

CABOT MICROELECTRONICS CORP  
 Form 4  
 August 22, 2007

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
 Expires: January 31, 2005  
 Estimated average burden hours per response... 0.5

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**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 \*  
 SMITH STEPHEN R

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)  
 08/21/2007

Director  10% Owner  
 Officer (give title below)  Other (specify below)  
 Vice President, Marketing and

C/O CABOT MICROELECTRONICS CORPORATION, 870 COMMONS DRIVE

(Street)

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

AURORA, IL 60504

(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 Ownership (Instr. 4)
				Code V	Amount (A) or Price (D)		
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.

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

SEC 1474  
(9-02)

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

