

Seith Douglas J
 Form 3
 January 15, 2013

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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INITIAL STATEMENT OF 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 *		2. Date of Event Requiring Statement	3. Issuer Name and Ticker or Trading Symbol	
Â Seith Douglas J		(Month/Day/Year)	AtriCure, Inc. [ATRC]	
(Last)	(First)	(Middle)	4. Relationship of Reporting Person(s) to Issuer	5. If Amendment, Date Original Filed(Month/Day/Year)
		01/14/2013		
6217 CENTRE PARK DRIVE			(Check all applicable)	
(Street)			<input type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other (give title below) (specify below) SVP of Sales and Marketing	
WEST CHESTER,Â OHÂ 45069			6. Individual or Joint/Group Filing(Check Applicable Line)	
(City)	(State)	(Zip)	<input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person	

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	52,648 ⁽¹⁾	D	Â

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly. SEC 1473 (7-02)

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

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of	

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				Shares		(I) (Instr. 5)	
Incentive Stock Option (right to buy)	03/01/2005 ⁽²⁾	03/01/2014	Common Stock	5,263	\$ 1.52	D	Â
Incentive Stock Option (right to buy)	04/06/2006 ⁽²⁾	04/06/2015	Common Stock	1,513	\$ 11.63	D	Â
Incentive Stock Option (right to buy)	08/05/2006 ⁽²⁾	08/05/2015	Common Stock	2,631	\$ 12	D	Â
Incentive Stock Option (right to buy)	02/08/2007 ⁽³⁾	02/08/2016	Common Stock	5,000	\$ 11.06	D	Â
Non-Qualified Stock Option (right to buy)	12/06/2007 ⁽³⁾	12/06/2016	Common Stock	250	\$ 9.7	D	Â
Non-Qualified Stock Option (right to buy)	02/08/2008 ⁽³⁾	02/08/2017	Common Stock	200	\$ 12.22	D	Â
Non-Qualified Stock Option (right to buy)	05/28/2009 ⁽³⁾	05/28/2018	Common Stock	1,500	\$ 10.1	D	Â
Non-Qualified Stock Option (right to buy)	07/30/2009 ⁽³⁾	07/30/2018	Common Stock	10,000	\$ 10.05	D	Â
Non-Qualified Stock Option (right to buy)	10/28/2009 ⁽³⁾	10/28/2018	Common Stock	512	\$ 5.7	D	Â
Non-Qualified Stock Option (right to buy)	10/25/2013 ⁽³⁾	10/25/2022	Common Stock	21,100	\$ 6.27	D	Â
Non-Qualified Stock Option (right to buy)	12/27/2013 ⁽³⁾	12/27/2022	Common Stock	100,000	\$ 6.73	D	Â

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Seith Douglas J 6217 CENTRE PARK DRIVE WEST CHESTER, OH 45069	Â	Â	Â SVP of Sales and Marketing	Â

Signatures

/s/ Douglas J. Seith 01/15/2013

**Signature of
Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 5(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) Includes 32,500 shares of unvested restricted stock awarded under the AtriCure, Inc. 2005 Equity Incentive Plan, which vest 25% annually over four years from date of grant.

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- (2) The option vests and is exercisable as to 25% of the shares on the first four anniversaries of the grant date.
- (3) The option vests and is exercisable as to 25% of the shares one year from the date of grant and the remaining 75% thereafter vests and is exercisable in equal monthly installments on the same day of the month over the following three years.

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

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