Edgar Filing: AXCELIS TECHNOLOGIES INC - Form 4/A

	ECHNOLOGIES	INC							
Form 4/A	014								
January 29, 2014							OMB APPROVAL		
FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549							3235-0287		
Check this if no long subject to Section 16 Form 4 or Form 5	er STATEM	STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES					Expires:January 31Estimated averageburden hours perresponse0.5		
Form 5 obligations may continue. See Instruction 1(b). 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 R	esponses)								
1. Name and Ad PUMA MAF	ddress of Reporting F RY G	Symbol	AXCELIS TECHNOLOGIES INC			5. Relationship of Reporting Person(s) to Issuer (Check all applicable)			
	(First) (M LIS TECHNOLO HERRY HILL D	liddle) 3. Date o (Month/I GIES, 12/17/2	f Earliest Transaction Day/Year)	X Director 10% Owner X Officer (give title Other (specify below) below) Chairman, President and CEO					
BEVERLY,	(Street) MA 01915	Filed(Mo	4. If Amendment, Date Original Filed(Month/Day/Year) 12/17/2013			6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting			
(City)		Zip) Tab		•.•	Person	a D at t			
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	 2A. Deemed Execution Date, if any 		es A) or of (D)	quired, Disposed of 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	•		
Common			Coue y Amount	(D) The	396,224 <u>(1)</u>	D			
Stock Common Stock					20,000	Ι	Held by spouse		

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)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	4. Transactio Code (Instr. 8)	5. onNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		ate	Amou Unde Secur	rlying	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Owne Follo Repo Trans (Instr
			Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		
PUMA MARY G C/O AXCELIS TECHNOLOGIES, INC. 108 CHERRY HILL DRIVE BEVERLY, MA 01915	Х		Chairman, President and CEO			
Signatures						
Lynnette C. Fallon, as attorney in fact for Puma	Mary G.	0	01/29/2014			

**Signature of Reporting Person

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) Ms. Puma's holdings of common stock have been reduced by 3 shares to correct a record keeping error in the number of shares withheld for taxes on previous Restricted Stock Unit vesting events.

Date

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.