DAY LB Form 4 August 24, 2010

FORM 4

OMB APPROVAL

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

OMB 3235-0287 Number:

January 31,

Check this box if no longer subject to Section 16.

Expires: STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

2005 Estimated average burden hours per 0.5

SECURITIES

response...

Form 4 or Form 5 obligations may continue. See Instruction

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

30(h) of the Investment Company Act of 1940

1(b).

(Last)

(Print or Type Responses)

1. Name and Address of Reporting Person * DAYLB

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to Issuer

Symbol

MICROCHIP TECHNOLOGY INC [MCHP]

(Check all applicable)

(Middle)

3. Date of Earliest Transaction (Month/Day/Year)

X_ Director 10% Owner Other (specify Officer (give title

C/O MICROCHIP TECHNOLOGY **INCORPORATED, 2355 WEST** CHANDLER BOULEVARD

(First)

08/20/2010

(Street)

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Filed(Month/Day/Year)

3.

Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting

CHANDLER, AZ 85224-6199

(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

TransactionAcquired (A) or Disposed of (D) Code (Instr. 8) (Instr. 3, 4 and 5)

4. Securities

5. Amount of Securities Beneficially Owned

6. Ownership 7. Nature of Form: Direct Indirect (D) or Beneficial Indirect (I) Ownership

(Instr. 4)

(Instr. 4)

D

Following Reported Transaction(s)

(A) (Instr. 3 and 4) Code V Amount (D) Price

Common Stock

6,478

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

(Month/Day/Year)

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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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. Transac Code (Instr. 8	5. Number tion 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 Underlying Securities (Instr. 3 and 4)		8. Pr Deri Secu (Inst
				Code V	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Restricted Stock Units	(1)	08/20/2010		A	2,796	(2)	(2)	Common Stock	2,796	

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

DAY L B C/O MICROCHIP TECHNOLOGY INCORPORATED 2355 WEST CHANDLER BOULEVARD CHANDLER, AZ 85224-6199



Signatures

Deborah L. Wussler, as Attorney-in-Fact 08/24/2010

**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) Each restricted stock unit represents a contingent right to receive one share of Microchip Technology Incorporated common stock.
- (2) The restricted stock units will vest in equal 50% annual installments on each of the two anniversaries of the tenth business day of the second month of the fiscal quarter in which the grant is made.

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.

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