LITTLE MITCHELL R

Form 4

August 03, 2010

FORM 4

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

OMB Number:

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OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * LITTLE MITCHELL R			2. Issuer Name and Ticker or Trading Symbol MICROCHIP TECHNOLOGY INC [MCHP]					5. Relationship of Reporting Person(s) to Issuer (Check all applicable)			
(Month/				Date of Earliest Transaction Ionth/Day/Year) 8/01/2010				Director 10% Owner X_ Officer (give title Other (specify below) VP, WW Sales and Appns.			
(Street) 4. If Amendment, Date Original Filed(Month/Day/Year) CHANDLER, AZ 85224-6199					6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting						
(City)	(State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned										
1.Title of Security (Instr. 3)	2. Transaction Date 2A. Deemed (Month/Day/Year) Execution Date, if any (Month/Day/Year)			3. 4. Securities Acquired , if Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5)				5. Amount of Securities Beneficially Owned Following Reported	Indirect (I)		
				Code V	Amount	or	Price	Transaction(s) (Instr. 3 and 4)			
Common Stock	08/01/2010			M	3,500	A	\$ 30.65	9,814	D		
Common Stock	08/01/2010			F	1,105	D	\$ 30.65	8,709	D		
Common Stock	08/02/2010			M	775	A	\$ 30.65	9,484	D		
Common Stock	08/02/2010			F	245	D	\$ 30.65	9,239	D		

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Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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SEC 1474 (9-02)

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)	Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	Secu Acqu (A) o Dispo	urities uired or posed of tr. 3, 4,	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)		8. Pr Deriv Secu (Inst
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Restricted Stock Units	\$ 30.65	08/01/2010		M		3,500	<u>(1)</u>	<u>(1)</u>	Common Stock	3,500	\$
Restricted Stock Units	\$ 30.65	08/02/2010		M		775	(2)	(2)	Common Stock	4,200	\$

Reporting Owners

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		
LITTLE MITCHELL R C/O MICROCHIP TECHNOLOGY INCORPORATED 2355 WEST CHANDLER BOULEVARD CHANDLER AZ 85224-6199			VP, WW Sales and Appns.			

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 vest in four equal quarterly installments beginning May 1, 2010. Vested shares will be delivered to the reporting person upon vest.

Reporting Owners 2

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The restricted stock units vest in eight equal quarterly installments beginning February 1, 2010, as long as the individual remains a service (2) provider through the vesting date and the Company achieves performance targets for operating profit in the quarter ending June 30, 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.