

FORM 4

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

OMB APPROVAL

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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>08/02/2013</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
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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	08/02/2013		M		5,828	A	\$26.14	122,892 ⁽¹⁾	I	Shares held Directly and Indirectly, by Trust and by Reporting Person's Wife and Mother-in-Law. ⁽¹⁾
Common Stock	08/02/2013		M		24,000	A	\$27.05	146,892 ⁽²⁾	I	Shares held Directly and Indirectly, by Trust and by Reporting Person's Wife and Mother-in-Law. ⁽²⁾
Common Stock	08/02/2013		M		10,000	A	\$26.25	156,892 ⁽³⁾	I	Shares held Directly and Indirectly, by Trust and by Reporting Person's Wife and Mother-in-Law. ⁽³⁾
Common Stock	08/02/2013		M		24,000	A	\$25.29	180,892 ⁽⁴⁾	I	Shares held Directly and Indirectly, by Trust and by Reporting Person's Wife and Mother-in-Law. ⁽⁴⁾

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	08/02/2013		S		39,828	D	\$41.2997	141,064 ⁽⁵⁾	I	Shares held Directly and Indirectly, by Trust and by Reporting Person's Wife and Mother-in-Law. ⁽⁵⁾
Common Stock	08/02/2013		S		24,000	D	\$41.2727	117,064 ⁽⁶⁾	I	Shares held Directly and Indirectly, by Trust and by Reporting Person's Wife and Mother-in-Law. ⁽⁶⁾

**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				
Common Stock Option (Right to Buy)	\$26.14	08/02/2013		M			5,828	10/09/2004	10/09/2013	Common Stock	5,828	\$0	0	D	
Common Stock Option (Right to Buy)	\$27.05	08/02/2013		M			24,000	03/31/2008	04/01/2014	Common Stock	24,000	\$0	0	D	
Common Stock Option (Right to Buy)	\$26.25	08/02/2013		M			10,000	07/21/2005	07/21/2014	Common Stock	10,000	\$0	0	D	
Common Stock Option (Right to Buy)	\$25.29	08/02/2013		M			24,000	03/31/2009	04/01/2015	Common Stock	24,000	\$0	0	D	

Explanation of Responses:

- Of the 122,892 shares held, 7,652 shares were held Directly; 115,015 shares were held by Trust; and 225 shares were held by Reporting Person's wife and mother-in-law.
- Of the 146,892 shares held, 7,652 shares were held Directly; 139,015 shares were held by Trust; and 225 shares were held by Reporting Person's wife and mother-in-law.
- Of the 156,892 shares held, 7,652 shares were held Directly; 149,015 shares were held by Trust; and 225 shares were held by Reporting Person's wife and mother-in-law.
- Of the 180,892 shares held, 7,652 shares were held Directly; 173,015 shares were held by Trust; and 225 shares were held by Reporting Person's wife and mother-in-law.
- Of the 141,064 shares held, 7,652 shares were held Directly; 133,187 shares were held by Trust; and 225 shares were held by Reporting Person's wife and mother-in-law.
- Of the 117,064 shares held, 7,652 shares were held Directly; 109,187 shares were held by Trust; and 225 shares were held by Reporting Person's wife and mother-in-law.

Remarks:

Deborah L. Wussler, as Attorney-in-Fact 08/05/2013

** 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.

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