

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

Check this box if no longer
subject to Section 16. Form 4 or
Form 5 obligations may continue.
See Instruction 1(b).

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

| | | |
|--|---|---|
| 1. Name and Address of Reporting Person* J. Eric Bjornholt c/o Microchip Technology Incorporated 2355 West Chandler Boulevard Chandler AZ 85224-6199 | 2. Issuer Name and Ticker or Trading Symbol Microchip Technology Incorporated [MCHP] | 5. Relationship of Reporting Person(s) to Issuer (check all applicable) ___ Director ___ 10% Owner _X_ Officer (give title below) ___ Other (specify below) VP and CFO |
| | 3. Date of Earliest Transaction Required to be Reported (Month/Day/Year) 02/15/2012 | |
| | 4. If amendment, Date Original Filed (Month/Day/Year) | 6. Individual or Joint/Group Filing (Check Applicable Line) _X_ Form filed by One Reporting Person ___ Form filed by More Than One Reporting Person |

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

| 1. Title of Security (Instr. 3) | 2. Transaction Date (mm/dd/yy) | 2A. Deemed Execution Date, if any (mm/dd/yy) | 3. Transaction Code (Instr. 8) | | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, & 5) | | | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3, & 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|------------------------------------|--------------------------------------|---|--------------------------------------|---|---|------------------|---------|--|--|---|
| | | | Code | V | Amount | (A) or (D) | Price | | | |
| Common Stock | 02/15/2012 | | M | | 318 | A | \$36.70 | 13,872 | D | |
| Common Stock | 02/15/2012 | | F | | 98 | D | \$36.70 | 13,774 | D | |

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

* If the form is filed by more than one reporting person, see Instruction 4(b)(v).

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.

Form 4 (cont.)
 Name and Address of Reporting Person
 J. Eric Bjornholt
 c/o Microchip Technology Incorporated
 2355 West Chandler Boulevard
 Chandler AZ 85224-6199

Issuer Name and Ticker or Trading Symbol
 Microchip Technology Incorporated [MCHP]

Period Of Report
 02/15/2012

**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 (mm/dd/yy) | 3A. Deemed Execution Date, if any (mm/dd/yy) | 4. Transaction Code (Instr. 8) | | 5. No. of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, & 5) | | 6. Date Exercisable and Expiration Date (mm/dd/yy) | | 7. Title and Amount of Underlying Securities (Instr. 3 & 4) | | 8. Price of Derivative Security (Instr. 5) | 9. No. of Derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3, & 4) | 10. Ownership Form of Derivative Securities: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |
|--|--|--------------------------------|--|--------------------------------|---|--|-----|--|-----------------|---|----------------------------|--|--|--|--|
| | | | | Code | V | (A) | (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | | | | |
| Restricted Stock Units | \$36.70 | 02/15/2012 | | M | | | 318 | (1) | (1) | Common Stock | 2,540 | \$0 | 954 | D | |

Explanation of Responses:

(1) - The restricted stock units will vest in eight equal quarterly installments beginning February 15, 2011 as long as the individual remains a service provider through the vesting date. Vested shares will be delivered to the reporting person upon vest.

By: Deborah L. Wussler, as Attorney-in-Fact
 **Signature of Reporting Person

2/17/2012
 Date

**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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