Bintz William J Form 4 July 06, 2010

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

30(h) of the Investment Company Act of 1940

OMB Number:

3235-0287

Expires:

January 31, 2005

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Estimated average burden hours per

OMB APPROVAL

response...

if no longer subject to Section 16. Form 4 or Form 5

Check this box

SECURITIES Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue.

1(b).

(Print or Type Responses)

See Instruction

1. Name and Address of Reporting Person * Bintz William J

(Last) (First)

(Middle)

(Zip)

(Street)

(State)

07/01/2010

108 CHERRY HILL DRIVE

Filed(Month/Day/Year)

3.

2. Issuer Name and Ticker or Trading

Symbol

AXCELIS TECHNOLOGIES INC

[ACLS]

3. Date of Earliest Transaction (Month/Day/Year)

07/01/2010

4. If Amendment, Date Original

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

Issuer

below)

Director

X_ Officer (give title

6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person

(D) or

D

Indirect (I)

(Instr. 4)

5. Relationship of Reporting Person(s) to

(Check all applicable)

Senior VP, Marketing

below)

10% Owner

6. Ownership 7. Nature of

Beneficial

Ownership

(Instr. 4)

(9-02)

Form: Direct Indirect

Other (specify

Form filed by More than One Reporting Person

BEVERLY, MA 01915

(City)

Common

Stock

1.Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if (Instr. 3) any

(Month/Day/Year)

Transaction(A) or Disposed of Code (D) (Instr. 8) (Instr. 3, 4 and 5)

635

or Code V Amount (D) Price \$

D

(1)

F

Beneficially Owned Following (A)

(2)

4. Securities Acquired 5. Amount of

Reported Transaction(s) (Instr. 3 and 4)

Securities

1.59 86,253 (3)

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

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transacti Code (Instr. 8)	5. orNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3,		ate	7. Title and Amount of Underlying Securities (Instr. 3 and 4		8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Owne Follo Repo Trans (Instr
					4, and 5)	Date	Expiration		Amount		
				Code V	/ (A) (D)	Exercisable	Date	Title	Number of Shares		

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Bintz William J 108 CHERRY HILL DRIVE BEVERLY, MA 01915

Senior VP, Marketing

Signatures

Lynnette C. Fallon, as attorney in fact for William Bintz

07/06/2010

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(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).
- (1) Shares withheld by the Company equal to tax liability of the executive officer incident to the vesting of restricted stock units issued in accordance with Rule 16b-3.
- (2) Represents the closing price of the common stock at July 1, 2010.
 - Of the shares held as of July 1, 2010, 47,061 were issuable on vesting of restricted stock units granted the executive under the 2000 Stock
- (3) Plan and are subject to forfeiture. A portion of these shares will be withheld by the Company on vesting to satisfy tax withholding requirements.

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.

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