Weisman Adam Form 4 December 02, 2010

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB APPROVAL

OMB 3235-0287 Number:

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Check this box if no longer subject to Section 16.

SECURITIES Form 4 or Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations may continue.

See Instruction

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).

(Last)

(Print or Type Responses)

1. Name and Address of Reporting Person * Weisman Adam

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

CABOT MICROELECTRONICS

CORP [CCMP]

(Check all applicable)

10% Owner

3. Date of Earliest Transaction

(Month/Day/Year) 12/01/2010

X_ Officer (give title Other (specify below) VP, Business Operations

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

(First)

(Street) 4. If Amendment, Date Original

(Month/Day/Year)

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Applicable Line)

Director

X Form filed by One Reporting Person Form filed by More than One Reporting

AURORA, IL 60504

(Middle)

(State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)

(City)

2. Transaction Date 2A. Deemed (Month/Day/Year) Execution Date, if

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 8) (Instr. 3, 4 and 5) 5. Amount of 6. Ownership 7. Nature of Securities Form: Direct Indirect Beneficially (D) or Beneficial Owned Indirect (I) Ownership Following (Instr. 4) (Instr. 4)

Reported (A) Transaction(s) or (Instr. 3 and 4)

Code V Amount (D) Price

Common 12/01/2010 Stock

6,400 A (1)

\$0 37,702.362

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)	TransactionDerivative E		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount o Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Share
Stock Options (Right to Buy)	\$ 41.51	12/01/2010		A	19,200	12/01/2011(2)	12/01/2020	Common Stock	19,200

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Weisman Adam C/O CABOT MICROELECTRONICS CORPORATION 870 COMMONS DRIVE AURORA, IL 60504

VP, Business Operations

Signatures

/s/ H. Carol Bernstein (Power of Attorney) 12/02/2010

**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) 2010 (FY11) Restricted Stock Award Vesting Schedule: 25% 12/1/2011, 25% 12/1/2012, 25% 12/1/2013, 25% 12/1/2014.
- (2) 2010 (FY11) Non-Qualified Stock Option Grant Vesting Schedule: 25% 12/1/2011, 25% 12/1/2012, 25% 12/1/2013, 25% 12/1/2014.

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.

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