

FORM 4

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

OMB APPROVAL

OMB Number:	3235-0287
Estimated average burden hours per response:	0.5

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

☐ 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
or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>SIMONCIC RICHARD J</u> (Last) (First) (Middle) <u>C/O MICROCHIP TECHNOLOGY INCORPORATED</u> <u>2355 WEST CHANDLER BOULEVARD</u> (Street) <u>CHANDLER</u> <u>AZ</u> <u>85224-6199</u> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>MICROCHIP TECHNOLOGY INC [MCHP]</u> 3. Date of Earliest Transaction (Month/Day/Year) <u>11/01/2009</u> 4. If Amendment, Date of Original Filed (Month/Day/Year)	5. 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, Analog and Intrfc Prod Div</u> 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
--	--	--

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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	11/01/2009		M		1,375	A	\$24.09	79,250 ⁽¹⁾	I	Shares held Directly and Indirectly by Trust and by Reporting Person's Wife and Mother-in-Law ⁽¹⁾
Common Stock	11/01/2009		F		455	D	\$24.09	78,795 ⁽²⁾	I	Shares held Directly and Indirectly by Trust and by Reporting Person's Wife and Mother-in-Law ⁽²⁾
Common Stock	11/01/2009		M		45	A	\$24.09	78,840 ⁽³⁾	I	Shares held Directly and Indirectly by Trust and by Reporting Person's Wife and Mother-in-Law ⁽³⁾
Common Stock	11/01/2009		F		15	D	\$24.09	78,825 ⁽⁴⁾	I	Shares held Directly and Indirectly by Trust and by Reporting Person's Wife and Mother-in-Law ⁽⁴⁾

**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 Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: 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	\$24.09	11/01/2009		M			1,375	(5)	(5)	Common Stock	1,375	\$0	1,375	D	
Restricted Stock Units	\$24.09	11/01/2009		M			45	(6)	(6)	Common Stock	45	\$0	46	D	

Explanation of Responses:

1. Of the 79,250 shares held, 7,470 shares were held Directly; 71,555 shares were held by Trust; and 225 shares were held by Reporting Person's Wife and Mother-in-Law.
2. Of the 78,795 shares held, 7,015 shares were held Directly; 71,555 shares were held by Trust; and 225 shares were held by Reporting Person's Wife and Mother-in-Law.
3. Of the 78,840 shares held, 7,060 shares were held Directly; 71,555 shares were held by Trust; and 225 shares were held by Reporting Person's Wife and Mother-in-Law.
4. Of the 78,825 shares held, 7,045 shares were held Directly; 71,555 shares were held by Trust; and 225 shares were held by Reporting Person's Wife and Mother-in-Law.
5. 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.
6. The restricted stock units will vest 50% on 11/1/09 and 50% on 2/1/10 as long as the individual remains a service provider through the vesting date and the Company achieves performance targets for operating income in the six month period ending September 30, 2008.

Remarks:

Deborah L. Wussler, as Attorney-
in-Fact 11/03/2009

** 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 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).

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.