

AXCELIS TECHNOLOGIES INC  
Form 8-K  
September 15, 2008  
1 v

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

**FORM 8-K**

**CURRENT REPORT PURSUANT  
TO SECTION 13 OR 15(d) OF THE  
SECURITIES EXCHANGE ACT OF 1934**

Date of Report (Date of Earliest Event Reported): **September 15, 2008**

**Axcelis Technologies, Inc.**

(Exact Name of Registrant as Specified in its Charter)

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

**000-30941**  
(Commission File Number)

**34-1818596**  
(IRS Employer Identification No.)

**108 Cherry Hill Drive**

**Beverly, Massachusetts**  
(Address of principal executive offices)

**01915**  
(Zip Code)

Registrant's Telephone Number, Including Area Code: **(978) 787-4000**

(Former name or former address, if changed since last report)

## Edgar Filing: AXCELIS TECHNOLOGIES INC - Form 8-K

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 (see General Instruction A.2. below):

- o Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
  
  - o Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
  
  - o Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
  
  - o Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
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**Item 7.01. Regulation FD Disclosure.**

The Company hereby furnishes as Exhibit 99.1 to this Form 8-K a copy of a letter to Sumitomo Heavy Industries, Ltd. dated September 15, 2008. Exhibit 99.1 shall not be deemed filed for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the Exchange Act ), or otherwise subject to the liabilities under that Section and shall not be deemed to be incorporated by reference into any filing of the Company under the Securities Act of 1933, as amended, or the Exchange Act.

**Item 9.01 Financial Statements and Exhibits.**

(d) Exhibits

<b>Exhibit No.</b>	<b>Description</b>
99.1	Letter from Mary G. Puma, Chairman and Chief Executive Officer Axcelis Technologies, Inc. to Yoshinobu Nakamura, President and Chief Executive Officer of Sumitomo Heavy Industries, Ltd. dated September 15, 2008

**SIGNATURES**

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

Date: September 15, 2008

Axcelis Technologies, Inc.

By:

/s/ STEPHEN G. BASSETT  
Stephen G. Bassett  
Executive Vice President and Chief

Financial Officer

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