MICROSEMI CORP Form SC 13G/A October 10, 2012

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

SCHEDULE 13G

Amendment #3

Under the Securities and Exchange Act of 1934

Microsemi Corp.

(Name of Issuer)

Common Stock

(Title of Class of Securities)

595137100

(CUSIP Number)

September 30, 2012

(Date of Event Which Requires Filing of this Statement)

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

This Schedule is filed pursuant to Rule 13d-1(b)

The information required in the remainder of this cover page (except any items to which the form provides a cross-reference) 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.

CUSIP N	TO. <u>595137100</u>
1)	Name of Reporting Person
	Ameriprise Financial, Inc.
	S.S. or I.R.S. Identification
	No. of Above Person
2)	IRS No. 13-3180631 Check the Appropriate Box
	if a Member of a Group
	(a) " (b) x*
3)	* This filing describes the reporting person s relationship with other persons, but the reporting person does not affirm the existence of a group. SEC Use Only

Delaware

4)

5) Sole Voting Power

Citizenship or Place of Organization

NUMBER OF 6) Shared Voting Power SHARES BENEFICIALLY OWNED BY **EACH** REPORTING 2,051,549 PERSON 7) Sole Dispositive Power WITH

0

8) Shared Dispositive Power

6,229,785

9) Aggregate Amount Beneficially

Owned by Each Reporting Person

6,229,785

10) Check if the Aggregate Amount in

Row (9) Excludes Certain Shares

Not Applicable

11) Percent of Class Represented by

Amount In Row (9)

7.00%

12) Type of Reporting Person

HC

CUSIP NO.	595137100

son
SOI

Columbia Management

Investment Advisers, LLC

S.S. or I.R.S. Identification

No. of Above Person

IRS No. 41-1533211 Check the Appropriate Box

if a Member of a Group

- (a) " (b) x*
- * This filing describes the reporting person s relationship with other persons, but the reporting person does not affirm the existence of a group.
- 3) SEC Use Only

2)

4) Citizenship or Place of Organization

Minnesota

5) Sole Voting Power

NUMBER OF SHARES
BENEFICIALLY
OWNED BY EACH
REPORTING PERSON WITH

0 Shared Voting Power
2,051,549
7) Sole Dispositive Power

6,229,785
Aggregate Amount Beneficially
Owned by Each Reporting Person

6,229,785
Check if the Aggregate Amount in
Row (9) Excludes Certain Shares

Not Applicable
Percent of Class Represented by
Amount In Row (9)

0

8) Shared Dispositive Power

IA

12)

7.00%

Type of Reporting Person

Name of Issuer: Microsemi Corp. 1(a) One Enterprise 1(b) Address of Issuer s Principal **Executive Offices:** Aliso Viejo, CA 92656 Name of Person Filing: (a) Ameriprise Financial, Inc. (AFI) 2(a) (b) Columbia Management Investment Advisers, LLC (CMIA) Address of Principal Business Office: 2(b) (a) Ameriprise Financial, Inc. 145 Ameriprise Financial Center Minneapolis, MN 55474 (b) 225 Franklin St. Boston, MA 02110 Citizenship: (a) Delaware 2(c) (b) Minnesota 2(d) Title of Class of Securities: Common Stock 2(e) Cusip Number: 595137100 Information if statement is filed pursuant to Rules 13d-1(b) or 13d-2(b): 3 (a) Ameriprise Financial, Inc. A parent holding company in accordance with Rule 13d-1(b)(1)(ii)(G). (Note: See Item 7) (b) Columbia Management Investment Advisers, LLC An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E) Incorporated by reference to Items (5)-(9) and (11) of the cover page pertaining to each reporting person. 4

AFI, as the parent company of CMIA, may be deemed to beneficially own the shares reported herein by CMIA. Accordingly, the shares reported herein by AFI include those shares separately reported herein by CMIA.

Each of AFI and CMIA disclaims beneficial ownership of any shares reported on this Schedule.

- 5 Ownership of 5% or Less of a Class: Not Applicable
- 6 Ownership of more than 5% on Behalf of Another Person: Not Applicable
- 7 Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company:

AFI: See Exhibit I

8 Identification and Classification of Members of the Group:

Not Applicable

9 Notice of Dissolution of Group:

Not Applicable

10 Certification:

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

Dated: October 10, 2012

Ameriprise Financial, Inc.

By: /s/ Wade M. Voigt Name: Wade M. Voigt

Title: Vice President Fund Administration Financial

Reporting

Columbia Management Investment Advisers, LLC

By: /s/ Amy Johnson Name: Amy Johnson

Title: Chief Operating Officer

Contact Information
Wade M. Voigt
Vice President Fund Administration
Financial Reporting
Telephone: (612) 671-5682

Exhibit Index

Exhibit I Identification and Classification of the Subsidiary which Acquired the Security Being Reported on by the Parent Holding

Company.

Exhibit II Joint Filing Agreement