Heidrich Ke Form 4 February 26	, 2018								PPROVAL	
FORM Check th	Washington, D.C. 20549								3235-0287 January 31,	
if no lon subject t Section Form 4 c	ger STATEN 16.	STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES								
Form 5 obligatio may con <i>See</i> Instr 1(b).	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									
(Print or Type	Responses)									
1. Name and Address of Reporting Person <u>*</u> Heidrich Kevin			2. Issuer Name and Ticker or Trading Symbol NANOMETRICS INC [NANO]				5. Relationship of Reporting Person(s) to Issuer			
(Last) (First) (Middle) C/O NANOMETRICS, INCORPORATED, 1550 BUCKEYE DRIVE			3. Date of Earliest Transaction (Month/Day/Year) 02/22/2018				(Check all applicable) <u></u> Director <u></u> 10% Owner <u></u> Officer (give title <u></u> Other (specify below) SVP, Corporate Development			
	(Street)	4. If Amendment, Date Original Filed(Month/Day/Year)				 6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting 				
MILPITAS		(7:n)					Person			
(City) 1.Title of Security (Instr. 3)	(State) 2. Transaction Data (Month/Day/Year)		3. ate, if Transacti Code 'Year) (Instr. 8)	4. Securi on(A) or D (Instr. 3,	ties A ispose 4 and (A) or	cquired d of (D) 5)	uired, Disposed of 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	
Common Stock	02/22/2018		Code V S	Amount 1,336	(D) D	Price \$ 26.3	32,254	D		
Common Stock	02/23/2018		S	1,210	D	\$ 26.49	31,044	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)

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. Transactic Code (Instr. 8)	5. 6. Date Exercisabl onNumber Expiration Date of (Month/Day/Year Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		ate	Unde Secur	int of rlying	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Owne Follo Repo Trans (Instr
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Address		Relationships							
	Director	10% Owner	Officer	Other					
Heidrich Kevin C/O NANOMETRICS, INCORPORATE 1550 BUCKEYE DRIVE MILPITAS, CA 95035	D		SVP, Corporate Development						
Signatures									
/s/ Janet Taylor, 02. Attorney-in-Fact	/26/2018								

Date

**Signature of Reporting Person

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).

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.