

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

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

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

1. Name and Address of Reporting Person* <u>PRESIDIO MANAGEMENT GROUP VIII L L C</u> (Last) (First) (Middle) <u>2735 SAND HILL ROAD</u> (Street) <u>MENLO PARK CA 94025</u> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>AtriCure, Inc. [ATRC]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director <input checked="" type="checkbox"/> 10% Owner Officer (give title below) Other (specify below)
	3. Date of Earliest Transaction (Month/Day/Year) <u>06/06/2012</u>	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable Line) <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 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)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	06/06/2012		J ⁽¹⁾		350,000	D	(1)	1,852,444	I	Directly Held by USVP VIII ⁽³⁾
Common Stock	06/06/2012		J ⁽¹⁾		2,579	D	(1)	14,452	I	Directly Held by AFF VIII ⁽³⁾
Common Stock	06/07/2012		S		3,279	D	\$9.444 ⁽²⁾	18,374	I	Directly Held by EP VIII-A ⁽³⁾
Common Stock	06/07/2012		S		1,759	D	\$9.444 ⁽²⁾	9,858	I	Directly Held by EP VIII-B ⁽³⁾

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)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	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	(A)	(D)					

1. Name and Address of Reporting Person* <u>PRESIDIO MANAGEMENT GROUP VIII L L C</u> (Last) (First) (Middle) <u>2735 SAND HILL ROAD</u> (Street) <u>MENLO PARK CA 94025</u> (City) (State) (Zip)
--

1. Name and Address of Reporting Person* <u>US VENTURE PARTNERS VIII L P</u>

(Last) (First) (Middle)

2735 SAND HILL ROAD

(Street)

MENLO PARK CA 94025

(City)

(State)

(Zip)

1. Name and Address of Reporting Person*

USVP VIII AFFILIATES FUND L P

(Last) (First) (Middle)

2735 SAND HILL ROAD

(Street)

MENLO PARK CA 94025

(City)

(State)

(Zip)

1. Name and Address of Reporting Person*

USVP ENTREPRENEUR PARTNERS VIII A L P

(Last) (First) (Middle)

2735 SAND HILL ROAD

(Street)

MENLO PARK CA 94025

(City)

(State)

(Zip)

1. Name and Address of Reporting Person*

USVP ENTREPRENEUR PARTNERS VIII B L P

(Last) (First) (Middle)

2735 SAND HILL ROAD

(Street)

MENLO PARK CA 94025

(City)

(State)

(Zip)

1. Name and Address of Reporting Person*

FEDERMAN IRWIN

(Last) (First) (Middle)

2735 SAND HILL ROAD

(Street)

MENLO PARK CA 94025

(City)

(State)

(Zip)

1. Name and Address of Reporting Person*

FU WINSTON S

(Last) (First) (Middle)

2735 SAND HILL ROAD

(Street)

MENLO PARK CA 94025

(City)

(State)

(Zip)

1. Name and Address of Reporting Person*

KRAUSZ STEVEN M

(Last)	(First)	(Middle)
2735 SAND HILL ROAD		
<hr/>		
(Street)		
MENLO PARK	CA	94025
<hr/>		
(City)	(State)	(Zip)

1. Name and Address of Reporting Person *

LIDDLE DAVID E

(Last)	(First)	(Middle)
2735 SAND HILL ROAD		
<hr/>		
(Street)		
MENLO PARK	CA	94025
<hr/>		
(City)	(State)	(Zip)

1. Name and Address of Reporting Person *

ROOT JONATHAN D

(Last)	(First)	(Middle)
2735 SAND HILL ROAD		
<hr/>		
(Street)		
MENLO PARK	CA	94025
<hr/>		
(City)	(State)	(Zip)

Explanation of Responses:

1. Prorata distribution in kind from the partnership without consideration to its partners.
2. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$9.67 to \$9.20, inclusive. The reporting persons undertake to provide the issuer, any security holder of the issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the ranges set forth in this footnote to this Form 4
3. Presidio Management Group VIII, LLC ("PMG VIII") is the general partner of US Venture Partners VIII, L.P. ("USVP VIII"), USVP Entrepreneur Partners VIII-A, L.P. ("EP VIII-A"), USVP Entrepreneur Partners VIII-B, L.P. ("EP VIII-B"), and USVP VIII Affiliates Fund, L.P. ("AFF VIII"), and Irwin Federman, Winston S. Fu, Steven M. Krausz, David E. Liddle, Jonathan D. Root, Christopher Rust, Casey M. Tansey and Philip M. Young, the managing members of PMG VIII, may be deemed to share voting and dispositive power over the shares held by USVP VIII, EP VIII-A, EP VIII-B and AFF VIII. Such persons and entities disclaim beneficial ownership of shares held by USVP VIII, EP VIII-A, EP VIII-B and AFF VIII except to the extent of any pecuniary interest therein.

Remarks:

Remark: This report is one (1) of two (2) reports each on a separate Form 4; however, these forms are related to the same transaction being filed by the reporting persons.

Michael P. Maher - Attorney in
Fact for each reporting person 06/07/2012

** Signature of Reporting Person Date

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.