Title of the

UNITED STATES OMB APPROVAL SECURITIES AND EXCHANGE COMMISSION 3235-0101 OMB Number: Washington, D.C. 20549 Expires: February 28, 2014 Estimated average burden 1.00 hours per **FORM 144** response NOTICE OF PROPOSED SALE OF SECURITIES SEC USE ONLY PURSUANT TO RULE 144 UNDER THE SECURITIES ACT OF 1933 DOCUMENT SEQUENCE NO.

CUSIP NUMBER

ATTENTION: Transmit for filing 3 copies of this form concurrently with either placing an order with a broker to execute sale or executing a sale directly with a market maker.

1 (a) NAME OF IS	(b) IRS IDENT. NO.			WORK LOCATION				
MICROCHIP TEC	CHNOLOGY IN	С	86-0629024	0-21184				
1 (d) ADDRESS OF ISSUER	STREET		CITY	STATE	ZIP CODE	(e) TELEPHONE NO		
	2355 West Cha	andler Blvd	Chandler	AZ	85224	480-792-	7200	
2 (a) NAME OF PE FOR WHOSE ACC THE SECURITIES TO BE SOLD	COUNT	(b) RELATIONSHIP TO ISSUER	(c) ADDRESS	STREET	CITY	STATE	ZIP CODE	
Ganesh and Hema Moorthy Rev Lvg 7 3/30/00	Frst dtd	Officer	2355 West Ch Blvd	andler	Chandler	AZ	85224	
INSTRUCTION: The person filing this notice should contact the issuer to obtain the I.R.S. Identification Number and the S.E.C. File Number.								
3 (a) (b)		SEC USE (c) ONLY	(d)	(e)	(f)	(g)	
		Nu	imber of	Number of		I	Name of	

Shares

Aggregate Shares

Each

Approximate

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Class	Class of Name and Address Each Broker Throug Whom the		Broker-Dealer	or Other Units	Market	or Other Units	Date of Sale	Securities			
Securities To Be Sold		Securities are to be Offered or Each Market Maker	File Number	To Be Sold	Value	Outstanding	(See instr. 3(f))	Exchange			
		who is Acquiring the Securities		(See instr. 3(c))	(See instr. 3(d))	(See instr. 3(e))	(MO. DAY YR.)	(See instr. 3(g))			
Deutsche Bank Alex Brown 2000 Avenue of the Common Stars Suite 910-N Los Angeles, CA 90067				26,000	902,200.00	193.7M	8/6/2012	отс			
INSTRU	UCT	ONS:									
1.	1. (a) Name of issuer				3. (a) Title of the class of securities to be sold						
	(b)	Issuer's I.R.S.	(b) Name and address of each broker through whom the								
(c)		Identification Nu Issuer's S.E.C. fi number, if any	securities are intended to be sold (c) Number of shares or other units to be sold (if debt securities, give the aggregate face amount)								
	(d)	Issuer's address, zip code	(d) Aggregate market value of the securities to be sold as of a specified date within 10 days prior to filing of this notice								
	 (e) Issuer's telephone number, including area code (e) Number of shares or other units of th or if debt securities the face amount t as shown by the most recent report or published by the issuer 				mount thereof of eport or statem	eof outstanding, atement					
2.	(a)	Name of person f account the secur to be sold		(g)Na	ne of each se		ne securities are ange, if any, on old				
	(b)		, officer, ckholder, mediate								
	(c)	Such person's ad including zip cod	ch person's address, luding zip code								
	I	Potential persons who are	e to respond to t	he collection	of informati	on contained	in this form are	SEC 1147			

Potential persons who are to respond to the collection of information contained in this form are SEC 1147 not required to respond unless the form displays a currently valid OMB control number. (08-07)

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TABLE I — SECURITIES TO BE SOLD

Furnish the following information with respect to the acquisition of the securities to be sold and with respect to the payment of all or any part of the purchase price or other consideration therefor:

Title of the Class	Date Acqu	•	Nature of Acquisition Transaction	Name of Person from Whom Acquired (If gift, also give date donor acquired)	Amount of Securities Acquired	Date of Payment	Nature of Payment
Common	08/06/2	2012	Stock Option Exercise	Microchip Technology Inc	26,000	8/6/2012	Cash
INSTRUCTI	t c a i r	heref explai consid iny no nstall note o	e securities were purcha for was not made in cash in in the table or in a note deration given. If the con ote or other obligation, or ments describe the arrang or other obligation was dise ment paid.	at the time of purchase, thereto the nature of the nsideration consisted of if payment was made in ement and state when the			

TABLE II — SECURITIES SOLD DURING THE PAST 3 MONTHS

Furnish the following information as to all securities of the issuer sold during the past 3 months by the person for whose account the securities are to be sold.

		Amount of						
		Date of	Securities					
Name and Address of Seller	Title of Securities Sold	Sale	Sold	Gross Proceeds				

EXPLANATION OF RESPONSES:

REMARKS:

INSTRUCTIONS:

See the definition of "person" in paragraph (a) of Rule 144. The person for whose account the securities to which this Information is to be given not only as to the person for whose account the securities are to be sold but also as to all other persons included in that definition. In addition, information shall be given as to sales by all persons whose sales are required by paragraph (e) of Rule 144 to be aggregated with sales for the account of the person filing this notice.

ATTENTION:

/s/ Ganesh Moorthy

notice relates are to be sold hereby represents by signing this notice that he does not know any material adverse information in regard to the current and prospective operations of the Issuer of the securities to be sold which has not been publicly disclosed. If such person has adopted a written trading plan or given trading instructions to satisfy Rule 10b5-1 under the Exchange Act, by signing the form and indicating the date that the plan was adopted or the instruction given, that person makes such representation as of the plan adoption or instruction date.

(SIGNATURE)

August 06, 2012 DATE OF NOTICE

DATE OF PLAN ADOPTION OR GIVING OF INSTRUCTION. IF **RELYING ON RULE 10B5-1**

August 06, 2012 DATE OF NOTICE

DATE OF PLAN ADOPTION OR GIVING OF INSTRUCTION. IF **RELYING ON RULE 10B5-1**

ATTENTION: Intentional misstatements or omission of facts constitute Federal Criminal Violations (See 18 U.S.C. 1001)

SEC 1147 (02-08)

The notice shall be signed by the person for whose account the securities are to be sold. At least one copy of the notice shall be manually signed. Any copies not manually signed shall bear typed or printed signatures. /s/ Hema Moorthy (SIGNATURE)

The notice shall be signed by the person for whose account the securities are to be sold. At least one copy of the notice shall be manually signed. Any copies not manually signed shall bear typed or printed signatures.