



DIVISION OF  
CORPORATION FINANCE  
Mail Stop 3030

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

August 20, 2009

Via U.S. Mail and Facsimile

Mr. Stuart L. Merkadeau, Esq.  
Senior Vice President, General Counsel and Secretary  
FormFactor, Inc.  
7005 Southfront Road  
Livermore, CA 94551

**Re: FormFactor, Inc.**  
**Form 10-K for the Year Ended December 27, 2008**  
**Form 10-Q for the quarterly period ended March 28, 2009**  
**File No. 000-50307**

Dear Mr. Merkadeau:

We have completed our review of your Form 10-K for the fiscal year ended December 27, 2008 and related filings and do not, at this time, have any further comments.

Please contact Joe McCann at (202) 551-6262 or me at (202) 551-3635 with any questions.

Sincerely,

Tim Buchmiller  
Senior Attorney