MOONEY EDWARD J

Form 4

December 10, 2009

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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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).

(Last)

(Print or Type Responses)

See Instruction

1. Name and Address of Reporting Person * MOONEY EDWARD J

2. Issuer Name and Ticker or Trading Symbol

Issuer

5. Relationship of Reporting Person(s) to

CABOT MICROELECTRONICS

(Check all applicable)

CORP [CCMP]

(Month/Day/Year)

Filed(Month/Day/Year)

12/08/2009

3. Date of Earliest Transaction

_X__ Director Officer (give title

10% Owner Other (specify

C/O CABOT **MICROELECTRONICS** CORPORATION, 870 COMMONS **DRIVE**

(First)

(Street)

(State)

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

AURORA, IL 60504

(City)

(Zip)

(Middle)

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. Transactic Code (Instr. 8)				Beneficially Fo Owned Di	6. Ownership Form: Direct (D) or Indirect	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)	(I) (Instr. 4)	
Common Stock	12/08/2009		P P	100	A	\$ 31.669	100	I	Grandchild
Common Stock	12/08/2009		P	100	A	\$ 31.676	200	I	Grandchild
Common Stock	12/08/2009		P	100	A	\$ 31.673	300	I	Grandchild
Common Stock							6,300	D	

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

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SEC 1474 (9-02)

> 9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr

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

	 Title of 	2.	3. Transaction Date	3A. Deemed	4.	5.	Date Exerc	cisable and	7. Title	e and	8. Price of	9
	Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transacti	orNumber	Expiration Date		Amou	nt of	Derivative	J
	Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	lying	Security	,
(Instr. 3)		Price of		(Month/Day/Year)	(Instr. 8)	Derivative	•		Securities		(Instr. 5)]
	Derivative					Securities			(Instr. 3 and 4)			(
		Security				Acquired						J
						(A) or						J
						Disposed						7
						of (D)						(
						(Instr. 3,						
						4, and 5)						
										Amount		
										or		
						Date	Expiration		Number			
							Exercisable	Date		of		
				Code V	(A) (D)				Shares			
					Code v	(A) (D)				Shares		

X

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

MOONEY EDWARD J C/O CABOT MICROELECTRONICS CORPORATION 870 COMMONS DRIVE AURORA, IL 60504

Signatures

/s/ H. Carol Bernstein (Power of Attorney) 12/09/2009

**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).

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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