AXCELIS TECHNOLOGIES INC

Form 4

November 10, 2015

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

Expires:

January 31, 2005

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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

may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * PUMA MARY G			2. Issuer Name and Ticker or Trading Symbol AXCELIS TECHNOLOGIES INC [ACLS]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)
(Last) C/O AXCELIS INC., 108 CHI			3. Date of Earliest Transaction (Month/Day/Year) 11/09/2015	X Director 10% Owner X Officer (give title Other (specify below) Chairman, President and CEO
(Street) BEVERLY, MA 01915			4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person

(City)	(State)	Zip) Table	e I - Non-D	erivative S	ecuri	ties Acq	uired, Disposed o	f, or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired on(A) or Disposed of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code V	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)		
Common Stock	11/09/2015		P	3,500	A	\$ 2.33	399,724	D	
Common Stock	11/09/2015		P	4,200	A	\$ 2.34	403,924	D	
Common Stock	11/09/2015		P	5,200	A	\$ 2.35	409,124	D	
Common Stock	11/09/2015		P	6,100	A	\$ 2.36	415,224	D	
Common Stock	11/09/2015		P	10,800	A	\$ 2.37	426,024	D	

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			Parent	e wh	o reen	and to the c	allection of	SEC 1474
Reminder: Rep	ort on a separate line for each class of secur	rities bene	ficially own	ed dir	ectly or	indirectly.		
Common Stock						20,000	I	Held by spouse
Stock	11/09/2015	P	10,200	A	\$ 2.38	436,224	D	

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SEC 1474

(9-02)

9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr

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

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. Transac Code (Instr. 8	5. stionNumber of Derivative Securitie Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	s I	ate	7. Titl Amou Under Secur (Instr.	int of rlying	8. Price of Derivative Security (Instr. 5)
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	

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Reporting Owners

Reporting Owner Name / Address	Kelationships				
	Director	10% Owner	Officer	Other	
PUMA MARY G					

C/O AXCELIS TECHNOLOGIES, INC. 108 CHERRY HILL DRIVE BEVERLY, MA 01915

Signatures

Lynnette C. Fallon, as attorney in fact for Mary G.

Puma 11/09/2015

**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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Reporting Owners 2

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