FORM 4

### **UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

		ROVA
CHAIC	AFF	RUVA

OMB Number:	3235-0287
Estimated average burden	
hours per response:	0.5

## 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

of education of the influence of the contract											
1. Name and Address		r	2. Issuer Name <b>and</b> Ticker or Trading Symbol MICROCHIP TECHNOLOGY INC [ MCHP ]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)							
HUGU MAKI	<u>INEZ ALBERT J</u>	<u>!</u>		X	Director	10% Owner					
					Officer (give title	Other (specify					
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year)		below)	below)					
C/O MICROCHIP TECHNOLOGY INCORPORATED			08/20/2010								
2355 WEST CHAI	NDLER BOULEVA	RD									
(Street)			4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indiv	dividual or Joint/Group Filing (Check Applicable Line)						
CHANDLER	AZ	85224-6199		X	Form filed by One Reporting	ig Person					
CHANDLER	AL	03224-0177			Form filed by More than Or	ne Reporting Person					
(City)	(Ctata)	(7in)									
(City) (State) (Zip)											

### 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)	Transaction Code (Instr.		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership
			Code	v	Amount	(A) or (D)	Price	(Instr. 3 and 4)		(Instr. 4)
Common Stock								31,478	I	Shares held by Trust.

# 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		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	Form: Direct (D)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		Transaction(s) (Instr. 4)		
Restricted Stock Units	(1)	08/20/2010		A		2,796		(2)	(2)	Common Stock	2,796	\$0	2,796	D	

## Explanation of Responses:

- 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.

#### Remarks:

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

\*\* 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.