

AtriCure, Inc.
Form 4
August 14, 2006

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 *
ROBARDS KAREN P

(Last) (First) (Middle)
173 RIVERSIDE DRIVE
(Street)
NEW YORK, NY 10024
(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
AtriCure, Inc. [ATRC]

3. Date of Earliest Transaction
(Month/Day/Year)
08/10/2006

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director 10% Owner
 Officer (give title below) Other (specify below)

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

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 Ownership (Instr. 4)
				(A) or (D) Price			
Common Stock	08/10/2006		X	469 ⁽¹⁾ A \$ 5.96	166,499	D	

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

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

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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 Security (Instr. 3 and 4)
Common Stock Warrants(Right to Buy)	\$ 5.43	08/10/2006		X	5,242	04/22/2002 08/10/2006	Common Stock 469

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
ROBARDS KAREN P 173 RIVERSIDE DRIVE NEW YORK, NY 10024		X		

Signatures

/s/ Thomas J. Etergino as Attorney-in-Fact for Karen P. Robards 08/14/2006

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) On August 10, 2006, 5,242 warrants owned by Ms. Robards were automatically exercised pursuant to a net issue exercise, resulting in her acquisition of 469 shares of Common Stock. The warrants were exercisable at \$5.96 per share (a price equal to the closing average of the Common Stock for the 10 trading days prior to August 10, 2006).

(2) The net number of shares of Common Stock issuable upon the exercise of 5,242 warrants, calculated pursuant to the terms of the warrant.

(3) 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.

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