

Anderson David Joseph
 Form 4
 February 15, 2011

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
 Washington, D.C. 20549

OMB APPROVAL

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
 Anderson David Joseph

2. Issuer Name and Ticker or Trading Symbol
 KULICKE & SOFFA INDUSTRIES INC [KLIC]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
 1005 VIRGINIA DRIVE
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
 02/11/2011

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
 VP, General Counsel

FORT WASHINGTON, PA US
 19034

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 ____ Form filed by More than One Reporting Person

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|---|
| | | | | (A) or (D) | Price | | |
| | | | | Code | V | Amount | |
| Common Stock | 02/11/2011 | | S | 500 ⁽¹⁾ | D | \$ 9.8 | 47,444 D |
| Common Stock | 02/11/2011 | | S | 94 ⁽¹⁾ | D | \$ 9.81 | 47,350 D |
| Common Stock | 02/11/2011 | | S | 208 ⁽¹⁾ | D | \$ 9.82 | 47,142 D |
| Common Stock | 02/11/2011 | | S | 25 ⁽¹⁾ | D | \$ 9.8201 | 47,117 D |
| Common Stock | 02/11/2011 | | S | 187 ⁽¹⁾ | D | \$ 9.83 | 46,930 D |

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| | | | | | | | |
|--------------|------------|---|----------------|---|---------|--------|---|
| Common Stock | 02/11/2011 | S | 760 <u>(1)</u> | D | \$ 9.84 | 46,170 | D |
| Common Stock | 02/11/2011 | S | 521 <u>(1)</u> | D | \$ 9.85 | 45,649 | D |
| Common Stock | 02/11/2011 | S | 454 <u>(1)</u> | D | \$ 9.86 | 45,195 | D |
| Common Stock | 02/11/2011 | S | 21 <u>(1)</u> | D | \$ 9.87 | 45,174 | D |
| Common Stock | 02/11/2011 | S | 73 <u>(1)</u> | D | \$ 9.88 | 45,101 | D |
| Common Stock | 02/11/2011 | S | 62 <u>(1)</u> | D | \$ 9.89 | 45,039 | D |
| Common Stock | 02/11/2011 | S | 52 <u>(1)</u> | D | \$ 9.94 | 44,987 | D |

| | | | | | | | | |
|--------------|--|--|--|--|--|-------|---|---|
| Common Stock | | | | | | 7,971 | I | By Kulicke and Soffa Incentive Savings Plan |
|--------------|--|--|--|--|--|-------|---|---|

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

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(9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned
(e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Number of Derivative Securities Owned Following Reporting Transaction (Instr. 6) |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|---|
| | | | | Code | V (A) (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|-----------|---------------------|-------|
| | Director | 10% Owner | Officer | Other |
| Anderson David Joseph 1005 VIRGINIA DRIVE FORT WASHINGTON, PA US 19034 | | | VP, General Counsel | |

Signatures

Susan L. Waters, Attorney-in-Fact for David
Anderson 02/15/2011

__Signature of Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, *see* Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) The shares covered by this Form 4 were sold pursuant to a Rule 10b5-1(c) sales plan dated May 24, 2010, which was adopted for the purposes of funding taxes arising as a result of vesting of Performance Share Units.

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