#### LITTLE MITCHELL R

Check this box

if no longer

subject to

Section 16.

Form 4 or

obligations

Form 5

Form 4

February 02, 2011

## FORM 4

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

**OMB APPROVAL** OMB

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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, 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 Departing De

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)			
(Last)	(First)	(Middle)	3. Date of Earliest Transaction					Director 10% Owner X Officer (give title Other (specify			
C/O MICROCHIP TECHNOLOGY INCORPORATED, 2355 WEST CHANDLER BOULEVARD			(Month/Day/Year) 02/01/2011					below)  VP, WW Sales and Appns.			
CHANDLE		(D)									
				endment, Date Original nth/Day/Year)				6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person			
CHANDLER, AZ 85224-6199							Form filed by More than One Reporting Person				
(City)	(State)	(Zip)	Tabl	e I - Non-I	Derivative	Secur	ities Acq	uired, Disposed o	f, or Beneficial	ly Owned	
1.Title of Security (Instr. 3)	2. Transaction Da (Month/Day/Yea	r) Execution	med on Date, if Day/Year)	3. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)			d of (D)	5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		
				Code V	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)			
Common Stock	02/01/2011			M	3,500	A	\$ 37.19	11,153	D		
Common Stock	02/01/2011			F	1,203	D	\$ 37.19	9,950	D		
Common Stock	02/01/2011			M	775	A	\$ 37.19	10,725	D		
Common Stock	02/01/2011			F	245	D	\$ 37.19	10,480	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)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transactic Code (Instr. 8)	Fransaction Derivative Code Securities		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)		8. Pr Deri Secu (Inst
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Restricted Stock Units	\$ 37.19	02/01/2011		M	:	3,500	<u>(1)</u>	<u>(1)</u>	Common Stock	14,000	9
Restricted Stock Units	\$ 37.19	02/01/2011		M		775	(2)	(2)	Common Stock	6,200	9

# **Reporting Owners**

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

# **Signatures**

Deborah L. Wussler, as Attorney-in-Fact 02/02/2011

\*\*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.

**(2)** 

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 provider through the vesting date. 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.