

Polezoes Lisa A  
Form 4  
December 13, 2012

**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 \*  
Polezoes Lisa A

2. Issuer Name and Ticker or Trading Symbol  
CABOT MICROELECTRONICS CORP [CCMP]

5. Relationship of Reporting Person(s) to Issuer  
(Check all applicable)  
 Director  10% Owner  
 Officer (give title below)  Other (specify below)  
VP, Human Resources

(Last) (First) (Middle)  
C/O CABOT MICROELECTRONICS CORPORATION, 870 COMMONS DRIVE

3. Date of Earliest Transaction (Month/Day/Year)  
12/13/2012

(Street)  
AURORA, IL 60504

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

(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 Ownership (Instr. 4)
			Code	V	Amount	(D)	Price
Common Stock	12/13/2012		S		1,013	D	\$ 33.9575
Common Stock	12/13/2012		M		2,959	A	\$ 16
Common Stock	12/13/2012		S <sup>(1)</sup>		2,959	D	\$ 33.9329
Common Stock	12/13/2012		M		2,541	A	\$ 21.45

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Common Stock 12/13/2012 S(1) 2,541 D \$ 33.9329 9,052.54 D

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

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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)

Table with 7 main columns: 1. Title of Derivative Security, 2. Conversion or Exercise Price, 3. Transaction Date, 3A. Deemed Execution Date, 4. Transaction Code, 5. Number of Derivative Securities, 6. Date Exercisable and Expiration Date, 7. Title and Amount of Underlying Securities. Includes rows for Stock Options (Right to Buy) with prices of \$16 and \$21.45.

Reporting Owners

Table for Reporting Owners with columns: Reporting Owner Name / Address, Relationships (Director, 10% Owner, Officer, Other). Entry for Polezoes Lisa A, C/O CABOT MICROELECTRONICS CORPORATION, VP, Human Resources.

Signatures

/s/ H. Carol Bernstein (Power of Attorney) 12/13/2012

\*\*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 of, and taxes related to, exercise and sale of stock options.

(2) With original vesting schedule of 25% quarterly per year beginning on the first anniversary of grant date December 1, 2008.

(3) With original vesting schedule of 25% quarterly per year beginning on the first anniversary of grant date December 1, 2009.

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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