



DIVISION OF
CORPORATION FINANCE
Mail Stop 3030

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

September 29, 2009

Ronald S. Jankov
President and Chief Executive Officer
NetLogic Microsystems, Inc.
1875 Charleston Road
Mountain View, CA 94043

**Re: NetLogic Microsystems, Inc.
Revised Preliminary Proxy Statement on Schedule 14A
Filed September 29, 2009
File No. 000-50838**

Dear Mr. Jankov:

We have limited our review of your response letter to those issues we have addressed in our comments. Where indicated, we think you should revise your document in response to these comments. If you disagree, we will consider your explanation as to why our comment is inapplicable or a revision is unnecessary. Please be as detailed as necessary in your explanation. In some of our comments, we may ask you to provide us with information so we may better understand your disclosure. After reviewing this information, we may raise additional comments.

We welcome any questions you may have about our comments or any other aspect of our review. Feel free to call us at the telephone numbers listed at the end of this letter.

1. Please tell us the date you will hold your shareholders' meeting, the date you will mail your proxy materials and how those dates are consistent with Note D.3 of Schedule 14A, particularly given the Federal holiday in October.

Recommendation of NetLogic's Board of Directors, page 29

2. Please expand your disclosure provided in response to prior comment 1 to disclose the revenue and earnings multiples and market valuation information used in the financial analyses, including the date of the information. Also, please show how that information and the discounted cash flow calculation generated a "range of valuations," and disclose that range.

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As appropriate, please amend your filing and respond to these comments within 10 business days or tell us when you will provide us with a response. You may wish to provide us with marked copies of the amendment to expedite our review. Please furnish a cover letter with your amendment that keys your responses to our comments and provides any requested information. Detailed cover letters greatly facilitate our review. Please understand that we may have additional comments after reviewing your amendment and responses to our comments.

We urge all persons who are responsible for the accuracy and adequacy of the disclosure in the filing to be certain that the filing includes all information required under the Securities Exchange Act of 1934 and that they have provided all information investors require for an informed investment decision. Since the company and its management are in possession of all facts relating to a company's disclosure, they are responsible for the accuracy and adequacy of the disclosures they have made.

In connection with responding to our comments, please provide, in writing, a statement from the company acknowledging that:

- the company is responsible for the adequacy and accuracy of the disclosure in the filing;
- staff comments or changes to disclosure in response to staff comments do not foreclose the Commission from taking any action with respect to the filing; and
- the company may not assert staff comments as a defense in any proceeding initiated by the Commission or any person under the federal securities laws of the United States.

In addition, please be advised that the Division of Enforcement has access to all information you provide to the staff of the Division of Corporation Finance in our review of your filing or in response to our comments on your filing.

Please contact Julie Sherman at (202) 551-3640 or Jay Webb, at (202) 551-3603 if you have questions regarding comments on the financial statements and related matters. You may contact Geoffrey Kruczek at (202) 551-3641 or me at (202) 551-3617 with any other questions.

Sincerely,

Russell Mancuso
Branch Chief

cc (via fax): Alan B. Kalin, Esq.—Bingham McCutchen LLP