

Bintz William J  
 Form 3/A  
 December 14, 2007

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

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**INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,  
 Section 17(a) of the Public Utility Holding Company Act of 1935 or Section  
 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

<p>1. Name and Address of Reporting Person *</p> <p>Â Bintz William J</p> <p>(Last) (First) (Middle)</p> <p>108 CHERRY HILL DRIVE</p> <p>(Street)</p> <p>BEVERLY,Â MAÂ 01915</p> <p>(City) (State) (Zip)</p>	<p>2. Date of Event Requiring Statement</p> <p>(Month/Day/Year)</p> <p>09/17/2007</p>	<p>3. Issuer Name and Ticker or Trading Symbol</p> <p>AXCELIS TECHNOLOGIES INC [ACLS]</p>	<p>4. Relationship of Reporting Person(s) to Issuer</p> <p>(Check all applicable)</p> <p><input type="checkbox"/> Director <input type="checkbox"/> 10% Owner</p> <p><input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other</p> <p>(give title below) (specify below)</p> <p>Senior VP, Marketing</p>	<p>5. If Amendment, Date Original Filed(Month/Day/Year)</p> <p>09/17/2007</p> <p>6. Individual or Joint/Group Filing(Check Applicable Line)</p> <p><input checked="" type="checkbox"/> Form filed by One Reporting Person</p> <p><input type="checkbox"/> Form filed by More than One Reporting Person</p>
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**Table I - Non-Derivative Securities Beneficially Owned**

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	17,365 <sup>(1)</sup>	D	Â

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

SEC 1473 (7-02)

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**Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of	

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				Shares		(I) (Instr. 5)	
Right to Buy (Stock Option)	01/03/2010 <sup>(2)</sup>	01/03/2016	Common Stock	17,000	\$ 4.78	D	Â
Right to Buy (Stock Option)	05/15/2011 <sup>(3)</sup>	05/15/2017	Common Stock	5,000	\$ 6.39	D	Â

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Bintz William J 108 CHERRY HILL DRIVE BEVERLY, MA 01915	Â	Â	Â Senior VP, Marketing	Â

## Signatures

Lynnette C. Fallon, as attorney in fact for William J. Bintz 12/14/2007

\_\_Signature of Reporting Person

Date

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, *see* Instruction 5(b)(v).
  - \*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- Of the shares held as of 9/17/2007, 16,000 were issuable on vesting of restricted stock units granted to the executive under the Company's
- (1) 2000 Stock Plan and are subject to forfeiture. A portion of these shares will be withheld by the Company on vesting to satisfy tax withholding requirements.
  - (2) Exercisable as to 25% of the shares on each of 01/03/2007, 01/03/2008, 01/03/2009 and 01/03/2010.
  - (3) Exercisable as to 25% of the shares on each of 05/15/2008, 05/15/2009, 05/15/2010 and 05/15/2011.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *See* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.