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		COMMISSION	-	9PROVAL 3235-0287					
Check this box if no longer subject to Section 16. Form 4 or									
Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,obligations may continue.See Instruction 1(b).30(h) of the Investment Company Act of 1940									
Symbol		5. Relationship of Reporting Person(s) to Issuer							
_	-	(Check all applicable)							
(Month/Day/Year) 05/20/2015		X_ Director10% Owner Officer (give titleOther (specify below) below)							
			One Reporting Person						
		Person	fore than one R	porting					
ip) Table I - Non-Der	rivative Securities A	equired, Disposed of	f, or Beneficial	lly Owned					
xecution Date, if TransactionA ny Code D Month/Day/Year) (Instr. 8) (In	cquired (A) or isposed of (D) nstr. 3, 4 and 5) (A) or	Securities H Beneficially ( Owned ( Following ( Reported Transaction(s)	Form: Direct D) or Indirect I)	7. Nature of Indirect Beneficial Ownership (Instr. 4)					
		· · ·							
Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02) required to respond unless the form displays a currently valid OMB control number.									
	Washington, I         NT OF CHANGES IN B SECURI         ant to Section 16(a) of the of the Public Utility Holdin 30(h) of the Investment C         son *       2. Issuer Name and T Symbol AtriCure, Inc. [AT         dle)       3. Date of Earliest Tran (Month/Day/Year) 05/20/2015         dle)       3. Date of Earliest Tran (Month/Day/Year)         p)       Table I - Non-Der         A. Deemed       3.       4.         A. Deemed       3.       4.         A. Deemed       3.       4.         Month/Day/Year)       (Instr. 8)       (I         Code       V       A	Washington, D.C. 20549         NT OF CHANGES IN BENEFICIAL OW SECURITIES         ant to Section 16(a) of the Securities Exchant of the Public Utility Holding Company Act of 19         ant to Section 16(a) of the Securities Exchant of the Public Utility Holding Company Act of 19         symbol Company Act of 19         ant to Section 16(a) of the Securities Exchant of the Public Utility Holding Company Act of 19         symbol Company Act of 19         ant to Securit Name and Ticker or Trading Symbol AttriCure, Inc. [ATRC]         dle)         3. Date of Earliest Transaction (Month/Day/Year)         O5/20/2015         4. If Amendment, Date Original Filed(Month/Day/Year)         p)         Table I - Non-Derivative Securities Action Acquired (A) or y Code Disposed of (D)         A. Deemed         A. Securities         (A)         (A)	Washington, D.C. 20549         NT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES         ant to Section 16(a) of the Securities Exchange Act of 1934, of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940         son *         Sucurities Exchange Act of 1934, of the Public Utility Holding Company Act of 1940         son *         Sucurities Exchange Act of 1935 or Section 30(h) of the Investment Company Act of 1940         son *         Sucurities Fransaction         AtriCure, Inc. [ATRC]         (Chect         dimension         (Month/Day/Year)         A Jate of Earliest Transaction         (Month/Day/Year)         A Joirector         Officer (give below)         A Joirector         Officer (give below)         A If Amendment, Date Original         Form filed by M         P)         Table I - Non-Derivative Securities Acquired, Disposed of MA Deemed         A. Securities         S Amount of Colspane         (A)         Owned	ATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549       OMB Number:         NT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES       Expires:         ant to Section 16(a) of the Securities Exchange Act of 1934, of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940       Expires:         son 1       2. Issuer Name and Ticker or Trading Symbol AtriCure, Inc. [ATRC]       5. Relationship of Reporting Per Issuer         dle)       3. Date of Earliest Transaction (Month/Day/Year)       -X_Director Officer (give title0ff         4. If Amendment, Date Original Filed(Month/Day/Year)       6. Individual or Joint/Group Filit Applicable Line) -X_Form filed by More than One Ro Person         p)       Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficiall A. Deemed       5. Amount of Code       6. Ownership Form: Direct         p)       Table I - Non-Derivative Securities Acquired, Disposed of, or y       Code       Disposed of (D) Deflow)       6. Ownership Form: Direct         (A) Code       V Amount       (D) or Price       (Instr. 4) Reported Transaction(s) or (Instr. 3 and 4)       6. Ownership Form are not required to respond unless the form displays a currently vaild OMB control       S					

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

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5. Number of	6. Date Exercisable and	7. Title and Amount o
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transactio	orDerivative	Expiration Date	Underlying Securities
Security	or Exercise		any	Code	Securities	(Month/Day/Year)	(Instr. 3 and 4)
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Acquired (A)		

	Derivative Security				or Dispose (D) (Instr. 3, 4 and 5)					
			Code '	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Share
Stock Option (right to buy)	\$ 22.62	05/20/2015	A		10,000		05/20/2016 <u>(1)</u>	05/20/2025	Common Stock	10,000

## **Reporting Owners**

Reporting Owner Name / Address						
	Director	10% Owner	Officer	Other		
Hooven Michael D 7778 BENNINGTON DRIVE CINCINNATI, OH 45241	Х					
Signatures						
/s/ M. Andrew Wade as Attorney-In-Fact for Michael D.						

Hooven

\*\*Signature of Reporting Person

05/21/2015

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).

Exercisable cumulatively at a rate of 33.33% per annum commencing on the earlier of (i) the anniversary of the date of grant and (ii) the (1) date on which the Company's annual meeting of stockholders is held that year, provided the Reporting Person is a director immediately

- prior to such annual meeting.
- (2) Not applicable

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.