

SMITH STEPHEN J  
 Form 4  
 January 30, 2012

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
 Expires: January 31, 2005  
 Estimated average burden hours per response... 0.5

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 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 \*  
 SMITH STEPHEN J

(Last) (First) (Middle)

C/O NANOMETRICS, INC., 1550  
 BUCKEYE DRIVE

(Street)

MILPITAS, CA 95035

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
 NANOMETRICS INC [NANO]

3. Date of Earliest Transaction  
 (Month/Day/Year)  
 01/26/2012

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 Indirect Beneficial Ownership (Instr. 4)			
			Code	V	Amount	(A) or (D)	Price			
Common Stock	01/26/2012		M		2,500	A	\$ 6.61	12,537	D	
Common Stock	01/26/2012		M		2,500	A	\$ 6.83	15,037	D	
Common Stock	01/26/2012		M		2,500	A	\$ 9.58	17,537	D	
Common Stock	01/26/2012		M		2,500	A	\$ 9.93	20,037	D	
Common Stock	01/26/2012		M		2,500	A	\$ 7.28	22,537	D	

Edgar Filing: SMITH STEPHEN J - Form 4

Common Stock	01/26/2012	M	2,500	A	\$ 5.76	25,037	D
Common Stock	01/26/2012	M	2,500	A	\$ 1.88	27,537	D
Common Stock	01/26/2012	S	17,500 <u>(1)</u>	D	\$ 19.7477 <u>(2)</u>	10,037	D

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

**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 control number.**

SEC 1474  
(9-02)

**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)	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 Securities (Instr. 3 and 4)	Amount or Number of Shares	
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Non-Qualified Stock Option (right to buy)	\$ 6.61	01/26/2012		M	2,500	<u>(3)</u> 04/03/2012	Common Stock	2,500	
Non-Qualified Stock Option (right to buy)	\$ 6.83	01/26/2012		M	2,500	<u>(3)</u> 07/03/2012	Common Stock	2,500	
Non-Qualified Stock Option (right to buy)	\$ 9.58	01/26/2012		M	2,500	<u>(3)</u> 10/02/2012	Common Stock	2,500	
Non-Qualified Stock Option (right to buy)	\$ 9.93	01/26/2012		M	2,500	<u>(3)</u> 01/02/2013	Common Stock	2,500	
Non-Qualified Stock Option (right to buy)	\$ 7.28	01/26/2012		M	2,500	<u>(3)</u> 04/01/2013	Common Stock	2,500	
Non-Qualified Stock Option	\$ 5.76	01/26/2012		M	2,500	<u>(3)</u> 07/01/2013	Common Stock	2,500	

(right to buy)

Non-Qualified  
Stock Option  
(right to buy)

\$ 1.88

01/26/2012

M

2,500

(3)

10/02/2013

Common  
Stock

2,500

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
SMITH STEPHEN J C/O NANOMETRICS, INC. 1550 BUCKEYE DRIVE MILPITAS, CA 95035	X			

## Signatures

/s/ Timothy J. Stultz,  
Attorney-in-Fact

01/30/2012

\_\_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) The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on December 8, 2011.

(2) The price in Column 4 is a weighted average sale price. The prices actually received ranged from \$19.68 to \$19.95. The reporting person will provide to the issuer, any security holder of the issuer, or the SEC staff, upon request, information regarding the number of shares sold at each price within the range.

(3) The options became exercisable in three equal installments beginning on the first anniversary of the date of grant.

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.