

MICROSEMI CORP
Form 10-K
November 14, 2017
UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, DC 20549

FORM 10-K

(Mark One)

ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934
For the fiscal year ended October 1, 2017

OR

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from _____ to _____
Commission file number # 000-08866

MICROSEMI CORPORATION

(Exact name of Registrant as specified in its charter)

Delaware 95-2110371

(State or other jurisdiction of (I.R.S. Employer
incorporation or organization) Identification No.)

One Enterprise, Aliso Viejo, California 92656

(Address of principal executive offices) (Zip Code)

(949) 380-6100

Registrant's telephone number, including area code

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Name of each exchange on which registered
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Common Stock, \$0.20 par value;	Nasdaq Stock Market LLC (Nasdaq Global Select Market)
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Securities registered pursuant to Section 12(g) of the Act:

None

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes No

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act. Yes No

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Website, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§ 232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes No

Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K is not contained herein, and will not be contained, to the best of registrant's knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendment to this Form 10-K.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company or an emerging growth company. See definitions of "large accelerated filer," "accelerated filer," "smaller reporting company" and "emerging growth company" in Rule 12b-2 of the Exchange Act. (Check one):

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Large Accelerated Filer Accelerated Filer
Non-Accelerated Filer Smaller Reporting Company
(Do not check if a smaller reporting company) Emerging Growth Company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act. Yes No

The aggregate market value of Common Stock held by non-affiliates of the registrant, based upon the closing sale price on March 31, 2017 was approximately \$5,950,000,000.

The number of outstanding shares of Common Stock on November 9, 2017 was 117,594,115

Documents Incorporated by Reference

Part III: Incorporated by reference are portions of the definitive Proxy Statement for the Annual Meeting of Stockholders to be filed not later than 120 days after the close of the registrant's fiscal year ended October 1, 2017.

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IMPORTANT FACTORS RELATED TO FORWARD-LOOKING STATEMENTS AND ASSOCIATED RISKS

This Annual Report on Form 10-K must be read in its entirety and contains forward-looking statements within the meaning of the federal securities laws. Any statements that do not relate to historical or current facts or matters are forward-looking statements. You can identify some of the forward-looking statements by the use of forward-looking words, such as "can," "may," "will," "could," "should," "project," "believe," "anticipate," "expect," "plan," "estimate," "forecast," "potential," "intend," "maintain," "continue" and variations of these words and comparable words. In addition, all of the information herein that does not state a historical fact is forward-looking, including any statement or implication about an estimate or a judgment, or an expectation as to a future time, future result or other future circumstance. Statements concerning current conditions may also be forward-looking if they imply a continuation of current conditions. Examples of forward-looking statements in this Annual Report on Form 10-K include, but are not limited to, statements concerning:

- expectations concerning policy changes with respect to monetary, regulatory, tax, and trade, among others, and the effects of any such changes on our business and results of operations;
- expectations regarding tax exposures and future tax rates, our ability to realize deferred tax assets and the outcome or effects of examinations by U.S., state or foreign jurisdictions;
- expectations regarding potentially divergent laws and regulations, trade restrictions, including treaty changes, sanctions and the suspension of export licenses;
- expectations that we will be able to successfully integrate acquired companies and personnel with our existing operations;
- expectations regarding our liquidity and capital resources, including our loan covenants;
- demand, growth and sales expectations for our products;
- expectations concerning the potential termination or renegotiation of U.S. government contracts, uncertainties of governmental appropriations and national defense policies and priorities and the effects of past or future government shutdowns and contract terminations or renegotiations;
- compliance with and changes to import/export tariffs and regulations;
- expectations that plant consolidations will result in anticipated cost savings without unanticipated costs or expenses;
- expectations regarding competitive conditions;
- new market opportunities and emerging applications for our products;
- expectations concerning the anticipated benefits of our acquisitions;
- expectations that we will be able to identify or complete prospective acquisitions in a market with increasing competition from other potential acquirers, the effects of a consolidating semiconductor industry and high valuations of acquisition candidates;
- the uncertainty of litigation, administrative and similar matters, the associated costs and expenses, and the potential material adverse effect that these matters could have on our business and results of operations;
- beliefs our customers will not cancel orders or terminate or renegotiate their purchasing relationships with us and will pay receivables when contractually due;
- expectations that we will not suffer production delays as a result of a supplier's inability to supply parts;
- the effect of events such as natural disasters and related disruptions on our operations;
- beliefs that we stock adequate supplies of all materials;
- beliefs that we will be able to successfully resolve any disputes and other business matters as anticipated;

beliefs that we will be able to meet our operating cash and capital commitment requirements in the foreseeable future;
critical accounting estimates;
expectations regarding our financial and operating results;
expectations regarding our performance and competitive position in future periods; and
expectations regarding our outlook for our end markets.

Forward-looking statements are subject to risks and uncertainties that could cause actual results to differ materially from the results that the forward-looking statements suggest. You are urged to carefully review the disclosures we make in this report concerning risks and other factors that may affect our business, financial condition, cash flows and results of operations, including those made under the heading "Item 1A. RISK FACTORS" included below in this Annual Report on Form 10-K, as well as in our other reports filed with the Securities and Exchange Commission ("SEC"). Forward-looking statements are not a guarantee of future performance and should not be regarded as a representation by us or any other person that all of our estimates will necessarily prove correct or that all of our objectives or plans will necessarily be achieved. You are cautioned, therefore, not to place undue reliance on these forward-looking statements, which are made only as of the date of this report. We do not intend, and undertake no obligation, to update or revise the forward-looking statements to reflect events or circumstances after the date of this report, whether as a result of new information, future events or otherwise.

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PART I
ITEM 1. BUSINESS

INTRODUCTION

Microsemi Corporation was incorporated in Delaware in 1960. Unless the context otherwise requires, the "Company," "Microsemi," "we," "our," "ours" and "us" refer to Microsemi Corporation and its consolidated subsidiaries. The Company is publicly traded under the symbol "MSCC" on the Nasdaq Stock Market LLC. Our company headquarters are located at One Enterprise in Aliso Viejo, California 92656 and our telephone number is (949) 380-6100.

We are a leading designer, manufacturer and marketer of high-performance analog and mixed-signal semiconductor solutions differentiated by power, security, reliability and performance. We offer a comprehensive portfolio of semiconductor and system solutions for aerospace & defense, communications, data center and industrial markets. Products include high-performance and radiation-hardened analog mixed-signal integrated circuits ("ICs"), field programmable gate arrays ("FPGAs"), system on chip solutions ("SoCs") and application-specific integrated circuits ("ASICs"); power management products; timing and synchronization devices and precise time solutions, setting the world's standard for time; voice processing devices; radio frequency ("RF") solutions; discrete components; enterprise storage and communication solutions; security technologies; Ethernet solutions; Power-over-Ethernet ("PoE") ICs and midspans; as well as custom design capabilities and services.

The principal end markets that we serve include Aerospace & Defense, Communications, Data Center, and Industrial. Today, Microsemi products are found in applications such as: communications infrastructure systems, both wireless and wired LAN systems, implantable pacemakers and defibrillators, radar systems, military and commercial satellites and aircraft, and enterprise storage and hyperscale data centers.

Our website address is <http://www.microsemi.com>. Our filings with the SEC of annual reports on Form 10-K, quarterly reports on Form 10-Q and current reports on Form 8-K, and all amendments to such forms, are made accessible on such website as soon as reasonably practicable after such documents are electronically filed with or furnished to the SEC and are always available free of charge. Additionally, the SEC maintains a website containing reports, proxy and information statements, and other information regarding our filings at <http://www.sec.gov>. Also accessible on our website are our code of ethics, governance guidelines, conflict minerals policy and Form SD, Foreign Corrupt Practices Act policy, internal audit charter and charters for the Audit Committee, Compensation Committee, Executive Committee and Governance and Nominating Committee of our Board of Directors. Such website is not intended to constitute any part of this report and is not incorporated by reference herein.

Please read the information under the heading "Item 1A. RISK FACTORS" below, which describes and refers to some of the important risks and uncertainties that could affect Microsemi's future business and prospects.

We report results of operations on the basis of fifty-two and fifty-three week periods. The fiscal years ended on October 1, 2017 and September 27, 2015 consisted of fifty-two weeks and the fiscal year ended on October 2, 2016, consisted of fifty-three weeks. In referencing a year, we are referring to the fiscal year ended on the Sunday closest to September 30.

Mission and Vision Statements

Mission: Strengthen and leverage the industry's most comprehensive product technology portfolio, differentiated by power, security, reliability and performance, to expand our leadership position in high-value, high-barrier-to-entry markets. Develop innovative leading-edge solutions that provide our customers with an unparalleled competitive edge, and deliver best-in-class technical service and support.

Vision: Leading-edge semiconductor solutions, solving the most difficult problems where performance matters, reliability is vital and security is non-negotiable.

MARKETS

Our products include discretely and ICs, modules, and subsystem solutions that enhance customer designs by improving performance, security, reliability and power consumption. The principal end markets we serve include:

Aerospace & Defense - Microsemi's high-performance solutions are used by the majority of commercial airliners manufactured today and all Tier 1 prime contractors in a variety of homeland and offshore security applications. Microsemi products are used in the latest advanced models such as the Boeing 787 Dreamliner, Boeing 737 MAX, Airbus A350 and Airbus A320neo. Microsemi's high-reliability products are used in most satellites and in a wide range of commercial and military avionics systems. Microsemi's product offering for aerospace include radiation hardened and radiation tolerant solutions for the satellite market to which it supplies all of the top manufacturers. Microsemi's defense and security solutions are also used in products such as unmanned aerial vehicles, radar applications and radio and guidance systems. Microsemi continues to lead the market for semiconductor sales in this end market.

Communications - Microsemi is a key supplier to top-tier companies focused on wired and wireless communications products. These products are deployed in applications ranging from the central office to the enterprise and the home, and to a broad array of wired and wireless networked devices. Microsemi boasts the largest and most complete timing product offering, as well as the industry's only end to end timing product portfolio. Microsemi also pioneered the concept and development of Power-over-Ethernet ("PoE") technology and offers ICs and system solutions (midspans) based on this increasingly popular power transmission solution.

Data Center - Microsemi's data center products and solutions enable high-speed communications between the servers, switches and storage devices that comprise these systems thereby allowing large quantities of data to be stored, managed and moved securely. As storage demand continues to grow, managing the data becomes more critical for the operation of the entire company or service provider. Our focus in this area is in developing controllers and switches for high-performance storage systems in cloud and enterprise data center applications.

Industrial - Microsemi delivers secure and highly reliable solutions for applications including industrial controls, machine-to-machine (M2M) communications, energy exploration and drilling, semiconductor capital equipment and alternative energy platforms. Microsemi is also a leading supplier of ultra-low power wireless solutions used in medical devices including implantable defibrillators and pacemakers, MRI machines, and portable medical equipment.

Recent Product Introductions

Microsemi marketed a number of recently introduced and updated products, including:

its BlueSky GPS Firewall, a breakthrough approach to protecting critical infrastructure against GPS spoofing and jamming threats, designed to provide security protection for GPS-delivered position, navigation and timing (PNT) data;

a new SyncServer S650 SAASM server incorporating a Selective Availability Anti-Spoofing Module (SAASM) to provide the U.S. Department of Defense (DOD) and other government agencies and approved suppliers a highly secure, accurate and flexible time and frequency platform for synchronizing mission-critical electronics systems and instrumentation applications in the defense market, such as satellite communications and defense operational infrastructure;

the production release of its Flashtec NVM Express (NVMe) 2108 eight-channel controllers, enabling leading enterprises and data centers worldwide to realize cost- and power-efficient high capacity solid state drives (SSDs); four new miClockBuffer products, ZL40230, ZL30235 and ZL30240, and three new miSmartBuffer products, ZL40231, ZL40234, ZL40241 and ZL40260, in its portfolio of clock management fanout buffers, which expand Microsemi's broad lineup of high performance devices targeted to applications within the communications, data center and enterprise markets;

its Switchtec PAX advanced fabric Gen3 PCIe switch providing high-performance fabric connectivity for scalable, multi-host systems and just a bunch of flash (JBOF) supporting single root input/output (I/O) virtualization (SR-IOV), NVMe and multi-function endpoints; and

its RTG4 high-speed signal processing radiation-tolerant field programmable gate array (FPGA) engineering samples, the first devices of their kind to be available in a ceramic quad flat pack (CQFP) package, which

conforms to the CQFP industry standard for space applications and features 352 pins to enable a more cost-effective integration.

Sales

Net sales were \$1.81 billion, \$1.65 billion and \$1.25 billion in 2017, 2016 and 2015, respectively. Net sales by originating geographic area and end market are disclosed in Note 13 of the notes to the consolidated financial statements included in this Annual Report on Form 10-K, which information is incorporated herein by reference. A discussion of the risks attendant to our international operations are included in Item 1A, Risk Factors, under the heading, "International operations and sales expose us to material risks and may increase the volatility of our operating results," which information is incorporated herein by reference. A discussion of results of operations may be found in "Management's Discussion and Analysis of Financial Condition and Results of Operations" in Item 7 of this Annual Report on Form 10-K.

ACQUISITIONS AND DIVESTITURES

We have implemented a growth strategy through continuous innovation complemented by strategic acquisitions to strengthen our product and technology portfolio with the intent of broadening our customer base and increasing our technology footprint in customers' end designs in markets where performance matters, security is non-negotiable and reliability is vital. This allows us to offer an increased value proposition, gather a larger portion of the bill of materials, and engage with customers as a strategic "total solution" partner as opposed to a single socket provider. We believe this strategy strengthens our position in the industry as it protects and grows our share within those markets with the highest barriers to entry, and increases our served available market.

We have in the past acquired a number of businesses or companies, additional product lines and assets. We currently expect to continue to expand and diversify our operations with additional acquisitions that allow Microsemi to strengthen its position in high-value, high barrier-to-entry markets, while delivering increased value to shareholders and customers.

Microsemi's acquisition strategy focuses on combining our technical talent, product portfolios and roadmaps with those companies that allow us to leverage customer synergies, expand design capabilities and increase market share with key customers in the Aerospace & Defense, Communications, Data Center and Industrial markets. Our customer base benefits from access to a broader portfolio of cutting-edge solutions from a single source, while adding greater scale and efficiencies to our business model. Acquisitions are an important component of Microsemi's growth strategy and the Company will continue to evaluate acquisitions that support its objectives.

MANUFACTURING AND SUPPLIERS

We rely on third party subcontractors, primarily in Asia, for wafer fabrication, assembly, testing and packaging of an increasing portion of our products. Over the last three years, at least 90% of our wafer, assembly and test requirements were sourced from third party foundries and subcontractors. We expect this percentage may increase due, in part, to the manufacturing of our next-generation products by third party subcontractors in Asia and from activity at recently acquired operations. By subcontracting manufacturing, we focus resources on design and test applications where we believe we have greater competitive advantages. This strategy also avoids high capital costs associated with owning and operating semiconductor wafer fabrication facilities. See "Risk Factors" under Item 1A of this Annual Report on Form 10-K for a discussion of the risks associated with our dependence on independent foundry subcontractors.

Many of our manufacturing and processing operations are controlled in accordance with aerospace, defense and other rigid commercial and industrial specifications. At our facilities with wafer processing capabilities, we manufacture and process products, starting from purchased silicon wafers. At our locations without wafer processing capabilities, processed wafers are sourced from third parties or our other facilities. We purchase silicon wafers, other semiconductor materials and packaging piece parts from domestic and international suppliers generally on long-term purchase commitments, that are cancelable on 30 to 90-days' notice. In the ordinary course of business, we enter into cancelable purchase agreements with some of our major suppliers to supply products over periods of up to 18 months. We also purchase a portion of our finished wafers from several foundry sources. See "Risk Factors" under Item 1A of this Annual Report on Form 10-K for a discussion of the risks associated with our dependence on independent suppliers.

Processed silicon wafers are separated into individual dice that are then assembled in packages and tested in accordance with our test procedures. A major portion of our semiconductor manufacturing effort takes place after the semiconductor is assembled. Parts are tested a number of times, visually screened and environmentally subjected to shock, vibration, burn-in and electrical tests in order to prove and assure reliability. As noted above, certain subcontract suppliers provide packaging and testing for our products necessary to deliver finished products. We pay those suppliers for assembled or fully-tested products meeting predetermined specifications.

RAW MATERIALS

Our manufacturing processes use certain key raw materials critical to our products. These include silicon wafers, certain chemicals and gases, ceramic and plastic packaging materials and various precious metals. We also rely on subcontractors to supply finished or semi-finished products that are marketed through our various sales channels. We obtain raw materials and semi-finished or finished products from various sources, although the number of sources for any particular material or product may be limited. We feel our current supply of essential materials is adequate; however, shortages have occurred from time to time and could occur again.

RESEARCH AND DEVELOPMENT

We believe continuing timely development and introduction of new products is essential to maintaining our competitive position. We currently conduct most of our product development effort in-house. We also employ outside consultants to assist with product design. We expense the cost of research and development as incurred. Research and development expenses are principally comprised of payroll and related costs, masks and supplies, software tools, and consulting costs.

We spent \$341.6 million, \$309.1 million and \$200.3 million in 2017, 2016 and 2015, respectively, for research and development. The principal focus of our research and development activities has been to improve processes and to develop new products that support the growth of our businesses. While incremental costs from recent acquisitions contributed to increased research and development expenses, the increases were partially offset by selectively investing in strategic product roadmaps. The spending on research and development was principally to develop new higher-margin application-specific products, including, among others, our processor and core architecture development for next generation programmable products, storage and optical products, Ethernet switches, medical communications and signal processing devices, the continued roadmap development of our industry-leading timing and synchronization products, and the ongoing development of gallium nitride (GaN) and silicon carbide (SiC) power solutions.

PATENTS, LICENSES, AND OTHER INTELLECTUAL PROPERTY RIGHTS

We have registered several of our trademarks with the U.S. Patent and Trademark Office and in foreign jurisdictions. We rely to some extent upon confidential trade secrets and patents to develop and maintain our competitive position. It is our policy to seek patent protection for significant inventions that may be patented, though we may elect, in appropriate cases, not to seek patent protection even for significant inventions if other protection, such as maintaining the invention as a trade secret, is considered more advantageous or cost-effective. We believe patent and mask work protection could grow in significance but presently is of less significance in our business than experience, innovation, and management skill. No individual patent contributed significantly to our 2017, 2016 or 2015 net sales.

Due to the many technological developments and the technical complexity of the semiconductor industry, it is possible certain of our designs or processes may involve infringement of patents or other intellectual property rights held by others. From time to time, we have received, and in the future may receive, notice of claims of infringement by our products on intellectual property rights of third parties. If any such infringements were alleged to exist, we might be obligated to seek a license from the holder of the rights and might have liability for past infringement. In the past, it has been common semiconductor industry practice for patent holders to offer licenses on reasonable terms and rates. Although in some situations, typically where the patent directly relates to a specific product or family of products, patent holders have refused to grant licenses. The practice of offering licenses appears to be generally continuing. However, no assurance can be given that we will be able to obtain licenses as needed in all cases or that the terms of any license that may be offered will be acceptable to us. In those circumstances where an acceptable license is not available, we would need either to change the process or product so that it no longer infringes or stop manufacturing the product or products involved in the infringement, which might be costly and could adversely affect our revenues and operating results.

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Please see the information set forth under the subheading "Any failure by us to protect our proprietary technologies or maintain the right to use certain technologies may negatively affect our ability to compete," within "Risk Factors" under Item 1A of this Annual Report on Form 10-K.

SALES TO THE U.S. GOVERNMENT

Approximately 26% of total net sales in 2017 were in the Aerospace & Defense end market and while we service defense markets outside of the United States, a portion of sales in this end market correlate to direct sales to U.S. government agencies, customers whose principal sales are to U.S. government agencies or to subcontractors whose material sales are to U.S. government agencies. Future sales are subject to the uncertainties of governmental appropriations and national defense policies and priorities, including sequestration impacts similar to those we experienced under the Budget Control Act of 2011, constraints of the budgetary process and timing and potential changes in these policies and priorities. Additionally, the long-term outlook for the fiscal position of the U.S. federal government is also uncertain, as illustrated by the 2013 budget negotiations and the shutdown of non-essential U.S. federal government services in October 2013.

We have experienced delays and reduction in appropriations on programs that include our products. Further delays, reductions in, or terminations of, government contracts or subcontracts, including those caused by any past or future shutdown of the U.S. federal government, could materially and adversely affect our operating results. While we generally function as a subcontractor, further changes in U.S. government procurement regulations and practices, particularly surrounding initiatives to reduce costs, may adversely impact the contracting environment and our operating results.

Generally, the U.S. government and its contractors and subcontractors may terminate their contracts with us at any time, with or without cause. We have in the past experienced the termination of a contract due to the termination of the underlying government contract. All government contracts are also subject to price renegotiation in accordance with the U.S. Government Renegotiation Act. By reference to such contracts, all of the purchase orders we receive that are related to government contracts are subject to these possible events. In addition, the recent shutdown of non-essential U.S. government services and any future government shutdowns may significantly increase the risk of further contract terminations or renegotiations, and any such termination or renegotiation could have a material adverse impact upon our revenues and results of operations.

In addition, we are required to maintain compliance with government regulations, particularly for our facilities and products that service the defense and security markets. Maintaining compliance with these regulations, including audit requirements of the U.S. government and our customers that are subject to these requirements, requires that we devote resources to matters that include training, personnel, information technology and facilities. Failure to maintain compliance may result in the loss of certifications, fines and penalties that may materially and adversely affect our operating results.

From time to time, we have experienced declining defense-related sales, primarily as a result of contract award delays and reduced security and defense program funding. We may be unable to adequately forecast or respond to the timing of and changes to demand for defense-related products. In the past, defense-related spending on programs we participate in has increased at a rate that has been slower than expected, been delayed or declined. Our prospects for additional defense related sales may be adversely affected in a material manner by numerous events or actions outside our control.

COMPETITIVE CONDITIONS

The semiconductor industry, including the areas in which we do business, is highly competitive. We expect intensified competition from existing competitors and new entrants. Competition is based on price, product performance, product availability, quality, reliability and customer service. In addition, companies not currently in direct competition with us may introduce competing products in the future. Some of our current competitors are Altera Corporation; Analog Devices, Inc.; Broadcom Limited; Integrated Device Technology, Inc.; M/A COM Technology Solutions Inc.; Maxim Integrated Products, Inc.; Semtech Corp.; Silicon Laboratories, Inc.; Skyworks Solutions, Inc.; Texas Instruments, Inc.; and Xilinx, Inc. Several of these companies are larger than we are and have greater financial and other resources than we have and may therefore be better able than we are to penetrate new markets, pursue acquisition candidates, and withstand adverse economic or market conditions. In addition, the semiconductor industry

has experienced, and may continue to experience, significant consolidation, which may permit some of our competitors to benefit from economies of scale, provide more comprehensive product portfolios or increase the size of their serviceable markets. Consolidation among our competitors may erode our market share and adversely impact our capacity to compete. We expect

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intensified competition from existing and consolidated competitors as well as new entrants into our markets. To the extent we are not able to compete successfully in the future, our financial condition, operating results or cash flows could be harmed.

We have implemented a growth strategy through continuous innovation complemented by strategic acquisitions with the intent of increasing our technology footprint in customers' end designs in high-value, high barrier-to-entry markets. This allows us to offer an increased value proposition, gather a larger portion of the bill of materials, and engage with customers as a strategic partner as opposed to a socket provider. We believe this strategy strengthens our position in the industry as it protects and grows our share within those markets with the highest barriers to entry.

SEASONALITY

Generally, we are affected by the seasonal trends of the semiconductor and related industries. The impacts of seasonality are to some extent dependent on product and market mix of products shipped. These impacts can change from time to time and are not predictable. Factors that increase seasonality include, for example, holiday work schedules during our first fiscal quarter that tend to limit production and customer demand.

ENVIRONMENTAL REGULATIONS

Federal, state and local laws and regulations impose various restrictions and controls on the discharge of materials, chemicals and gases used in semiconductor manufacturing processes. In addition, under some laws and regulations, we could be held financially responsible for remedial measures if our properties are contaminated or if we send waste to a landfill or recycling facility that becomes contaminated, even if we did not cause the contamination. Also, we may be subject to common law claims if we release substances that damage or harm third parties. Further, future changes in environmental laws or regulations may require additional investments in capital equipment or the implementation of additional compliance programs in the future. Any failure to comply with environmental laws or regulations could subject us to serious liabilities and could have material adverse effects on our operating results and financial condition.

In the conduct of our manufacturing operations, we have handled and do handle materials that are considered hazardous, toxic or volatile under federal, state or local laws. The risk of accidental release of such materials cannot be completely eliminated. In addition, we operate or own facilities located on or near real property that was formerly owned and operated by others. These properties were used in ways that involved hazardous materials. Contaminants may migrate from or within or through property. These risks may give rise to claims. We may be financially responsible for third parties, who are responsible for contamination, if they do not have funds, or if they do not make funds available when needed, to pay remediation costs imposed under environmental laws and regulations. To date, our compliance with federal, state and local laws or regulations that have been enacted to regulate the environment has not had a material adverse effect on our capital expenditures, earnings, or competitive or financial position.

EMPLOYEES

At the end of 2017, we employed approximately 2,100 persons domestically and 2,400 persons at our international facilities. None of our employees are represented by a labor union; however, some employees in Europe are represented by an employee works council pursuant to local regulations. We have experienced no work stoppages and believe our employee relations are good.

ITEM 1A. RISK FACTORS

Negative or uncertain worldwide economic conditions could prevent us from accurately forecasting demand for our products, which could adversely affect our operating results or market share.

Negative worldwide economic conditions and market instability in recent years have made it increasingly difficult for us, our customers and our suppliers to accurately forecast future product demand trends. If signs of improvement in the global economy do not progress as expected and global economic conditions worsen, our forecasts of product demand trends could prove to be incorrect and could cause us to produce excess products that can depress product prices, increase our inventory carrying costs and result in obsolete inventory. Alternatively, this forecasting difficulty could cause a shortage of products, or materials used in our products, that could result in an inability to satisfy demand for our products and a loss of market share.

Negative or uncertain worldwide economic conditions may adversely affect our business, financial condition, cash flow and results of operations.

Recent domestic and global economic conditions have presented unprecedented and challenging conditions reflecting continued concerns about the availability and cost of credit, downgrades and continued negative pressure on sovereign credit ratings, the mortgage market, volatile real estate values, volatility in energy costs, decreased consumer confidence and spending and added concerns fueled by the federal government's interventions in the financial and credit markets. These conditions have contributed to instability in both the domestic and international capital and credit markets, potentially increased the cost of credit and diminished expectations for the global economy. In addition, these conditions make it extremely difficult for our customers to accurately forecast and plan future business activities and could cause businesses to slow spending on our products, which could cause our sales to decrease or result in an extension of our sales cycles. Due to these conditions, our customers may have difficulties obtaining capital at adequate or historical levels to finance their ongoing businesses and operations, which could impair their ability to make timely payments to us. If that were to occur, we may be required to increase our allowance for doubtful accounts and our cash flows would be negatively impacted. We cannot predict the timing, strength or duration of any economic slowdown or subsequent economic recovery, worldwide or within our industry. If signs of improvement in the global economy do not progress as expected and economic conditions worsen, our financial condition, cash flows, and results of operations could be materially and adversely affected.

Both our customers and we are subject to laws, regulations and similar requirements, changes to which may adversely affect our business, financial condition, cash flows and results of operations.

Any changes or potential changes to laws, regulations or similar requirements, or our ability to respond to these changes, may significantly increase our costs to maintain compliance or result in our decision to limit our business, products or jurisdictions in which we operate, any of which could materially and adversely affect our financial condition, cash flows, and results of operations. Both our customers and we are subject to laws, regulations and similar requirements that affect our business, financial condition, cash flows and results of operations, including, but not limited to, the areas of commerce, import and export control (especially related to products in our Aerospace & Defense end market), financial disclosures, intellectual property, income and other taxes, anti-trust, anti-corruption, labor, environmental, health and safety. Our compliance in these areas may be costly, especially in areas where there are inconsistencies between the various jurisdictions in which we operate. While we have implemented policies and procedures to comply with laws and regulations, there can be no assurance our employees, contractors, suppliers or agents will not violate such laws and regulations or our policies. Any such violation or alleged violation could materially and adversely affect our business, financial condition, cash flows and results of operations.

Federal and state regulatory agencies, including the United States Federal Communications Commission and the various state public utility commissions and public service commissions, regulate most of our domestic telecommunications customers. Similar government oversight also exists in the international market. While we may not be directly affected by this legislation, such regulation of our customers may negatively impact our business. For instance, the sale of our products may be affected by the imposition upon certain of our customers of common carrier tariffs and the taxation of telecommunications services. These regulations are continuously reviewed and changed by the various governmental agencies. Changes in current or future laws or regulations, in the United States or elsewhere, could materially and adversely affect our financial condition, cash flows, and results of operations.

The Dodd-Frank Wall Street Reform and Consumer Protection Act includes provisions regarding certain minerals and metals, known as conflict minerals, mined from the Democratic Republic of Congo and adjoining countries. These provisions require companies to undertake due diligence procedures and report on the use of conflict minerals in its products, including products manufactured by third parties. Compliance with these provisions has caused and will continue to cause us to incur costs to determine whether our supply chain is conflict free and we may face difficulties if our suppliers are unwilling or unable to verify the source of their materials. Our ability to source these minerals and metals may also be adversely impacted. In addition, our customers may require that we provide them with a certification and our inability to do so may disqualify us as a supplier.

Our leverage and provisions in our credit facility and indenture for our senior unsecured notes could adversely affect our consolidated financial position and our ability to operate our business.

Our credit facilities require that we comply with financial and restrictive covenants. Although we are currently in compliance with these covenants, unexpected downturns in our business may trigger certain covenants that increase our cost of borrowing, decrease the amounts available under our credit facilities, or both. The current amount outstanding on our credit facilities and the outstanding principal amount of our senior unsecured notes each exceed our current cash and cash equivalents balance, and we may incur additional debt in the future. Some of the risks associated with our leverage include the following:

- our ability to obtain additional financing in the future for acquisitions, capital expenditures, general corporate purposes or other purposes may be impaired;
- our current credit facilities only permit borrowing on variable rates of interest and increases in certain benchmark interest rates will increase the cost of borrowing;
- leverage will increase our vulnerability to declining economic conditions, particularly if the decline is prolonged;
- failure to comply with any of our debt covenants may result in an event of default which, if not cured or waived, could have a material adverse effect on us;
- financial and restrictive covenants in our credit facilities and indenture governing the senior unsecured notes may adversely affect or limit our ability to implement business plans, react to changes in economic conditions, benefit from changes in tax regulations, pay a cash dividend or execute repurchases of our common stock; and
- debt service payments will continue to have a negative impact on our cash flows; and prepayment terms may discourage us from refinancing our current credit agreement or reduce the benefit of lower interest rates.

International operations and sales expose us to material risks and may increase the volatility of our operating results. Net sales to international markets represent a significant portion of total net sales and totaled 67% in 2017. These sales were principally to customers in Europe and Asia. Foreign sales are classified as shipments to foreign destinations. We maintain several international facilities or contracts with entities outside the United States, including Canada, China, France, India, Ireland, Israel, Japan, Korea, Macau, Malaysia, the Philippines, Taiwan, Thailand and the United Kingdom. There are risks inherent in doing business internationally, including:

- uncertainty and potentially divergent laws and regulations, highlighted by the recent vote in 2016 by the United Kingdom to leave the European Union;
- legislative or regulatory requirements and potential changes in or interpretations of requirements in the United States and in the countries in which we manufacture or sell our products;
- trade restrictions, including treaty changes, sanctions and the suspension of export licenses;
- compliance with and changes in import/export tariffs and regulations;
- restrictions in the transfer or repatriation of funds;
- tax regulations and treaties and potential changes in regulations and treaties in the United States and in and between countries in which we manufacture or sell our products;
- fluctuations in income tax expense and net income due to differing statutory tax rates in various domestic and international jurisdictions;
- uncertain interpretations of and difficulties enforcing intellectual property laws;

local business and cultural factors that may differ from our domestic standards and practices, including business practices from which we are prohibited from engaging by the Foreign Corrupt Practices Act (the "FCPA") and other anti-corruption laws and regulations;

- availability of transportation services, including disruptions related to work stoppages, security incidents or natural events at manufacturing, shipping or receiving points or along transportation routes;
- work stoppages or disruption of local labor supply;
- communication interruptions;
- economic and political instability, including the recent uncertainty in the global financial markets;
- acts of war or terrorism, or health issues (such as for example Sudden Acute Respiratory Syndrome, Avian Influenza, or the H7N9, Ebola or Zika viruses), which could disrupt our manufacturing and logistical activities;
- changes in tariffs and freight rates;
- potentially longer payment cycles and difficulties in collecting receivables;
- difficulties and enforcing contracts generally; and
- currency exchange rate fluctuations, devaluation of foreign currencies, hard currencies shortages and exchange rate fluctuations.

International sales of our products that service the aerospace, defense and security markets are subject to U.S. and local government regulations and procurement policies and practices including regulations relating to import-export control. Violations of export control regulations could result in suspension of our ability to export our products. Depending on the scope of the suspension, this could have a material effect on our ability to perform certain international contracts. In addition, our failure or failures of our customers to maintain compliance with U.S. and foreign government regulations, including the FCPA and foreign anti-corruption measures, may result in export restrictions, fines and penalties that may materially and adversely affect our operating results.

If political, military, transportation, health or other issues in foreign countries result in cancellations of customer orders or contribute to a general decrease in economic activity or corporate spending, or directly impact Microsemi's marketing, manufacturing, financial and logistics functions, our consolidated results of operations and financial condition could be materially adversely affected. In addition, the laws of certain foreign countries may not protect our products, assets or intellectual property rights to the same extent as do U.S. laws. Therefore, the risk of piracy of our technology and products, which could result in a material adverse effect on our financial condition, cash flows and results of operations may be greater in those foreign countries.

We may be unable to successfully implement our acquisitions strategy or integrate acquired companies and personnel with existing operations.

We have in the past acquired a number of businesses or companies, additional product lines and assets, and we may continue to expand and diversify our operations with additional acquisitions. We may be unable to identify or complete prospective acquisitions for many reasons, including increasing competition from other potential acquirers, the effects of a consolidating semiconductor industry and high valuations of acquisition candidates. In addition, applicable antitrust laws and other regulations may limit our ability to acquire targets or force us to divest an acquired business. If we are unable to identify suitable targets or complete acquisitions, our growth prospects may suffer, and we may not be able to realize sufficient scale advantages to compete effectively in all markets. To the extent we are successful in making acquisitions, if we are unsuccessful in integrating acquired companies or product lines with existing operations, or if integration is more difficult or more costly than anticipated, we may experience disruptions that could have a material adverse effect on our business, financial condition and results of operations. In addition, the market price of our common stock could be adversely affected if the effect of any acquisitions on the Microsemi consolidated group's financial results is dilutive or is below the market's or financial analysts' expectations. Some of the risks that may affect our ability to integrate or realize any anticipated synergies, benefits, or improved financial performance from acquired companies, businesses or assets include those associated with:

- unexpected losses of key employees or customers of the acquired company;

- conforming the acquired company's standards, processes, procedures and controls with our operations;
- coordinating new product and process development;
- increasing complexity from combining recent acquisitions;
- hiring additional management and other critical personnel;
- increasing the scope, geographic diversity and complexity of our operations;
- difficulties in consolidating facilities and transferring processes and know-how;
- other difficulties in the assimilation of acquired operations, technologies or products;
- diversion of management's attention from other business concerns; and
- adverse effects on existing business relationships with customers.

In connection with acquisitions, we may:

- use a significant portion of our available cash;
- issue equity securities, which would dilute current stockholders' percentage ownership;
- incur substantial debt;
- incur or assume contingent liabilities, known or unknown, including potential lawsuits, infringement actions and similar liabilities;
- incur impairment charges related to goodwill or other intangibles;
- incur large, immediate accounting write-offs; and
- face antitrust or other regulatory inquiries or actions.

There can be no assurance the benefits of any acquisitions will outweigh the attendant costs, and if they do not, our financial condition, cash flows, results of operations and stock price may be materially and adversely affected.

The volatility of our stock price could affect the value of an investment in our stock and our future financial position. The market price of our stock has fluctuated widely. Between October 2, 2016 and October 1, 2017, the market sale price of our common stock ranged between a low of \$37.11 and a high of \$57.97. The historical market prices of our common stock may not be indicative of future market prices. We may not be able to sustain or increase the value of our common stock. The trading price of our common stock may be influenced by factors beyond our control, such as the recent unprecedented volatility of the financial markets, market speculation and the current uncertainty surrounding domestic and foreign economies. Declines in the market price of our stock could adversely affect our ability to retain personnel with stock incentives, to acquire businesses or assets in exchange for stock and/or to conduct future financing activities with or involving our common stock.

Any failure by us to protect our proprietary technologies or maintain the right to use certain technologies may negatively affect our ability to compete.

To compete effectively, we must protect our intellectual property. We rely on a combination of patents, trademarks, copyrights, trade secret laws, confidentiality procedures and licensing arrangements to protect our intellectual property rights. We hold numerous patents and have a number of pending patent applications. However, our portfolio of patents evolves as new patents are issued and older patents expire and the expiration of patents could have a negative effect on our ability to prevent competitors from duplicating certain of our products.

We might not succeed in obtaining patents from any of our pending applications. Even if we are awarded patents, they may not provide any meaningful protection or commercial advantage to us, as they may not be of sufficient scope or

strength, or may not be issued in all countries where our products can be sold. In addition, our competitors may be able to design around our patents.

To protect our product technology, documentation and other proprietary information, we enter into confidentiality agreements with our employees, customers, consultants and strategic partners. We require our employees to acknowledge their obligation to maintain confidentiality with respect to our products. Despite these efforts, we cannot guarantee that these parties will maintain the confidentiality of our proprietary information in the course of future employment or working with other business partners. We develop, manufacture and sell our products in Asia and other countries that may not protect our intellectual property rights to the same extent as the laws of the United States. This makes piracy of our technology and products more likely. Steps we take to protect our proprietary information may not be adequate to prevent theft of our technology. We may not be able to prevent our competitors from independently developing technologies that are similar to or better than ours.

Vigorous protection and pursuit of intellectual property rights or positions characterize the semiconductor industry. This often results in expensive and lengthy litigation. We, and our customers or suppliers, may be accused of infringing patents or other intellectual property rights owned by third parties in the future. An adverse result in any litigation against us or a customer or supplier could force us to pay substantial damages, stop manufacturing, using and selling the infringing products, spend significant resources to develop non-infringing technology, discontinue using certain processes or obtain licenses to use the infringing technology. In addition, we may not be able to develop non-infringing technology or find appropriate licenses on reasonable terms or at all. Although some of our suppliers have agreed to indemnify us against certain intellectual property infringement claims or other losses relating to their products, these contractual indemnification rights may not cover the full extent of losses we incur as a result of these suppliers' products.

Patent disputes in the semiconductor industry between industry participants are often settled through cross-licensing arrangements. Our portfolio of patents may not have the breadth to enable us to settle an alleged patent infringement claim through a cross-licensing arrangement. Patent disputes brought by non-practicing entities (patent holders who do not manufacture products but only seek to monetize patent rights) cannot be settled through cross-licensing and cannot be avoided through cross-licensing with industry practitioners. We may therefore be more exposed to third party claims than some of our larger competitors and customers.

Customers may make claims against us in connection with infringement claims made against them that are alleged to relate to our products or components included in our products, even where we obtain the components from a supplier. In such cases, we may incur monetary losses due to cost of defense, settlement or damage award and non-monetary losses as a result of diverting valuable internal resources to litigation support. To the extent that claims against us or our customers relate to third party intellectual property integrated into our products, there is no assurance that we will be fully indemnified by our suppliers against any losses.

Furthermore, we may initiate claims or litigation against third parties for infringing our proprietary rights or to establish the validity of our proprietary rights. This could consume significant resources and divert the efforts of our technical and management personnel, regardless of the litigation's outcome.

Reliance on government contracts for a significant portion of our sales could have a material adverse effect on results of operations.

A significant portion of our sales are or may be derived from U.S. government agencies or customers whose principal sales are to U.S. government agencies which creates concentrations of credit risk. Future sales are subject to the uncertainties of governmental appropriations and national defense policies and priorities, including sequestration impacts similar to those we experienced under the Budget Control Act of 2011, constraints of the budgetary process, and timing and potential changes in these policies and priorities. Additionally, the long-term outlook for the fiscal position of the U.S. federal government is also uncertain, as illustrated by the 2013 budget negotiations and the shutdown of non-essential U.S. federal government services in October 2013. Furthermore, there is uncertainty with

regards to policy changes and timing of those changes with respect to monetary, regulatory, tax, and trade, among others, under the current administration and legislature which could have a material adverse impact on our revenues, financial condition and results of operations.

We have experienced delays and reduction in appropriations on programs that include our products. Further delays, reductions in or terminations of government contracts or subcontracts, including those caused by any past or future

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shutdown of the U.S. federal government, could materially and adversely affect our operating results. Furthermore, if the U.S. government fails to complete its current budget process or to provide for a continuing resolution to fund government operations, another federal government shutdown may result in the near future, during which time we may experience further delays and reductions in appropriations or reductions in or terminations of government contracts or subcontracts, which could materially and adversely affect our operating results. While we generally function as a subcontractor, further changes in U.S. government procurement regulations and practices, particularly surrounding initiatives to reduce costs, may adversely impact the contracting environment and our operating results. Generally, the U.S. government and its contractors and subcontractors may terminate their contracts with us at any time, with or without cause. In 2014, the U.S. government terminated for convenience a \$75 million contract. We have in the past experienced the termination of at least one other contract due to the termination of the underlying government contract. All government contracts are also subject to price renegotiation in accordance with the U.S. Government Renegotiation Act. By reference to such contracts, all of the purchase orders we receive that are related to government contracts are subject to these possible events. In addition, the recent shutdown of non-essential U.S. government services and any future government shutdowns may significantly increase the risk of further contract terminations or renegotiations, and any such termination or renegotiation could have a material adverse impact upon our revenues, financial condition and results of operations.

In addition, we are required to maintain compliance with government regulations, particularly for our facilities and products that service the defense markets. Maintaining compliance with these regulations, including audit requirements of the U.S. government and our customers that are subject to these requirements, requires we devote resources to matters including training, personnel, information technology and facilities. Failure to maintain compliance may result in the loss of certifications and fines and penalties that may materially and adversely affect our operating results.

From time to time, we have experienced declining defense-related sales, primarily as a result of contract award delays and reduced security and defense program funding. We may be unable to adequately forecast or respond to the timing of and changes to demand for security and defense-related products. In the past, defense-related spending on programs we participate in has increased at a rate that has been slower than expected, been delayed or declined. Our prospects for additional security and defense related sales may be adversely affected in a material manner by numerous events or actions outside our control.

We may not make the sales that are suggested by our order rates, backlog or book-to-bill ratio, and our book-to-bill ratio may be affected by product mix.

Undue reliance should not be placed on our backlog or book-to-bill ratios or changes to these amounts. We determine bookings substantially based on orders that are scheduled for delivery within 12 months. However, lead times for the release of purchase orders depend, in part, upon the scheduling practices of individual customers, and delivery times of new or non-standard products can be affected by scheduling factors and other manufacturing considerations. The rate of booking new orders can vary significantly from month to month. Customers frequently change their delivery schedules or cancel orders. We have in the past experienced long lead times for some of our products, which may have therefore resulted in orders in backlog being duplicative of other orders in backlog, which would increase backlog without resulting in additional revenues. Because of long lead times in certain products, our book-to-bill ratio may not be an indication of sales in subsequent periods. Uncertain worldwide economic conditions and market instability have also resulted in hesitance of our customers to place orders with long delivery schedules, which contributes to limited visibility into our markets.

We utilize channel partners over which we have limited control for product distribution.

We generate a portion of our sales through third-party distribution and reseller agreements. Transitions from different channel partners could result in temporary or permanent loss of revenue, especially if we cannot establish an alternative channel partner or if we are unable to service the related end customers directly. Further, distributor agreements may require us to repurchase unsold inventory held by the distributor should we or the distributor terminate the distribution agreement. While we maintain a reserve for estimated returns, if actual returns exceed estimated returns, there may be an adverse effect on our results of operations and financial condition. Our channel partners are located around the world and are of various sizes and financial profiles. Lower sales or earnings, access to capital markets, relationships with other vendors and customers, ratings downgrades or higher interest rates could

potentially affect the operations of our channel partners, which could materially and adversely affect our financial condition, cash flows, and results of operations.

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The concentration of the facilities that service the semiconductor industry, including facilities of current or potential vendors or customers, makes us more susceptible to events or disasters affecting the areas in which they are most concentrated.

Relevant portions of the semiconductor industry, and the facilities that serve or supply this industry, tend to be concentrated in certain areas of the world. Events such as natural disasters and related disruptions, epidemics and health advisories like those related to Sudden Acute Respiratory Syndrome, Avian Influenza, H7N9 Virus, Ebola or Zika viruses, flooding, drought, earthquakes, tsunamis, power outages and infrastructure disruptions, and terrorism, civil unrest and political instability in those areas, have from time to time in the past, and may again in the future, adversely affect the semiconductor industry. In particular, events such as these could adversely impact our ability to manufacture or deliver our products and result in increased costs and a loss of revenue. Similarly, a localized risk affecting our employees or the staff of our suppliers could impair the total volume of products that we are able to manufacture, which could adversely affect our financial condition, cash flows, and results of operations.

In 2012, severe flooding in certain regions of Thailand forced a shutdown of our operations in two subcontracted facilities in Thailand. The two Thailand facilities together accounted for as much as 5% of our total quarterly revenues at the time. In response to the impact of flooding at subcontractor facilities in Thailand, we implemented plans to move production to other facilities outside the affected area. Production capabilities at these other facilities compensated for the loss of production in the flooded facilities in Thailand and we believe we recovered from this event as of the end of 2012. However, unforeseen impacts on our customers, suppliers or subcontractors as a result of the flooding in Thailand, or other future natural disasters, could materially and adversely affect our financial condition, cash flows, and results of operations.

We are dependent on third parties for key functions including foundries for wafer supplies, subcontractors for assembly, test and packaging services and vendors for logistics, and problems at these third parties could adversely affect our business, financial condition, cash flows and results of operations.

We depend on third party subcontractors, primarily in Asia, for wafer fabrication, assembly, testing and packaging of an increasing portion of our products. Over the last three years, at least 90% of our wafer, assembly and test requirements were sourced from third party foundries and subcontractors. We expect these percentages may increase due, in part, to the manufacturing of our next-generation products by third party subcontractors in Asia and from activity at recently acquired operations.

Our wafer designs requirements are increasing in technological complexity and in order to meet our designs specifications, our foundry partners must expend resources for capital equipment and develop or improve manufacturing processes. Our foundry partners' inability or unwillingness to expend these resources could adversely affect our business, financial condition, cash flows and results of operations. The assembly, testing and packaging of our products is performed by a limited group of subcontractors. Disruption or termination of any of these subcontractors could occur and such disruptions or terminations could materially and adversely affect our financial condition, cash flows, and results of operations.

We utilize third party logistics services, including transportation, warehouse and shipping services. These service providers are subject to interruptions that affect their ability to service us, including the availability of transportation services, disruptions related to work stoppages, volatility in fuel prices and security incidents or natural events at manufacturing, shipping or receiving points or along transportation routes.

We generally do not have any long-term agreements with our subcontractors. As a result, we may be unable to directly control our quality assurance and product delivery schedules. The cost of product replacements or returns and other warranty matters in connection with quality assurance problems caused by third party subcontractors could materially adversely affect us. Third party manufacturers generally will have longer lead times for delivery of products as compared with our internal manufacturing, and therefore, when ordering from these suppliers, we will be required to make longer-term estimates of our customers' current demand for products, and these estimates are difficult to make accurately. Also, due to the amount of time typically required to qualify assemblers and testers, we could experience delays in the shipment of our products if we are forced to find alternate third parties to assemble or test our products. Any product delivery delays in the future could have a material adverse effect on our operating results, financial condition and cash flows. Our operations and ability to satisfy customer obligations could be adversely affected if our relationships with these subcontractors were disrupted or terminated. In addition, these subcontractors must be

qualified by the U.S. government or customers for high-reliability processes. Historically the Defense Logistics Agency has rarely qualified

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any foreign manufacturing or assembly lines for reasons of national security; therefore, our ability to move certain manufacturing offshore may be limited or delayed.

In the event any of our subcontractors were to experience financial, operational, production or quality assurance difficulties resulting in a reduction or interruption in supply to us, our operating results could suffer until alternate qualified subcontractors, if any, were to become available and active.

Changes in tax regulations or our tax provisions, exposure to additional income tax, or unfavorable results of tax examinations could affect our financial results.

We are subject to federal and state income taxes in the United States and numerous foreign jurisdictions. Our tax liabilities are affected by the amounts we record in intercompany transactions for inventory, services, licenses, funding and other items. We are subject to ongoing tax examinations in various jurisdictions. Tax authorities may disagree with our intercompany charges or other tax positions and assess additional taxes. Our application of transfer pricing has been the primary subject of the current examination of our U.S. federal, Canadian and Indian income tax returns. We regularly assess the likely outcomes of examinations in order to determine the appropriateness of our tax provision. However, the actual outcomes of examinations could result in large and unexpected tax liabilities for past tax periods and may have a material impact on our consolidated financial position, results of operations or cash flows. In addition, our effective tax rate in the future could be adversely affected by changes in the mix of earnings in countries with differing statutory tax rates and benefits, changes in available credits and incentives, changes in the valuation of deferred tax assets and liabilities, changes in tax laws, especially tax laws related to foreign operations, and the discovery of new information in the course of our tax return preparation process. Any of these changes could materially and adversely affect our financial condition, cash flows, and results of operations.

We hold cash and cash equivalents at various foreign subsidiaries that may not be readily available to meet domestic cash requirements.

Our various foreign subsidiaries hold cash and cash equivalents and these balances held outside the United States may not be readily available to meet our domestic cash requirements. We require a substantial amount of cash in the United States for operating requirements, purchases of property and equipment, debt service, repurchases of our common stock and potentially for future acquisitions. If we are unable to meet our domestic cash requirements using domestic cash flows from operations, domestic cash and cash equivalents, or by settling loans receivable with our foreign subsidiaries, it may be necessary for us to consider repatriation of earnings we have designated as permanently reinvested. This may require us to record additional income tax expense and remit additional taxes, which could materially and adversely affect our financial condition, cash flows, and results of operations.

Our operating results may fluctuate in future periods, which could cause our stock price to decline.

We have experienced, and expect to experience in future periods, fluctuations in net sales and operating results from period to period. Our projections and results may be subject to significant fluctuations as a result of a number of factors including:

- the timing of orders from and shipment of products to major customers;
- an unexpected reduction in sales to, or loss of, key customers;
- customer payments that are unexpectedly delayed;
- our product mix;
- changes in the prices of our products;
- manufacturing delays or interruptions;
- delays or failures in testing and processing products for aerospace and defense applications;
- inventory obsolescence or write-downs;
- restructuring charges;
- variations in the cost of components for our products;

limited availability of components we obtain from a single or a limited number of suppliers; and seasonal and other fluctuations in demand for our products.

We have in the past closed, combined, sold or disposed of certain of our operations, have current plans to combine certain of our operations and may determine to do so in the future, which could reduce our sales volume, profitability and result in significant restructuring costs.

We face major technical challenges in regards to transferring component manufacturing between locations. Before a transfer of manufacturing, we must be finished qualifying the new facility appropriately with regulatory agencies or certain customers. In addition, to mitigate the potential for manufacturing disruptions following a closure, we typically build inventory to support the transition process. While we generally plan to retain revenues and income of those operations by transferring the manufacturing elsewhere within Microsemi's subsidiaries, our plans may change at any time based on reassessment of the alternatives and consequences. While we hope to benefit overall from increased gross margins and increased capacity utilization rates at remaining operations, the remaining operations will need to bear the corporate administrative and overhead costs, which are charges to income that had been allocated to the discontinued business units. Moreover, delays in effecting our consolidations could result in changes in the timing of realized costs savings and in greater than anticipated costs incurred to achieve our projected longer-range savings. We may make further specific determinations to consolidate, close, sell or divest of additional facilities, operations or product lines, which could be announced at any time. Possible adverse consequences from current and future consolidation or disposition activities may include a loss of revenues and various accounting charges such as for workforce reduction, including severance and other termination benefits and for excess facilities, including lease termination fees, future contractual commitments to pay lease charges, facility and environmental remediation costs and moving costs to remove property and equipment from facilities. We may also be adversely impacted from inventory buildup in preparation for the transition of manufacturing, disposition costs, impairments of goodwill and other intangible assets, contract termination costs, a possible immediate loss of revenues and other items in addition to normal or attendant risks and uncertainties. We may be unsuccessful in any of our current or future efforts to consolidate our business into a smaller number of facilities. Our plans to minimize or eliminate any loss of revenues during consolidation may not be achieved.

Failure to manage consolidation of operations effectively could adversely affect our margins and earnings.

Our ability to successfully offer and sell our products requires effective planning and management processes. Our consolidations and realignments of operations, and expected future growth, may place a significant strain on our management systems and resources, including our financial and managerial controls, reporting systems, procedures and information technology. In addition, we will need to continue to train and manage our workforce worldwide. Any unmet challenges in that regard could materially and adversely affect our financial condition, cash flows, and results of operations.

We may not be able to develop new technologies and products to satisfy changes in customer demand or industry standards, and our competitors could develop products that decrease the demand for our products.

Rapidly changing technologies and industry standards, along with frequent new product introductions, characterize the semiconductor industry. Our financial performance depends, in part, on our ability to design, develop, manufacture, assemble, test, market and support new products and enhancements on a timely and cost-effective basis. If we are unable to continue to reduce package sizes, improve manufacturing yields and expand sales, we may not remain competitive. The principal focus of our research and development activities has been to improve processes and to develop new products that support the growth of our businesses. The spending on research and development was principally to develop new higher-margin application-specific products, including, among others, our process and core architecture development for next generation programmable products, storage and optical products, higher power PoE solutions, the continued roadmap development of our industry-leading timing and synchronization products, our silicon germanium (SiGe) RF power amplifier solutions for wireless LAN applications, and the ongoing development of gallium nitride (GaN) and silicon carbide (SiC) power management and RF solutions.

These projects are subject to various risks and uncertainties we are not able to control, including changes in customer demand and the introduction of new or superior technologies by others. Moreover, any failure by us in the future to develop new technologies or timely react to changes in existing technologies could materially delay our development of new products, which could result in product obsolescence, decreased revenues and a loss of our market share to

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our competitors. New technologies or products we may develop may not lead to an incremental increase in revenues, and there is a risk these new technologies or products will decrease the demand for our existing products and result in an offsetting reduction in revenues. In addition, products or technologies developed by others may render our products or technologies obsolete or non-competitive. A fundamental shift in technologies in our product markets could have a material adverse effect on our competitive position within the industry.

Additionally, our ability to compete within our industry will depend on our ability to identify and ensure compliance with constantly evolving industry standards. The emergence of new industry standards could render our products incompatible with products developed by major manufacturers. As a result, we could be required to invest significant time and effort and incur significant expense to redesign our products to ensure compliance with relevant standards. If our products are not in compliance with prevailing industry standards, it could materially and adversely affect our financial condition, cash flows, and results of operations.

We must commit resources to research and development, design, and production prior to receipt of purchase commitments and could lose some or all of the associated investment.

We sell products primarily pursuant to purchase orders for current delivery, rather than pursuant to long-term supply contracts. Many of these purchase orders may be revised or canceled without penalty. As a result, we must commit resources to the research, design and production of products without any advance purchase commitments from customers. Any inability to sell a product after we devote significant resources to it could materially and adversely affect our financial condition, cash flows, and results of operations.

There may be unanticipated costs associated with appropriately scaling our manufacturing capacity to meet expected changes in customer demand.

We may incur unanticipated costs as we scale our manufacturing capacity to meet expected changes in customer demand. During periods of anticipated increases in customer demand, we may determine our business will require increased manufacturing capacity on our part and on the part of certain outside foundries, assembly shops, or testing facilities for some of our integrated circuit products or other products. Expansion activities are subject to a number of risks, including:

- unavailability or late delivery of the advanced, and often customized, equipment used in the production of our specialized products;
- availability of qualified manufacturing personnel;
- delays in bringing new production equipment on-line;
- delays in supplying satisfactory designs or products to our existing customers;
- unforeseen environmental, engineering or manufacturing qualification problems relating to existing or new facilities; and
- overexpansion may result in unfavorable manufacturing variances, restructuring costs and impairments.

These and other risks may affect the ultimate cost and timing of any expansion of our capacity.

Downturns in the highly cyclical semiconductor industry have in the past adversely affected our operating results, cash flows and the value of our business, and may continue to do so in the future.

The semiconductor industry is highly cyclical and is characterized by constant technological change, rapid product obsolescence and price erosion, short product life-cycles, consolidations of customers, and fluctuations in product supply and demand. During recent years we, as well as many others in our industry, have experienced significant declines in the pricing of, as well as demand for, products during the "down" portions of these cycles, which have sometimes been severe and prolonged. We have also noted consolidations of customers, particularly our distributors, which may adversely affect our pricing leverage or ability to maintain sufficient distributor channel inventory to meet end customer demand. In the future, these downturns may prove to be as, or possibly even more, severe than past ones. Our ability to sell our products depends, in part, on continued demand in each of our diverse end markets. Each of these end markets has, in the past, experienced reductions in demand, and current and future downturns in any of these markets may materially and adversely affect our financial condition, cash flows, and results of operations.

The semiconductor business is subject to downward price pressure.

The market for our products has been characterized by declining selling prices, and we anticipate that our average selling prices will decrease in future periods, although the timing and amount of these decreases cannot be predicted with any certainty. The pricing pressure in the semiconductor industry in past years has been due to a large number of factors, many of which were not easily foreseeable, such as currency crisis, industry-wide excess manufacturing capacity, weak economic growth, the slowdown in capital spending that followed the "dot-com" collapse, the reduction in capital spending by telecom companies and satellite companies, and the effects of the tragic events of terrorism on September 11, 2001. Similar to past years, recent unfavorable economic conditions have resulted in a tightening of the credit markets. If signs of improvement in the global economy do not progress as expected and global economic conditions worsen, we may experience a decline in our average selling prices. In addition, our competitors have in the past, and may again in the future, lower prices in order to increase their market share. Continued downward price pressure in the industry may harm our competitive position and materially and adversely affect our financial condition, cash flows, and results of operations.

The semiconductor industry is highly competitive.

The semiconductor industry, including the areas in which we do business, is highly competitive. We expect intensified competition from existing competitors and new entrants. Competition is based on price, product performance, product availability, quality, reliability and customer service. In addition, companies not currently in direct competition with us may introduce competing products in the future. Some of our current major competitors are Altera Corporation; Analog Devices, Inc.; Broadcom Limited; Integrated Device Technology, Inc.; M/A COM Technology Solutions Inc.; Maxim Integrated Products, Inc.; Semtech Corp.; Silicon Laboratories, Inc.; Skyworks Solutions, Inc.; Texas Instruments, Inc.; and Xilinx, Inc. Several of these companies are larger than we are and have greater resources than we have and may therefore be better able than we are to penetrate new markets, pursue acquisition candidates, and withstand adverse economic or market conditions. In addition, the semiconductor industry has experienced, and may continue to experience, significant consolidation, which may permit some of our competitors to benefit from economies of scale, provide more comprehensive product portfolios or increase the size of their serviceable markets. Consolidation among our competitors may erode our market share and adversely impact our capacity to compete. We expect intensified competition from existing and consolidated competitors as well as new entrants into our markets. To the extent we are not able to compete successfully in the future, competitive conditions may materially and adversely affect our financial condition, cash flows, and results of operations.

We may be unable to retain our customers due in part to our inability to fulfill our customer demand and other factors.

Our ability to fulfill our customers' demand for our products is and will continue to be dependent in part on our order volumes and long lead times with regards to our manufacturing and testing of certain high-reliability products. The lead time for manufacturing and testing of high-reliability products can be many months. In response to current demand, we have recently increased our capital expenditures for production equipment as well as increased expenses for personnel at certain manufacturing locations. We may have delays or other difficulties in regards to increasing our production and in hiring and retaining qualified personnel. In addition, we have raised prices on certain products, primarily in our Aerospace & Defense and Industrial end markets. Manufacturing delays and price increases may result in our customers reducing their purchase levels with us and/or seeking alternative solutions to meet their demand. In addition, the current demand may not continue in the future. Decreased sales as a result of a loss of one or more significant customers could materially and adversely impact our financial condition, cash flows, and results of operations.

Unfavorable or uncertain conditions in certain markets our original equipment manufacturer customers address may cause fluctuations in our rate of revenue growth or financial results.

Demand for our products is dependent on demand for our customers' products. Markets for our customers' product may not develop in the manner or in the time periods our customers anticipate. If domestic and global economic conditions worsen, overall spending may be reduced or shifted to products other than those made by our customers, which would adversely impact demand for products in these markets. Reduced sales by our customers will adversely impact demand by our customers for our products and could also slow new product introductions by our customers and by us. Lower net sales of our products would have an adverse effect on our financial condition, cash flows, and results of operations could be materially and adversely affected.

Fluctuations in sales of high-reliability products for use in medical devices may adversely affect our financial results. Although the market for medical devices is growing, customers in this market could reduce their reliance on outside suppliers. The medical device market also fluctuates based on several other factors, such as product recalls and the need to secure regulatory approvals. Product recalls can, from time to time, accelerate sales to levels that cannot be sustained for long periods of time. The timing and qualification of new generations of products brought to market by OEMs can also result in fluctuations in order rates.

Variability of our manufacturing yields may affect our gross margins and profits.

Our manufacturing yields vary significantly among products, depending on the complexity of a particular product's design and our experience in manufacturing that type of product. We have in the past experienced difficulties in achieving planned yields, which have adversely affected our gross margins and profits.

The fabrication of semiconductor products is a highly complex and precise process. Problems in the fabrication process can cause a substantial percentage of wafers to be rejected or numerous circuits on each wafer to be non-functional, thereby reducing yields. These difficulties primarily include:

- defects in masks, which are used to transfer circuit patterns onto our wafers;
- impurities in the materials used;
- contamination of the manufacturing environment; and
- equipment failure.

Because a large portion of our costs of manufacturing is relatively fixed and average selling prices for our products tend to decline over time, it is critical for us to improve the number of shippable circuits per wafer and increase the production volume of wafers in order to maintain and improve our results of operations. Yield decreases can result in substantially higher unit costs, which could materially and adversely affect our operating results and have done so in the past. Moreover, our process technologies have primarily utilized standard silicon semiconductor manufacturing equipment, and production yields of compound integrated circuits have been relatively low compared with silicon circuit devices. We may be unable to continue to improve yields in the future, and we may suffer periodic yield problems, particularly during the early production of new products or introduction of new process technologies. In either case, our financial condition, cash flows, and results of operations could be materially and adversely affected. Some of our facilities and the facilities of our suppliers and customers are located near major earthquake fault lines. Our headquarters, our major operating facilities, and certain other critical business operations and customers are located near known major earthquake fault lines. We may not have sufficient business interruption insurance to compensate us for actual losses from interruption of our business that may occur in the event of a major earthquake and any losses or damages incurred by us could have a material and adverse effect on financial condition, cash flows, and results of operations.

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Delays in beginning production, implementing production techniques, resolving problems associated with technical equipment malfunctions, or issues related to government or customer qualification of facilities could adversely affect our manufacturing efficiencies, our ability to realize cost savings and the timing and amount of revenue we realize. Microsemi's consolidated manufacturing efficiency will be an important factor in our future profitability, and we may be unsuccessful in our efforts to maintain or increase our manufacturing efficiency. Our manufacturing processes, and those utilized by our third-party subcontractors, are highly complex, require advanced and costly equipment and are sometimes modified in an effort to improve yields and product performance. We have from time to time, experienced difficulty in transitioning manufacturing processes to different facilities or adopting new manufacturing processes. As a consequence, we have at times experienced delays in product deliveries and reduced yields. Every silicon wafer fabrication facility utilizes very precise processing, and processing difficulties and reduced yields commonly occur, often as a result of contamination of the material. Reduced manufacturing yields can often result in manufacturing and shipping delays due to capacity constraints. Therefore, manufacturing problems can result in additional operating expenses and delayed or lost revenues. Microsemi may experience manufacturing problems in achieving acceptable yields or experience product delivery delays in the future as a result of, among other things, upgrading existing facilities, relocating processes to different facilities, or changing its process technologies, any of which could result in a loss of future revenues or an increase in manufacturing costs.

Interruptions, delays or cost increases affecting our materials, parts, equipment or subcontractors may impair our competitive position.

Our manufacturing operations, and the outside manufacturing operations that we use increasingly, in some instances, depend upon obtaining a governmental qualification of the manufacturing process, and in all instances, adequate supplies of materials including wafers, parts and equipment (including silicon, mold compounds and lead frames) on a timely basis from third parties. Some of the outside manufacturing operations we use are based in foreign countries. Our results of operations could be adversely affected if we are unable to obtain adequate supplies of materials, parts and equipment in a timely manner or if the costs of materials, parts or equipment increase significantly. From time to time, suppliers may extend lead times, limit supplies or increase prices due to capacity constraints or other factors. Although we generally use materials, parts and equipment available from multiple suppliers, we have a limited number of suppliers for some materials, parts and equipment. In addition, if signs of improvement in the global economy do not progress as expected and global economic conditions worsen, our suppliers may cease operations or be unable to obtain capital at adequate or historical levels to finance their ongoing businesses and operations, which could impair their ability to continue to supply us. If alternate suppliers for these materials, parts and equipment are not available, our operations could be interrupted, which would have a material and adverse effect on our operating results, financial condition and cash flows.

Compound semiconductor products may not successfully compete with silicon-based products.

Our choice of technologies for development and future implementation may not reflect future market demand. The production of gallium arsenide (GaAs), indium gallium phosphide (InGaP), indium gallium arsenide phosphide (InGaAsP) SiGe or SiC ICs is more costly than the production of silicon circuits, and we believe it will continue to be more costly in the future. The costs differ because of higher costs of raw materials, lower production yields and higher unit costs associated with lower production volumes. Silicon semiconductor technologies are widely used in process technologies for integrated circuits, and these technologies continue to improve in performance. As a result, we must offer compound semiconductor products that provide vastly superior performance to that of silicon for specific applications in order for our products to be competitive with silicon products. If we do not offer compound semiconductor products that provide sufficiently superior performance to offset the cost differential and otherwise successfully compete with silicon-based products, our financial condition, cash flows, and results of operations may be materially and adversely affected.

Production delays related to new compound semiconductors could adversely affect our future results.

We utilize process technology to manufacture compound semiconductors such as GaAs, InGaP, InGaAsP, SiGe and SiC primarily to manufacture semiconductor components. We are pursuing this development effort internally as well as with third party foundries. Our efforts sometimes may not result in commercially successful products. Certain competitors offer this capability and our customers may purchase our competitors' products instead of ours for this reason. In addition, the third party foundries we use may delay delivery of, or even completely fail to deliver,

technology

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and products to us. Our business and financial prospects could be materially and adversely affected by any failure by us to timely produce these products.

Fixed costs may reduce operating results if our sales fall below expectations.

Our expense levels are based, in part, on our expectations for future sales. Many of our expenses, particularly those relating to capital equipment and manufacturing overhead, are relatively fixed at our manufacturing facilities. We might be unable to reduce spending quickly enough to compensate for reductions in sales. Accordingly, shortfalls in sales could materially and adversely affect our operating results. This challenge could be made even more difficult if lead times between orders and shipments are shortening.

Our products may be found to be defective or hazardous and we may not have sufficient liability insurance.

There is at any time a risk that our products may be found to be defective or to contain, without the customer's knowledge, certain prohibited hazardous chemicals after we have already shipped the products in volume, perhaps requiring a product replacement or recall. We may be subject to product returns that could impose substantial costs and have a material and adverse effect on our business, financial condition and results of operations. Our aerospace, defense, and industrial businesses in particular expose us to potential liability risks that are inherent in the manufacturing and marketing of high-reliability electronic components for critical applications. Production of many of these products is sensitive to minute impurities, which can be introduced inadvertently in manufacturing. Any production mistake can result in large and unanticipated product returns, product liability and warranty liability. Environmental regulations have imposed on every major participant in the electronics industry a new burden of determining and tracking the presence and quantity of certain chemicals in the content of supplies we buy and add to our products for sale and to inform our customers about each of our finished goods' relevant chemical contents. The management and execution of this process is very challenging, and mistakes in this information gathering process could have a material adverse effect on our business.

We may be subject to product liability claims with respect to our products. Our product liability insurance coverage may be insufficient to pay all such claims. In addition, product liability insurance may become too costly for us to maintain or may become completely unavailable to us in the future. We may not have sufficient resources to satisfy any product liability claims not covered by insurance, which would materially and adversely affect our financial condition, cash flows, and results of operations could be materially and adversely affected.

Environmental liabilities could adversely impact our consolidated financial position.

Federal, state and local laws and regulations impose various restrictions and controls on the discharge of materials, chemicals and gases used in our semiconductor manufacturing processes or in our finished goods. Under recent environmental regulations, we are responsible for determining whether certain toxic metals or certain other toxic chemicals are present in any given component we purchase and in each given product we sell. These environmental regulations have required us to expend a portion of our resources and capital on relevant compliance programs. In addition, under other laws and regulations, we could be held financially responsible for remedial measures if our current or former properties are contaminated or if we send waste to a landfill or recycling facility that becomes contaminated, even if we did not cause the contamination. Also, we may be subject to additional common law claims if we release substances that damage or harm third parties. Further, future changes in environmental laws or regulations may require additional investments in capital equipment or the implementation of additional compliance programs in the future. Any failure to comply with existing or future environmental laws or regulations could subject us to significant liabilities and could have a material adverse effect on our operating results, cash flows and financial condition.

In the conduct of our manufacturing operations, we have handled and do handle materials that are considered hazardous, toxic or volatile under federal, state and local laws. The risk of accidental release of such materials cannot be completely eliminated. In addition, we operate or own facilities located on or near real property that was formerly owned and operated by others. These properties were used in ways that involved hazardous materials. Contaminants may migrate from, within or through any such property, which may give rise to claims against us. Third parties who are responsible for contamination may not have funds, or may not make funds available when needed, to pay remediation costs imposed upon us jointly with them under environmental laws and regulations.

Litigation could adversely impact our consolidated financial position.

We are and have been involved in various litigation matters, including from time to time, litigation relating to employment matters, commercial transactions, intellectual property matters, contracts, environmental matters and matters related to compliance with governmental regulations. Litigation is inherently uncertain and unpredictable. The potential risks and uncertainties include, but are not limited to, such factors as the costs and expenses of litigation and the time and attention required of management to attend to litigation. An unfavorable resolution of any particular legal claim or proceeding, and/or the costs and expenses incurred in connection with a legal claim or proceeding, could have a material and adverse effect on our financial condition, cash flows, and results of operations.

Our future success depends, in part, upon our ability to continue to attract and retain the services of our executive officers, other key management or technical personnel.

We could potentially lose the services of any of our senior management personnel at any time due to a variety of factors that could include, without limitation, death, incapacity, military service, personal issues, retirement, resignation or competing employers. Our ability to execute current plans could be adversely affected by such a loss. We may fail to attract and retain qualified technical, sales, marketing and managerial personnel required to continue to operate our business successfully. Personnel with the expertise necessary for our business are scarce and competition for personnel with proper skills is intense. Also, attrition in personnel can result from, among other things, changes related to acquisitions, retirement and disability. We may not be able to retain existing key technical, sales, marketing and managerial employees or be successful in attracting, developing or retaining other highly-qualified technical, sales, marketing and managerial personnel, particularly at such times in the future as we may need to fill a key position. If we are unable to continue to develop and retain existing executive officers or other key employees or are unsuccessful in attracting new highly-qualified employees, our financial condition, cash flows, and results of operations could be materially and adversely affected.

At times, our working capital levels have risen, which adversely affects cash flow.

At times, our working capital levels have risen and the increase has adversely affected cash flow. A factor contributing to the increase in our working capital has related to acquisitions with increases in accounts receivable and inventory generally exceeding increases in accounts payable and accrued liabilities. Other factors resulting in an increase in working capital have been delays in receiving customer payments and a buildup of inventory prior to the consolidation of our manufacturing operations. We built inventory cushions during the transition of manufacturing between facilities in order to maintain an uninterrupted supply of product. Obsolescence of any inventory has recently and could in the future result in adverse effects on our future results of operations and future revenue. We periodically evaluate the profitability of our various offerings and in 2014, our evaluation led us to selectively exit product offerings we believe will continue to lag our overall profitability goals. This resulted in inventory charges of \$7.9 million. We believe for many of these products, market dynamics dictate that price is the primary differentiator rather than our value-added core competencies of power, reliability, security and performance.

There may be some potential effects of system outages or data security breaches, which could adversely affect our operations, financial results or reputation.

We face risks from electrical or telecommunications outages, computer hacking or other general system failure. We rely heavily on our internal information and communications systems and on systems or support services from third parties to manage our operations efficiently and effectively. Any of these are subject to failure. System-wide or local failures that affect our information processing could have a material adverse effect on our business, financial condition, results of operations and cash flows. In addition, a system failure or data security breach could also result in the unintentional disclosure of confidential information about us, our customers or our employees, which could result in our incurring costs for remedial or preventative actions, damage our reputation with customers and reduce demand for our products and services. Further, insurance coverage does not generally protect from normal wear and tear, which can affect system performance. Any applicable insurance coverage for an occurrence could prove to be inadequate. Coverage may be or become unavailable or inapplicable to any risks then prevalent. We are upgrading and integrating, and have plans to upgrade and integrate further, our enterprise information systems, and these efforts may cause additional strains on personnel and system resources or may result in potential system outages.

Our accounting policies and estimates have a material effect on the financial results we report.

Critical accounting policies and estimates have a material effect on our calculations and estimations of amounts in our financial statements. Our operating results and balance sheets may be adversely affected either to the extent that actual results prove to be materially lower than previous accounting estimates or to the extent that accounting estimates are revised adversely. We base our critical accounting policies, including our policies regarding revenue recognition, reserves for returns, rebates, price protections, and bad debt and inventory valuation, on various estimates and subjective judgments we may make from time to time. The judgments made can significantly affect net income and our balance sheets. We are required to make significant judgments concerning inventory, and whether it becomes obsolete or excess, and concerning impairments of long-lived assets and of goodwill. Our judgments, estimates and assumptions are subject to change at any time. In addition, our accounting policies may change at any time as a result of changes in generally accepted accounting principles as they apply to us or changes in other circumstances affecting us. Changes in accounting policy have affected and could further affect, in each case materially and adversely, our financial position and results of operations.

If, in the future, we conclude our internal control over financial reporting is not effective, investors could lose confidence in the reliability of our financial statements, which could result in a decrease in the value of our common stock.

As directed by Section 404 of the Sarbanes-Oxley Act of 2002, the SEC adopted rules requiring public companies to include a report of management on the companies' internal control over financial reporting in their annual reports on Form 10-K, including an assessment by management of the effectiveness of the filing company's internal control over financial reporting. In addition, the independent registered public accounting firm auditing a public company's financial statements must attest to the effectiveness of the company's internal control over financial reporting. There is a risk that in the future we may identify internal control deficiencies that suggest that our controls are no longer effective. This could result in an adverse reaction in the financial markets due to a loss of confidence in the reliability of our financial statements, which could cause the market price of our common stock to decline and make it more difficult for us to finance our operations.

Our investments in securities subject us to principal, liquidity and counterparty risks that could adversely affect our financial results.

We invest cash balances in excess of working capital requirements primarily in money market funds. At times, we have also entered into interest rate swap and foreign currency forward contracts. While all of our investments to date are highly rated and we believe our counterparties to be highly rated, current credit market disruptions may adversely affect the value and liquidity of these investments and may affect the ability of our counterparties to fulfill their contractual obligations.

We may have increasing difficulty attracting and retaining qualified outside Board members.

The directors and management of publicly traded corporations are increasingly concerned with the extent of their personal exposure to lawsuits and shareholder claims, as well as governmental and creditor claims that may be made against them in connection with their positions with publicly-held companies. Outside directors are becoming increasingly concerned with the availability of directors' and officers' liability insurance to pay on a timely basis the costs incurred in defending shareholder claims. Directors' and officers' liability insurance is expensive and difficult to obtain. The SEC and the Nasdaq Stock Market have also imposed higher independence standards and certain special requirements on directors of public companies. Accordingly, it may become increasingly difficult to attract and retain qualified outside directors to serve on our Board.

Delaware law and our charter documents contain provisions that could discourage or prevent a potential takeover of Microsemi that might otherwise result in our stockholders receiving a premium over the market price for their shares. Provisions of Delaware law and our certificate of incorporation and bylaws could make more difficult an acquisition of Microsemi by means of a tender offer, a proxy contest, or otherwise, and the removal of incumbent officers and directors.

These provisions include:

Section 203 of the Delaware General Corporation Law, which prohibits a merger with a 15%-or-greater stockholder, such as a party that has completed a successful tender offer, without board approval until three years after that party became a 15%-or-greater stockholder; and

The authorization in the certificate of incorporation of undesignated preferred stock, which could be issued without stockholder approval in a manner designed to prevent or discourage a takeover or in a way that may dilute an investment in our common stock.

Certain provisions of our charter documents, including provisions eliminating the ability of stockholders to call special meetings and limiting the ability of stockholders to raise matters at a meeting of stockholders without giving advance notice, may have the effect of delaying or preventing changes in control or management of Microsemi. In addition, our charter documents do not permit cumulative voting, which may make it more difficult for a third party to gain control of our Board of Directors.

ITEM 1B. UNRESOLVED STAFF COMMENTS

None.

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ITEM 2. PROPERTIES

We are headquartered in Aliso Viejo, California. We conduct engineering, research and development, sales and administration activities at our principal owned and leased facilities. We also conduct manufacturing at the locations denoted with an asterisk. A list of locations of these facilities is as follows:

California	Massachusetts	Canada	India
Aliso Viejo	Beverly*	Burnaby	Bangalore
Camarillo	Lawrence*	Montreal	Hyderabad
Cupertino	Lowell*	Ottawa	
Garden Grove*			Ennis, Ireland*
Roseville	Oregon	China	
San Diego	Bend*	Macau SAR	Hod Hasharon, Israel
San Jose*		Shanghai*	
Santa Clara*	Pennsylvania	Shenzhen	Penang, Malaysia
Santa Rosa*	Reading		
Sunnyvale	Allentown	Herlev, Denmark	Philippines
			Cabuyao*
Colorado	Texas	Bruges, France*	Manila*
Boulder	Austin		
	Houston		Caldicot, United Kingdom*
Connecticut			
Simsbury*			

We also lease sales offices throughout the world. We believe our existing facilities are well maintained and in good operating condition and they are adequate for our foreseeable business needs.

ITEM 3. LEGAL PROCEEDINGS

We are involved in pending litigation, administrative and similar matters arising out of the normal conduct of our business, including litigation relating to acquisitions, employment matters, intellectual property matters, commercial transactions, contracts, environmental matters and matters related to compliance with governmental regulations. The ultimate aggregate amount of monetary liability or financial impact with respect to these matters is subject to many uncertainties and is therefore, not predictable with assurance. In the opinion of management, the final outcome of these matters, if they are adverse, will not have a material adverse effect on our financial position, results of operations or cash flows. However, there can be no assurance with respect to such result, and monetary liability, financial impact or other sanctions imposed on us from these matters could differ materially from those projected.

ITEM 4. MINE SAFETY DISCLOSURES

Inapplicable

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PART

II

ITEM MARKET FOR REGISTRANT'S COMMON EQUITY, RELATED STOCKHOLDER MATTERS AND
5. ISSUER PURCHASES OF EQUITY SECURITIES

(a) Market Information

Our Common Stock is traded on the Nasdaq Global Select Market under the symbol MSCC. The following table sets forth the high and low sales prices at which our Common Stock traded as reported on the Nasdaq Global Select Market.

Fiscal Year ended October 1, 2017	High	Low
1 st Quarter	\$57.32	\$37.11
2 nd Quarter	\$57.97	\$50.32
3 rd Quarter	\$53.28	\$46.09
4 th Quarter	\$54.59	\$46.67

Fiscal Year ended October 2, 2016	High	Low
1 st Quarter	\$39.56	\$30.76
2 nd Quarter	\$39.16	\$28.91
3 rd Quarter	\$38.54	\$29.68
4 th Quarter	\$42.19	\$30.68

Possible Volatility of Stock Prices

The market prices of securities issued by technology companies, including ours, have been and will continue to be volatile. The securities of many technology companies have experienced extreme price and volume fluctuations, which have often not necessarily been related to their respective operating performances. Quarter to quarter variations in operating results, changes in earnings estimates by analysts, announcements of technological innovations or new products, announcements of major contract awards, events involving other companies in or out of the industry, economic conditions, events involving war or terrorism, and other events or factors may have a significant impact (positive or negative) on the market price of our Common Stock.

(b) Approximate Number of Common Equity Security Holders

Title of Class	Approximate Number of Record Holders (as of November 10, 2017)
Common Stock, \$0.20 Par Value	919

The number of stockholders of record treats all of the beneficial holders of shares held in one "nominee" or "street name" as a unit.

(c) Dividends

We have not paid cash dividends in the last five years and have no current plans to do so. Our credit facility contains covenants that may limit the amount of cash dividends we may pay.

(d) Performance Graph

The following graph compares the cumulative total return on the Company's common stock for the five-year period ended October 1, 2017 to the total returns of 1) the "Nasdaq Composite Total Return" and 2) the "Nasdaq US Benchmark Electronics Components & Equipment". This comparison assumes in each case that \$100 was invested at the close of market on September 28, 2012, the last trading day immediately preceding the Company's fifth preceding fiscal year, and that any dividends were reinvested. The Company's fiscal year ends on the Sunday generally closest to

September 30 each year. The stock price performance on the following graph is not necessarily indicative of future stock price performance.

Comparison of 5 Year Cumulative Total Return*

Among Microsemi Corporation, Nasdaq Composite Total Return

And the Nasdaq US Benchmark Electronics Components & Equipment

* Indexes calculated on month-end basis.

The stock performance graph shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), or otherwise subject to the liabilities under that section and shall not be deemed to be incorporated by reference into any filing of Microsemi under the Securities Act of 1933, as amended, or the Exchange Act.

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ITEM 6. SELECTED FINANCIAL DATA

	For the five fiscal years in the period ended on October 1, 2017 (Amounts in millions, except per share data)				
	2017	2016	2015	2014	2013
Selected Consolidated Income Statement Data:					
Net sales	\$ 1,811.8	\$ 1,655.0	\$ 1,245.6	\$ 1,138.3	\$ 975.9
Gross profit	\$ 1,157.5	\$ 937.1	\$ 684.3	\$ 611.5	\$ 557.2
Operating income	\$ 270.3	\$ 53.7	\$ 122.6	\$ 54.2	\$ 89.4
Net income (loss)	\$ 176.3	\$ (32.6)	\$ 84.6	\$ 23.1	\$ 43.7
Earnings (loss) per share					
Basic	\$ 1.54	\$ (0.31)	\$ 0.90	\$ 0.25	\$ 0.49
Diluted	\$ 1.51	\$ (0.31)	\$ 0.88	\$ 0.24	\$ 0.48
Weighted-average shares outstanding					
Basic	114.9	107.0	94.2	92.9	89.5
Diluted	117.1	107.0	95.9	94.5	91.3
Selected Consolidated Balance Sheet Data:					
Working capital	\$ 347.5	\$ 415.3	\$ 508.8	\$ 457.4	\$ 489.4
Total assets	\$ 4,323.1	\$ 4,423.0	\$ 2,432.0	\$ 2,056.4	\$ 1,912.7
Long-term liabilities	\$ 1,949.4	\$ 2,374.5	\$ 1,023.2	\$ 779.6	\$ 747.4
Stockholders' equity	\$ 1,994.3	\$ 1,728.9	\$ 1,207.2	\$ 1,115.6	\$ 1,032.2

The selected financial data should be read in conjunction with the Consolidated Financial Statements and Notes thereto, and "Management's Discussion and Analysis of Financial Condition and Results of Operations" in Item 7 of this Annual Report on Form 10-K, which discusses the effect of business combinations.

ITEM 7. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

This Annual Report on Form 10-K includes current beliefs, expectations and other forward-looking statements that involve risks and uncertainties. Our actual results could differ materially from the results contemplated by these forward-looking statements due to certain factors, including those discussed in Part I, Item 1A, "Risk Factors" and elsewhere in this Annual Report on Form 10-K. This "Management's Discussion and Analysis of Financial Condition and Results of Operations" ("MD&A") and the accompanying consolidated financial statements and notes thereto must be read in conjunction with the MD&A and the consolidated financial statements and notes thereto in its entirety. Unless the context otherwise requires, the "Company," "Microsemi," "we," "our," "ours" and "us" refer to Microsemi Corporation and its consolidated subsidiaries.

OVERVIEW

We are a leading designer, manufacturer and marketer of high-performance analog and mixed-signal semiconductor solutions differentiated by power, security, reliability and performance. We offer a comprehensive portfolio of semiconductor and system solutions for aerospace & defense, communications, data center and industrial markets. Products include high-performance and radiation-hardened analog mixed-signal integrated circuits ("ICs"), field programmable gate arrays ("FPGAs"), system on chip solutions ("SoCs") and application-specific integrated circuits ("ASICs"); power management products; timing and synchronization devices and precise time solutions, setting the world's standard for time; voice processing devices; radio frequency ("RF") solutions; discrete components; enterprise storage and communication solutions; security technologies; Ethernet solutions; Power-over-Ethernet ("PoE") ICs and midspans; as well as custom design capabilities and services.

The principal end markets that we serve include Aerospace & Defense, Communications, Data Center, and Industrial. Today, Microsemi products are found in applications such as: communications infrastructure systems, both wireless and wired LAN systems, implantable pacemakers and defibrillators, radar systems, military and commercial satellites and aircraft, and enterprise storage and hyperscale data centers.

Mission and Vision Statements

Mission: Strengthen and leverage the industry's most comprehensive product technology portfolio, differentiated by power, security, reliability and performance, to expand our leadership position in high-value, high-barrier-to-entry markets. Develop innovative leading-edge solutions that provide our customers with an unparalleled competitive edge, and deliver best-in-class technical service and support.

Vision: Leading-edge semiconductor solutions, solving the most difficult problems where performance matters, reliability is vital and security is non-negotiable.

Summary of Financial Results

Net sales, gross profit and gross margin were as follows (amounts in millions, except percentages):

	2017		2016		2015	
	2017	2016	2017 vs 2016 \$	vs 2016 %	2016 vs 2015 \$	vs 2015 %
Net sales	\$1,811.8	\$1,655.0	\$156.8	9.5 %	\$1,245.6	\$409.4 32.9 %
Gross profit	\$1,157.5	\$937.1	\$220.4	23.5 %	\$684.3	\$252.8 36.9 %
Gross margin	63.9 %	56.6 %	7.3 %		54.9 %	1.7 %

As discussed further in "Results of Operations", we recorded net sales increase in 2017 as compared to 2016. On November 9, 2017, we announced we expect our consolidated net sales for the first quarter of 2018 to be between \$448 million and \$472 million. Net sales increased \$156.8 million or 9.5%, to \$1.81 billion for 2017 from \$1.65 billion for 2016 primarily due to an increase in sales volumes in our Communications, Data Center, and Industrial end markets, partially offset by a decrease in sales volumes in our Aerospace & Defense end market. Net sales increased \$409.4 million or 32.9% between 2016 and 2015, from \$1.25 billion for 2015.

Gross profit increased \$220.4 million between 2017 and 2016, to \$1.16 billion (63.9% of sales) for 2017 from \$937.1 million (56.6% of sales) for 2016 and increased \$252.8 million between 2016 and 2015, from \$684.3 million (54.9% of sales) for 2015. Gross margin improvement during 2017 was primarily attributable to favorable product mix and improvements in manufacturing efficiencies. During 2016, we recorded costs related to manufacturing profit in acquired inventory of \$66.2 million related to the acquisition of PMC-Sierra, Inc. ("PMC"). During 2015, we recorded expense from manufacturing profit in acquired inventory of \$22.0 million related to our acquisition of Vitesse Semiconductor Corporation ("Vitesse"). Adjusting for these costs, gross margin improvements were primarily attributable to favorable product mix, including from products from the PMC acquisition, and improvements in manufacturing efficiencies. In 2016, we also recorded \$4.0 million in inventory reserves related to the shutdown of a wafer fabrication facility. We periodically evaluate the profitability of our various offerings. Should the actual or expected profitability fall below an acceptable threshold, we may decide to stop offering a product, in part to reallocate manufacturing, operations, engineering, sales and support resources to products we expect to generate greater returns.

As discussed further in "Results of Operations", during 2017, we recorded net provisions for employee severance of \$14.7 million, net provisions for contract termination costs of \$6.6 million and net provisions for other associated costs for restructuring of \$1.9 million.

We recorded a benefit from income taxes of \$40.2 million on pretax income of \$136.1 million in 2017 compared to a provision for income taxes of \$7.2 million on pretax loss of \$25.4 million in 2016 and a provision for income taxes of \$12.3 million on pretax income of \$96.9 million in 2015. For each of these years, the benefit from or provisions for income taxes were primarily due to the tax provision on profitable entities in foreign jurisdictions and U.S. tax provision relating to deferred tax liabilities that will not provide future sources of income to realize deferred tax assets. The tax provisions were offset by tax benefits related to the release of valuation allowances and the reversal of certain deferred tax liabilities. We had cumulative operating losses for the three years ended in 2017 for our U.S. operations and several foreign operations and have provided a full valuation allowance accordingly on certain of our U.S. and

foreign net

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deferred tax assets as we have determined that it is more likely than not that the tax benefits will not be realized in the future.

Our valuation allowance decreased \$77.2 million in 2017 and increased \$205.9 million in 2016. The 2017 decrease was primarily due to the releases of domestic and certain foreign valuation allowances and the remeasurement of deferred tax liabilities, and the 2016 increase was primarily due to increases in net deferred tax assets from operations and acquisitions that are not more likely than not realizable.

Uncertain macroeconomic conditions worldwide subject us to certain risks (See Part I, Item 1A, Risk Factors, "We may be unable to successfully implement our acquisitions strategy or integrate acquired companies and personnel with existing operations," "Negative or uncertain worldwide economic conditions may adversely affect our business, financial condition, cash flow and results of operations," "International operations and sales expose us to material risks and may increase the volatility of our operating results," and "The concentration of the facilities that service the semiconductor industry, including facilities of current or potential vendors or customers, makes us more susceptible to events or disasters affecting the areas in which they are most concentrated").

Undue reliance should not be placed on our backlog or book-to-bill ratios or changes to these amounts. We determine bookings substantially based on orders that are scheduled for delivery within 12 months. However, lead times for the release of purchase orders depend, in part, upon the scheduling practices of individual customers, and delivery times of new or non-standard products can be affected by scheduling factors and other manufacturing considerations. The rate of booking new orders can vary significantly from month to month. Customers frequently change their delivery schedules or cancel orders. (See Part I, Item 1A, Risk Factors, "We may not make the sales that are suggested by our order rates, backlog or book-to-bill ratio, and our book-to-bill ratio may be affected by product mix.").

Approximately 26% of total net sales in 2017 were in the Aerospace & Defense end market and while we service defense markets outside of the United States, a portion of sales in this end market correlate to direct sales to U.S. government agencies, customers whose principal sales are to the U.S. government agencies or to subcontractors whose material sales are to the U.S. government agencies. Future sales are subject to the uncertainties of governmental appropriations and national defense policies and priorities, including sequestration impacts similar to those we experienced under the Budget Control Act of 2011, constraints of the budgetary process and timing and potential changes in these policies and priorities. Additionally, the long-term outlook for the fiscal position of the U.S. federal government is also uncertain, as illustrated by the 2013 budget negotiations and the shutdown of non-essential U.S. federal government services in October 2013. (See Part I, Item 1A, Risk Factors, "Reliance on government contracts for a significant portion of our sales could have a material adverse effect on results of operations.").

Markets

Our products include discretetes and ICs, modules, and subsystem solutions that enhance customer designs by improving performance, security, reliability and power consumption. The principal end markets we serve include: Aerospace & Defense - Microsemi's high-performance solutions are used by the majority of commercial airliners manufactured today and all Tier 1 prime contractors in a variety of homeland and offshore security applications. Microsemi products are used in the latest advanced models such as the Boeing 787 Dreamliner, Boeing 737 MAX, Airbus A350 and Airbus A320neo. Microsemi's high-reliability products are used in most satellites and in a wide range of commercial and military avionics systems. Microsemi's product offering for aerospace include radiation hardened and radiation tolerant solutions for the satellite market to which it supplies all of the top manufacturers. Microsemi's defense and security solutions are also used in products such as unmanned aerial vehicles, radar applications and radio and guidance systems. Microsemi continues to lead the market for semiconductor sales in this end market.

Communications - Microsemi is a key supplier to top-tier companies focused on wired and wireless communications products. These products are deployed in applications ranging from the central office to the enterprise and the home, and to a broad array of wired and wireless networked devices. Microsemi boasts the largest and most complete timing product offering, as well as the industry's only end to end timing product portfolio. Microsemi also pioneered the concept and development of Power-over-Ethernet ("PoE") technology and offers ICs and system solutions (midspans) based on this increasingly popular power transmission solution.

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Data Center - Microsemi's data center products and solutions enable high-speed communications between the servers, switches and storage devices that comprise these systems thereby allowing large quantities of data to be stored, managed and moved securely. As storage demand continues to grow, managing the data becomes more critical for the operation of the entire company or service provider. Our focus in this area is in developing controllers and switches for high-performance storage systems in cloud and enterprise data center applications.

Industrial - Microsemi delivers secure and highly reliable solutions for applications including industrial controls, machine-to-machine (M2M) communications, energy exploration and drilling, semiconductor capital equipment and alternative energy platforms. Microsemi is also a leading supplier of ultra-low power wireless solutions used in medical devices including implantable defibrillators and pacemakers, MRI machines, and portable medical equipment.

Recent Product Introductions

Microsemi marketed a number of recently introduced and updated products, including:

its BlueSky GPS Firewall, a breakthrough approach to protecting critical infrastructure against GPS spoofing and jamming threats, designed to provide security protection for GPS-delivered position, navigation and timing (PNT) data;

a new SyncServer S650 SAASM server incorporating a Selective Availability Anti-Spoofing Module (SAASM) to provide the U.S. Department of Defense (DOD) and other government agencies and approved suppliers a highly secure, accurate and flexible time and frequency platform for synchronizing mission-critical electronics systems and instrumentation applications in the defense market, such as satellite communications and defense operational infrastructure;

the production release of its Flashtec NVM Express (NVMe) 2108 eight-channel controllers, enabling leading enterprises and data centers worldwide to realize cost- and power-efficient high capacity solid state drives (SSDs); four new miClockBuffer products, ZL40230, ZL30235 and ZL30240, and three new miSmartBuffer products, ZL40231, ZL40234, ZL40241 and ZL40260, in its portfolio of clock management fanout buffers, which expand Microsemi's broad lineup of high performance devices targeted to applications within the communications, data center and enterprise markets;

its Switchtec PAX advanced fabric Gen3 PCIe switch providing high-performance fabric connectivity for scalable, multi-host systems and just a bunch of flash (JBOF) supporting single root input/output (I/O) virtualization (SR-IOV), NVMe and multi-function endpoints; and

its RTG4 high-speed signal processing radiation-tolerant field programmable gate array (FPGA) engineering samples, the first devices of their kind to be available in a ceramic quad flat pack (CQFP) package, which conforms to the CQFP industry standard for space applications and features 352 pins to enable a more cost-effective integration.

CRITICAL ACCOUNTING POLICIES AND ESTIMATES

The consolidated financial statements have been prepared in accordance with accounting principles generally accepted in the United States that require us to make estimates and assumptions that affect the reported amounts of assets and liabilities at the date of the consolidated financial statements and revenues and expenses during the periods reported. Actual results could differ from those estimates. Information with respect to our critical accounting policies we believe could have the most significant effect on our reported results and require subjective or complex judgments is contained in Note 1, "Description of Business and Summary of Significant Accounting Policies" to our consolidated financial statements.

Revenue Recognition, Sales Returns and Allowances

We primarily recognize revenue from customers, including distributors, when title and risk of loss have passed to the customer provided that: 1) evidence of an arrangement exists; 2) delivery has occurred; 3) the fee is fixed or

determinable; and 4) collectability is reasonably assured. For substantially all product sales, revenue is recognized, net of estimated returns and discounts, at the time the product is shipped.

We enter into distribution agreements that permit rights to limited stock rotations, returns, price protection, and volume purchase and other discounts. We provide an estimated allowance for these rights and record a corresponding reduction in revenue. Our estimated allowance is based on several factors including past history and notification from customers of pending activity. Actual activity under such rights have been within management's expectations.

We also derive a portion of our revenue from fixed-price contracts. Revenue for these contracts is recorded under a percentage of completion method, which is based on the ratio of total costs incurred to date to estimated total costs at completion. Actual costs have been within management's expectations. Gross profit expected to be realized on fixed-price contracts is based on periodic estimates of total revenues and costs for each contract. Losses on contracts are accrued when estimated total costs are expected to exceed total revenues. Occasionally, we will enter into contracts on a cost plus fee basis. We recognize revenue based on reimbursements for actual expenses plus the contractually agreed upon fee with the customer.

Restructuring Charges

We recognize a liability for restructuring costs when the liability is incurred. The restructuring accruals are based upon management estimates at the time they are recorded and can change depending upon changes in facts and circumstances subsequent to the date the original liability is recorded. The main components of our restructuring charges are workforce reductions and impairments of excess capacity on facilities and contracts. Workforce-related charges are accrued when it is determined a liability exists, which is generally when individuals have been notified of their expected termination dates and expected severance payments and when formal severance plans exist, when the severance payments are probable and reasonably estimable. The impairments of excess capacity on facilities and contracts results in charges for termination fees, future contractual commitments to pay lease charges net of estimated sublease income, facility remediation costs and moving costs to remove property and equipment from the facilities. We recognize charges for on leased facilities when we have vacated the premises or ceased use of a functionally separate portion of the facility.

Stock-Based Compensation

Compensation expense for restricted shares was calculated based on the service period of the grant and the closing price of our common stock on the date of grant. Restricted shares are subject to forfeiture if a participant does not meet length of service requirements. Restricted stock awards granted to employees typically vest over a three year period and awards granted to non-employee directors vest in accordance with our director compensation policy. Compensation expense for performance stock units was calculated based upon expected achievement of the performance metrics specified in the grant and the closing price of our common stock on the date of grant, or when a grant contains a market condition, the grant date fair value using a Monte Carlo simulation. The Monte Carlo simulation incorporates estimates of the potential outcomes of the market condition on the grant date fair value of each award.

Compensation expense for stock options and stock appreciation rights was calculated based on the service period of the grant and the grant date or assumption date fair value using the Black-Scholes pricing model. All stock appreciation rights we have granted or assumed are stock-settled. Stock options and stock appreciation rights are granted at exercise prices equal to the closing price of our common stock on the date of grant. Assumed stock options and stock appreciation rights are granted at exercise prices determined in accordance with the acquisition agreement. Expected life and forfeiture rates were estimated based primarily on historical data that were stratified between members of the Board of Directors, executive employees and all other recipients. Expected volatility was estimated based on historical volatility using equally weighted daily price observations over a period approximately equal to the expected life of each option. The risk free interest rate is based on the implied yield currently available on U.S. Treasury securities with an equivalent remaining term. No dividends are expected to be paid.

Accounting For Income Taxes

We account for income taxes under the asset and liability method, whereby deferred tax assets and liabilities are recognized for the future tax consequences attributable to differences between the financial statement carrying amounts of existing assets and liabilities and their respective tax bases. Deferred tax assets and liabilities are measured using enacted tax rates expected to apply in the years in which those temporary differences are expected to be recovered or settled. The effect on deferred tax assets and liabilities of a change in tax rates is recognized in income in the period that includes the enactment date. We evaluate the need to establish a valuation allowance for deferred tax assets based upon the amount of existing temporary differences, the period in which they are expected to be recovered and expected levels of taxable income. A valuation allowance to reduce deferred tax assets is established when it is more likely than not some or all of the deferred tax assets will not be realized. We recognize uncertain tax positions when they meet a more-likely-than-not threshold. We recognize potential accrued interest and penalties related to unrecognized tax benefits as income tax expense.

We file U.S. federal, state, and foreign income tax returns in jurisdictions with varying statutes of limitations. We establish liabilities for possible assessments by tax authorities resulting from known tax exposures including, but not limited to, international tax issues and certain tax credits. While we believe our reported results are appropriate, any significant adjustments could have a material adverse effect on our results of operations, cash flows and financial position if not resolved within management expectations.

Segment Information

We use the management approach for segment disclosure, which designates the internal organization that is used by management for making operating decisions and assessing performance as the source of our reportable segments. We manage our business on the basis of one reportable segment, as a manufacturer of semiconductors in different geographic areas, including the United States, Europe and Asia.

Accounts Receivable and Allowance for Doubtful Accounts

Trade accounts receivable are recorded at the invoiced amount and do not bear interest. The accounts receivable amount shown in the balance sheet are trade accounts receivable balances at the respective dates, net of allowance for doubtful accounts. The allowance for doubtful accounts is our best estimate of the amount of probable credit losses in our existing accounts receivable. We determine the allowance based in part on our historical write-off experience and specific review of account balances due. Past due balances are reviewed individually for collectability. All other balances are reviewed on a pooled basis by the age of the receivable. Account balances are charged off against the allowance when we determine it is probable the receivable will not be recovered. We review our allowance for doubtful accounts quarterly. We do not have any off-balance-sheet credit exposure related to our customers. To date, our allowance for doubtful accounts has generally been within management's estimates.

Inventories

Inventories are stated at the lower of cost, as determined using the first-in, first-out method, or market. Costs include materials, labor and manufacturing overhead. We evaluate the carrying value of our inventories taking into account such factors as historical and anticipated future sales compared with quantities on hand and the price we expect to obtain for our products in their respective markets. We also evaluate the composition of our inventories to identify any slow-moving, excess or obsolete products. Additionally, inventory write-downs are made based upon such judgments for any inventories that are identified as having a net realizable value less than their cost, which is further reduced by related selling expenses. The net realizable value of our inventories for ongoing operations has generally been within management's estimates. We have recorded inventory write-downs for discontinued product lines that did not meet gross margin targets, products that are being migrated to newer generations, products that service the large capital spending end markets for which demand has declined, and products related to facility closures.

Long-Lived Assets

We assess the impairment of long-lived assets whenever events or changes in circumstances indicate their carrying value may not be recoverable from the undiscounted estimated future cash flows expected to result from their use. We are required to make judgments and assumptions in identifying those events or changes in circumstances that may trigger impairment. Some of the factors we consider include:

• Significant decrease in the market value of an asset.

• Significant changes in the extent or manner for which the asset is being used or in its physical condition including manufacturing plant closures.

- A significant change, delay or departure in our business strategy related to the asset.

• Significant negative changes in the business climate, industry or economic conditions.

• Current period operating losses or negative cash flow combined with a history of similar losses or a forecast indicates continuing losses associated with the use of an asset.

If events or circumstances indicate the carrying amount of a long-lived asset or asset group may not be recoverable and the expected undiscounted future cash flows attributable to the asset group are less than the carrying value, an impairment loss equal to the excess of the carrying value of the assets within the asset group over their fair value is recorded. The appropriate asset group is determined based on the lowest level of largely independent cash inflows and outflows for the related assets. Depending on the nature of the primary assets in the asset group, fair value is estimated using one of several approaches including replacement cost, appraised values, market quotes or estimated expected future cash flows using a discount rate commensurate with the risk involved.

Goodwill and Intangible Assets

We account for goodwill on an impairment-only approach and amortize intangible assets with definite useful lives over the benefit period, which approximates straight-line expense over the respective useful lives. We assess qualitative factors to determine whether it is more likely than not that an indefinite-lived intangible asset such as goodwill is impaired as the basis for determining whether a quantitative impairment test is required. We assess definite-lived intangible assets for impairment whenever events or changes in circumstances indicate the carrying value of an asset may not be fully recoverable. Whenever we determine there has been an impairment of goodwill or other intangible assets with indefinite lives, we will record an impairment charge against earnings. We operate as one reporting unit and an impairment charge would equal the excess of the carrying value of goodwill in our one reporting unit over its then fair value. The identification of intangible assets and determination of the fair value and useful lives are subjective in nature and often involve the use of significant estimates and assumptions. The judgments made in determining the estimated useful lives assigned to each class of assets can significantly affect net income. We completed our most recent qualitative analysis during the fourth quarter of 2017 and noted no significant factors to indicate it was more likely than not the fair value of the reporting unit is less than its carrying amount.

Business Combinations

The Company allocates the fair value of the purchase consideration of its acquisitions to the tangible assets, liabilities, and intangible assets acquired, including in-process research and development ("IPR&D"), based on their estimated fair values. Purchase price allocations for business acquisitions require significant judgments, particularly with regards to the determination of value of identifiable assets, liabilities, and goodwill. Often third party specialists are used to assist in area of valuation requiring complex estimation.

The excess of the fair value of purchase consideration over the fair values of these identifiable assets and liabilities is recorded as goodwill. IPR&D is initially capitalized at fair value as an intangible asset with an indefinite life and assessed for impairment thereafter. When a project underlying reported IPR&D is completed, the corresponding amount of IPR&D is reclassified as an amortizable purchased intangible asset and is amortized over the asset's estimated useful life. Acquisition-related expenses are recognized separately from the business combination and are expensed as incurred.

RESULTS OF OPERATIONS

Net sales increased \$156.8 million or 9.5%, to \$1.81 billion for 2017 from \$1.65 billion for 2016 primarily due to an increase in sales volumes in our Communications, Data Center, and Industrial end markets, partially offset by a decrease in sales volumes in our Aerospace & Defense end market. Net sales increased \$409.4 million or 32.9% between 2016 and 2015, from \$1.25 billion for 2015.

Estimated sales by end markets are based on our understanding of end market uses of our products. An estimated breakout of net sales by end markets is as follows (amounts in millions):

	2017	2016	2015
Aerospace & Defense	\$473.4	\$495.4	\$527.2
Communications	641.0	618.0	439.8
Data Center	421.4	276.9	11.9
Industrial	276.0	264.7	266.7
Total	\$1,811.8	\$1,655.0	\$1,245.6

Net sales in the Aerospace & Defense end market decreased \$22.0 million in 2017 from \$495.4 million in 2016 and decreased \$31.8 million between 2016 and 2015 from \$527.2 million in 2015. The declines in each year were primarily attributable to a divestiture in May 2016 that operated a non-strategic component of a board level systems and packaging business. Absent the impact of this divestiture, year-to-date Aerospace & Defense sales would have increased year over year. Our aerospace outlook remains healthy. We believe we are benefiting from significant content growth both on newer aircraft models and upgrades to existing airframes, and our differentiated highly-reliable and secure FPGA technology will contribute to growth in this end market. We also expect satellite sales, which includes higher margin FPGA products, to improve over the upcoming year. We are pleased with early results from our next generation radiation-tolerant device that was released late last year. We continue to note an improving defense market where we have increased dollar content in the form of our FPGAs and timing products, growing foreign military sales and normalization of channel inventories. We believe that procurement plans that emphasize command, control, communications, computers, intelligence, surveillance and reconnaissance equates to growing electronic content.

Net sales in the Communications end market increased \$23.0 million to \$641.0 million in 2017 from \$618.0 million in 2016 and increased \$178.2 million between 2016 and 2015 from \$439.8 million in 2015. This end market benefited in 2017 and 2016 from products from the PMC acquisition which we consummated in January 2016 and benefited in 2015 from the Vitesse acquisition which was consummated in April 2015, as well as increased contributions of Ethernet switching, network synchronization, and clock management products. We continue to experience growth in our timing products, driven by network synchronization and clock management products in communications infrastructure applications. We believe we have the broadest portfolio of timing products which allows us to better anticipate and serve our customers' needs while improving our market share. Sales of legacy Ethernet switching products have declined as growth in LTE and capital expenditures at carriers slowed with a pause in the wireless capital expenditure in China due to the 4G wind down. Sales of voice circuits have also slowed recently as a function of continued passive optical network softness in China. We are benefiting from the resulting shift of spending into wireline applications and the continuing emergence of 100G deployments in China and North America. In 2017, we also announced next generation FPGA products solutions designed for the communications market, extending our leadership of our low power, security and reliability solutions.

Net sales in the Data Center end market increased \$144.5 million between 2017 and 2016 with net sales of \$421.4 million in 2017 and \$276.9 million in 2016 and increased \$265.0 million between 2016 and 2015 from \$11.9 million in 2015. The increase in 2017 compared to 2016 was primarily attributable to an increase in sales volumes due to the continued ramp of our enterprise storage solutions products and our flash controller products which continued to gain momentum with the majority of the increase in spending from our hyperscale customers. Amounts reported in this end market currently consist of the storage controllers, interconnect devices and board level products from the acquisition of PMC along with various power management and Ethernet switching products from Microsemi's existing portfolio which have been selling into Data Center applications. Over the longer term, we expect to drive our Ethernet switching, FPGA, and other secure devices into high-growth hyperscale applications as we execute on Microsemi's solution-sell go to market strategy. We expect to leverage our strong product portfolio and customer relationships to increase net sales in a high-growth data center market.

Net sales in the Industrial end market increased \$11.3 million to \$276.0 million in 2017 from \$264.7 million in 2016 and decreased \$2.0 million between 2016 and 2015 from \$266.7 million in 2015. In recent years, this end market has been impacted by the decline in energy prices which has affected products used in exploration applications but has benefited from increased shipments of ultra-low power radios in medical applications, as well as from broad-based strength for our power products in the plasma and semiconductor capital equipment markets. We continue to forecast

modest growth for 2018 based on the strength of our ultra-low power RF products, recovering energy markets and several emerging market opportunities such as automotive charging stations in China, motor control applications for our FPGA products, and industrial automation opportunities for our Ethernet switching solutions.

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Net sales by geographic area based on a customer's ship-to location are as follows (amounts in millions):

	2017	2016	2015
United States	\$597.8	\$628.2	\$610.0
Europe	230.7	222.8	189.8
Asia	922.0	749.2	399.7
Other	61.3	54.8	46.1
Total	\$1,811.8	\$1,655.0	\$1,245.6

Gross profit increased \$220.4 million between 2017 and 2016, to \$1.16 billion (63.9% of sales) for 2017 from \$937.1 million (56.6% of sales) for 2016 and increased \$252.8 million between 2016 and 2015, from \$684.3 million (54.9% of sales) for 2015. Gross margin improvement during 2017 was primarily attributable to favorable product mix and improvements in manufacturing efficiencies. During 2016, we recorded costs related to manufacturing profit in acquired inventory of \$66.2 million related to the PMC acquisition. During 2015, we recorded expense from manufacturing profit in acquired inventory of \$22.0 million related to our acquisition of Vitesse. Adjusting for these costs, gross margin improvements were primarily attributable to favorable product mix, including from products from the PMC acquisition, and improvements in manufacturing efficiencies. In 2016, we also recorded \$4.0 million in inventory reserves related to the shutdown of a wafer fabrication facility. We periodically evaluate the profitability of our various offerings. Should the actual or expected profitability fall below an acceptable threshold, we may decide to stop offering a product, in part to reallocate manufacturing, operations, engineering, sales and support resources to products we expect to generate greater returns.

Selling, general and administrative ("SG&A") expenses decreased \$21.7 million between 2017 and 2016 to \$330.7 million in 2017 from \$352.4 million in 2016 primarily due to continued synergies attributed to our acquisition and divestiture activities in the prior year. SG&A increased \$102.9 million between 2016 and 2015 from \$249.5 million in 2015 due to incremental operating expenses attributed to our acquisitions and costs associated with our divestiture activities. During 2016, we recorded costs of \$31.4 million primarily related to the acquisition of PMC and divestiture of a non-strategic component of a board level systems and packaging business. We also incurred acquisition-related costs of \$6.2 million in 2015 primarily related to the acquisition of Vitesse.

Research and development expense increased \$32.5 million between 2017 and 2016 to \$341.6 million in 2017 from \$309.1 million in 2016 and increased \$108.8 million between 2016 and 2015 from \$200.3 million in 2015. While incremental costs from recent acquisitions contributed to increased research and development expenses, the increases were partially offset by selectively investing in strategic product roadmaps. The spending on research and development was principally to develop new higher-margin application-specific products, including, among others, our processor and core architecture development for next generation programmable products, storage and optical products, Ethernet switches, medical communications and signal processing devices, the continued roadmap development of our industry-leading timing and synchronization products, and the ongoing development of gallium nitride (GaN) and silicon carbide (SiC) power solutions.

Amortization of intangible assets included in operating expenses for each of the three fiscal years in the period ended October 1, 2017 are as follows (amounts in millions):

	2017	2016	2015
Completed technology	\$143.7	\$108.7	\$50.4
Customer relationships	45.7	46.5	44.6
Backlog, trade name and other	2.3	6.0	1.5
	\$191.7	\$161.2	\$96.5

The increases in amortization in 2017 and 2016 was primarily due to acquired intangibles related to our acquisitions of PMC in 2016 and Vitesse in 2015 and amortization of IPR&D that were completed during 2017, partially offset by intangible assets that reached their amortizable lives.

Restructuring charges amounted to \$23.2 million in 2017 compared to \$60.7 million in 2016 and \$15.4 million in 2015. The variances relate to the timing and announcement of restructuring activities, primarily related to severance and facility shutdown costs and actions following our acquisitions of PMC in 2016 and Vitesse in 2015.

We periodically evaluate our operations and may make further specific determinations to consolidate, close, sell or divest of additional facilities, operations or product lines, which could be announced at any time. We face major technical challenges in regards to transferring component manufacturing between locations. Before a transfer of manufacturing, we must be finished qualifying the new facility appropriately with government agencies or certain customers. In addition, to mitigate the potential for manufacturing disruptions following a closure, we typically build inventory to support the transition process. While we generally plan to retain revenues and income of those operations by transferring the manufacturing elsewhere within Microsemi's subsidiaries, our plans may change at any time based on reassessment of the alternatives and consequences. While we hope to benefit overall from increased gross margins and increased capacity utilization rates at remaining operations, the remaining operations will need to bear the corporate administrative and overhead costs, which are charges to income that had been allocated to the discontinued business units. Moreover, delays in effecting our consolidations could result in changes in the timing of realized costs savings and in greater than anticipated costs incurred to achieve our projected longer-range savings.

The following table reflects the related restructuring activities and the accrued liabilities at the dates below (amounts in millions):

	Employee Severance	Contract Termination Costs	Other Associated Costs	Total
Balance at October 2, 2016	\$ 2.5	\$ 4.6	\$ 0.4	\$7.5
Provisions	15.0	6.7	1.9	23.6
Reversal of prior provision	(0.3)	(0.1)	—	(0.4)
Cash expenditures	(8.6)	(3.2)	(0.4)	(12.2)
Other non-cash settlement	(0.1)	0.4	(0.2)	0.1
Balance at October 1, 2017	\$ 8.5	\$ 8.4	\$ 1.7	\$18.6

We recorded net provisions for employee severance of \$14.7 million for 2017. Employee severance covered individuals in engineering, manufacturing, administration and sales and is expected to be paid within the next twelve months.

We recorded provisions for contract termination costs of \$6.7 million for 2017, primarily for the fair value at the cease-use date of operating lease liabilities for space we have exited. Facilities consisted primarily of sales, engineering and administrative space, as well as manufacturing space. We recorded a \$0.1 million reversal of prior provision related to a facility lease termination that was settled at an amount less than estimated.

We recorded provisions for other associated costs for restructuring of \$1.9 million for 2017, which consisted of facility and equipment impairments and facility relocation costs.

Interest expense, net, was \$97.7 million in 2017, \$120.1 million in 2016 and \$27.3 million in 2015. The decrease in interest expense between 2017 and 2016 was primarily due to the principal repayments on our credit facility, the positive impact of our credit facility repricing and a repurchase of a portion of our Notes during 2017. The increase in interest expense between 2016 and 2015 was primarily due to financing of the PMC acquisition which occurred in the second quarter of 2016.

Other income (expense), net, was \$(36.5) million in 2017, \$41.0 million in 2016 and \$1.6 million in 2015. Other expense in 2017 consisted primarily of the debt extinguishment charge related to the repurchase of a portion of our Notes during the year. The increase in other income (expense), net, between 2016 and 2015 was primarily due to the gain from divestitures of \$125.5 million, partially offset by the debt extinguishment charges of \$76.9 million consisting of \$61.3 million we paid in connection with the Credit Agreement (as defined in Note 7 "Debt" of our notes to consolidated financial statements below), \$3.0 million we paid in connection with the refinancing of our term loan A facility and term loan B facility, and \$12.6 million related to prior deferred financing fees we expensed in connection with the termination of our prior senior secured credit agreement and extinguishment of amounts that exited the term loan A facility and term loan B facility syndicate.

We recorded a benefit from income taxes of \$40.2 million on pretax income of \$136.1 million in 2017 compared to a provision for income taxes of \$7.2 million on pretax loss of \$25.4 million in 2016 and a provision for income taxes of \$12.3 million on pretax income of \$96.9 million in 2015. For each of these years, the benefit from or provisions for income taxes were primarily due to the tax provision on profitable entities in foreign jurisdictions and U.S. tax

provision relating to deferred tax liabilities that will not provide future sources of income to realize deferred tax assets. The tax provisions were offset by tax benefits related to the release of valuation allowances and the reversal of certain deferred

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tax liabilities. We had cumulative operating losses for the three years ended in 2017 for our U.S. operations and several foreign operations and have provided a full valuation allowance accordingly on certain of our U.S. and foreign net deferred tax assets as we have determined that it is more likely than not that the tax benefits will not be realized in the future.

Our valuation allowance decreased \$77.2 million in 2017 and increased \$205.9 million in 2016. The 2017 decrease was primarily due to the releases of domestic and certain foreign valuation allowances and the remeasurement of deferred tax liabilities, and the 2016 increase was primarily due to increases in net deferred tax assets from operations and acquisitions that are not more likely than not realizable.

CAPITAL RESOURCES AND LIQUIDITY

We had \$144.9 million and \$189.5 million in cash and cash equivalents at October 1, 2017 and October 2, 2016, respectively, and financed our operations with cash generated from operations. We believe through our cash flows from operations, together with our existing cash and cash equivalents, we will be able to meet our operating and capital requirements for at least the next twelve months.

Our various foreign subsidiaries hold cash and cash equivalents of \$89.4 million at October 1, 2017. These balances held outside the United States may not be readily available to meet our domestic cash requirements. We require a substantial amount of cash in the United States for strategic business initiatives including: purchases of property and equipment, accelerated principal payments on debt, potential repurchases of our common stock and potential future acquisitions. If we are unable to meet our domestic cash requirements using domestic cash flows from operations, domestic cash and cash equivalents, or by settling loans with our foreign subsidiaries, it may be necessary for us to consider raising funds through debt or equity offerings or repatriate earnings that we have designated as permanently reinvested. We intend to reinvest prior and certain current year earnings from our foreign entities indefinitely. Certain current year earnings from our foreign entities are not indefinitely reinvested and we recorded the tax impact in current year net income. Any repatriation of earnings may require us to record additional income tax expense and remit additional taxes, which could have a material effect on our results of operations, cash flows and financial condition.

Net cash provided by operating activities was \$474.7 million, \$274.6 million, and \$269.3 million in 2017, 2016 and 2015, respectively. During 2017, 2016 and 2015, net cash provided by operating activities was reduced by restructuring activities resulting in payments of \$12.2 million, \$36.2 million, and \$19.5 million, respectively. The net increase in working capital accounts between 2017 and 2016 was primarily due to timing of collections and payments and an increase in inventory due to increased linearity in shipments and anticipated shipments in the following quarter. The net increase in working capital accounts between 2016 and 2015 was primarily due to the PMC acquisition.

A summary of net cash provided by operating activities in 2017, 2016 and 2015 is as follows (amounts in millions):

	2017	2016	2015
Net income (loss)	\$176.3	\$(32.6)	\$84.6
Depreciation	48.7	46.1	36.2
Amortization	191.7	161.2	96.5
Change in allowance for doubtful accounts	(0.2)	0.7	(0.2)
Amortization of deferred financing cost	13.3	33.1	1.6
(Gain) loss on divestiture	1.2	(125.5)	—
(Gain) loss on disposition or impairment of assets	(2.7)	1.6	(1.1)
Deferred income taxes	31.0	(32.6)	(8.0)
Valuation allowance on deferred income taxes	(77.2)	35.3	13.3
Charge for stock-based compensation	89.0	101.1	49.8
Net change in working capital accounts	15.4	(5.7)	6.6
Net change in other long term assets and liabilities	(11.8)	91.9	(10.0)
Net cash provided by operating activities	\$474.7	\$274.6	\$269.3

Net cash used in investing activities was \$94.4 million, \$1.41 billion and \$403.2 million in 2017, 2016 and 2015, respectively. Net cash used in investing activities in 2017 consisted of \$54.7 million in purchases of property and

equipment and net cash paid of \$43.8 million from previous acquisitions and divestitures, partially offset by \$4.0 million of proceeds from the sale of property and \$0.1 million of proceeds from the sales of short term investments. Net cash used in investing activities in 2016 consisted of \$48.8 million in purchases of property and equipment and net cash

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consideration of \$1.69 billion for the acquisition of PMC, partially offset by \$321.0 million of proceeds from divestitures and \$0.4 million of proceeds from the sales of short term investments. Net cash used in investing activities in 2015 consisted of \$44.1 million in purchases of property and equipment and net cash consideration of \$363.9 million for the acquisition of Vitesse, partially offset by \$4.2 million of proceeds from sale of property and \$0.6 million of proceeds from the sales of short term investments.

Net cash used in financing activities was \$424.9 million, \$1.07 billion and \$228.1 million in 2017, 2016 and 2015, respectively. Net cash used in financing activities in 2017 consisted of principal repayments of \$826.5 million on our credit facility, \$29.2 million in extinguishment of debt, \$1.7 million in credit facility issuance costs, and \$4.9 million in stock settled tax withholdings, partially offset by borrowings under our credit facility of \$435.0 million and \$2.4 million in proceeds from stock awards. Net cash provided by financing activities in 2016 primarily consisted of borrowings under our credit facility of \$3.49 billion and \$5.1 million in proceeds from stock awards, partially offset by principal repayments of the credit facility of \$1.13 billion, \$42.4 million in stock settled tax withholdings, \$53.8 million in credit facility issuance costs, and \$1.20 billion in extinguishment of debt. Net cash provided financing activities in 2015 primarily consisted of borrowings under our credit facility of \$425.0 million and \$47.6 million in proceeds from stock awards, partially offset by \$8.7 million in credit facility issuance costs, \$18.1 million in stock settled tax withholdings, \$75.0 million for the repurchase of common stock, and principal prepayments on the credit facility of \$142.7 million. Please refer to Note 7, "Debt" of our notes to consolidated financial statements for a discussion of our Credit Agreement and Notes.

Contractual Obligations

The following table summarizes our contractual payment obligations and commitments, excluding liability related to uncertain tax positions, at October 1, 2017 (amounts in millions):

	Payments due by period				
	Total	Less than 1 year	1-3 years	3-5 years	More than 5 years
Principal payments on Credit Agreement	\$1,552.5	\$ 61.1	\$162.9	\$1,328.5	\$ —
Principal payments on Notes	279.2	—	—	279.2	—
Interest and commitment fee on Credit Agreement	210.4	49.8	92.0	61.0	7.6
Interest on Notes	166.8	25.4	51.0	51.0	39.4
Other long-term liabilities	111.2	1.2	18.4	3.9	87.7
Operating leases	118.1	27.7	48.6	27.2	14.6
Purchase obligations	71.1	53.9	11.9	3.7	1.6
Total	\$2,509.3	\$ 219.1	\$384.8	\$1,754.5	\$ 150.9

As of October 1, 2017, we recorded \$71.1 million in long-term liabilities for accrued taxes related to uncertain tax positions and are not able to reasonably estimate the timing of the long-term payments, or the amount by which our liability will increase or decrease over time; therefore, the liability related to uncertain tax positions has not been included in the contractual obligations table.

Payments of interest on our Credit Agreement in the contractual obligations table assumes we will make the minimum scheduled term loan principal payments and incur interest at the current effective interest rate. Payments of the commitment fee on our Credit Agreement assumes our revolving credit facility balance remains undrawn.

Off-Balance Sheet Arrangements

As of October 1, 2017, we had no off-balance sheet arrangements that have, or are reasonably likely to have, a current or future material effect on our consolidated financial condition, results of operations, liquidity, capital expenditures or capital resources.

RECENTLY ISSUED ACCOUNTING STANDARDS

Please refer to Note 1, "Description of Business and Summary of Significant Accounting Policies" of our notes to consolidated financial statements for a discussion of recently issued accounting standards.

ITEM 7A. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

We are exposed to various forms of market risk, which is the potential loss arising from adverse changes in credit risk, foreign currency exchange rates, interest rates or the stock market.

Foreign Currency Exchange Rates

We conduct a relatively small portion of our business in a number of foreign currencies, principally the European Union Euro, Canadian Dollar, British Pound, Israeli Shekel and Chinese RMB. We may receive some revenues in foreign currencies and purchase some inventory and services in foreign currencies. Accordingly, we are exposed to transaction gains and losses that could result from changes in exchange rates of foreign currencies relative to the U.S. dollar. Because transactions in foreign currencies have represented a relatively small portion of our business, foreign currency fluctuations have not had a material impact historically on our revenues or results of operations. However, there can be no assurance future fluctuations in the value of foreign currencies will not have material adverse effects on our results of operations, cash flows or financial condition. We have conducted a limited foreign currency hedging program thus far. We have considered and may continue to consider expanding our foreign currency hedging program.

Credit Risk

A significant portion of our sales are or may be derived from U.S. government agencies or customers whose principal sales are to U.S. government agencies which creates concentrations of credit risk. Future sales are subject to the uncertainties of governmental appropriations and national defense policies and priorities, including sequestration impacts similar to those we experienced under the Budget Control Act of 2011, constraints of the budgetary process and timing and potential changes in these policies and priorities. Additionally, the long-term outlook for the fiscal position of the U.S. federal government is also uncertain, as illustrated by the 2013 budget negotiations and the shutdown of non-essential U.S. federal government services in October 2013.

We have experienced delays and reduction in appropriations on programs that include our products. Further delays, reductions in or terminations of government contracts or subcontracts, including those caused by any past or future shutdown of the U.S. federal government, could materially and adversely affect our operating results. While we generally function as a subcontractor, further changes in U.S. government procurement regulations and practices, particularly surrounding initiatives to reduce costs, may adversely impact the contracting environment and our operating results.

Generally, the U.S. government and its contractors and subcontractors may terminate their contracts with us at any time, with or without cause. In 2014, the U.S. government terminated for convenience a \$75 million contract, for which we received \$33.4 million. We have in the past experienced the termination of a contract due to the termination of the underlying government contract. All government contracts are also subject to price renegotiation in accordance with the U.S. Government Renegotiation Act. By reference to such contracts, all of the purchase orders we receive that are related to government contracts are subject to these possible events. In addition, the recent shutdown of non-essential U.S. government services and any future government shutdowns may significantly increase the risk of further contract terminations or renegotiations, and any such termination or renegotiation could have a material adverse impact upon our revenues and results of operations.

In addition, net sales to international markets represent a significant portion of total net sales. Our net sales to international customers represented 67%, 62% and 51% of consolidated net sales for 2017, 2016 and 2015, respectively. These sales were principally to customers in Europe and Asia. We maintain reserves for potential credit losses and such losses have been within management's expectations.

Interest Rates

Under our Credit Agreement, we may borrow under a "Base Rate" which approximates the prime rate plus an applicable margin or "Eurodollar Rate" which approximates LIBOR plus an applicable margin. The Credit Agreement also requires the Company to pay a commitment fee for the unused portion of the revolving credit facility. At October 1, 2017, the commitment fee was 0.25%. At October 1, 2017, the principal amounts outstanding were Eurodollar Rate loans and interest rate information as of October 1, 2017 were as follows (dollar amounts in millions):

	Principal Outstanding	Base Rate	Base Rate Margin	Eurodollar Rate Margin	Applicable Rate
Revolving and swingline loans	\$ —	3.75%	0.75 %	1.75 %	2.98 %
Term loan A	\$ 757.8	3.75%	0.75 %	1.75 %	3.05 %
Term loan B	\$ 794.7	3.75%	1.25 %	2.25 %	3.55 %

Our Credit Agreement contains financial covenants including a maximum consolidated net leverage ratio and minimum fixed charge coverage ratio and also contains other customary affirmative and negative covenants and events of default. We were in compliance with our covenants as of October 1, 2017.

On January 15, 2016, we completed the sale of \$450.0 million of our Notes to qualified institutional buyers and pursuant to Regulation S in a private offering exempt from the registration requirements of the Securities Act of 1933, as amended. On May 25, 2017, we repurchased a portion of our Notes with an aggregate principal amount of \$170.8 million for a purchase price of \$201.7 million, including accrued interest. This resulted in a loss on extinguishment of debt of \$32.5 million, including the associated unamortized financing costs. As of October 1, 2017, the principal amount outstanding of our Notes was \$279.2 million.

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ITEM 8. FINANCIAL STATEMENTS AND SUPPLEMENTARY DATA

MICROSEMI CORPORATION AND SUBSIDIARIES

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2 Financial Statement Schedule	
Schedule for the fiscal years ended October 1, 2017, October 2, 2016 and September 27, 2015	
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Financial statement schedules not listed above are either omitted because they are not applicable or the required information is shown in the consolidated financial statements or in the notes thereto.	

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Report of Independent Registered Public Accounting Firm

To the Board of Directors and
Stockholders of Microsemi Corporation

In our opinion, the consolidated financial statements listed in the accompanying index appearing under Item 8(1), present fairly, in all material respects, the financial position of Microsemi Corporation and its subsidiaries as of October 1, 2017 and October 2, 2016, and the results of their operations and their cash flows for each of the three years in the period ended October 1, 2017 in conformity with accounting principles generally accepted in the United States of America. In addition, in our opinion, the financial statement schedule listed in the accompanying index appearing under Item 8(2), presents fairly, in all material respects, the information set forth therein when read in conjunction with the related consolidated financial statements. Also in our opinion, the Company maintained, in all material respects, effective internal control over financial reporting as of October 1, 2017, based on criteria established in Internal Control - Integrated Framework (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO). The Company's management is responsible for these financial statements and financial statement schedule, for maintaining effective internal control over financial reporting and for its assessment of the effectiveness of internal control over financial reporting, included in Management's Report on Internal Control over Financial Reporting, appearing under Item 9A. Our responsibility is to express opinions on these financial statements, on the financial statement schedule, and on the Company's internal control over financial reporting based on our integrated audits. We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the financial statements are free of material misstatement and whether effective internal control over financial reporting was maintained in all material respects. Our audits of the financial statements included examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by management, and evaluating the overall financial statement presentation. Our audit of internal control over financial reporting included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, and testing and evaluating the design and operating effectiveness of internal control based on the assessed risk. Our audits also included performing such other procedures as we considered necessary in the circumstances. We believe that our audits provide a reasonable basis for our opinions.

A company's internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. A company's internal control over financial reporting includes those policies and procedures that (i) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (ii) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (iii) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company's assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

/s/PricewaterhouseCoopers LLP
Irvine, CA

November 14, 2017

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MICROSEMI
CORPORATIONConsolidated
Balance Sheets
(amounts in
millions, except
par value)

	October 1, 2017	October 2, 2016
Assets		
Current assets:		
Cash and cash equivalents	\$ 144.9	\$ 189.5
Accounts receivable, net of allowances of \$43.8 at October 1, 2017 and \$41.7 at October 2, 2016	267.9	245.2
Inventories	239.1	213.1
Assets held for sale	—	13.9
Other current assets	75.0	73.2
Total current assets	726.9	734.9
Property and equipment, net	197.6	174.9
Goodwill	2,497.3	2,479.4
Intangible assets, net	752.3	934.6
Deferred income taxes, net	67.2	37.3
Other assets	81.8	61.9
Total assets	\$ 4,323.1	\$ 4,423.0
Liabilities and Stockholders' Equity		
Current liabilities:		
Accounts payable	\$ 164.9	\$ 112.8
Accrued liabilities	153.4	166.1
Current maturity of credit facility	61.1	40.7
Total current liabilities	379.4	319.6
Long term debt	1,735.6	2,138.5
Deferred income taxes	103.8	120.2
Other long-term liabilities	110.0	115.8
Commitments and contingencies (Note 11)		
Stockholders' equity:		
Preferred stock, \$1.00 par value; authorized 1.0 shares; none issued	—	—
Common stock, \$0.20 par value; 250.0 authorized, 116.3 issued and outstanding at October 1, 2017 and 113.6 issued and outstanding at October 2, 2016	23.3	22.7
Capital in excess of par value of common stock	1,443.7	1,357.8
Retained earnings	526.9	350.6
Accumulated other comprehensive income (loss)	0.4	(2.2)
Total stockholders' equity	1,994.3	1,728.9
Total liabilities and stockholders' equity	\$ 4,323.1	\$ 4,423.0

The accompanying notes are an integral part of these statements.

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MICROSEMI
CORPORATION

Consolidated
Statements of
Operations and
Comprehensive
Income (Loss)
For each of the
three fiscal years
in the period
ended October 1,
2017

(amounts in
millions, except
earnings per
share)

	2017	2016	2015
Net sales	\$1,811.8	\$1,655.0	\$1,245.6
Cost of sales (excluding amortization of intangible assets below)	654.3	717.9	561.3
Gross profit	1,157.5	937.1	684.3
Operating expenses:			
Selling, general and administrative	330.7	352.4	249.5
Research and development costs	341.6	309.1	200.3
Amortization of intangible assets	191.7	161.2	96.5
Restructuring and severance charges	23.2	60.7	15.4
Total operating expenses	887.2	883.4	561.7
Operating income	270.3	53.7	122.6
Other expense			
Interest expense, net	(97.7)	(120.1)	(27.3)
Other income (expense)	(36.5)	41.0	1.6
Total other expenses, net	(134.2)	(79.1)	(25.7)
Income (loss) before income taxes	136.1	(25.4)	96.9
Provision for (benefit from) income taxes	(40.2)	7.2	12.3
Net income (loss)	\$176.3	\$(32.6)	\$84.6
Earnings (loss) per share			
Basic	\$1.54	\$(0.31)	\$0.90
Diluted	\$1.51	\$(0.31)	\$0.88
Weighted-average common shares outstanding:			
Basic	114.9	107.0	94.2
Diluted	117.1	107.0	95.9
Net income (loss)	\$176.3	\$(32.6)	\$84.6
Other comprehensive income (loss), net of taxes			
Translation adjustment	2.7	4.8	(1.6)
Unrealized actuarial loss on pension benefits	(0.1)	(3.9)	(0.3)
Other comprehensive income (loss), net of taxes	2.6	0.9	(1.9)
Total comprehensive income (loss)	\$178.9	\$(31.7)	\$82.7

The accompanying notes are an integral part of these statements.

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MICROSEMI
CORPORATION

Consolidated
Statements of
Stockholders'
Equity
For each of the
three fiscal years
in the period
ended October 1,
2017
(amounts in
millions)

	Common Stock		Capital in	Retained	Accumulated	Total
	Shares	Amount	Excess of Par value of Common Stock	Earnings	Other Comprehensive Income(Loss)	
Balance at September 28, 2014	95.6	\$ 19.1	\$ 799.1	\$ 298.6	\$ (1.2)	\$ 1,115.6
Shares issued pursuant to stock awards	2.1	0.4	48.0	—	—	48.4
Tax withholding on restricted stock awards	—	—	(18.1)	—	—	(18.1)
Grants and forfeitures of restricted stock awards	0.1	—	—	—	—	—
Issuance of stock awards related to acquisition	—	—	3.8	—	—	3.8
Stock-based compensation expense	—	—	49.8	—	—	49.8
Other comprehensive loss, net of tax	—	—	—	—	(1.9)	(1.9)
Repurchase of outstanding common stock	(2.7)	(0.5)	(74.5)	—	—	(75.0)
Net income	—	—	—	84.6	—	84.6
Balance at September 27, 2015	95.1	\$ 19.0	\$ 808.1	\$ 383.2	\$ (3.1)	\$ 1,207.2
Shares issued pursuant to stock awards	2.2	0.4	4.2	—	—	4.6
Tax withholding on restricted stock awards	(1.2)	(0.2)	(42.3)	—	—	(42.5)
Grants and forfeitures of restricted stock awards	0.8	0.2	(0.2)	—	—	—
Issuance of stock related to acquisition	15.8	3.2	471.3	—	—	474.5
Issuance of stock awards related to acquisition	0.1	—	15.7	—	—	15.7
Stock-based compensation expense	0.8	0.1	101.0	—	—	101.1
Other comprehensive income, net of tax	—	—	—	—	0.9	0.9
Net loss	—	—	—	(32.6)	—	(32.6)
Balance at October 2, 2016	113.6	\$ 22.7	\$ 1,357.8	\$ 350.6	\$ (2.2)	\$ 1,728.9
Shares issued pursuant to stock awards	2.8	0.6	1.8	—	—	2.4
Tax withholding on restricted stock awards	(0.1)	—	(4.9)	—	—	(4.9)
Stock-based compensation expense	—	—	89.0	—	—	89.0
Other comprehensive income, net of tax	—	—	—	—	2.6	2.6
Net income	—	—	—	176.3	—	176.3
Balance at October 1, 2017	116.3	\$ 23.3	\$ 1,443.7	\$ 526.9	\$ 0.4	\$ 1,994.3

The accompanying notes are an integral part of these statements.

MICROSEMI
CORPORATION

Consolidated
Statements of
Cash Flows
For each of the
three fiscal years
in the period
ended October 1,
2017
(amounts in
millions)

	2017	2016	2015
Cash flows from operating activities:			
Net income (loss)	\$176.3	\$(32.6)	\$84.6
Adjustments to reconcile net (loss) income to net cash provided by operating activities:			
Depreciation expense	48.7	46.1	36.2
Amortization of intangible assets	191.7	161.2	96.5
Change in allowance for doubtful accounts	(0.2)	0.7	(0.2)
Amortization of deferred financing cost	13.3	33.1	1.6
Loss (gain) on divestitures	1.2	(125.5)	—
Loss (gain) on disposition or impairment of assets	(2.7)	1.6	(1.1)
Deferred income taxes	31.0	(32.6)	(8.0)
Valuation allowance on net deferred income taxes	(77.2)	35.3	13.3
Charge for stock-based compensation	89.0	101.1	49.8
Change in assets and liabilities (net of acquisitions and divestitures):			
Accounts receivable	(20.2)	(22.1)	13.8
Inventories	(17.6)	80.2	11.1
Other current assets	8.7	(20.3)	(2.5)
Other assets	(19.8)	2.2	(7.6)
Accounts payable	47.2	(35.8)	(2.9)
Accrued liabilities	(2.7)	(7.7)	(12.9)
Other long-term liabilities	8.0	89.7	(2.4)
Net cash provided by operating activities	474.7	274.6	269.3
Cash flows from investing activities:			
Purchases of property and equipment	(54.7)	(48.8)	(44.1)
Proceeds from the sale of short term investments	0.1	0.4	0.6
Proceeds from divestitures	(1.8)	321.0	—
Proceeds from the sale of property	4.0	—	4.2
Payments for acquisitions, net of cash acquired	(42.0)	(1,686.8)	(363.9)
Net cash used in investing activities	(94.4)	(1,414.2)	(403.2)
Cash flows from financing activities:			
Proceeds from debt	435.0	3,494.3	425.0
Repayments of debt	(826.5)	(1,132.4)	(142.7)
Payment of debt issuance costs	(1.7)	(53.8)	(8.7)
Extinguishment of debt	(29.2)	(1,198.1)	—
Repurchase of common stock	—	—	(75.0)
Payments of stock settled tax withholdings	(4.9)	(42.4)	(18.1)
Proceeds from exercise of stock options	2.4	5.1	47.6
Net cash (used in) provided by financing activities	(424.9)	1,072.7	228.1

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Net (decrease) increase in cash and cash equivalents	(44.6)	(66.9)	94.2
Cash and cash equivalents at beginning of year	189.5	256.4	162.2
Cash and cash equivalents at end of year	\$144.9	\$189.5	\$256.4
Supplemental disclosure of cash flow information			
Cash paid during the year for:			
Interest	\$104.9	\$89.1	\$27.4
Income taxes	\$6.9	\$11.2	\$3.3

The accompanying notes are an integral part of these statements.

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Microsemi
Corporation
Notes to
Consolidated
Financial
Statements

Note 1 Description of business and summary of significant accounting policies

Description of Business

We are a leading designer, manufacturer and marketer of high-performance analog and mixed-signal semiconductor solutions differentiated by power, security, reliability and performance. We offer a comprehensive portfolio of semiconductor and system solutions for aerospace & defense, communications, data center and industrial markets. Products include high-performance and radiation-hardened analog mixed-signal ICs, FPGAs, SoCs and ASICs; power management products; timing and synchronization devices and precise time solutions, setting the world's standard for time; voice processing devices; RF solutions; discrete components; enterprise storage and communication solutions; security technologies and scalable anti-tamper products; Ethernet solutions; Power-over-Ethernet ICs and midspans; as well as custom design capabilities and services.

The principal end markets that we serve include Aerospace & Defense, Communications, Data Center, and Industrial. Today, Microsemi products are found in applications such as: communications infrastructure systems, both wireless and wired LAN systems, implantable pacemakers and defibrillators, radar systems, military and commercial satellites and aircraft, and enterprise storage and hyperscale data centers.

Fiscal Year

We report results of operations on the basis of fifty-two and fifty-three week periods. The fiscal years ended on October 1, 2017 and September 27, 2015 consisted of fifty-two weeks and the fiscal year ended on October 2, 2016, consisted of fifty-three weeks. In referencing a year, we are referring to the fiscal year ended on the Sunday closest to September 30.

Principles of Consolidation and Presentation of Financial Information

The consolidated financial statements include the accounts of Microsemi and our subsidiaries. All intercompany transactions and balances have been eliminated.

Use of Estimates

The preparation of financial statements in conformity with generally accepted accounting principles requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosures of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the respective reporting periods. Actual results could differ from those estimates.

Reclassifications

Certain prior year amounts have been reclassified to conform to current year presentation.

Cash and Cash Equivalents

We consider all short-term, highly liquid investments with an original maturity of three months or less to be cash equivalents.

Accounts Receivable and Allowance for Doubtful Accounts

Trade accounts receivable are recorded at the invoiced amount and do not bear interest. The accounts receivable amount shown in the balance sheet are trade accounts receivable balances at the respective dates, net of allowance for doubtful accounts. The allowance for doubtful accounts is our best estimate of the amount of probable credit losses in our existing accounts receivable. We determine the allowance based in part on our historical write-off experience and specific review of account balances due. Past due balances are reviewed individually for collectability. All other balances are reviewed on a pooled basis by the age of the receivable. Account balances are charged off against the allowance when we determine it is probable the receivable will not be recovered. We review our allowance for doubtful accounts quarterly. We do not have any off-balance-sheet credit exposure related to our customers. To date, our allowance for doubtful accounts has generally been within management's estimates.

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Inventories

Inventories are stated at the lower of cost, as determined using the first-in, first-out method, or market. Costs include materials, labor and manufacturing overhead. We evaluate the carrying value of our inventories taking into account such factors as historical and anticipated future sales compared with quantities on hand and the price we expect to obtain for our products in their respective markets. We also evaluate the composition of our inventories to identify any slow-moving, excess or obsolete products. Additionally, inventory write-downs are made based upon such judgments for any inventories that are identified as having a net realizable value less than their cost, which is further reduced by related selling expenses. The net realizable value of our inventories for ongoing operations has generally been within management's estimates. We have recorded inventory write-downs for discontinued product lines that did not meet gross margin targets, products that are being migrated to newer generations, products that service the large capital spending end markets for which demand has declined, and products related to facility closures.

Fair Value of Financial Assets and Liabilities

Accounting Standards Codification ("ASC") 825 permits entities to elect the fair value option for certain financial assets and financial liabilities. For financial assets or financial liabilities for which an entity elects the fair value option, ASC 825 requires the entity record the financial asset or financial liability at fair value rather than at historical cost with changes in fair value recorded in the income statement. ASC 825-25 requires upfront costs and fees related to items for which the fair value option is elected shall be recognized in earnings as incurred and not deferred.

Fair value is defined as the exchange price that would be received for an asset or paid to transfer a liability in an orderly transaction between market participants on the measurement date. ASC 820 establishes a hierarchy for ranking the quality and reliability of the information used to determine fair values and includes the following classifications:

Level 1: Quoted market prices in active markets for identical assets or liabilities.

Level 2: Observable market based inputs or unobservable inputs that are corroborated by market data.

Level 3: Unobservable inputs that are not corroborated by market data.

The following financial assets and liabilities were measured at fair value on a recurring basis using the type of inputs indicated below and are as follows (amounts in millions):

	Fair Value Measurements		
	Using:		
	Level	Level	Level
Total	1	2	3
	Inputs	Inputs	Inputs

October 1, 2017

Investment in marketable securities	\$ 1.3	\$ 1.3	\$ —	—
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October 2, 2016

Investment in marketable securities	\$ 1.3	\$ 1.3	\$ —	—
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Property and Equipment

Property and equipment are stated at lower of cost or realizable values. Depreciation is computed on the straight-line method over the estimated useful lives of the assets. Leasehold improvements are amortized over the shorter of the lease terms or the estimated useful lives. Maintenance and repairs are charged to expense as incurred and the costs of additions and betterments that increase the useful lives of the assets are capitalized.

Long-Lived Assets

We assess the impairment of long-lived assets whenever events or changes in circumstances indicate their carrying value may not be recoverable from the undiscounted estimated future cash flows expected to result from their use. We are required to make judgments and assumptions in identifying those events or changes in circumstances that may

trigger impairment. Some of the factors we consider include:
Significant decrease in the market value of an asset.

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• Significant changes in the extent or manner for which the asset is being used or in its physical condition including manufacturing plant closures.

- A significant change, delay or departure in our business strategy related to the asset.

• Significant negative changes in the business climate, industry or economic conditions.

• Current period operating losses or negative cash flow combined with a history of similar losses or a forecast indicates continuing losses associated with the use of an asset.

If events or circumstances indicate the carrying amount of a long-lived asset or asset group may not be recoverable and the expected undiscounted future cash flows attributable to the asset group are less than the carrying value, an impairment loss equal to the excess of the carrying value of the assets within the asset group over their fair value is recorded. The appropriate asset group is determined based on the lowest level of largely independent cash inflows and outflows for the related assets. Depending on the nature of the primary assets in the asset group, fair value is estimated using one of several approaches including replacement cost, appraised values, market quotes or estimated expected future cash flows using a discount rate commensurate with the risk involved.

Goodwill and Intangible Assets

We account for goodwill on an impairment-only approach and amortize intangible assets with definite useful lives over the benefit period, which approximates straight-line expense over the respective useful lives. We assess qualitative factors to determine whether it is more likely than not an indefinite-lived intangible asset such as goodwill is impaired as the basis for determining whether a quantitative impairment test is required. We assess definite-lived intangible assets for impairment whenever events or changes in circumstances indicate the carrying value of an asset may not be fully recoverable. Whenever we determine there has been an impairment of goodwill or other intangible assets with indefinite lives, we will record an impairment charge against earnings. We operate as one reporting unit and an impairment charge would equal the excess of the carrying value of goodwill in our one reporting unit over its then fair value. The identification of intangible assets and determination of the fair value and useful lives are subjective in nature and often involve the use of significant estimates and assumptions. The judgments made in determining the estimated useful lives assigned to each class of assets can significantly affect net income. We completed our most recent qualitative analysis during the fourth quarter of 2017 and noted no significant factors existed during the fiscal year to indicate it was more likely than not the fair value of the reporting unit is less than its carrying amount.

Business Combinations

The Company allocates the fair value of the purchase consideration of its acquisitions to the tangible assets, liabilities, and intangible assets acquired, including IPR&D, based on their estimated fair values. Purchase price allocations for business acquisitions require significant judgments, particularly with regards to the determination of value of identifiable assets, liabilities, and goodwill. Often third party specialists are used to assist in area of valuation requiring complex estimation.

The excess of the fair value of purchase consideration over the fair values of these identifiable assets and liabilities is recorded as goodwill. IPR&D is initially capitalized at fair value as an intangible asset with an indefinite life and assessed for impairment thereafter. When a project underlying reported IPR&D is completed, the corresponding amount of IPR&D is reclassified as an amortizable purchased intangible asset and is amortized over the asset's estimated useful life. Acquisition-related expenses are recognized separately from the business combination and are expensed as incurred.

Revenue Recognition, Sales Returns and Allowances

We primarily recognize revenue from customers, including distributors, when title and risk of loss have passed to the customer provided that: 1) evidence of an arrangement exists; 2) delivery has occurred; 3) the fee is fixed or

determinable; and 4) collectability is reasonably assured. For substantially all product sales, revenue is recognized, net of estimated returns and discounts, at the time the product is shipped.

We enter into distribution agreements that permit rights to limited stock rotations, returns, price protection, and volume purchase and other discounts. We provide an estimated allowance for these rights and record a corresponding reduction in revenue. Our estimated allowance is based on several factors including past history and notification from customers of pending activity. Actual activity under such rights have been within management's expectations.

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We also derive a portion of our revenue from fixed-price contracts. Revenue for these contracts is recorded under a percentage of completion method, which is based on the ratio of total costs incurred to date to estimated total costs at completion. Actual costs have been within management's expectations. Gross profit expected to be realized on fixed-price contracts is based on periodic estimates of total revenues and costs for each contract. Losses on contracts are accrued when estimated total costs are expected to exceed total revenues. Occasionally, we will enter into contracts on a cost plus fee basis. We recognize revenue based on reimbursements for actual expenses plus the contractually agreed upon fee with the customer.

Research and Development

We expense the cost of research and development as incurred. Research and development expenses principally comprise payroll and related costs, supplies, and the cost of prototypes.

Restructuring Charges

We recognize a liability for restructuring costs when the liability is incurred. The restructuring accruals are based upon management estimates at the time they are recorded and can change depending upon changes in facts and circumstances subsequent to the date the original liability is recorded. The main components of our restructuring charges are workforce reductions and impairments of excess capacity on facilities and contracts. Workforce-related charges are accrued when it is determined a liability exists, which is generally when individuals have been notified of their expected termination dates and expected severance payments and when formal severance plans exist, when the severance payments are probable and reasonably estimable. The impairments of excess capacity on facilities and contracts results in charges for termination fees, future contractual commitments to pay lease charges net of estimated sublease income, facility remediation costs and moving costs to remove property and equipment from the facilities. We recognize charges for on leased facilities when we have vacated the premises or ceased use of a functionally separate portion of the facility.

Stock-Based Compensation

Compensation expense for restricted shares was calculated based on the service period of the grant and the closing price of our common stock on the date of grant. Restricted shares are subject to forfeiture if a participant does not meet length of service requirements. Restricted stock awards granted to employees typically vest over a three year period and awards granted to non-employee directors vest in accordance with our director compensation policy. Compensation expense for performance stock units was calculated based upon expected achievement of the performance metrics specified in the grant and the closing price of our common stock on the date of grant, or when a grant contains a market condition, the grant date fair value using a Monte Carlo simulation. The Monte Carlo simulation incorporates estimates of the potential outcomes of the market condition on the grant date fair value of each award.

Compensation expense for stock options and stock appreciation rights was calculated based on the on the service period of the grant and the grant date or assumption date fair value using the Black-Scholes pricing model. All stock appreciation rights we have granted or assumed are stock-settled. Stock options and stock appreciation rights are granted at exercise prices equal to the closing price of our common stock on the date of grant. Assumed stock options and stock appreciation rights are granted at exercise prices determined in accordance with the acquisition agreement. Expected life and forfeiture rates were estimated based primarily on historical data that were stratified between members of the Board of Directors, executive employees and all other recipients. Expected volatility was estimated based on historical volatility using equally weighted daily price observations over a period approximately equal to the expected life of each option. The risk free interest rate is based on the implied yield currently available on U.S.

Treasury securities with an equivalent remaining term. No dividends are expected to be paid.

Accounting For Income Taxes

We account for income taxes under the asset and liability method, whereby deferred tax assets and liabilities are recognized for the future tax consequences attributable to differences between the financial statement carrying amounts of existing assets and liabilities and their respective tax bases. Deferred tax assets and liabilities are measured using enacted tax rates expected to apply in the years in which those temporary differences are expected to be recovered or settled. The effect on deferred tax assets and liabilities of a change in tax rates is recognized in income in the period that includes the enactment date. We evaluate the need to establish a valuation allowance for deferred tax assets based upon the amount of existing temporary differences, the period in which they are expected to be recovered and

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expected levels of taxable income. A valuation allowance to reduce deferred tax assets are established when it is more likely than not some or all of the deferred tax assets will not be realized. We recognize uncertain tax positions when they meet a more-likely-than-not threshold. We recognize potential accrued interest and penalties related to unrecognized tax benefits as income tax expense.

We file U.S. federal, state, and foreign income tax returns in jurisdictions with varying statutes of limitations. We establish liabilities for possible assessments by tax authorities resulting from known tax exposures including, but not limited to, international tax issues and certain tax credits. While we believe our reported results are appropriate, any significant adjustments could have a material adverse effect on our results of operations, cash flows and financial position if not resolved within management expectations.

Segment Information

We use the management approach for segment disclosure, which designates the internal organization that is used by management for making operating decisions and assessing performance as the source of our reportable segments. We manage our business on the basis of one reportable segment, as a manufacturer of semiconductors in different geographic areas, including the United States, Europe and Asia.

Foreign Currency

All of our significant subsidiaries outside the United States use the United States dollar ("USD") as their functional currency. For subsidiaries that use USD as the functional currency, assets and liabilities are remeasured to USD at the exchange rate in effect at the balance sheet date except for non-monetary assets and capital accounts which are measured at historical rates; revenues, expenses, gains and losses are remeasured at rates of exchange that approximate the rates in effect at the transaction date. For subsidiaries that use the local currency as the functional currency, all assets and liabilities are translated to USD using exchange rates in effect at the end of the period. Resulting translation gains or losses are recognized as a component of other comprehensive income. We also conduct a relatively small portion of our business in a number of foreign currencies, principally the European Union Euro, Canadian Dollar, British Pound, Israeli Shekel and Chinese Renminbi.

Earnings Per Share

Basic earnings per share have been computed based upon the weighted-average number of common shares outstanding during the respective periods. Diluted earnings per share have been computed, when the result is dilutive, using the treasury stock method for stock awards outstanding during the respective periods. Earnings per share for 2017, 2016 and 2015 were calculated as follows (amounts in millions, except per share data):

	Fiscal Years		
	2017	2016	2015
Basic			
Net (loss) income	\$176.3	\$(32.6)	\$84.6
Weighted-average common shares outstanding	114.9	107.0	94.2
Basic (loss) earnings per share	\$1.54	\$(0.31)	\$0.90
Diluted			
Net (loss) income	\$176.3	\$(32.6)	\$84.6
Weighted-average common shares outstanding for basic	114.9	107.0	94.2
Dilutive effect of stock awards	2.2	—	1.7
Weighted-average common shares outstanding on a diluted basis	117.1	107.0	95.9
Diluted (loss) earnings per share	\$1.51	\$(0.31)	\$0.88

For 2017, there were no stock awards excluded in the computation of diluted earnings per share. For 2016, all stock awards were excluded from the computation of diluted EPS as we reported a net loss. For 2015, 0.2 million awards,

were excluded from the computation of diluted EPS as these stock awards would have been anti-dilutive.

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Concentration of Credit Risk and International Sales

Concentrations of credit risk exist because we rely on a number of customers whose principal sales are to the U.S. Government. Approximately 26% of total net sales in 2017 were in the Aerospace & Defense end market and while we service defense markets outside of the United States, a portion of sales in this end market correlate to sales to U.S. government agencies, customers whose principal sales are to the U.S. government agencies or to subcontractors whose material sales are to the U.S. government agencies. We, as a subcontractor, sell our products to higher-tier subcontractors or to prime contractors based upon purchase orders that usually do not contain all of the conditions included in the prime contract with the U.S. Government. However, these sales are usually subject to termination and/or price renegotiations by virtue of their reference to a U.S. Government prime contract. Therefore, we believe all of our product sales that ultimately are sold to the U.S. Government may be subject to termination, at the convenience of the U.S. Government or to price renegotiations under the Renegotiation Act. In addition, the shutdown of non-essential U.S. Government services in October 2013 and any future government shutdowns may significantly increase the risk of contract terminations or renegotiations. At least one of our contracts has been terminated in the past due to the termination of the underlying government contract. There can be no assurance we will not have contract termination or price renegotiation in the future, and any such termination or renegotiation could have a material adverse impact upon our revenues and results of operations.

In addition, net sales to international markets represent a significant portion of total net sales. Our net sales to international customers represented 67%, 62% and 51% of consolidated net sales for 2017, 2016 and 2015, respectively. These sales were principally to customers in Europe and Asia. We maintain reserves for potential credit losses and such losses have been within management's expectations.

Recently Adopted Accounting Pronouncement

In November 2016, the Financial Accounting Standards Board ("FASB") issued Accounting Standards Update ("ASU") 2016-18 which requires entities to include in their cash and cash-equivalent balances in the statement of cash flows those amounts that are deemed to be restricted cash and restricted cash equivalents. As a result, companies will no longer present transfers between cash and cash equivalents, and restricted cash and restricted cash equivalents in the statement of cash flows. The guidance is effective for annual and interim periods beginning after December 15, 2017. Early adoption is permitted, including adoption in an interim period. We elected to early adopt this ASU and adoption did not impact our consolidated financial statements.

Recently Issued Accounting Standards not yet Adopted

In May 2014, the FASB issued ASU 2014-09 which provides guidance on how an entity should recognize revenue to depict the transfer of promised goods or services to customers in an amount that reflects the consideration to which the Entity expects to be entitled in exchange for those goods or services and on accounting for costs to obtain or fulfill a contract with a customer. The ASU also requires expanded disclosure regarding the nature, amount, timing and uncertainty of revenue that is recognized. In July 2015, the FASB decided to delay the effective date of this ASU by one year. This ASU, as amended, will be effective for the Company beginning in the first quarter of 2019 and can be adopted either full retrospective or modified retrospective with the cumulative effect recognized as of the date of adoption. Early adoption is permitted, but no earlier than 2018. We intend to adopt this ASU on a modified retrospective basis in the first quarter of 2019. We are still in the process of finalizing our analysis on the impact of the provisions of the new standards. Our assessment process consists of reviewing our current accounting policies and practices to identify potential differences that would result from applying the requirements of the new standard to our revenue contracts and identifying appropriate changes to our business processes, systems and controls to support revenue recognition and disclosure requirements under the new standard. Based on our preliminary assessments, we do not expect the new guidance to have a material impact on the nature, amount, and timing of our revenue

recognition. As we continue to assess the impact of the new guidance on our revenue contracts with our customers and finalize our evaluation of any changes to our accounting policies, internal controls and footnote disclosures, we may identify additional areas of impact and may revise the results of our preliminary assessment.

The FASB since issued additional updates of its new standard on revenue recognition issued in May 2014. In March 2016, the FASB issued ASU No. 2016-08, Revenue from Contracts with Customers (Topic 606) - Principal versus Agent Considerations, which clarifies the implementation guidance for principal versus agent considerations in ASU 2014-09. In April 2016, the FASB issued ASU No. 2016-10, Revenue from Contracts with Customers (Topic 606) - Identifying Performance Obligations and Licensing, which amends the guidance in ASU 2014-09 related to identifying

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performance obligations and accounting for licenses of intellectual property. We are currently assessing the adoption and impact of these ASUs on our consolidated financial statements.

In February 2016, the FASB issued ASU No. 2016-02, Leases (Topic 842), which modified lease accounting for both lessees and lessors to increase transparency and comparability by recognizing lease assets and lease liabilities by lessees for those leases classified as operating leases under previous accounting standards and disclosing key information about leasing arrangements. This ASU will be effective for us beginning in the first quarter of 2020 on a modified retrospective basis. Early adoption is permitted. We are currently evaluating the impact of adopting the new lease standard on our consolidated financial statements.

In June 2016, the FASB issued ASU No. 2016-13, Financial Instruments - Credit Losses (Topic 326): Measurement of Credit Losses on Financial Instruments. The ASU requires measurement and recognition of expected credit losses for financial assets held based on historical experience, current conditions, and reasonable and supportable forecasts that affect the collectability of the reported amount. The ASU will be effective for us beginning in the first quarter of fiscal 2021 on a modified retrospective basis and early adoption in 2020 is permitted. We are currently assessing the timing of adoption and impact of this ASU on our consolidated financial statements.

In January 2017, the FASB issued ASU 2017-04, which modifies the goodwill impairment test and requires an entity to write down the carrying value of goodwill up to the amount by which the carrying amount of a reporting unit exceeds its fair value. This ASU will be effective for us beginning in the first quarter of 2021 with early adoption permitted and requires prospective adoption. Since the ASU simplifies the test for goodwill impairment, we do not expect the adoption of the ASU to have a material impact on our financial statements.

In August 2017, the FASB issued ASU 2017-12, which expands and refines hedge accounting for both financial and non-financial risk components, aligns the recognition and presentation of the effects of hedging instruments and hedge items in the financial statements, and includes certain targeted improvements to ease the application of current guidance related to the assessment of hedge effectiveness. The amendments of this ASU are effective for us beginning in the first quarter of 2020, with early adoption permitted. We are currently assessing the impact the timing of adoption and impact of this ASU on our consolidated financial statements.

Note 2 Inventories

Inventories consisted of the following components (amounts in millions):

	October 1, 2017	October 2, 2016
Raw materials	\$ 42.5	\$ 32.8
Work in progress	120.6	112.8
Finished goods	76.0	67.5
	\$ 239.1	\$ 213.1

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Note 3 Property and Equipment

Property and equipment consisted of the following components (dollar amounts in millions):

	Asset Life	October 1, 2017	October 2, 2016
Buildings	20-40 years	\$ 41.8	\$ 37.2
Machinery and equipment	3-10 years	498.8	439.3
Furniture and fixtures	5-10 years	9.0	8.9
Leasehold improvements	Shorter of asset life or life of lease	63.1	62.6
		612.7	548.0
Accumulated depreciation		(427.8)	(382.2)
Land		1.5	1.5
Construction in progress		11.2	7.6
		\$ 197.6	\$ 174.9

Depreciation expense was \$48.7 million, \$46.1 million and \$36.2 million in 2017, 2016 and 2015, respectively.

Note 4 Goodwill and Intangible Assets, Net

Goodwill and intangible assets, net consisted of the following components (dollar amounts in millions):

	October 1, 2017		October 2, 2016		Life
	Gross Carrying Value	Accumulated Amortization	Gross Carrying Value	Accumulated Amortization	(in years)
Amortizable intangible assets					
Completed technology	\$1,076.8	\$ (405.9)	\$907.7	\$ (335.1)	2 to 15
Customer relationships	323.4	(249.6)	338.0	(219.2)	4 to 15
Backlog, trade name and other	8.2	(7.6)	24.9	(22.7)	1 to 5
	\$1,408.4	\$ (663.1)	\$1,270.6	\$ (577.0)	
Non-amortizable intangible assets					
Goodwill	\$2,497.3		\$2,479.4		
In-process research and development	\$7.0		\$241.0		

A reconciliation of our goodwill for the years ended October 1, 2017 and October 2, 2016 is as follows (amounts in millions):

	October 1, 2017	October 2, 2016
Beginning balance	\$2,479.4	\$1,139.3
Additions from acquisitions	10.6	1,472.3
Reductions from divestitures	0.1	(125.0)
Carrying value of goodwill classified as assets held for sale	7.2	(7.2)
Ending balance	\$2,497.3	\$2,479.4

The increase in goodwill is related primarily to an immaterial acquisition completed during the third quarter of 2017.

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Amortization of intangible assets included in operating expenses for each of the three fiscal years in the period ended October 1, 2017 is as follows (amounts in millions):

	2017	2016	2015
Completed technology	\$ 143.7	\$ 108.7	\$ 50.4
Customer relationships	45.7	46.5	44.6
Backlog, trade name and other	2.3	6.0	1.5
	\$ 191.7	\$ 161.2	\$ 96.5

Estimated amortization expense in each of the five succeeding years and thereafter is as follows (amounts in millions):

2018	2019	2020	2021	2022	Thereafter
\$ 165.9	\$ 146.1	\$ 140.8	\$ 140.7	\$ 82.1	\$ 69.7

Note 5 Accrued Liabilities

Accrued liabilities consisted of the following components (amounts in millions):

	October 1, October 2, 2017 2016	
Payroll, bonus and employee benefits	\$ 32.7	\$ 53.8
Interest	24.2	31.2
Deferred revenue	24.0	15.1
Restructuring and severance	16.8	4.6
Licenses	13.6	26.0
Outside services	11.9	12.8
Income, property and sales taxes	11.9	1.1
Warranties	5.6	7.5
Commissions	3.3	4.3
Leases and rent	1.4	2.5
Customer deposits	1.3	1.1
Other	6.7	6.1
	\$ 153.4	\$ 166.1

Note 6 Income Taxes

Pretax income (loss) was generated from the following sources for each of the three fiscal years in the period ended October 1, 2017 (amounts in millions):

	2017	2016	2015
Domestic	\$(110.4)	\$(112.5)	\$(14.9)
Foreign	246.5	87.1	111.8
Total	\$ 136.1	\$(25.4)	\$ 96.9

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The provision for (benefit from) income taxes consisted of the following components for each of the three fiscal years in the period ended October 1, 2017 (amounts in millions):

	2017	2016	2015
Current:			
Federal	\$0.8	\$—	\$—
State	0.6	0.2	0.2
Foreign	12.2	4.3	4.2
Deferred:			
Federal	2.5	4.1	4.6
State	0.4	0.2	—
Foreign	(56.7)	(1.6)	3.3
	\$(40.2)	\$7.2	\$12.3

We recorded a benefit from income taxes of \$40.2 million on pretax income of \$136.1 million in 2017 compared to a provision for income taxes of \$7.2 million on pretax loss of \$25.4 million in 2016 and a provision for income taxes of \$12.3 million on pretax income of \$96.9 million in 2015. For each of these years, the benefit from or provisions for income taxes were primarily due to the tax provision on profitable entities in foreign jurisdictions and U.S. tax provision relating to deferred tax liabilities that will not provide future sources of income to realize deferred tax assets. The tax provisions were offset by tax benefits related to the release of valuation allowances and the reversal of certain deferred tax liabilities. We had cumulative operating losses for the three years ended in 2017 for our U.S. operations and several foreign operations and have provided a full valuation allowance accordingly on certain of our U.S. and foreign net deferred tax assets as we have determined that it is more likely than not that the tax benefits will not be realized in the future.

Our valuation allowance decreased \$77.2 million in 2017 and increased \$205.9 million in 2016. The 2017 decrease was primarily due to the releases of domestic and certain foreign valuation allowances and the remeasurement of deferred tax liabilities, and the 2016 increase was primarily due to increases in net deferred tax assets from operations and acquisitions that are not more likely than not realizable.

We have federal and state net operating losses ("NOLs") of \$526.2 million and \$730.3 million, respectively, that both begin expiring in 2018. We have foreign NOLs of approximately \$144.3 million that begin expiring in 2018. We have federal and state research and experimentation credits of \$103.4 million and \$98.5 million, respectively, that both begin expiring in 2018. We have foreign research and experimentation credits of approximately \$116.9 million that begin expiring in 2018 and incentive deductions of \$34.2 million that carry forward indefinitely. We have federal foreign tax credits of approximately \$34.5 million that begin expiring in 2018. We have federal and state enterprise zone credits and federal and state investment tax credits totaling approximately \$1.9 million that begin expiring in 2018. We have federal alternative minimum tax credits of approximately \$11.2 million that carry forward indefinitely. We have federal and state capital loss carry forwards of \$0.6 million each that both begin expiring in 2019. The utilization of NOLs and credits acquired through an acquisition may be subject to limitations due to change in control. No provision has been made for income taxes on undistributed earnings of certain foreign operations since they have been indefinitely reinvested in those operations (except for insignificant jurisdictions). Determination of the amount of unrecognized deferred tax liability for temporary differences related to these undistributed earnings is not practicable, as such liability is dependent upon a number of factors, including foreign tax credit position that would exist at the time any remittance would occur. During 2017, we reviewed our current cash position and anticipated cash needs for strategic investments in our core business, including accelerated principal payments on certain outstanding debt. Accordingly, in the current year, we continue to reinvest prior year earnings, but changed our assertion to only

reinvest current year earnings from certain foreign jurisdictions. At the end of 2017 and 2016, these undistributed earnings aggregated approximately \$904.3 million and \$793.8 million, respectively.

We have been granted a tax holiday in our subsidiary in Malaysia that has the effect of reducing its net income tax rate to zero in that jurisdiction. The tax holiday was granted in 2009 and is effective through December 2019, subject to continued compliance with the tax holiday's requirements.

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The following is a reconciliation of income tax computed at the federal statutory rate to our actual tax expense for each of the three fiscal years in the period ended October 1, 2017 (amounts in millions):

	2017	2016	2015
Tax computed at federal statutory rate	\$47.6	\$(8.9)	\$33.9
State taxes, net of federal impact	0.5	0.5	(2.1)
Foreign income taxed at different rates	(78.5)	(7.0)	(33.1)
Tax credits and incentives	(8.8)	(10.7)	(5.1)
Stock award compensation	(13.9)	(4.6)	1.3
Unrecognized tax benefits	11.4	30.6	3.7
Sale/transfer of assets	5.6	(45.6)	—
U.S. tax on foreign income	54.7	2.0	1.3
Non-deductible permanent items	—	6.2	0.9
Expiration of tax attributes	20.0	5.0	—
Investment in foreign subsidiaries	(0.2)	2.7	(0.5)
Withholding taxes	—	1.1	(0.3)
Deferred tax remeasurement	(4.0)	—	—
Other differences, net	2.6	0.6	(1.0)
Valuation allowance	(77.2)	35.3	13.3
	\$(40.2)	\$7.2	\$12.3

The tax effected deferred tax assets (liabilities) are comprised of the following components (amounts in millions):

	October 1, 2017	October 2, 2016
Accounts receivable, net	\$ 2.3	\$2.1
Inventories	23.5	18.8
Accrued employee benefit expenses	4.0	10.0
Net operating losses	136.5	216.1
Tax credits and incentives	236.4	238.0
Accrued other expenses	16.0	10.3
Deferred equity compensation	20.7	20.0
Property and equipment, net	6.6	4.4
Debt issuance costs	17.3	20.9
Other assets	12.7	12.3
Total deferred tax assets	476.0	552.9
Intangible assets	(131.1)	(176.8)
Investment in foreign subsidiaries	(2.3)	(2.5)
Total deferred tax liabilities	(133.4)	(179.3)
Less valuation allowance	(379.2)	(456.4)
	\$ (36.6)	\$(82.8)

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A reconciliation of the beginning and ending amount of unrecognized tax benefits is as follows (amounts in millions):

	October 1, 2017	October 2, 2016	September 27, 2015
Beginning gross unrecognized tax benefits	\$ 319.0	\$ 121.8	\$ 97.7
Additions based on tax positions related to the current year	21.8	33.1	3.5
Additions based on current year acquisitions	0.4	132.6	16.2
Additions based on tax positions of prior years	3.4	36.3	4.8
Reductions based on tax positions of prior years	(65.9)	—	—
Reductions for lapses and settlements	(0.2)	(4.8)	(0.4)
Ending gross unrecognized tax benefit	\$ 278.5	\$ 319.0	\$ 121.8

We recognize interest and penalties accrued related to unrecognized tax benefits in tax expense. During the year ended October 1, 2017, we recorded a net reversal of \$4.2 million in interest and penalties and during the years ended October 2, 2016, and September 27, 2015, we recognized \$3.7 million and \$0.7 million, respectively in interest and penalties. The cumulative interest and penalties at October 1, 2017 and October 2, 2016 were \$38.0 million and \$42.2 million, respectively.

Unrecognized tax benefits of \$107.4 million, including interest, at October 1, 2017 would impact the effective tax rate if recognized after the valuation allowance has been released. We anticipate a decrease in gross unrecognized tax benefits of approximately \$18.0 million within the next twelve months based on federal, state, and foreign expirations in various jurisdictions.

We file U.S. federal, state, and foreign income tax returns in jurisdictions with varying statutes of limitations. Tax years 2007 to 2016 generally remain subject to examination by federal and most state tax authorities. In significant foreign jurisdictions, 2007 to 2016 generally remain subject to examination by tax authorities. We establish liabilities for possible assessments by tax authorities resulting from known tax exposures including, but not limited to, international tax issues and certain tax credits. We are currently undergoing an Internal Revenue Service examination for tax years 2007 through 2014. There have been no significant proposed adjustments to date. As of October 1, 2017, the IRS has raised questions primarily relating to transfer pricing. The Company is also currently under tax audit by the Canada Revenue Agency ("CRA") for tax years 2007 through 2008 and 2010 through 2015. The Company closed the CRA audit for tax years 2009 through 2010 in the current year with no changes to the tax as originally reported. As of October 1, 2017, the CRA has raised questions primarily relating to transfer pricing. The Company is also currently under tax audit by the Indian Tax Authorities ("ITA") for tax years 2006 through 2014. The ITA has raised questions primarily related to transfer pricing. Management believes that the Company's position is appropriate and that an adequate provision has been made for any adjustments that may result from tax examinations. However, the outcome of tax examinations cannot be predicted with certainty. If any issues addressed in the Company's tax examinations are resolved in a manner not consistent with management's expectations, the Company would be required to adjust its provision for income tax in the period such resolution occurs. While the Company believes its reported results are accurate, any significant adjustments could have a material adverse effect on the Company's results of operations, cash flows and financial position if not resolved within expectations.

Note 7 Debt

Credit Agreement

On April 25, 2017, we entered into Amendment No. 3 ("Amendment No. 3") to our Credit Agreement dated as of January 15, 2016 (as amended and supplemented, the "Credit Agreement") with Morgan Stanley Senior Funding, Inc. ("MSSF"), as administrative agent and collateral agent, the other agents party thereto and the lenders referred to

therein. Amendment No. 3 provided for, among other things (i) new pricing terms for any revolving loans that may be outstanding from time to time under the Credit Agreement and (ii) new pricing terms for the term loan A facility. The new pricing terms do not vary depending on our consolidated net leverage ratio or any other financial maintenance covenant. Amendment No. 3 also fixed the commitment fee for the unused portion of the revolving credit facility at 0.25%.

On May 17, 2017, we entered into an Increase Revolving Joinder No. 1 to Credit Agreement (the "Increase Revolving Joinder") with respect to an increase in revolving commitments under the Credit Agreement. The Increase Revolving

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Joinder provided for, among other things, a \$50.0 million increase in total revolving commitments (the "Incremental Revolving Commitments") under the Credit Agreement. After giving effect to the Increase Revolving Joinder, the Incremental Revolving Commitments are a part of the revolving credit facility under the Credit Agreement with total commitments in the amount of \$375.0 million.

The Credit Facilities bear interest, at our option, at Base Rate or LIBOR, plus a margin. At October 1, 2017, all principal amounts outstanding were Eurodollar Rate loans and interest rate information were as follows:

	Principal Outstanding	Base Rate	Base Rate Margin	Eurodollar Rate Margin	Applicable Rate
Revolving and swingline loans	\$ —	3.75%	0.75 %	1.75 %	2.98 %
Term loan A	\$ 757.8	3.75%	0.75 %	1.75 %	3.05 %
Term loan B	\$ 794.7	3.75%	1.25 %	2.25 %	3.55 %

Interest for Base Rate loans is calculated on the basis of a 365/366-day year and interest for LIBOR-based loans is calculated on the basis of a 360-day year.

Subject to certain customary exceptions, all of our obligations under the Credit Facilities are unconditionally guaranteed by each of our existing and subsequently acquired or organized direct and indirect wholly-owned domestic subsidiaries whose assets or revenues exceed 5% of the consolidated assets or revenues, as the case may be, of Microsemi and its subsidiaries (the "Guarantors"). Other domestic subsidiaries will be required to become a Guarantor to the extent that domestic subsidiaries excluded from such guarantee obligation represent, in the aggregate, more than 15% of the consolidated assets and more than 15% of the consolidated gross revenues of Microsemi.

The obligations under the Credit Facilities are our and the Guarantors' senior secured obligations collateralized by a lien on substantially all of our personal property and material real property assets, subject in each case to certain customary exceptions (collectively, the "Collateral").

The term loan A facility matures January 15, 2021. The term loan A facility requires quarterly principal payments of 1.25% of the principal amount for the first two years following January 15, 2016 and 2.5% of the principal amount for the remaining term. The term loan B facility matures on January 15, 2023. The term loan B facility requires quarterly principal payments equal to 0.25% of the original principal amount of the term loan B facility. We have made optional principal payments on our term loan B facility such that there are no scheduled principal payments until maturity. Additionally, the Credit Agreement stipulates an annual principal payment of a percentage of Excess Cash Flow ("ECF") (as defined in the Credit Agreement) to repay the term loan B facility. The first ECF application date will be measured as of the end of fiscal year 2017. The ECF percentage is 50% if the consolidated net leverage ratio as of the last day of the fiscal year is greater than 3.00 to 1.00, 25% if the consolidated net leverage ratio as of the last day of the fiscal year is less than or equal to 3.00 to 1.00 but greater than 2.50 to 1.00 and 0% otherwise. The ECF percentage for 2017 is 25%.

During 2017, we incurred financing fees related to the amendments to our Credit Agreement of \$2.5 million, of which \$0.8 million was accounted for as debt modification fees which was recorded in cash flow from operating activities and \$1.7 million was accounted for as debt extinguishment fees which was recorded in cash flows from financing activities. During 2016, we incurred financing fees related to the amendments to our Credit Facility of \$19.1 million, of which \$16.1 million was accounted for as debt modification fees was recorded in cash flow from operating activities and \$3.0 million was accounted for as debt extinguishment fees was recorded in cash flows from financing activities. We recorded a debt extinguishment charge of \$4.5 million as an allocation of credit facility fees to parties exiting the Credit Agreement. We reported debt extinguishment charges in other expense, net in our Consolidated Statement of Operations and Comprehensive Income (Loss). Debt issuance costs recorded as a reduction to principal

outstanding in the condensed consolidated balance sheets were \$35.1 million as of October 1, 2017 and \$44.0 million as of October 2, 2016.

Our Credit Agreement contains financial covenants including a maximum consolidated net leverage ratio and minimum fixed charge coverage ratio and also contains other customary affirmative and negative covenants and events of default. We were in compliance with our covenants as of October 1, 2017.

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Senior Unsecured Notes

On January 15, 2016, we completed the sale of \$450.0 million of our 9.125% senior unsecured notes due April 2023 to qualified institutional buyers and pursuant to Regulation S in a private offering exempt from the registration requirements of the Securities Act of 1933, as amended. The Notes were issued under an indenture, dated January 15, 2016, among Microsemi, the subsidiaries of Microsemi party thereto as note guarantors (the "Note Guarantors"), and U.S. Bank National Association, as trustee (the "Indenture").

The Notes accrue cash interest at a rate of 9.125% per year, payable semi-annually on April 15 and October 15 of each year. The Notes mature on April 15, 2023. We may redeem the Notes, and the holders of the Notes may require us to repurchase the Notes, prior to this date of maturity in certain circumstances pursuant to the terms and conditions of the Indenture. The Indenture contains customary affirmative and negative covenants and events of default.

On May 25, 2017, we repurchased a portion of our Notes with an aggregate principal amount of \$170.8 million for a purchase price of \$201.7 million, including accrued interest. This resulted in a loss on extinguishment of debt of \$32.5 million, including the associated unamortized financing costs.

The Notes are our general senior unsecured obligations and rank equal in right of payment with all of our existing and future senior unsecured obligations, are senior in right of payment to all of our future subordinated indebtedness, if any, are structurally subordinated to all of our existing and future obligations, claims of holders of preferred stock and other liabilities of our subsidiaries that do not guarantee the Notes and are effectively subordinated in right of payment to all of our senior secured indebtedness (including our obligations under the Credit Facilities) to the extent of the value of the assets securing such obligations. The Notes are unconditionally guaranteed, jointly and severally, on a senior unsecured basis by all of our subsidiaries that guarantee the Credit Agreement. Each guarantee of the Notes is the general senior unsecured obligation of the Note Guarantors and is effectively subordinated to the senior secured obligations of the Note Guarantors (including the Note Guarantors' obligations under the Credit Facilities) to the extent of the value of the assets securing such obligations, are equal in right of payment to all existing and future unsecured obligations of the Note Guarantors that are not, by their terms, expressly subordinated in right of payment to the Notes and rank senior in right of payment to all future obligations, if any, of the Note Guarantors that are by their terms, expressly subordinated in right of payment to the guarantors.

Fair Value of Debt

As of October 1, 2017, the fair value of principal outstanding on the credit facilities and Notes were as follows (amounts in millions):

	Principal outstanding	Fair value
Credit facilities	\$ 1,552.5	\$ 1,552.6
Notes	279.2	319.0
Total debt	\$ 1,831.7	\$ 1,871.6

Note 8 Other Long-Term Liabilities

Other long-term liabilities consisted of (amounts in millions):

	October 1, 2017	October 2, 2016
Unrecognized tax benefits	\$ 71.1	\$ 70.6
Deferred rent	13.5	17.2
Pension and retirement	14.4	14.2
Restructuring	3.5	4.2
Other	7.5	9.6

Total \$ 110.0 \$ 115.8

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Note 9 Stock-Based Compensation

Stock Based Compensation

In February 2016, our stockholders approved amendments to the Microsemi Corporation 2008 Performance Incentive Plan (the "2008 Plan"). The amendments a) increased the share limit by an additional approximately 4.8 million shares so that the amended aggregate share limit for the 2008 Plan is approximately 41.8 million shares; b) extended the term of the 2008 Plan to December 2, 2025; c) limited the grant date value of awards that may be granted to non-employee directors under the 2008 Plan during any one calendar year to \$0.4 million (or \$0.6 million as to any newly elected or appointed non-employee director or a non-employee director serving as chairman of the Board or lead independent director); and d) extended the Company's authority to grant awards under the 2008 Plan intended to qualify as "performance-based awards" within the meaning of Section 162(m) of the U.S. Internal Revenue Code through the first annual meeting of stockholders that occurs in 2021. For every one share issued in connection with a full value award (such as a restricted stock award, and as defined in the 2008 Plan), 2.41 shares will be counted against the share limit.

Except as described in this paragraph, shares that are subject to or underlie awards which expire or for any reason, are canceled or terminated, are forfeited, fail to vest, or for any other reason are not paid or delivered under the 2008 Plan will again be available for subsequent awards under the 2008 Plan. Shares exchanged by a participant or withheld by the Company as full or partial payment in connection with any award granted under the 2008 Plan that is a full-value award, as well as any shares exchanged by a participant or withheld by the Company or one of its subsidiaries to satisfy the tax withholding obligations related to any full-value award granted under the 2008 Plan will be available for subsequent awards under the 2008 Plan. Shares exchanged by a participant or withheld by the Company to pay the exercise price of a stock option or stock appreciation right granted under the 2008 Plan, as well as any shares exchanged or withheld to satisfy the tax withholding obligations related to any such award, will not be available for subsequent awards under the 2008 Plan.

Awards authorized by the 2008 Plan include options, stock appreciation rights, restricted stock, stock bonuses, stock units, performance share awards, and other cash or share-based awards. The shares issued under the 2008 Plan may be newly issued or shares held by Microsemi as treasury stock. The maximum term of a stock option grant or a stock appreciation right granted under the 2008 Plan is 6 years.

Stock-based compensation expense was \$89.0 million, \$101.0 million and \$49.8 million in 2017, 2016 and 2015, respectively. At October 1, 2017, unamortized compensation expense related to unvested stock awards was \$75.1 million. The weighted average period over which compensation expense related to these grants will be recognized is 1.3 years.

Remaining share-units available for grant, assuming the issuance of performance units at target, at October 1, 2017, October 2, 2016 and September 27, 2015 under the 2008 Plan were 7.7 million, 12.3 million and 11.7 million, respectively.

Restricted Shares

Compensation expense for restricted shares was calculated based on the closing price of our common stock on the date of grant and the restricted shares are subject to forfeiture if a participant does not meet length of service requirements. Restricted stock awards granted to employees typically vest over a three year period and awards granted to non-employee directors vest in accordance with our director compensation policy.

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Activity and price information related to restricted stock awards are as follows (quantity in millions):

	Quantity	Weighted-Average Grant Price
Outstanding at September 28, 2014	3.1	
Assumed from acquisition	0.3	\$ 33.01
Granted	1.3	\$ 29.37
Vested	(1.5)	
Forfeited	(0.2)	
Outstanding at September 27, 2015	3.0	
Assumed from acquisition	1.9	\$ 29.77
Granted	1.3	\$ 32.15
Vested	(2.1)	
Forfeited	(0.5)	
Outstanding at October 2, 2016	3.6	
Granted	1.6	\$ 47.35
Vested	(2.2)	
Forfeited	(0.2)	
Outstanding at October 1, 2017	2.8	

In connection with the acquisitions of Vitesse in 2015 and PMC in 2016, we assumed restricted shares and converted them to Microsemi awards in accordance with the respective merger agreements.

Stock Units with Performance and Market Conditions

Compensation expense for performance stock units with performance and market conditions was calculated based upon expected achievement of the performance metrics specified in the grant and the closing price of our common stock on the date of grant, or when a grant contains a market condition, the grant date fair value using a Monte Carlo simulation which incorporates estimates of the potential outcomes of the market condition on the fair value date of each award.

Performance units with performance and market conditions are eligible to vest based on our rate of growth for net sales and earnings per share (subject to certain adjustments) relative to the growth rates for that metric over the relevant performance period for a peer group of companies. The performance period for each grant is over three fiscal years and portion of the performance units may vest based on performance after each fiscal year of the performance period.

For the 2015, 2016 and 2017 grants, 70% of each performance-based award opportunity will be subject to the net sales metric for the performance period and 30% will be subject to the earnings per share metric for the performance period. The maximum percentage for a particular metric is 225% of the "target" number of units subject to the award related to that metric. The maximum percentage is further adjusted by our total shareholder return relative to a peer group selected by the Compensation Committee. The maximum adjustment is 120% for the 2015, 2016 and 2017 grants.

Stock Units with Market Conditions

In July 2016, the Compensation Committee (the "Committee") of the Board of Directors of the Company approved a long-term incentive equity award for our chief executive officer consisting of 1,000,000 restricted stock units ("RSUs") awarded under the Company's 2008 Plan. Under the award agreement, the vesting of the RSUs is contingent on the Company's stock price achieving specified levels during the five-year period after the date of grant of the award (the "performance period") as follows:

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Stock Price Level	Percentage of Total Award That Vests
\$50.00	25%
\$60.00	50%
\$70.00	25%

For a stock price level to be considered achieved, the closing price of the Company's common stock (together with any dividends paid on a share of the Company's stock after the grant date of the award) must equal or exceed that level for a period of at least 20 consecutive trading days. A stock price level will also be considered achieved if, during the performance period, a change in control of the Company occurs after which the Company does not survive as a public company (a "Sale of the Company") and the per-share price of the Company's common stock in the Sale of the Company (together with any dividends paid on a share of the Company's stock after the grant date of the award) equals or exceeds that level. In each case, the vesting of the award is subject to Mr. Peterson's continued employment with the Company through the date the applicable stock price level is met. The first tranche of this award (corresponding to a stock price level of \$50.00 per share for a period of 20 consecutive days) vested on December 9, 2016.

The award is also eligible to vest in connection with certain "acceleration events" as described below. If, during the first year of the performance period, an acceleration event occurs and the award has not yet vested as to at least 160,000 RSUs, the award will accelerate on the event to the extent necessary so that 160,000 RSUs are vested on the event. If an acceleration event occurs during the performance period but after the first year of the performance period and the award has not yet vested as to at least 320,000 RSUs, the award will generally accelerate on the occurrence of the event to the extent necessary so that 320,000 RSUs are vested upon such event. If, however, an acceleration event occurs during the performance period but after the first year of the performance period, and the award has not yet vested as to at least 500,000 RSUs and the average closing price of the Company's common stock for the period of 20 consecutive trading days ending with the date of the acceleration event (or, in the case of an acceleration event that is a Sale of the Company, the per-share sale price of the Company's stock, and in each case together with any dividends paid on a share of the Company's stock after the grant date) equals or exceeds \$50.00, the award will accelerate on occurrence of the event to the extent necessary so that 500,000 RSUs are vested upon such event. For these purposes, an "acceleration event" is either a change in control of the Company (whether or not the transaction constitutes a Sale of the Company) or a termination of our chief executive officer's employment by the Company without cause, by our chief executive officer for good reason or as a result of our chief executive officer's death or disability (as such terms are defined in the award agreement). In no event will the award vest as to more than 100% of the RSUs subject to the award (with the RSUs under the award being subject in each case to customary adjustments for stock splits and similar events).

Activity and price information related to performance units are as follows (quantity reported at target and in millions):

	Quantity
Outstanding at September 28, 2014	0.7
Granted	0.3
Vested	(0.3)
Outstanding at September 27, 2015	0.7
Granted	1.5
Vested	(0.5)
Outstanding at October 2, 2016	1.7
Granted	0.2
Vested	(0.5)
Outstanding at October 1, 2017	1.4

Stock Options and Stock Appreciation Rights

Compensation expense for stock options and stock appreciation rights was calculated based on the grant or assumption date using the Black-Scholes pricing model. All stock appreciation rights we have granted or assumed are stock-settled. Stock options and stock appreciation rights are granted at exercise prices equal to the closing price of our common stock on the date of grant. Assumed stock options and stock appreciation rights are granted at exercise prices

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determined in accordance with the applicable merger agreement. Expected life and forfeiture rates were estimated based primarily on historical data that were stratified between members of the Board of Directors, executive employees and all other recipients. Expected volatility was estimated based on historical volatility using equally weighted daily price observations over a period approximately equal to the expected life of each option. The risk free interest rate is based on the implied yield currently available on U.S. Treasury securities with an equivalent remaining term. No dividends are expected to be paid.

Activity and price information related to stock options and stock appreciation rights are as follows (quantity and intrinsic value in millions):

	Quantity	Weighted-Average Exercise Price	Intrinsic Value	Weighted Average Remaining Life (Years)
Outstanding at September 28, 2014	2.7	\$ 22.70	\$ 7.4	2.0
Assumed from acquisition	0.2	\$ 24.18		
Exercised	(2.1)	\$ 23.83	\$ 15.8	
Forfeited	(0.1)	\$ 23.90		
Outstanding at September 27, 2015	0.7	\$ 19.60	\$ 9.1	4.0
Exercised	(0.2)	\$ 21.16		
Forfeited	—	\$ 21.44		
Outstanding at October 2, 2016	0.5	\$ 18.75	\$ 10.7	3.5
Exercised	(0.2)	\$ 18.98		
Forfeited	—	\$ 21.63		
Outstanding at October 1, 2017	0.3	\$ 18.59	\$ 10.2	2.78
Exercisable at October 1, 2017	0.3	\$ 18.38	\$ 10.0	2.67
Exercisable and expected to vest after October 1, 2017	0.3	\$ 18.59	\$ 10.2	2.78

In connection with the acquisition of Vitesse in 2015, we assumed stock options and converted them to Microsemi awards in accordance the merger agreement.

Quantity and weighted-average exercise prices related to stock options and stock appreciation rights outstanding as of October 1, 2017 and stratified by exercise price are as follows (quantity in millions):

Exercise Price	Exercisable		Outstanding	
	Quantity	Weighted-Average Exercise Price	Quantity	Weighted-Average Exercise Price
Less than or equal to \$20.00	0.2	\$ 14.16	0.2	\$ 14.17
Greater than \$20.00	0.1	\$ 25.42	0.1	\$ 25.49
	0.3	\$ 18.38	0.3	\$ 18.59

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Note 10 Employee Benefit Plans

We sponsor 401(k) savings plans whereby participating employees may elect to contribute up to 50% of their eligible wages up to the statutory contribution limit. Employees 50 years of age and older may contribute a further 75% of their eligible wages up to the statutory contribution limit. During 2017, employer contributions were \$4.4 million. In certain entities outside the United States, we provide defined-benefit and defined contribution plans, many in accordance with local regulations. We typically deposit employer contributions with third party trustees, insurance trust funds, or government-managed accounts.

We assumed pension plans in Germany related to an acquisition in 2012 and an acquisition in 2016 that covers certain German employees with over ten years of active service and provides benefits based on length of service and final pensionable earnings. There are no segregated pension fund assets under either of the plans assumed. The 2012 pension liability is insured and we have pledged the insurance contracts to the pensioners. Accordingly, the contracts are now considered to be a plan asset. As the plan assets are insurance contracts, the Company does not control the investment strategy and thus cannot influence the return on investments. The insurance payments are guaranteed by the insurer and should the insurer default on its obligation, the security fund for insurance companies in Germany would assume the contracts. The 2016 pension liability is not insured. As of October 1, 2017, the fair value of the pension plan assets from the 2012 acquisition was \$4.3 million and the fair value of the pension plan benefit obligations from 2012 and 2016 acquisitions were \$6.6 million and \$3.9 million, respectively. During 2016, we recorded an unrealized actuarial loss on pension benefits of \$3.9 million in other comprehensive income due to a reduction in the discount rate assumption used to determine benefit obligations from 2.1% to 1.0% and 2.8% to 1.6% from the 2012 and 2016 acquisitions respectively. There are no employer contributions expected in the next twelve months.

Note 11 Commitments and Contingencies

Operating Leases

We occupy premises and lease equipment under operating lease agreements expiring through 2029. The aggregate undiscounted future minimum rental payments under these leases are as follows (amounts in millions):

2018	2019	2020	2021	2022	Thereafter
\$27.7	\$25.3	\$23.3	\$17.4	\$9.8	\$ 14.6

Lease expense charged to income was \$27.5 million in 2017, \$23.7 million in 2016 and \$21.5 million in 2015.

Contingencies

We are generally self-insured for losses and liabilities related to workers' compensation and employer's liability insurance. Accrued workers' compensation liability was \$1.6 million and \$1.7 million at October 1, 2017 and October 2, 2016, respectively. Our self-insurance accruals are based on estimates and, while we believe the amounts accrued are adequate, the ultimate claims may be in excess of the amounts provided.

We are involved in pending litigation, administrative and similar matters arising out of the normal conduct of our business, including litigation relating to acquisitions, employment matters, commercial transactions, contracts, environmental matters and matters related to compliance with governmental regulations. The ultimate aggregate amount of monetary liability or financial impact with respect to these matters is subject to many uncertainties and is therefore not predictable with assurance. In the opinion of management, the final outcome of these matters, if they are adverse, will not have a material adverse effect on our financial position, results of operations or cash flows. However, there can be no assurance with respect to such result, and monetary liability, financial impact or other sanctions

imposed on us from these matters could differ materially from those projected.

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 Note 12 Restructuring and Severance Charges

The following table reflects the related restructuring activities and the accrued liabilities at the dates below (amounts in millions):

	Employee Severance	Contract Termination Costs	Other Associated Costs	Total
Balance at October 2, 2016	\$ 2.5	\$ 4.6	\$ 0.4	\$7.5
Provisions	15.0	6.7	1.9	23.6
Reversal of prior provision	(0.3)	(0.1)	—	(0.4)
Cash expenditures	(8.6)	(3.2)	(0.4)	(12.2)
Other non-cash settlement	(0.1)	0.4	(0.2)	0.1
Balance at October 1, 2017	\$ 8.5	\$ 8.4	\$ 1.7	\$18.6

We recorded net provisions for employee severance of \$14.7 million for 2017. The non-cash settlement of employee severance relates to the acceleration of restricted stock awards in connection with the acquisition of PMC. Employee severance covered individuals in engineering, manufacturing, administration and sales and is expected to be paid within the next twelve months.

We recorded provisions for contract termination costs of \$6.7 million for 2017, primarily for the fair value at the cease-use date of operating lease liabilities for space we have exited. Facilities consisted primarily of sales, engineering and administrative space, as well as manufacturing space. We recorded a \$0.1 million reversal of prior provision related to a facility lease termination that was settled at an amount less than estimated.

We recorded net provisions for other associated costs for restructuring of \$1.9 million for 2017, which consisted of facility and equipment impairments and facility relocation costs.

 Note 13 Segment Information

We manage our business on the basis of one reportable segment, as a manufacturer of semiconductors in different geographic areas, including the United States, Europe and Asia. We derive revenue from sales of our high-performance analog/mixed-signal ICs and power and high-reliability individual component semiconductors. These products include individual components as well as IC solutions that enhance customer designs by improving performance, reliability and battery optimization, reducing size or protecting circuits. The principal markets we serve include Aerospace & Defense, Communications, Data Center, and Industrial. We evaluate sales by end-market based on our understanding of end market uses of our products.

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Net sales based on a customer's ship-to location and by estimated end market are as follows (amounts in millions):

	2017	2016	2015
United States	\$597.8	\$628.2	\$610.0
Europe	230.7	222.8	189.8
Asia	922.0	749.2	399.7
Other	61.3	54.8	46.1
Total	\$1,811.8	\$1,655.0	\$1,245.6

Aerospace & Defense	\$473.4	\$495.4	\$527.2
Communications	641.0	618.0	439.8
Data Center	421.4	276.9	11.9
Industrial	276.0	264.7	266.7
Total	\$1,811.8	\$1,655.0	\$1,245.6

As a percentage of consolidated net sales, customers with a ship-to location in Hong Kong totaled 19% in 2017, 18% in 2016 and 12% in 2015. The geographic location of distributors and third-party manufacturing service providers may be different from the geographic location of the ultimate end users. We believe a substantial portion of the products billed to these customers are ultimately shipped to end markets in the United States and Europe.

Property and equipment, net by geographic area are as follows (amounts in millions):

	2017	2016	2015
United States	\$138.9	\$119.2	\$117.6
Europe	18.3	16.4	13.9
Asia	23.1	22.6	18.9
Other	17.3	16.7	2.3
Total	\$197.6	\$174.9	\$152.7

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Note 14 Unaudited Selected Quarterly Financial Data

Selected quarterly financial data are as follows (amounts in millions, except earnings (loss) per share):

	Quarters ended in fiscal year 2017			
	October 2017	July 2017	April 2017	January 2017
Net sales	\$475.3	\$458.1	\$442.9	\$ 435.5
Cost of sales (excluding amortization of intangible assets)	\$171.2	\$165.4	\$158.8	\$ 158.9
Gross profit	\$304.1	\$292.7	\$284.1	\$ 276.6
Net income	\$102.0	\$13.6	\$41.2	\$ 19.5
Basic earnings per share	\$0.88	\$0.12	\$0.36	\$ 0.17
Diluted earnings per share	\$0.87	\$0.12	\$0.35	\$ 0.17
	Quarters ended in fiscal year 2016			
	October 2016	July 2016	April 2016	January 2016
Net sales	\$450.1	\$431.4	\$444.3	\$ 329.2
Cost of sales (excluding amortization of intangible assets)	\$168.3	\$164.5	\$243.7	\$ 141.4
Gross profit	\$281.8	\$266.9	\$200.6	\$ 187.8
Net income (loss)	\$40.5	\$115.2	\$(212.0)	\$ 23.7
Basic earnings (loss) per share	\$0.36	\$1.03	\$(1.93)	\$ 0.25
Diluted earnings (loss) per share	\$0.35	\$1.00	\$(1.93)	\$ 0.25

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Note 15 Subsequent Event

On October 26, 2017, we entered into a definitive agreement to acquire the high performance timing business of Vectron International, a Knowles company, for \$130 million. The transaction is subject to customary closing conditions and is currently expected to close in the first quarter of 2018.

SCHEDULE II—VALUATION AND QUALIFYING ACCOUNTS

(amounts in millions)

Column A	Column B	Column C	Column D	Column E	Column F
Classification	Balance at beginning of period	Charged to costs and expenses	Charged to other accounts	Deductions- recoveries and write-offs	Balance at end of period
Accounts receivable allowance					
September 27, 2015	\$ 22.2	\$ 3.1	\$ 0.7	\$	—\$ 26.0
October 2, 2016	\$ 26.0	\$ 9.0	\$ 6.7	\$	—\$ 41.7
October 1, 2017	\$ 41.7	\$ 2.1	\$ —	\$	—\$ 43.8
Tax valuation allowance					
September 27, 2015	\$ 218.9	\$ 13.3	\$ 18.4	\$	—\$ 250.6
October 2, 2016	\$ 250.6	\$ 35.3	\$ 170.5	\$	—\$ 456.4
October 1, 2017	\$ 456.4	\$ (77.2)	\$ —	\$	—\$ 379.2

ITEM 9. CHANGES IN AND DISAGREEMENTS WITH ACCOUNTANTS ON ACCOUNTING AND FINANCIAL DISCLOSURE

Inapplicable

ITEM 9A. CONTROLS AND PROCEDURES

(a) Evaluation of disclosure controls and procedures.

As of October 1, 2017, under the supervision and with the participation of the Company's management, including the Company's Chief Executive Officer and Chief Financial Officer, the Company carried out an evaluation of the effectiveness of the design and operation of the Company's disclosure controls and procedures as defined in Exchange Act Rules 13a-15(e) and 15d-15(e). These disclosure controls and procedures are designed to ensure the information required to be disclosed by the Company in the reports it files or submits under the Exchange Act is recorded, processed, summarized and reported within the time periods specified by the SEC's rules and forms, and the information is accumulated and communicated to the Company's management, including the Chief Executive Officer and Chief Financial Officer, as appropriate to allow timely decisions regarding required disclosure.

Based upon their evaluation, the Chief Executive Officer and Chief Financial Officer concluded the Company's disclosure controls and procedures were effective as of October 1, 2017.

(b) Changes in internal control over financial reporting.

There have been no changes in the Company's internal control over financial reporting during the fiscal quarter ended October 1, 2017 that have materially affected, or are reasonably likely to materially affect, the Company's internal control over financial reporting.

(c) Management's Report on Internal Control over Financial Reporting.

Management is responsible for establishing and maintaining adequate internal control over financial reporting. Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risks that controls may become inadequate because of changes in conditions or that the degree of compliance with the policies or procedures may deteriorate.

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Under the supervision and with the participation of management, including the Company's Chief Executive Officer and Chief Financial Officer, the Company conducted an evaluation of the effectiveness of its internal control over financial reporting as defined in Exchange Act Rules 13a-15(f) and 15d-15(f) based on criteria established in Internal Control – Integrated Framework (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO). Based on the Company's evaluation, management concluded that the Company's internal control over financial reporting was effective as of October 1, 2017.

PricewaterhouseCoopers LLP, the Company's independent registered public accounting firm that audited the consolidated financial statements included in this Annual Report on Form 10-K, has audited the effectiveness of the Company's internal control over financial reporting, as stated within their report which appears herein.

ITEM 9B. OTHER INFORMATION

On September 5, 2017, we appointed Richard M. Beyer to our Board of Directors. Concurrent with his appointment as a director, Mr. Beyer was appointed to the Governance and Nominating Committee of the Board. There are no arrangements or understandings between Mr. Beyer and any other person pursuant to which Mr. Beyer was appointed to serve on the Board. Mr. Beyer has no direct or indirect material interest in any transaction required to be disclosed pursuant to Item 404(a) of Regulation S-K.

Mr. Beyer will receive compensation for his services as a director in accordance with our standard compensation program for non-employee directors, which is summarized in Exhibit 10.12 to our Annual Report on Form 10-K for our fiscal year ended October 2, 2016, as filed with the SEC on November 16, 2016.

In connection with the appointment, we entered into an indemnification agreement with Mr. Beyer, the terms of which are identical in all material respects to the form of indemnification agreement that we have previously entered into with each of our directors, which was filed as Exhibit 10.1 to our Current Report on Form 8-K as filed with the SEC on September 3, 2008.

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PART
III

The Company intends to file a definitive proxy statement with the Securities and Exchange Commission pursuant to Regulation 14A within 120 days after the Company's fiscal year ended October 1, 2017. Except to the extent set forth below, the information required by Items 10, 11, 12, 13 and 14 will be set forth in that definitive proxy statement and such information is hereby incorporated by reference into such respective items in this Annual Report on Form 10-K.

ITEM 10. DIRECTORS, EXECUTIVE OFFICERS AND CORPORATE GOVERNANCE

Except as provided below, the information required by this item is incorporated by reference from the Company's Proxy Statement for the 2018 Annual Meeting of Stockholders under the headings "Election of Directors," "Executive Officers," "Corporate Governance, Board Meetings and Committees," and "Section 16(a) Beneficial Ownership Reporting Compliance."

Our Board has adopted a Code of Ethics that applies to all of our employees, directors and officers, including our principal executive officer, principal financial officer, principal accounting officer and other senior financial officers. The Code of Ethics, as applied to our principal executive officer, principal financial officer and principal accounting officer, constitutes our "code of ethics" within the meaning of Section 406 of the Sarbanes-Oxley Act and is our "code of conduct" within the meaning of the listing standards of the Nasdaq Stock Market.

Our Code of Ethics is available on our website under the Corporate Governance section of the Investors tab at <http://www.microsemi.com>. You may request copies of this document, which will be provided free of charge, by writing to Investor Relations, Microsemi Corporation, One Enterprise, Aliso Viejo, California 92656. In addition, waivers from, and amendments to, our Code of Ethics that apply to our directors and executive officers, including our principal executive officer, principal financial officer, principal accounting officer or persons performing similar functions, will be timely posted on our website under the Corporate Governance section of the Investors tab at <http://www.microsemi.com>.

**ITEM 11. EXECUTIVE
COMPENSATION**

The information required by this item is incorporated by reference from the Company's Proxy Statement for the 2018 Annual Meeting of Stockholders under the headings "Executive Compensation" and "Director Compensation," "Compensation Committee Interlocks and Insider Participation," and "Report of the Compensation Committee."

**ITEM 12. SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT AND
RELATED STOCKHOLDER MATTERS**

The information required by this item is incorporated by reference from the Company's Proxy Statement for the 2018 Annual Meeting of Stockholders under the heading "Security Ownership of Certain Beneficial Owners and Management" and "Equity Compensation Plan Information."

ITEM 13. CERTAIN RELATIONSHIPS AND RELATED TRANSACTIONS, AND DIRECTOR INDEPENDENCE

The information required by this item is incorporated by reference from the Company's Proxy Statement for the 2018 Annual Meeting of Stockholders under the heading "Corporate Governance, Board Meetings and Committees" and "Transactions with Related Persons."

ITEM 14. PRINCIPAL ACCOUNTING FEES AND SERVICES

The information required by this item is incorporated by reference from the Company's Proxy Statement for the 2018 Annual Meeting of Stockholders under the heading "Audit Matters."

PART

IV

ITEM 15. EXHIBITS AND FINANCIAL STATEMENT SCHEDULES

(a) 1. Financial Statements. See Index under Item 8.

2. Financial Statement Schedule. See Index under Item 8.

(b) Exhibits

Exhibit
Number

Description

<u>3.1</u>	Amended and Restated Certificate of Incorporation of Microsemi Corporation (1)*
<u>3.2</u>	Fourth Amended & Restated Bylaws of Microsemi Corporation (2)
<u>4.1</u>	Specimen certificate for the shares of common stock of Microsemi Corporation (3)
<u>4.2</u>	Indenture, dated as of January 15, 2016, among Microsemi Corporation, the guarantors named therein and U.S. Bank National Association, as trustee (4)
<u>4.3</u>	First Supplemental Indenture, dated as of January 15, 2016, among Microsemi Corporation, the guarantors named therein and U.S. Bank National Association, as trustee (5)
<u>10.2</u>	Microsemi Corporation 2008 Performance Incentive Plan, as amended (6)*
<u>10.2.1</u>	Form of Notice of Grant of Restricted Stock Award and Terms and Conditions under 2008 Performance Incentive Plan (7)*
<u>10.2.2</u>	Form of Performance Stock Unit Award Agreement - Fiscal 2015-2017 (8)*
<u>10.2.3</u>	Form of Performance Stock Unit Award Agreement - Fiscal 2016-2018 (9)*
<u>10.2.4</u>	Form of Performance Stock Unit Award Agreement - Fiscal 2017-2019†*
<u>10.2.5</u>	Performance Stock Unit Award Agreement dated July 26, 2016 between James J. Peterson and Microsemi Corporation (10)*
<u>10.3</u>	Fiscal 2017 Executive Non-Equity Incentive Plan†*
<u>10.4</u>	Executive Retention Agreement dated March 31, 2009 between James J. Peterson and Microsemi Corporation (11)*
<u>10.5</u>	Executive Retention Agreement dated March 31, 2009 between John W. Hohener and Microsemi Corporation (12)*

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- 10.6 Executive Retention Agreement dated September 17, 2015 between Paul H. Pickle and Microsemi Corporation (13)*
- 10.7 Form of Executive Retention Agreement dated September 17, 2015 for Steven G. Litchfield and David Goren (14)*
- 10.8 Form of Amendment to Executive Retention Agreement for Certain Named Executive Officers to Address Section IRC Section 409A Considerations (15)*
- 10.9 Summary of Compensation Arrangements for Named Executive Officers (16)*
- 10.10 Directors' Compensation Policy (17)*
- 10.11 Form of Officers and Directors Indemnification Agreement (18)*
- 10.12 Settlement Agreement dated July 8, 1998 by and between Microsemi Corp. - Colorado, FMC Corporation, Siemens Microelectronics, Inc. and Coors Porcelain Company (19)
- 10.13 Credit Agreement, dated as of January 15, 2016, among Microsemi Corporation, Morgan Stanley Senior Funding, Inc., as administrative agent and collateral agent, the other agents party thereto and the lenders referred to therein (20)
- 10.13.1 Amendment No. 1 to Credit Agreement, dated as of June 29, 2016, among Microsemi Corporation, the subsidiary guarantors party thereto, the lenders party thereto and Morgan Stanley Senior Funding, Inc., as administrative agent (21)
- 10.13.2 Amendment No. 2 to Credit Agreement, dated as of January 25, 2017, among Microsemi Corporation, the subsidiary guarantors party thereto, the lenders party thereto and Morgan Stanley Senior Funding, Inc., as administrative agent (22)
- 10.13.3 Amendment No. 3 to Credit Agreement, dated as of April 25, 2017, among Microsemi Corporation, the subsidiary guarantors party thereto, the lenders party thereto and Morgan Stanley Senior Funding, Inc., as administrative agent (23)
- 10.13.4 Increase Revolving Joinder No. 1 to Credit Agreement, dated as of May 17, 2017, among Microsemi Corporation, the incremental lenders party thereto and Morgan Stanley Senior Funding, Inc., as administrative agent, issuing lender and swingline lender (24)
- 10.14.1 Increase Term Joinder, dated as of June 29, 2016, among Microsemi Corporation, the incremental lenders party thereto and Morgan Stanley Senior Funding, Inc., as administrative agent (25)
- 10.14.2 Increase Term Joinder No. 2 to Credit Agreement, dated as of January 25, 2017, among Microsemi Corporation, the incremental lenders party thereto and Morgan Stanley Senior Funding, Inc., as administrative agent (26)
- 21 List of Subsidiaries†
- 23 Consent of Independent Registered Public Accounting Firm†

24 Power of Attorney (see signature page)

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31.1 Certification of Chief Executive Officer Pursuant to Securities Exchange Act Rules 13a-14(a) and 15d-14(a) as Adopted Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002, dated November 14, 2017†

31.2 Certification of Chief Financial Officer Pursuant to Securities Exchange Act Rules 13a-14(a) and 15d-14(a) as Adopted Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002, dated November 14, 2017†

32 Certification of Chief Executive Officer and Chief Financial Officer pursuant to 18 U.S.C. Section 1350 as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, dated November 14, 2017†

101 The following financial statements are from Microsemi Corporation's Annual Report on Form 10-K for the fiscal year ended October 1, 2017, formatted in XBRL (eXtensible Business Reporting Language): (i) Consolidated Balance Sheets; (ii) Consolidated Statements of Operations and Comprehensive Income; (iii) Consolidated Statements of Stockholders' Equity; (iv) Consolidated Statements of Cash Flows; and (v) Notes to Consolidated Financial Statements.†

† Filed with this report.

* Management contract or compensatory plan or arrangement required to be filed as an exhibit pursuant to applicable rules of the Securities and Exchange Commission.

(1) Incorporated by reference to the indicated Exhibit to the Registrant's Quarterly Report on Form 10-Q (File No. 0-08866) as filed with the Commission on February 10, 2011.

(2) Incorporated by reference to Exhibit 3.1 to the Current Report on Form 8-K (File No. 0-08866) filed by Microsemi Corporation on December 3, 2015.

(3) Incorporated by reference to the indicated Exhibit to the Registrant's Annual Report on Form 10-K (File No. 0-08866) as filed with the Commission on December 16, 2005.

(4) Incorporated by reference to Exhibit 4.1 to the Registrant's Current Report on Form 8-K (File No. 0-08866) as filed with the Commission on January 19, 2016.

(5) Incorporated by reference to Exhibit 4.2 to the Registrant's Current Report on Form 8-K (File No. 0-08866) as filed with the Commission on January 19, 2016.

(6) Incorporated by reference to Exhibit 10.1 to the Registrant's Current Report on Form 8-K (File No. 0-08866) as filed with the Commission on February 13, 2014.

(7) Incorporated by reference to Exhibit 10.5.1 to the Registrant's Annual Report on Form 10-K (File No. 0-08866) as filed with the Commission on November 21, 2008.

(8) Incorporated by reference to Exhibit 10.1 to the Registrant's Quarterly Report on Form 10-Q (File No. 0-08866) as filed with the Commission on January 28, 2015.

(9) Incorporated by reference to Exhibit 10.2.4 to the Registrant's Annual Report on Form 10-K (File No. 0-08866) as filed with the Commission on November 16, 2016.

(10) Incorporated by reference to Exhibit 10.1 to the Registrant's Current Report on Form 8-K (File No. 0-08866) as filed with the Commission on July 28, 2016.

(11) Incorporated by reference to Exhibit 10.1 to the Registrant's Quarterly Report on Form 10-Q (File No. 0-08866) as filed with the Commission on July 30, 2009.

(12) Incorporated by reference to Exhibit 10.2 to the Registrant's Quarterly Report on Form 10-Q (File No. 0-08866) as filed with the Commission on July 30, 2009.

(13) Incorporated by reference to Exhibit 10.7 to the Registrant's Annual Report on Form 10-K (File No. 0-08866) as filed with the Commission on November 12, 2015.

(14) Incorporated by reference to Exhibit 10.1 to the Registrant's Current Report on Form 8-K (File No. 0-08866) as filed with the Commission on September 17, 2015

(15) Incorporated by reference to Exhibit 10.3 to the Registrant's Quarterly Report on Form 10-Q (File No. 0-08866) as filed with the Commission on January 30, 2013.

(16)

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Incorporated by reference to the indicated Exhibit to the Registrant's Annual Report on Form 10-K (File No. 0-08866) as filed with the Commission on November 12, 2015.

- (17) Incorporated by reference to Exhibit 10.12 to the Registrant's Annual Report on Form 10-K (File No. 0-08866) as filed with the Commission on November 16, 2016.

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- (18) Incorporated by reference to Exhibit 10.1 to the Registrant's Current Report on Form 8-K (File No. 0-08866) as filed with the Commission on September 3, 2008.
- (19) Incorporated by reference to Exhibit 10.104 to the Registrant's Pre-Effective Amendment No. 2 to Form S-4 (Reg. No. 333-130655) as filed with the Commission on March 3, 2006.
- (20) Incorporated by reference to Exhibit 10.1 to the Registrant's Current Report on Form 8-K (File No. 0-08866) as filed with the Commission on January 19, 2016.
- (21) Incorporated by reference to Exhibit 10.2 to the Registrant's Current Report on Form 8-K (File No. 0-08866) as filed with the Commission on June 30, 2016.
- (22) Incorporated by reference to Exhibit 10.1 to the Current Report on Form 8-K (File No. 0-08866) filed by Microsemi Corporation on January 26, 2017.
- (23) Incorporated by reference to Exhibit 10.1 to the Current Report on Form 8-K (File No. 0-08866) filed by Microsemi Corporation on April 27, 2017.
- (24) Incorporated by reference to Exhibit 10.1 to the Current Report on Form 8-K (File No. 0-08866) filed by Microsemi Corporation on May 22, 2017).
- (25) Incorporated by reference to Exhibit 10.1 to the Registrant's Current Report on Form 8-K (File No. 0-08866) as filed with the Commission on June 30, 2016.
- (26) Incorporated by reference to Exhibit 10.1 to the Current Report on Form 8-K (File No. 0-08866) filed by Microsemi Corporation on January 26, 2017.

(c) Financial statements of unconsolidated affiliates.

None

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Signatures

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Microsemi Corporation

By /s/ John W. Hohener

John W. Hohener

Executive Vice President, Chief Financial Officer, and Treasurer

(Principal Financial and Accounting Officer and duly authorized to sign on behalf of the Registrant)

Dated: November 14, 2017

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Power of Attorney

The undersigned hereby constitutes and appoints James J. Peterson and John W. Hohener, or either of them, his true and lawful attorney-in-fact and agent, with full power of substitution and re-substitution, to sign the report on Form 10-K and any or all amendments thereto and to file the same, with all exhibits thereto, and other documents in connection therewith, with the Securities and Exchange Commission, hereby ratifying and confirming all that said attorney-in-fact, or his substitute or substitutes, may do or cause to be done by virtue hereof in any and all capacities. Pursuant to the requirements of Securities Exchange Act of 1934, this report has been signed by the following persons on behalf of the Registrant and in the capacities and on the dates indicated.

Signature	Title	Date
/s/ James J. Peterson James J. Peterson	Chairman of the Board and Chief Executive Officer (Principal Executive Officer)	November 14, 2017
/s/ John W. Hohener John W. Hohener	Executive Vice President, Chief Financial Officer and Treasurer (Principal Financial and Accounting Officer)	November 14, 2017
/s/ Dennis R. Leibel Dennis R. Leibel	Director (Lead Independent Director)	November 14, 2017
/s/ Kimberly E. Alexy Kimberly E. Alexy	Director	November 14, 2017
/s/ Thomas R. Anderson Thomas R. Anderson	Director	November 14, 2017
/s/ William E. Bendush William E. Bendush	Director	November 14, 2017
/s/ Richard M. Beyer Richard M. Beyer	Director	November 14, 2017
/s/ Paul F. Folino Paul F. Folino	Director	November 14, 2017
/s/ William L. Healey William L. Healey	Director	November 14, 2017
/s/ Matthew E. Massengill Matthew E. Massengill	Director	November 14, 2017

Matthew E.
Massengill

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Exhibit Index

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 - 23 Consent of Independent Registered Public Accounting Firm†
 - 24 Power of Attorney (see signature page)
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† Filed with this report.

* Management contract or compensatory plan or arrangement required to be filed as an exhibit pursuant to applicable rules of the Securities and Exchange Commission.

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- (3) Incorporated by reference to the indicated Exhibit to the Registrant's Annual Report on Form 10-K (File No. 0-08866) as filed with the Commission on December 16, 2005.
- (4) Incorporated by reference to Exhibit 4.1 to the Registrant's Current Report on Form 8-K (File No. 0-08866) as filed with the Commission on January 19, 2016.
- (5) Incorporated by reference to Exhibit 4.2 to the Registrant's Current Report on Form 8-K (File No. 0-08866) as filed with the Commission on January 19, 2016.
- (6) Incorporated by reference to Exhibit 10.1 to the Registrant's Current Report on Form 8-K (File No. 0-08866) as filed with the Commission on February 13, 2014.
- (7) Incorporated by reference to Exhibit 10.5.1 to the Registrant's Annual Report on Form 10-K (File No. 0-08866) as filed with the Commission on November 21, 2008.
- (8) Incorporated by reference to Exhibit 10.1 to the Registrant's Quarterly Report on Form 10-Q (File No. 0-08866) as filed with the Commission on January 28, 2015.
- (9) Incorporated by reference to Exhibit 10.2.4 to the Registrant's Annual Report on Form 10-K (File No. 0-08866) as filed with the Commission on November 16, 2016.
- (10) Incorporated by reference to Exhibit 10.1 to the Registrant's Current Report on Form 8-K (File No. 0-08866) as filed with the Commission on July 28, 2016.
- (11) Incorporated by reference to Exhibit 10.1 to the Registrant's Quarterly Report on Form 10-Q (File No. 0-08866) as filed with the Commission on July 30, 2009.
- (12) Incorporated by reference to Exhibit 10.2 to the Registrant's Quarterly Report on Form 10-Q (File No. 0-08866) as filed with the Commission on July 30, 2009.
- (13) Incorporated by reference to Exhibit 10.7 to the Registrant's Annual Report on Form 10-K (File No. 0-08866) as filed with the Commission on November 12, 2015.
- (14) Incorporated by reference to Exhibit 10.1 to the Registrant's Current Report on Form 8-K (File No. 0-08866) as filed with the Commission on September 17, 2015.
- (15) Incorporated by reference to Exhibit 10.3 to the Registrant's Quarterly Report on Form 10-Q (File No. 0-08866) as filed with the Commission on January 30, 2013.
- (16) Incorporated by reference to the indicated Exhibit to the Registrant's Annual Report on Form 10-K (File No. 0-08866) as filed with the Commission on November 12, 2015.
- (17) Incorporated by reference to Exhibit 10.12 to the Registrant's Annual Report on Form 10-K (File No. 0-08866) as filed with the Commission on November 16, 2016.
- (18) Incorporated by reference to Exhibit 10.1 to the Registrant's Current Report on Form 8-K (File No. 0-08866) as filed with the Commission on September 3, 2008.
- (19) Incorporated by reference to Exhibit 10.104 to the Registrant's Pre-Effective Amendment No. 2 to Form S-4 (Reg. No. 333-130655) as filed with the Commission on March 3, 2006.
- (20) Incorporated by reference to Exhibit 10.1 to the Registrant's Current Report on Form 8-K (File No. 0-08866) as filed with the Commission on January 19, 2016.

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- (21) Incorporated by reference to Exhibit 10.2 to the Registrant's Current Report on Form 8-K (File No. 0-08866) as filed with the Commission on June 30, 2016.
- (22) Incorporated by reference to Exhibit 10.1 to the Current Report on Form 8-K (File No. 0-08866) filed by Microsemi Corporation on January 26, 2017.

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- (23) Incorporated by reference to Exhibit 10.1 to the Current Report on Form 8-K (File No. 0-08866) filed by Microsemi Corporation on April 27, 2017.
- (24) Incorporated by reference to Exhibit 10.1 to the Current Report on Form 8-K (File No. 0-08866) filed by Microsemi Corporation on May 22, 2017).
- (25) Incorporated by reference to Exhibit 10.1 to the Registrant's Current Report on Form 8-K (File No. 0-08866) as filed with the Commission on June 30, 2016.
- (26) Incorporated by reference to Exhibit 10.1 to the Current Report on Form 8-K (File No. 0-08866) filed by Microsemi Corporation on January 26, 2017.

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