Form 4	GORDON W									
May 05, 200									OMB A	APPROVAL
FORM	14 UNITED	STATES					NGE C	COMMISSION	OMB	3235-0287
Check the	his box		Wa	shington	, D.C. 20	549			Number:	January 31,
if no longer subject to Section 16. Form 4 or						Expires: 200 Estimated average burden hours per response 0				
Form 5 obligation may cor <i>See</i> Inst 1(b).	ntinue. Section 17	(a) of the	Public U		ding Con	npan	y Act of	e Act of 1934, E 1935 or Sectio 40	n	
(Print or Type	Responses)									
	Address of Reporting GORDON W	Person <u>*</u>	Symbol	er Name an o OCHIP TI			-	5. Relationship of Issuer	Reporting Pe	erson(s) to
			[MCHI		ECHNUL	.00	I INC	(Chec	k all applicab	le)
			of Earliest T Day/Year)	ransaction			Director X Officer (give below)		% Owner her (specify	
INCORPO	OCHIP TECHNO RATED, 2355 W ER BOULEVARI	EST	05/01/2	2008				/	'P and CFO	
	(Street) ER, AZ 85224-61	00		endment, D onth/Day/Yea	-	1		6. Individual or Jo Applicable Line) _X_ Form filed by 0 Form filed by M	One Reporting I	Person
(City)	(State)	(Zip)						Person		
		-					_	uired, Disposed of		-
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)		Date, if	Code (Instr. 8)	4. Securit or(A) or Dis (Instr. 3, 4	sposed and f (A) or	l of (D) 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)
Common Stock	05/01/2008			M	Amount 1,300	(D) A	Price \$38	7,381 <u>(1)</u>	I	Held Directly and Indirectly by Trust (1)
Common Stock	05/01/2008			F	406	D	\$ 38	6,975 <u>(2)</u>	I	Held Directly and Indirectly, by Trust (2)

Common Stock	05/01/2008	М	1,875	А	\$ 38	8,850 <u>(3)</u>	Ι	Held Directly and Indirectly, by Trust (3)
Common Stock	05/01/2008	F	586	D	\$ 38	8,264 <u>(4)</u>	Ι	Held Directly and Indirectly, by Trust (4)
Common Stock	05/02/2008	М	1,060	А	\$ 21	9,324 <u>(5)</u>	Ι	Held Directly and Indirectly, by Trust (5)
Common Stock	05/02/2008	М	4,373	А	\$ 21	13,697 <u>(6)</u>	I	Held Directly and Indirectly, by Trust <u>(6)</u>
Common Stock	05/02/2008	М	93	A	\$ 18.48	13,790 <u>(7)</u>	I	Held Directly and Indirectly, by Trust <u>(7)</u>
Common Stock	05/02/2008	М	300	A	\$ 18.48	14,090 <u>(8)</u>	I	Held Directly and Indirectly, by Trust <u>(8)</u>
Common Stock	05/02/2008	М	2,000	A	\$ 18.48	16,090 <u>(9)</u>	Ι	Held Directly and Indirectly, by Trust (9)
Common Stock	05/02/2008	М	1,000	A	\$ 18.48	17,090 <u>(10)</u>	Ι	Held Directly and Indirectly, by Trust (10)
Common Stock	05/02/2008	М	2,000	A	\$ 18.48	19,090 <u>(11)</u>	I	Held Directly and Indirectly, by Trust (11)

Common Stock	05/02/2008	М	11,000	A	\$ 18.48	30,090 <u>(12)</u>	I	Held Directly and Indirectly, by Trust (12)
Common Stock	05/02/2008	М	940	A	\$ 18.48	31,030 <u>(13)</u>	I	Held Directly and Indirectly, by Trust (13)
Common Stock	05/02/2008	S	93	D	\$ 38	30,937 <u>(14)</u>	I	Held Directly and Indirectly, by Trust. (14)
Common Stock	05/02/2008	S	300	D	\$ 37.9	30,637 <u>(15)</u>	I	Held Directly and Indirectly, by Trust (15)
Common Stock	05/02/2008	S	2,000	D	\$ 37.6	28,637 <u>(16)</u>	I	Held Directly and Indirectly, by Trust (16)
Common Stock	05/02/2008	S	1,000	D	\$ 37.55	27,637 <u>(17)</u>	I	Held Directly and Indirectly, by Trust (17)
Common Stock	05/02/2008	S	2,000	D	\$ 37.65	25,637 <u>(18)</u>	I	Held Directly and Indirectly, by Trust (18)
Common Stock	05/02/2008	S	2,000	D	\$ 37.5	23,637 <u>(19)</u>	Ι	Held Directly and Indirectly, by Trust

								(19)
Common Stock	05/02/2008	S	2,000	D	\$ 37.5	21,637 <u>(20)</u>	Ι	Held Directly and Indirectly, by Trust (20)
Common Stock	05/02/2008	S	5,000	D	\$ 37.5	16,637 <u>(21)</u>	I	Held Directly and Indirectly, by Trust (21)
Common Stock	05/02/2008	S	2,000	D	\$ 37.5	14,637 <u>(22)</u>	I	Held Directly and Indirectly, by Trust (22)
Common Stock	05/02/2008	S	2,000	D	\$ 37.55	12,637 <u>(23)</u>	I	Held Directly and Indirectly, by Trust (23)
Common Stock	05/02/2008	S	2,000	D	\$ 37.6	10,637 <u>(24)</u>	I	Held Directly and Indirectly, by Trust (24)
Common Stock	05/02/2008	S	2,373	D	\$ 37.6	8,264 <u>(25)</u>	Ι	Held Directly and Indirectly, by Trust (25)

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

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 control number.

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

(10)

3. Transaction Date 3A. Deemed 1. Title of 2. 4. 5. Number of 6. Date Exercisable and 7. Title and Amount of TransactionDerivative **Expiration Date** Derivative Conversion (Month/Day/Year) Execution Date, if **Underlying Securities** (Month/Day/Year) Security or Exercise Code Securities (Instr. 3 and 4) any Price of (Month/Day/Year) (Instr. 8) (Instr. 3) Acquired (A) Derivative or Disposed of Security (D) (Instr. 3, 4, and 5) Amount Expiration Date or Title Exercisable Date Number Code V (A) (D) of Shares Common Stock Common Option \$21 05/02/2008 Μ 1,060 08/01/2003 08/01/2012 5,433 Stock (Right to Buy) Common Stock Common 08/01/2003 08/01/2012 Option \$21 Μ 4,373 05/02/2008 4,373 Stock (Right to Buy) Common Stock Common 05/02/2008 93 03/31/2007 04/09/2013 93 Option \$18.48 Μ Stock (Right to Buy) Common Stock Common \$21 Μ 300 03/31/2007 04/09/2013 300 Option 05/02/2008 Stock (Right to Buy) Common Stock Common Option 03/31/2007 04/09/2013 2,000 \$21 05/02/2008 Μ 2,000 Stock (Right to Buy) Common Stock Common \$21 05/02/2008 1,000 03/31/2007 04/09/2013 1,000 Option Μ Stock (Right to Buy) Common Stock Common \$21 03/31/2007 04/09/2013 2,000 Option 05/02/2008 Μ 2,000 Stock (Right to Buy) \$21 05/02/2008 11,000 03/31/2007 04/09/2013 11,000 Μ

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Common Stock Option (Right to Buy)							Common Stock	
Common Stock Option (Right to Buy)	\$ 21	05/02/2008	М	940	03/31/2007	04/09/2013	Common Stock	940
Common Stock	\$ 38	05/01/2008	М	1,300	(26)	(26)	Common Stock	10,400
Common Stock	\$ 38	05/01/2008	М	1,875	(27)	(27)	Common Stock	1,875

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
PARNELL GORDON W C/O MICROCHIP TECHNOLOGY INCORPORATED 2355 WEST CHANDLER BOULEVARD CHANDLER, AZ 85224-6199			VP and CFO				
Signatures							

Deborah L. Wussler, as	05/05/2008
Attorney-in-Fact	05/05/2008
**Signature of Reporting Person	Date

**Signature of Reporting Person

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).
- Of the 7,381 shares held, 1,847 shares were held Directly; 5,534 shares were held by Trust. (1)
- Of the 6,975 shares held, 1,441 shares were held Directly; 5,534 shares were held by Trust. (2)
- (3) Of the 8,850 shares held, 3,316 shares were held Directly; 5,534 shares were held by Trust.
- Of the 8,264 shares held, 2,730 shares were held Directly; 5,534 shares were held by Trust. (4)
- Of the 9,324 shares held, 3,790 shares were held Directly; 5,534 shares were held by Trust. (5)
- Of the 13,697 shares held, 8,163 shares were held Directly; 5,534 shares were held by Trust. (6)
- Of the 13,790 shares held, 8,256 shares were held Directly; 5,534 shares were held by Trust. (7)
- Of the 14,090 shares held, 8,556 shares were held Directly; 5,534 shares were held by Trust. (8)
- Of the 16,090 shares held, 10,556 shares were held Directly; 5,534 shares were held by Trust. (9)
- Of the 17,090 shares held, 11,556 shares were held Directly; 5,534 shares were held by Trust. (10)
- (11) Of the 19,090 shares held, 13,556 shares were held Directly; 5,534 shares were held by Trust.

Reporting Owners

- (12) Of the 30,090 shares held, 24,556 shares were held Directly; 5,534 shares were held by Trust.
- (13) Of the 31,030 shares held, 25,496 shares were held Directly; 5,534 shares were held by Trust.
- (14) Of the 30,937 shares held, 25,403 shares were held Directly; 5,534 shares were held by Trust.
- (15) Of the 30,637 shares held, 25,103 shares were held Directly; 5,534 shares were held by Trust.
- (16) Of the 28,637 shares held, 23,103 shares were held Directly; 5,534 shares were held by Trust.
- (17) Of the 27,637 shares held, 22,103 shares were held Directly; 5,534 shares were held by Trust.
- (18) Of the 25,637 shares held, 20,103 shares were held Directly; 5,534 shares were held by Trust.
- (19) Of the 23,637 shares held, 18,103 shares were held Directly; 5,534 shares were held by Trust.
- (20) Of the 21,637 shares held, 16,103 shares were held Directly; 5,534 shares were held by Trust.
- (21) Of the 16,637 shares held, 11,103 shares were held Directly; 5,534 shares were held by Trust.
- (22) Of the 14,637 shares held, 9,103 shares were held Directly; 5,534 shares were held by Trust.
- (23) Of the 12,637 shares held, 7,103 shares were held Directly; 5,534 shares were held by Trust.
- (24) Of the 10,637 shares held, 5,103 shares were held Directly; 5,534 shares were held by Trust.
- (25) Of the 8,264 shares held, 2,730 shares were held Directly; 5,534 shares were held by Trust.
- (26) The restricted stock units vest in eight equal quarterly installments beginning May 1, 2008. Vested shares will be delivered to the reporting person upon vest.
- (27) The restricted stock units vested in full on the first anniversary of the first business day of the month following the date of grant.

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.