MOONEY EDWARD J

Form 4

February 16, 2012

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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Expires:

January 31, 2005

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subject to Section 16. Form 4 or Form 5 obligations

may continue.

See Instruction

Check this box

if no longer

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading MOONEY EDWARD J Issuer Symbol CABOT MICROELECTRONICS (Check all applicable) CORP [CCMP] (Last) (First) (Middle) 3. Date of Earliest Transaction _X__ Director 10% Owner Officer (give title Other (specify (Month/Day/Year) C/O CABOT 02/15/2012 **MICROELECTRONICS** CORPORATION, 870 COMMONS **DRIVE** (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting AURORA, IL 60504 (City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned re of ial ship

1.Title of	2. Transaction Date	2A. Deemed	3. 4. Securities Acquired (A)			5. Amount of	6.	7. Nature	
Security	(Month/Day/Year)	Execution Date, if	Transaction Disposed of (D)				Securities	Ownership	Indirect
(Instr. 3)		any	Code	(Instr. 3, 4 and 5)			Beneficially	Form:	Beneficia
		(Month/Day/Year)	(Instr. 8)	, i			Owned	Direct (D)	Ownersh
							Following	or Indirect	(Instr. 4)
					(4)		Reported	(I)	
					(A)		Transaction(s)	(Instr. 4)	
			Code V	Amount	or (D)	Price	(Instr. 3 and 4)		
C			Code v	Amount	(D)	Price			
Common Stock	02/15/2012		M	15,000	A	\$ 32.02	22,000	D	
Stock									
Common	00/15/0010		c (1)	0.557	Ъ	\$	10 442	D	
Stock	02/15/2012		S(1)	9,557	D	\$ 50.3077	12,443	D	
~									
Common	02/15/2012		M	10,000	A	\$ 32.02	22,443	D	
Stock	02/15/2012		111	10,000		Ψ 32.02	22,115	L	
Common						\$			
Stock	02/15/2012		S(1)	6,373	D	50.3077	16,070	D	
Stock						30.3011			

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Common Stock	02/15/2012	M	10,000	A	\$ 32.59	26,070	D	
Common Stock	02/15/2012	S(1)	6,488	D	\$ 50.3077	19,582	D	
Common Stock						300	I	Grandchild

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

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(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. Transactio Code (Instr. 8)	5. Number of tiorDerivative Securities) Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		6. Date Exercisab Expiration Date (Month/Day/Year		7. Title and Amount o Underlying Securities (Instr. 3 and 4)	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Share
Stock Options (Right to Buy)	\$ 32.02	02/15/2012		M		15,000	03/08/2005(2)	03/08/2015	Common Stock	15,000
Stock Options (Right to Buy)	\$ 32.02	02/15/2012		M		10,000	03/08/2006(3)	03/08/2015	Common Stock	10,000
Stock Options (Right to Buy)	\$ 32.59	02/15/2012		M		10,000	03/07/2007(4)	03/07/2016	Common Stock	10,000

Reporting Owners

Reporting Owner Name / Address	•					
	Director	10% Owner	Officer	Other		
MOONEY EDWARD J	X					
C/O CABOT MICROELECTRONICS CORPORATION						

Reporting Owners 2

Relationships

870 COMMONS DRIVE AURORA, IL 60504

Signatures

/s/ H. Carol Bernstein (Power of Attorney) 02/16/2012

**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) Sale to cover exercise price for exercise of stock options.
- (2) Directors' Initial Non-Qualified Stock Option Award Vesting dates: 25% 3/8/05, 25% 3/8/06, 25% 3/8/07, 25% 3/8/08
- (3) Directors' Annual Non-Qualified Stock Option Award Vesting dates: 25% 3/8/06, 25% 3/8/07, 25% 3/8/08, 25% 3/8/09
- Directors' Annual Non-Qualified Stock Option Award (2006) Vesting Dates: 25% 3/7/07, 25% 3/7/08, 25% 3/7/09, 25% 3/7/10

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.

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