

Naman Ananth
 Form 4
 February 08, 2011

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 *
 Naman Ananth

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, Research & Development

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

3. Date of Earliest Transaction (Month/Day/Year)
 02/07/2011

(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 Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|---|
| | | | Code | V | Amount | (D) | Price |
| Common Stock | 02/07/2011 | | S | | 1,442 | D | \$ 46.7599 |
| Common Stock | 02/07/2011 | | M | | 450 | A | \$ 31.57 |
| Common Stock | 02/07/2011 | | S | | 450 | D | \$ 46.7599 |
| Common Stock | 02/07/2011 | | M | | 375 | A | \$ 37.4 |

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| | | | | | | | |
|--------------|------------|---|-------|---|------------|----------|---|
| Common Stock | 02/07/2011 | S | 375 | D | \$ 46.7599 | 3,162.78 | D |
| Common Stock | 02/07/2011 | M | 625 | A | \$ 32.09 | 3,787.78 | D |
| Common Stock | 02/07/2011 | S | 625 | D | \$ 46.7599 | 3,162.78 | D |
| Common Stock | 02/07/2011 | M | 755 | A | \$ 23.21 | 3,917.78 | D |
| Common Stock | 02/07/2011 | S | 755 | D | \$ 46.7599 | 3,162.78 | D |
| Common Stock | 02/07/2011 | M | 1,162 | A | \$ 31.11 | 4,324.78 | D |
| Common Stock | 02/07/2011 | S | 1,162 | D | \$ 46.7599 | 3,162.78 | 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.

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(9-02)

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 Securities (Instr. 3 and 4) | Amount or Number of Shares | |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|----------------------------|-----|
| | | | | Code | V (A) (D) | Date Exercisable | Expiration Date | Title | |
| Stock Options (Right to Buy) | \$ 31.57 | 02/07/2011 | | M | 450 | 12/01/2007 ⁽¹⁾ | 12/01/2016 | Common Stock | 450 |
| Stock Options (Right to Buy) | \$ 37.4 | 02/07/2011 | | M | 375 | 11/30/2008 ⁽²⁾ | 11/30/2017 | Common Stock | 375 |
| Stock Options | \$ 32.09 | 02/07/2011 | | M | 625 | 01/21/2009 ⁽³⁾ | 01/21/2018 | Common Stock | 625 |

| | | | | | | | | | |
|------------------------------|----------|------------|---|-------|---------------------------|------------|--------------|-------|--|
| (Right to Buy) | | | | | | | | | |
| Stock Options (Right to Buy) | \$ 23.21 | 02/07/2011 | M | 755 | 12/01/2009 ⁽⁴⁾ | 12/01/2018 | Common Stock | 755 | |
| Stock Options (Right to Buy) | \$ 31.11 | 02/07/2011 | M | 1,162 | 12/01/2010 ⁽⁵⁾ | 12/01/2019 | Common Stock | 1,162 | |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|----------------------------|-------|
| | Director | 10% Owner | Officer | Other |
| Naman Ananth C/O CABOT MICROELECTRONICS CORPORATION 870 COMMONS DRIVE AURORA, IL 60504 | | | VP, Research & Development | |

Signatures

/s/ H. Carol Bernstein (Power of Attorney) 02/08/2011

__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) With original vesting schedule of 25% quarterly per year beginning on the first anniversary of grant date 12/1/2006.
- (2) With original vesting schedule of 25% quarterly per year beginning on the first anniversary of grant date 11/30/2007.
- (3) With original vesting schedule of 25% quarterly per year beginning on the first anniversary of grant date 1/21/2008.
- (4) With original vesting schedule of 25% quarterly per year beginning on the first anniversary of grant date 12/1/2008.
- (5) With original vesting schedule of 25% quarterly per year beginning on the first anniversary of grant date 12/1/2009.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. 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.