Bjornholt James Eric Form 4 April 01, 2010

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL

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if no longer subject to Section 16. Form 4 or Form 5

Check this box

obligations may continue. See Instruction

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(b).

(Last)

(Print or Type Responses)

1. Name and Address of Reporting Person * Bjornholt James Eric

2. Issuer Name and Ticker or Trading Symbol MICROCHIP TECHNOLOGY INC

Issuer

(Check all applicable)

VP and CFO

5. Relationship of Reporting Person(s) to

[MCHP]

3. Date of Earliest Transaction

(Month/Day/Year) 04/01/2010

Director X_ Officer (give title below)

10% Owner Other (specify

C/O MICROCHIP TECHNOLOGY **INCORPORATED, 2355 WEST** CHANDLER BOULEVARD

(First)

(Middle)

(Street) 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

CHANDLER, AZ 85224-6199

(City) (State) (Zip)

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

1.Title of Security (Instr. 3)

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

(Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Disposed of (D) Code (Instr. 8) (Instr. 3, 4 and 5)

(A)

5. Amount of Securities Beneficially Owned Following

6. Ownership 7. Nature of Form: Direct Indirect (D) or Beneficial Indirect (I) Ownership (Instr. 4) (Instr. 4)

Reported Transaction(s)

Code V Amount (D) Price Common

(Instr. 3 and 4)

Stock

9,571 D

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

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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 proof 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)		8. Pr Deriv Secu (Inst)
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Restricted Stock Units	(1)	04/01/2010		A	3,292	(2)	<u>(2)</u>	Common Stock	3,292	\$
Restricted Stock Units	(1)	04/01/2010		A	250	(3)	(3)	Common Stock	250	\$

Reporting Owners

CHANDLER, AZ 85224-6199

Reporting Owner Name / Address		Relationships					
	Director	10% Owner	Officer	Other			
Bjornholt James Eric							
C/O MICROCHIP TECHNOLOGY INCORPORATED 2355 WEST CHANDLER BOULEVARD			VP and CFO				

Signatures

Deborah L. Wussler, as Attorney-in-Fact 04/01/2010

**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) Each restricted stock unit represents a contingent right to receive one share of Microchip Technology Incorporated common stock.
- The restricted stock units will vest in full on May 15, 2014 as long as the individual remains a service provider through the vesting date (2) and the Company achieves performance targets for operating profit in the quarter ended March 31, 2011. Vested shares will be delivered to the reporting person upon vest.
- The restricted stock units will vest in full on May 15, 2012 as long as the individual remains a service provider through the vesting date (3) and the Company achieves performance targets for operating profit in the quarter ended March 31, 2011. Vested shares will be delivered to the reporting person upon vest.

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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