

CABOT MICROELECTRONICS CORP  
 Form 4  
 August 22, 2007

**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 \*  
**PIKE DANIEL J**

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, Operations**

**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 (D)	Price
Common Stock	08/21/2007		M		7,095	A	\$ 30.51
Common Stock	08/21/2007		S		700	D	\$ 41.22
Common Stock	08/21/2007		S		400	D	\$ 41.22
Common Stock	08/21/2007		S		400	D	\$ 41.22

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Common Stock	08/21/2007	S	200	D	\$ 41.23	24,416.457	D
Common Stock	08/21/2007	S	200	D	\$ 41.23	24,216.457	D
Common Stock	08/21/2007	S	500	D	\$ 41.24	23,716.457	D
Common Stock	08/21/2007	S	200	D	\$ 41.24	23,516.457	D
Common Stock	08/21/2007	S	500	D	\$ 41.25	23,016.457	D
Common Stock	08/21/2007	S	200	D	\$ 41.25	22,816.457	D
Common Stock	08/21/2007	S	900	D	\$ 41.25	21,916.457	D
Common Stock	08/21/2007	S	100	D	\$ 41.26	21,816.457	D
Common Stock	08/21/2007	S	395	D	\$ 41.26	21,421.457	D
Common Stock	08/21/2007	S	2	D	\$ 41.26	21,419.457	D
Common Stock	08/21/2007	S	98	D	\$ 41.27	21,321.457	D
Common Stock	08/21/2007	S	201	D	\$ 41.28	21,120.457	D
Common Stock	08/21/2007	S	399	D	\$ 41.28	20,721.457	D
Common Stock	08/21/2007	S	100	D	\$ 41.3	20,621.457	D
Common Stock	08/21/2007	S	100	D	\$ 41.31	20,521.457	D
Common Stock	08/21/2007	S	200	D	\$ 41.31	20,321.457	D
Common Stock	08/21/2007	S	100	D	\$ 41.32	20,221.457	D
Common Stock	08/21/2007	S	100	D	\$ 41.32	20,121.457	D
Common Stock	08/21/2007	S	200	D	\$ 41.32	19,921.457	D
Common Stock	08/21/2007	S	200	D	\$ 41.35	19,721.457	D
	08/21/2007	S	300	D		19,421.457	D

Common Stock					\$			
					41.49			
Common Stock	08/21/2007		S	200	D	\$ 41.5	19,221.457	D
Common Stock	08/21/2007		S	200	D	\$ 41.5	19,021.457	D

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

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**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. Transaction Code (Instr. 8)	5. Number of Derivative Securities (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Amount or Number of Shares
Stock Options (Right to buy)	\$ 30.51	08/21/2007		M	7,095	12/09/2006 12/09/2015	Common Stock	7,095

## Reporting Owners

**Reporting Owner Name / Address**

**Relationships**

Director 10% Owner Officer Other

PIKE DANIEL J  
C/O CABOT MICROELECTRONICS CORPORATION  
870 COMMONS DRIVE  
AURORA, IL 60504

Vice President, Operations

## Signatures

H. Carol Bernstein 08/22/2007

\*\*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.

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