

MICROSEMI CORP  
Form 8-K  
May 11, 2005

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**

**Washington, D.C. 20549**

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**FORM 8-K**

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**CURRENT REPORT**

**Pursuant to Section 13 OR 15(d) of  
The Securities Exchange Act of 1934**

**April 28, 2005**

(Date of earliest event reported)

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**Microsemi Corporation**

(Exact name of registrant as specified in its charter)

**DE**  
(State or other jurisdiction  
of incorporation)

**0-8866**  
(Commission File Number)

**95-2110371**  
(IRS Employer Identification No.)

**2381 Morse Avenue, Irvine, California**  
(Address of principal executive offices)

**92614**  
(Zip Code)

Registrant's telephone number, including area code: **(949) 221-7100**

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12(b) under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

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**Item 9.01 Financial Statements and Exhibits**

On April 28, 2005 the Registrant issued a press release, a copy of which is attached hereto as Exhibit 99.1 and is incorporated herein by reference.

**Item 9.01. Financial Statements and Exhibits.**

Exhibit 99.1. Press release dated April 28, 2005

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**Exhibit Index**

99.1 Press release dated April 28, 2005

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**SIGNATURE**

Pursuant to the requirements of the Securities Exchange Act of 1934, as amended, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

**May 11, 2005**

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(Date)

**Microsemi Corporation**

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(Registrant)

**/s/ DAVID R. SONKSEN**

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David R. Sonksen  
*Executive Vice President, Chief Financial Officer, Treasurer and  
Secretary*