MOORTHY GANESH

Form 4

December 03, 2010

OMB APPROVAL FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION **OMB** 3235-0287 Washington, D.C. 20549 Number: Check this box January 31, Expires: if no longer STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF subject to Estimated average **SECURITIES** Section 16. burden hours per Form 4 or response... Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

2. Issuer Name and Ticker or Trading

3. Date of Earliest Transaction

MICROCHIP TECHNOLOGY INC

Symbol

[MCHP]

(Month/Day/Year)

12/03/2010

(Print or Type Responses)

MOORTHY GANESH

1. Name and Address of Reporting Person *

(First)

C/O MICROCHIP TECHNOLOGY

(Middle)

1(b).

(Last)

| INCORPORATED, 2355 WEST CHANDLER BOULEVARD | | | | | | | | | | | |
|---|---|--|--|-------------------------------------|---|---------------|--|--|---|--|--|
| | nendment, Date Original | | | | 6. Individual or Joint/Group Filing(Check | | | | | | |
| CHANDL | ER, AZ 85224-61 | Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person | | | | | | | | | |
| (City) | (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. Transactic Code (Instr. 8) | 4. Securition Dispose (Instr. 3, 4) | ed of | | 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) | | |
| Common Stock | 12/03/2010 | | M | 20,000 | A | \$ 23.7 | 68,133 <u>(1)</u> | I | Shares held Directly and Indirectly, by Trust. | | |
| Common Stock | 12/03/2010 | | S | 20,000 | D | \$ 35.3541 | 48,133 (2) | I | Shares held Directly | | |

2005

0.5

5. Relationship of Reporting Person(s) to

(Check all applicable)

Exec. VP & COO

10% Owner

_ Other (specify

Issuer

below)

Director

_X__ Officer (give title

and Indirectly, by Trust.

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

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SEC 1474

(9-02)

Exec. VP & COO

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. Transactic Code (Instr. 8) | 5. Number of orDerivative 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) | |
|---|---|---|---|--|---|--|--------------------|---|-------------------------------------|
| | | | | Code V | (A) (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |
| Common Stock Option (Right to Buy) | \$ 23.7 | 12/03/2010 | | M | 20,000 | 12/03/2002 | 12/03/2011 | Common Stock | 72,000 |

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

MOORTHY GANESH C/O MICROCHIP TECHNOLOGY INCORPORATED 2355 WEST CHANDLER BOULEVARD CHANDLER, AZ 85224-6199

Signatures

Deborah L. Wussler, as Attorney-in-Fact

**Signature of Reporting Person Date

Reporting Owners 2

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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) Of the 68,133 shares held, 12,186 shares were held Directly; 55,947 shares were held by Trust.
- (2) Of the 48,133 shares held, 12,186 shares were held Directly; 35,947 shares were held by Trust.

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.