CABOT MICROELECTRONICS CORP

Form 4

August 22, 2007

FORM 4

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

Check this box if no longer

subject to Section 16. Form 4 or

Form 5 obligations may continue.

See Instruction

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person *

SMITH STEPHEN R

(Last) (First) (Middle)

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

(Street)

4. If Amendment, Date Original Filed(Month/Day/Year)

AURORA, IL 60504

2. Issuer Name and Ticker or Trading

Symbol

CABOT MICROELECTRONICS CORP [CCMP]

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

08/21/2007

response...

OMB

Number:

Expires:

OMB APPROVAL

Estimated average

burden hours per

3235-0287

January 31,

2005

0.5

5. Relationship of Reporting Person(s) to

Issuer

(Check all applicable)

Director 10% Owner Other (specify X_ Officer (give title

below) Vice President, Marketing and

6. Individual or Joint/Group Filing(Check

Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting

(City) (State) (Zin)

(City)	(State)	Table	e I - Non-D	erivative	Secur	ities Acqu	uired, Disposed of	, or Beneficial	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactio Code (Instr. 8)	4. Securities Acquired on(A) or Disposed of (D) (Instr. 3, 4 and 5)		5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
			Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)		
Common Stock	08/21/2007		M	6,200	A	\$ 30.51	14,747	D	
Common Stock	08/21/2007		S	200	D	\$ 41.17	14,547	D	
Common Stock	08/21/2007		S	598	D	\$ 41.18	13,949	D	
Common Stock	08/21/2007		S	100	D	\$ 41.18	13,849	D	

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Common Stock	08/21/2007	S	300	D	\$ 41.19 13,549	D
Common Stock	08/21/2007	S	300	D	\$ 41.19 13,249	D
Common Stock	08/21/2007	S	2	D	\$ 41.19 13,247	D
Common Stock	08/21/2007	S	200	D	\$ 41.2 13,047	D
Common Stock	08/21/2007	S	400	D	\$ 41.2 12,647	D
Common Stock	08/21/2007	S	600	D	\$ 41.2 12,047	D
Common Stock	08/21/2007	S	400	D	\$ 41.2 11,647	D
Common Stock	08/21/2007	S	100	D	\$ 41.21 11,547	D
Common Stock	08/21/2007	S	200	D	\$ 41.21 11,347	D
Common Stock	08/21/2007	S	600	D	\$ 41.22 10,747	D
Common Stock	08/21/2007	S	600	D	\$ 41.22 10,147	D
Common Stock	08/21/2007	S	100	D	\$ 41.23 10,047	D
Common Stock	08/21/2007	S	300	D	\$ 41.23 9,747	D
Common Stock	08/21/2007	S	600	D	\$ 41.24 9,147	D
Common Stock	08/21/2007	S	200	D	\$ 41.24 8,947	D
Common Stock	08/21/2007	S	300	D	\$ 41.25 8,647	D
Common Stock	08/21/2007	S	100	D	\$ 41.25 8,547	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)

 $\label{thm:convergence} \begin{tabular}{ll} Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned \\ (e.g., puts, calls, warrants, options, convertible securities) \end{tabular}$

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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)	Securities		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)		8 I I
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Stock Options (Right to buy)	\$ 30.51	08/21/2007		M		6,200	12/09/2006	12/09/2015	Common Stock	6,200	

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer

SMITH STEPHEN R C/O CABOT MICROELECTRONICS CORPORATION 870 COMMONS DRIVE AURORA, IL 60504

and

Vice President, Marketing

Other

Signatures

H. Carol Bernstein 08/22/2007

**Signature of Date 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.

Reporting Owners 3