MICROCHIP TECHNOLOGY INC Form SC 13G

February 15, 2005

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

SCHEDULE 13G

Under the Securities Exchange Act of 193
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(Amendment No. 1)*

MICROCHIP TECHNOLOGY INC ______ (Name of Issuer) Common Stock, \$.01 par value per share (Title of Class of Securities) US5950171042 (CUSIP Number)

December 31, 2004 (Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

> [X] Rule 13d-1(b) [] Rule 13d-1(c) [] Rule 13d-1(d)

*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

SCHEDULE 13G

CUSIP No.	US5950171	1042					
1.	-						
2.	Check the Ag Instructions (a) (b)	opropriate Box it					
3.		/				_	
4.	AMVESCAP AIM Advis AIM Priva INVESCO A INVESCO A AIM Capit AIM Funds INVESCO A INVESCO A	nip or Place of (PLC: England sors, Inc: United ate Asset Management, Asset Management, Inc. Management, Inc. Management, Inc. Management, Inc. Masset Management e Investment Cour	ed States ment, Inc , S.A.: Limited: Inc.: Un c.: Unit .A.), Inc GmbH: G	.: United SFrance England ited States ed States .: United Sermany	States		
		5.	entitie 7,238,3 Managem Capital INVESCO 21,599,	s in the res 26, AIM Privent, S.A. 93 Management, Institution Stein Roe In	spective amovate Asset M B1, INVESCO Inc. 5,820 all (N.A.), avestment Co	Such shares unts listed anagement, In Asset Managem, 877, AIM Fund Inc. 1,313,50 unsel, Inc. 1	AIM Advisonc. 790,310 ment Limiteds Manageme 09, INVESCO
Number of Shares Beneficially Owned by Each Reporting Person With		6.		Voting Power	<u> </u>		
		7.		spositive Po	ower 16,	271,164: Suc unts listed	ch shares a

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7,238,326, AIM Private Asset Management, Inc. 790,310 Management, S.A. 931, INVESCO Asset Management Limite Capital Management, Inc. 5,820,877,AIM Funds Management INVESCO Institutional (N.A.), Inc. 1,313,509, INVESCO 21,599,Stein Roe Investment Counsel, Inc. 1,065,012

		8. Shared Dispositive Power
	9.	Aggregate Amount Beneficially Owned by Each Reporting Person 16,271,164
		Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) N/A
	11.	Percent of Class Represented by Amount in Row (9) 7.89%
	12.	Type of Reporting Person (See Instructions) IA, HC. See Items 2 and 3 of this statement.
		SCHEDULE 13G
Item 1(a)		Name of Issuer: MICROCHIP TECHNOLOGY INC
Item 1(b)		Address of Issuer's Principal Executive Offices: 2355 West Chandler Boulevard Chandler, AZ 85224-6199
Item 2(a)		Name of Person Filing: AMVESCAP PLC In accordance with Securities and Exchange Commission Release No. 34-39538 (January 12, 1998), this statement on Schedule
		13G or amendment thereto is being filed by AMVESCAP PLC ("AMVESCAP"), a U.K. entity, on behalf of itself and its

subsidiaries listed in Item 4 of the cover of this statement.

management services to institutional and individual investors

AMVESCAP through such subsidiaries provides investment

worldwide.

Executive officers and directors of AMVESCAP or its subsidiaries may beneficially own shares of the securities of the issuer to which this statement relates (the "Shares"), and such Shares are not reported in this statement. AMVESCAP and its subsidiaries disclaim beneficial ownership of Shares beneficially owned by any of their executive officers and directors. Each of AMVESCAP's direct and indirect subsidiaries also disclaim beneficial ownership of Shares beneficially owned by AMVESCAP and any other subsidiary.

Item 2(b) Address of Principal Business Office:

11 Devonshire Square London EC2M 4YR England

Item 2(c) Citizenship:

See the response to Item 2(a) of this statement.

Item 2(d) Title of Class of Securities:

Common Stock, \$.01 par value per share

Item 2(e) CUSIP Number:

US5950171042

Item 3
Type of Reporting Person:

An investment adviser in accordance with section 240.13d-1(b)(1)(ii)(E) A parent holding company or control person in accordance with section 240.13d-1

As noted in Item 2 above, AMVESCAP is making this filing on behalf of its subsidiaries listed herein. Each of these entities is either an investment adviser registered with the United States Securities Exchange Commission under Section 203 of the Investment Advisers Act of 1940, as amended, or under similar laws of other jurisdictions. AMVESCAP is a holding company.

Please see responses to Items 5-8 on the cover of this statement which are incorporated herein by reference.

N/A

Item 6 Ownership of More than Five Percent on Behalf of Another Person:

N/A

Item 7 Identification and Classification of the Subsidiary Which Acquired the Security on By the Parent Holding Company:

Please see Item 3 of this statement, which is incorporated herein by reference.

Item 8
Identification and Classification of Members of the Group:

N/A

N/A

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

Signature:

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

February 14, 2005
-----Date

/s/ HAL LIEBES
-----Signature

Hal Liebes Group Compliance Officer AMVESCAP PLC