

Item 9.01. Financial Statements and Exhibits.

Exhibit No.	Description
99.1	Press release dated July 23, 2009.

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.

Microsemi Corporation

(Registrant)

/s/ JOHN W. HOHENER

July 23, 2009

(Date)

John W. Hohener

Vice President, Chief Financial Officer, Treasurer and Secretary

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