

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934
or Section 30(h) of the Investment Company Act of 1940

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1. Name and Address of Reporting Person* <u>Bjornholt James Eric</u> (Last) (First) (Middle) <u>C/O MICROCHIP TECHNOLOGY</u> <u>INCORPORATED</u> <u>2355 WEST CHANDLER BOULEVARD</u> (Street) <u>CHANDLER</u> <u>AZ</u> <u>85224-6199</u> (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) <u>01/01/2009</u>	3. Issuer Name and Ticker or Trading Symbol <u>MICROCHIP TECHNOLOGY INC [MCHP]</u> 4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>VP and CFO</u>	5. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person
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Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
<u>Common Stock</u>	<u>4,880</u>	<u>D</u>	

Table II - Derivative Securities Beneficially Owned
(e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			
<u>Restricted Stock Units</u>	<u>(1)</u>	<u>(1)</u>	<u>Common Stock</u>	<u>1,320</u>	<u>0⁽²⁾</u>	<u>D</u>	
<u>Restricted Stock Units</u>	<u>(1)</u>	<u>(1)</u>	<u>Common stock</u>	<u>249</u>	<u>0⁽²⁾</u>	<u>D</u>	
<u>Restricted Stock Units</u>	<u>(3)</u>	<u>(3)</u>	<u>Common Stock</u>	<u>1,354</u>	<u>0⁽²⁾</u>	<u>D</u>	
<u>Restricted Stock Units</u>	<u>(4)</u>	<u>(4)</u>	<u>Common Stock</u>	<u>425</u>	<u>0⁽²⁾</u>	<u>D</u>	
<u>Restricted Stock Units</u>	<u>(5)</u>	<u>(5)</u>	<u>Common Stock</u>	<u>300</u>	<u>0⁽²⁾</u>	<u>D</u>	
<u>Restricted Stock Units</u>	<u>(4)</u>	<u>(4)</u>	<u>Common Stock</u>	<u>425</u>	<u>0⁽²⁾</u>	<u>D</u>	
<u>Restricted Stock Units</u>	<u>(4)</u>	<u>(4)</u>	<u>Common Stock</u>	<u>430</u>	<u>0⁽²⁾</u>	<u>D</u>	
<u>Restricted Stock Units</u>	<u>(4)</u>	<u>(4)</u>	<u>Common Stock</u>	<u>521</u>	<u>0⁽²⁾</u>	<u>D</u>	
<u>Restricted Stock Units</u>	<u>(5)</u>	<u>(5)</u>	<u>Common Stock</u>	<u>311</u>	<u>0⁽²⁾</u>	<u>D</u>	
<u>Restricted Stock Units</u>	<u>(6)</u>	<u>(6)</u>	<u>Common Stock</u>	<u>190</u>	<u>0⁽²⁾</u>	<u>D</u>	
<u>Restricted Stock Units</u>	<u>(4)</u>	<u>(4)</u>	<u>Common Stock</u>	<u>679</u>	<u>0⁽²⁾</u>	<u>D</u>	
<u>Restricted Stock Units</u>	<u>(7)</u>	<u>(7)</u>	<u>Common Stock</u>	<u>152</u>	<u>0⁽²⁾</u>	<u>D</u>	
<u>Restricted Stock Units</u>	<u>(5)</u>	<u>(5)</u>	<u>Common Stock</u>	<u>349</u>	<u>0⁽²⁾</u>	<u>D</u>	
<u>Restricted Stock Units</u>	<u>(6)</u>	<u>(6)</u>	<u>Common Stock</u>	<u>213</u>	<u>0⁽²⁾</u>	<u>D</u>	
<u>Restricted Stock Units</u>	<u>(4)</u>	<u>(4)</u>	<u>Common Stock</u>	<u>760</u>	<u>0⁽²⁾</u>	<u>D</u>	
<u>Restricted Stock Units</u>	<u>(8)</u>	<u>(8)</u>	<u>Common Stock</u>	<u>38</u>	<u>0⁽²⁾</u>	<u>D</u>	
<u>Restricted Stock Units</u>	<u>(9)</u>	<u>(9)</u>	<u>Common Stock</u>	<u>615</u>	<u>0⁽²⁾</u>	<u>D</u>	
<u>Restricted Stock Units</u>	<u>(5)</u>	<u>(5)</u>	<u>Common Stock</u>	<u>388</u>	<u>0⁽²⁾</u>	<u>D</u>	
<u>Restricted Stock Units</u>	<u>(6)</u>	<u>(6)</u>	<u>Common Stock</u>	<u>237</u>	<u>0⁽²⁾</u>	<u>D</u>	
<u>Restricted Stock Units</u>	<u>(4)</u>	<u>(4)</u>	<u>Common Stock</u>	<u>846</u>	<u>0⁽²⁾</u>	<u>D</u>	
<u>Restricted Stock Units</u>	<u>(10)</u>	<u>(10)</u>	<u>Common Stock</u>	<u>106</u>	<u>0⁽²⁾</u>	<u>D</u>	
<u>Restricted Stock Units</u>	<u>(11)</u>	<u>(11)</u>	<u>Common Stock</u>	<u>3,000</u>	<u>0⁽²⁾</u>	<u>D</u>	
<u>Restricted Stock Units</u>	<u>(12)</u>	<u>(12)</u>	<u>Common Stock</u>	<u>3,500</u>	<u>0⁽²⁾</u>	<u>D</u>	
<u>Restricted Stock Units</u>	<u>(13)</u>	<u>(13)</u>	<u>Common Stock</u>	<u>4,000</u>	<u>0⁽²⁾</u>	<u>D</u>	
<u>Restricted Stock Units</u>	<u>(14)</u>	<u>(14)</u>	<u>Common Stock</u>	<u>4,500</u>	<u>0⁽²⁾</u>	<u>D</u>	

Explanation of Responses:

1. The restricted stock units vest in eight equal quarterly installments beginning May 1, 2008. Vested shares will be delivered to the reporting person upon vest.
2. Each restricted stock unit represents a contingent right to receive one share of Microchip Technology Incorporated common stock.
3. 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.
4. The restricted stock units will vest in full on the first business day of the month following the fourth anniversary of the date of grant. Vested shares will be delivered to the reporting person upon vest.
5. 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.
6. The restricted stock units will vest in full on the first business day of the month following the third anniversary of the date of grant. Vested shares will be delivered to the reporting person upon vest.
7. The restricted stock units will vest in two equal quarterly installments beginning November 1, 2009. Vested shares will be delivered to the reporting person upon vest.
8. The restricted stock units will vest in full one year from the date of grant. Vested shares will be delivered to the reporting person upon vest.
9. The restricted stock units will 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.
10. The restricted stock units will vest in full on the first business day of the month following the first anniversary of the date of grant. Vested shares will be delivered to the reporting person upon vest.
11. The restricted stock units will vest in full on February 1, 2010. Vested shares will be delivered to the reporting person upon vest.
12. The restricted stock units will vest in full on February 1, 2011. Vested shares will be delivered to the reporting person upon vest.
13. The restricted stock units will vest in full on February 1, 2012. Vested shares will be delivered to the reporting person upon vest.
14. The restricted stock units will vest in full on February 1, 2013. Vested shares will be delivered to the reporting person upon vest.

Remarks:

Deborah L. Wussler, as Attorney-
in-Fact

01/07/2009

** Signature of Reporting Person

Date

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 5 (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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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 Number.

POWER OF ATTORNEY

Know all by these presents, that the undersigned hereby constitutes and appoints each of Steve Sanghi and Deborah L. Wussler, signing singly, the undersigned's true and lawful attorney-in-fact to:

(1) execute for and on behalf of the undersigned, in the undersigned's capacity as an officer and/or director of Microchip Technology Incorporated (the "Company"), Forms 3, 4, and 5 in accordance with Section 16(a) of the Securities Exchange Act of 1934 and the rules thereunder;

(2) do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete and execute any such Form 3, 4, or 5, complete and execute any amendment or amendments thereto, and timely file such form with the United States Securities and Exchange Commission and any stock exchange or similar authority; and

(3) take any other action of any type whatsoever in connection with the foregoing which, in the opinion of such attorney-in-fact, may be of benefit to, in the best interest of, or legally required by, the undersigned, it being understood that the documents executed by such attorney-in-fact on behalf of the undersigned pursuant to this Power of Attorney shall be in such form and shall contain such terms and conditions as such attorney-in-fact may approve in such attorney-in-fact's discretion.

The undersigned hereby grants to each such attorney-in-fact full power and authority to do and perform any and every act and thing whatsoever requisite, necessary, or proper to be done in the exercise of any of the rights and powers herein granted, as fully to all intents and purposes as the undersigned might or could do if personally present, with full power of substitution or revocation, hereby ratifying and confirming all that such attorney-in-fact, or such attorney-in-fact's substitute or substitutes, shall lawfully do or cause to be done by virtue of this power of attorney and the rights and powers herein granted. The undersigned acknowledges that the foregoing attorneys-in-fact, in serving in such capacity at the request of the undersigned, are not assuming, nor is the Company assuming, any

of the undersigned's responsibilities to comply with Section 16
of the Securities Exchange Act of 1934.

This Power of Attorney shall remain in full force and
effect until the undersigned is no longer required to file Forms
3, 4, and 5 with respect to the undersigned's holdings of and
transactions in securities issued by the Company, unless earlier
revoked by the undersigned in a signed writing delivered to the
foregoing attorneys-in-fact.

IN WITNESS WHEREOF, the undersigned has caused this Power
of Attorney to be executed as of this 2nd day of January , 2009.

/s/ J. Eric Bjornholt

Signature

J. Eric Bjornholt

Print Name