

NEWBERRY STEPHEN G

Form 4

May 31, 2011

FORM 4**UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549**

OMB APPROVAL

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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 *
 NEWBERRY STEPHEN G

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

5. Relationship of Reporting Person(s) to
 Issuer

(Check all applicable)

(Last) (First) (Middle)
 C/O NANOMETRICS, INC., 1550
 BUCKEYE DRIVE

3. Date of Earliest Transaction
 (Month/Day/Year)
 05/26/2011

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

(Street)

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

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

MILPITAS, CA 95035

(City) (State) (Zip)

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)
Common Stock	05/26/2011		A	(A) or (D) Amount 2,382 (1) Price \$ 0	2,382	D	

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

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 information contained in this form are not
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SEC 1474
 (9-02)

**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 Underlying Securities (Instr. 3 and 4)
Non-Qualified Stock Option (right to buy)	\$ 15.74	05/26/2011		A	3,949	<u>(2)</u> 05/26/2018	Common Stock 3,94

Reporting Owners

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

Signatures

/s/ Ronald W. Kisling,
Attorney-in-Fact

05/31/2011

__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) Shares are represented by restricted stock units. Each restricted stock unit represents a contingent right to receive one share of NANO common stock. The restricted stock units vest in three equal annual installments, commencing on the first anniversary of the date of grant.
- (2) The Option becomes exercisable in three equal annual installments, commencing on the first anniversary of the date of the grant.

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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