May 21, 2007										
FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549							MISSION	OMB APPROVAL		
							OMB Number:	3235-0104		
INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF								Expires:	January 31 2005	
SECURITIES							Estimated a	verage		
$\mathbf{F}^{(1)} \mathbf{I} \mathbf{I} \mathbf{I} \mathbf{I} \mathbf{I} \mathbf{I} \mathbf{I} I$							burden hour response	rs per 0.5		
(Print or Type Resp	ponses)									
Person <u>Statement</u>			Statement (Month/Day/Year				nbol			
(Last) (	(First)	(Middle)	05/17/2007					Amendment, Date Original (Month/Day/Year)		
C/O NANOME	-							- /		
INCORPORATED, 1550 BUCKEYE DRIVE				(Check all applicable)						
(	(Street)				(give title below) (specify below) Filing _X_F			dividual or Joint/Group g(Check Applicable Line) Form filed by One Reporting n orm filed by More than One rting Person		
MILPITAS, (	CAÂ 950	)35								
(City) (	State)	(Zip)	Та	ble I - N	on-Derivat	ive Securit	ies Benefici	ally Owned		
1.Title of Security (Instr. 4)			Bei	Amount of neficially ( Istr. 4)	Securities Owned	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Ownership (Instr. 5)	Indirect Benefi	cial	
Common Stock 70				)1		D Â				
Common Stock				311		Ι	See footnote $(1)$			
Common Stock			1,2	I See footnote		e <u>(2)</u>				

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

Persons who respond to the collection of

Dox Joseph F

SEC 1473 (7-02)

information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

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

## Edgar Filing: Dox Joseph F - Form 3

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of	5. Ownership Form of Derivative	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	Derivative Security: Security Direct (D) or Indirect (I) (Instr. 5)		

## **Reporting Owners**

Reporting	Owner	Name /	Address
<b>KCDOLUUZ</b>	Owner	rame /	Auurcss

Relationships

Director 10% Owner Officer Other

Cignotures				
MILPITAS, CA 95035				
1330 DUCKETE DRIVE	АЛ	A	A	A
C/O NANOMETRICS INCORPORATED	λv	â	â	â
Dox Joseph F				

## Signatures

1. (I

/s/ Joseph F. Dox	05/17/2007		
<u>**</u> Signature of Reporting Person	Date		

## **Explanation of Responses:**

- \* If the form is filed by more than one reporting person, *see* Instruction 5(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).

Shares held directly by the Alexia Dox Trust (the "AD Trust"). Ira Greenspan is the Trustee of the AD Trust and has sole voting and investment power over the shares held by the AD Trust. The Reporting Person disclaims beneficial ownership of these securities, and this

(1) Investment power over the shares near by the AD Trust. The Reporting Person discutines beneficial owner of such securities for purposes of Section 16 or for any other purpose.

Shares held directly by the Emilie Dox Trust (the "ED Trust"). Ira Greenspan is the Trustee of the ED Trust and has sole voting and investment power over the shares held by the ED Trust. The Reporting Person disclaims beneficial ownership of these securities, and this

(2) Investment power over the shares near by the ED Trust. The Reporting Person discrams beneficial owner of such securities for purposes of Section 16 or for any other purpose.

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.