

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>CHAPMAN MATTHEW W</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>08/01/2013</u> 4. If Amendment, Date of Original Filed (Month/Day/Year)	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner Officer (give title below) Other (specify below) 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	08/01/2013		M		925	A	\$41.69	31,772 ⁽¹⁾	I	Shares held Directly and Indirectly by Trust and by Reporting Person's Children.
Common Stock	08/05/2013		M		6,000	A	\$29.19	38,169 ⁽³⁾	I	Shares held Directly and Indirectly by Trust and by Reporting Person's Children. (3)
Common Stock	08/05/2013		M		6,000	A	\$31.01	44,169 ⁽⁴⁾	I	Shares held Directly and Indirectly by Trust and by Reporting Person's Children. (4)
Common Stock	08/05/2013		M		3,000	A	\$27.03	47,169 ⁽⁵⁾	I	Shares held Directly and Indirectly by Trust and by Reporting Person's Children. (5)
Common Stock	08/05/2013		S		15,000	D	\$41.5852	32,169 ⁽¹⁾	I	Shares held Directly and Indirectly by Trust

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			
										and by Reporting Person's Children. (1)

**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 Unit	\$41.69	08/01/2013		M			925	(2)	(2)	Common Stock	3,699	\$0	0	D	
Common Stock Option (Right to Buy)	\$29.19	08/05/2013		M			6,000	08/02/2005	08/02/2014	Common Stock	6,000	\$0	0	D	
Common Stock Option (Right to Buy)	\$31.01	08/05/2013		M			6,000	08/01/2006	08/01/2015	Common Stock	6,000	\$0	0	D	
Common Stock Option (Right to Buy)	\$27.03	08/05/2013		M			3,000	08/14/2010	08/14/2019	Common Stock	3,000	\$0	0	D	

Explanation of Responses:

- Of the 32,169 shares held, 31,772 shares were held Directly; 262 shares were held by Trust; and 135 shares were held by Reporting Person's children..
- The restricted stock units vest in four equal annual installments beginning August 1, 2010 as long as the individual remains a service provider through the vesting date. Vested shares will be delivered to the reporting person upon vest.
- Of the 38,169 shares held, 37,772 shares were held Directly; 262 shares were held by Trust; and 135 shares were held by Reporting Person's children..
- Of the 44,169 shares held, 43,772 shares were held Directly; 262 shares were held by Trust; and 135 shares were held by Reporting Person's children..
- Of the 47,169 shares held, 46,772 shares were held Directly; 262 shares were held by Trust; and 135 shares were held by Reporting Person's children..

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.

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.