

Bjornholt James Eric
 Form 4
 August 03, 2010

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 *
 Bjornholt James Eric

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction
 (Month/Day/Year)
 08/01/2010

____ Director
 Officer (give title below)
 ____ 10% Owner
 ____ Other (specify below)
 VP and CFO

C/O MICROCHIP TECHNOLOGY INCORPORATED, 2355 WEST CHANDLER BOULEVARD

(Street)

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

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 (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 Ownership (Instr. 4)
				(A) or (D)	Price		
Common Stock	08/01/2010		M	A	\$ 30.65	10,406	D
Common Stock	08/01/2010		F	D	\$ 30.65	10,302	D
Common Stock	08/01/2010		M	A	\$ 30.65	10,651	D
Common Stock	08/01/2010		F	D	\$ 30.65	10,544	D
	08/01/2010		M	A		10,621	D

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Common Stock						\$ 30.65	
Common Stock	08/01/2010		F	24	D	\$ 30.65	10,597 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)	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)	8. Price or Value of Underlying Securities (Instr. 3 and 4)	
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Restricted Stock Units	\$ 30.65	08/01/2010		M	339	(1)	(1)	Common Stock	1,354
Restricted Stock Units	\$ 30.65	08/01/2010		M	349	(2)	(2)	Common Stock	349
Restricted Stock Units	\$ 30.65	08/01/2010		M	77	(3)	(3)	Common Stock	615

Reporting Owners

Reporting Owner Name / Address

Bjornholt James Eric
C/O MICROCHIP TECHNOLOGY INCORPORATED
2355 WEST CHANDLER BOULEVARD
CHANDLER, AZ 85224-6199

Relationships

Director 10% Owner Officer Other

VP and CFO

Signatures

Deborah L. Wussler, as
Attorney-in-Fact

08/03/2010

__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) The restricted stock units will vest in four equal quarterly installments beginning May 1, 2010. Vested shares will be delivered to the reporting person upon vest.
- (2) The restricted stock units will vest in full on the first business day of the month following the second anniversary of the date of grant. Vested shares will be delivered to the reporting person upon vest.
- (3) The restricted stock units vest in one installment of 76 shares on August 1, 2009, and in seven equal quarterly installments of 77 shares each beginning November 1, 2009. 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.