

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>LAMBERT DAVID S</u> (Last) (First) (Middle) <u>C/O MICROCHIP TECHNOLOGY INCORPORATED</u> <u>2355 WEST CHANDLER BOULEVARD</u> (Street) <u>CHANDLER AZ 85224-6199</u> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>MICROCHIP TECHNOLOGY INC [MCHP]</u>	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) <p style="text-align: center;">VP, Fab Operations</p>
	3. Date of Earliest Transaction (Month/Day/Year) <u>08/01/2010</u>	
4. If Amendment, Date of Original Filed (Month/Day/Year)		

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	08/01/2010		M		2,800	A	\$30.65	170,815 ⁽¹⁾	I	Shares held Directly and Indirectly by Trust and Reporting Person's Children. ⁽¹⁾
Common Stock	08/01/2010		F		842	D	\$30.65	169,973 ⁽²⁾	I	Shares held Directly and Indirectly by Trust and Reporting Person's Children. ⁽²⁾
Common Stock	08/02/2010		M		487	A	\$30.65	170,460 ⁽³⁾	I	Shares held Directly and Indirectly by Trust and Reporting Person's Children. ⁽³⁾
Common Stock	08/02/2010		F		147	D	\$30.65	170,313 ⁽⁴⁾	I	Shares held Directly and Indirectly by Trust and Reporting Person's Children. ⁽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	\$30.65	08/01/2010		M			2,800	(5)	(5)	Common Stock	11,200	\$0	5,600	D	
Restricted Stock Units	\$30.65	08/02/2010		M			487	(6)	(6)	Common Stock	3,900	\$0	2,439	D	

Explanation of Responses:

1. Of the 170,815 shares held, 8,683 shares were held Directly; 159,343 shares were held by Trust; 1,339 shares were held by Reporting Person's son; and 1,450 shares were held by Reporting Person's daughter..
2. Of the 169,973 shares held, 8,683 shares were held Directly; 158,501 shares were held by Trust; 1,339 shares were held by Reporting Person's son; and 1,450 shares were held by Reporting Person's daughter..
3. Of the 170,460 shares held, 8,683 shares were held Directly; 158,988 shares were held by Trust; 1,339 shares were held by Reporting Person's son; and 1,450 shares were held by Reporting Person's daughter..
4. Of the 170,313 shares held, 8,683 shares were held Directly; 158,841 shares were held by Trust; 1,339 shares were held by Reporting Person's son; and 1,450 shares were held by Reporting Person's daughter..
5. 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.
6. 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 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.

Remarks:

Deborah L. Wussler, as Attorney-in-Fact 08/03/2010

** 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.