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## FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Check this box if no longer subject to
Section 16. Form 4 or Form 5
obligations may continue. See
Instruction 1(b).

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

	JVAL								
OMB Number:	3235-0287								
Estimated average burden									
hours per response:	0.5								

1. Name and Addre	ss of Reporting Perso <u>EW L</u>	on*	2. Issuer Name <b>and</b> Ticker or Trading Symbol <u>AtriCure, Inc.</u> [ ATRC ]		tionship of Reporting F all applicable) Director	10% Owner
(Last) 7555 INNOVAT	(First) ION WAY	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 12/28/2015	x	Officer (give title below) SVP, Ops &	Other (specify below) Quality
(Street) MASON	ОН	45040	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indiv Line) X	ridual or Joint/Group Fi Form filed by One R Form filed by More t	eporting Person
(City)	(State)	(Zip)			Person	. •

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

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	Execution Date,		ction Instr.	4. Securities Disposed Of			5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
				v	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)		
Common Stock	12/28/2015		F		7 <b>99</b> <sup>(1)</sup>	D	\$22.53	40,919	D	
Common Stock	12/31/2015		Α	v	326 <sup>(2)</sup>	Α	\$19.07 <sup>(3)</sup>	41,245	D	

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. Transa Code ( 8)		5. Nur of Deriv Secur Acqu (A) or Dispo of (D) (Instr	ative rities ired osed	6. Date Exerc Expiration Da (Month/Day/Y	ate	7. Title Amour Securi Underl Deriva Securi and 4)	nt of ties ying tive ty (Instr. 3	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	and 5 (A)	) (D)	Date Exercisable	Expiration Date	Amount or Number of Shares					

Explanation of Responses:

1. The Reporting Person has elected to transfer these shares to the Company to satisfy the tax withholding obligation incurred upon the vesting and release of shares previously acquired pursuant to a Restricted Stock Award.

2. Shares acquired pursuant to the AtriCure, Inc. 2008 Employee Stock Purchase Plan for the period ended December 31, 2015.

3. Closing price on December 31, 2015 was \$22.44.

## **Remarks:**

/s/ Andrew L. Lux

01/05/2016

Date

\*\* Signature of Reporting Person

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

\* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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 Number.