

FULLER H LAURANCE  
 Form 4  
 August 10, 2005

**FORM 4**

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

OMB APPROVAL

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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 \*  
 FULLER H LAURANCE

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)  
 08/09/2005

Director  10% Owner  
 Officer (give title below)  Other (specify below)

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) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|
|                                 |                                      |  |                                | (A) or (D) Price  |   |  |                                   |
| Common Stock                    |                                      |  |                                |   | 7,000   | 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)

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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 Acquired (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 Security (Instr. 3 and 4) |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|
|  |  |                                      |  | Code                           | V (A) (D)   | Date Exercisable Expiration Date                         | Title Amount Number Shares                                  |
| Phantom Stock                              | \$ 27.45   |                                      |  |                                |   | 07/21/2004 07/21/2004                                    | Common Stock 36.  |
| Phantom Stock                              | \$ 28.05   |                                      |  |                                |   | 06/14/2004 06/14/2004                                    | Common Stock 71.  |
| Phantom Stock                              | \$ 28.72   |                                      |  |                                |   | 05/05/2005 05/05/2005                                    | Common Stock 52.  |
| Phantom Stock                              | \$ 30.43   |                                      |  |                                |   | 01/29/2005 01/29/2005                                    | Common Stock 32.  |
| Phantom Stock                              | \$ 30.81   |                                      |  |                                |   | 06/13/2005 06/13/2005                                    | Common Stock 146.   |
| Phantom Stock                              | \$ 32.02   |                                      |  |                                |   | 03/08/2005 03/08/2005                                    | Common Stock 1,54.  |
| Phantom Stock                              | \$ 34.3  |                                      |  |                                |   | 09/28/2004 09/28/2004                                    | Common Stock 87.  |
| Phantom Stock                              | \$ 34.39   |                                      |  |                                |   | 08/23/2004 08/23/2004                                    | Common Stock 29.  |
| Phantom Stock                              | \$ 37.8  |                                      |  |                                |   | 11/29/2004 11/29/2004                                    | Common Stock 26.  |
| Phantom Stock                              | \$ 39.18   |                                      |  |                                |   | 12/07/2004 12/07/2004                                    | Common Stock 76.  |
| Phantom Stock                              | \$ 42.44   |                                      |  |                                |   | 03/09/2004 03/09/2004                                    | Common Stock 518.   |
| Phantom Stock                              | \$ 50.1  |                                      |  |                                |   | 12/08/2003 12/08/2003                                    | Common Stock 59.  |
| Phantom Stock                              | \$ 50.95   |                                      |  |                                |   | 06/17/2003 06/17/2003                                    | Common Stock 1,23.  |
| Phantom Stock                              | \$ 52.5  |                                      |  |                                |   | 11/05/2003 11/05/2003                                    | Common Stock 19.  |
| Phantom Stock                              | \$ 55.37   |                                      |  |                                |   | 11/03/2003 11/03/2003                                    | Common Stock 162.   |
| Phantom Stock                              | \$ 59.05   |                                      |  |                                |   | 09/24/2003 09/24/2003                                    | Common Stock 50.  |

|                              |            |            |                  |         |            |                           |              |     |
|------------------------------|------------|------------|------------------|---------|------------|---------------------------|--------------|-----|
| Phantom Stock                | \$ 91.6031 |            |                  |         | 07/22/2005 | 07/22/2005                | Common Stock | 91. |
| Phantom Stock                | \$ 28.57   | 08/09/2005 | J <sup>(1)</sup> | 52.5026 | 08/09/2005 | 08/09/2005 <sup>(2)</sup> | Common Stock | 52. |
| Stock Options (Right to buy) | \$ 32.02   |            |                  |         | 03/08/2006 | 03/08/2015                | Common Stock | 10  |
| Stock Options (Right to buy) | \$ 38.34   |            |                  |         | 03/11/2004 | 03/11/2013                | Common Stock | 7.  |
| Stock Options (Right to buy) | \$ 42.44   |            |                  |         | 03/09/2005 | 03/09/2014                | Common Stock | 10  |
| Stock Options (Right to buy) | \$ 45.49   |            |                  |         | 06/17/2002 | 06/17/2012                | Common Stock | 22  |

## Reporting Owners

| Reporting Owner Name / Address   | Relationships |           |         |       |
|--|---------------|-----------|---------|-------|
|  | Director      | 10% Owner | Officer | Other |
| FULLER H LAURANCE<br>C/O CABOT MICROELECTRONICS CORPORATION<br>870 COMMONS DRIVE<br>AURORA, IL 60504 | X             |           |         |       |

## Signatures

H. Carol Bernstein (Power of Attorney) 08/10/2005

\*\*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).
- (2) Rights to acquire shares pursuant to Directors' Deferred Compensation Plan are already earned.
- (1) Rights to acquire shares pursuant to Directors' Deferred Compensation Plan adopted March 12, 2001 as amended June 17, 2003.

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.