

AXCELIS TECHNOLOGIES INC  
 Form 3  
 November 14, 2013

**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)

1. Name and Address of Reporting Person * Â Lawson Douglas A. (Last) (First) (Middle)  C/O AXCELIS TECHNOLOGIES, INC., Â 108 CHERRY HILL DRIVE (Street)  BEVERLY, Â MA Â 01915 (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) 11/13/2013	3. Issuer Name and Ticker or Trading Symbol AXCELIS TECHNOLOGIES INC [ACLS]	4. Relationship of Reporting Person(s) to Issuer  (Check all applicable)  <input type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other (give title below) (specify below) EVP, Corporate Mktg & Strategy	5. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person
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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	10,098	D	Â
Common Stock	7,500	I	By spouse

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	4. Conversion or Exercise	5. Ownership Form of	6. Nature of Indirect Beneficial Ownership
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	Date Exercisable	Expiration Date	(Instr. 4) Title	Amount or Number of Shares	Price of Derivative Security	Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	(Instr. 5)
Stock option (right to buy) <sup>(1)</sup>	01/15/2014 <sup>(2)</sup>	01/15/2020	Common Stock	12,500	\$ 1.59	D	Â
Stock option (right to buy) <sup>(1)</sup>	07/15/2014 <sup>(3)</sup>	07/15/2020	Common Stock	65,000	\$ 1.6	D	Â
Stock option (right to buy) <sup>(1)</sup>	07/15/2015 <sup>(4)</sup>	07/15/2021	Common Stock	40,000	\$ 1.6	D	Â
Stock option (right to buy) <sup>(5)</sup>	07/16/2016 <sup>(6)</sup>	07/16/2019	Common Stock	37,500	\$ 0.93	D	Â
Stock option (right to buy) <sup>(5)</sup>	07/15/2017 <sup>(7)</sup>	07/15/2020	Common Stock	75,000	\$ 1.99	D	Â

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Lawson Douglas A. C/O AXCELIS TECHNOLOGIES, INC. 108 CHERRY HILL DRIVE BEVERLY, MA 01915	Â	Â	Â EVP, Corporate Mktg & Strategy	Â

## Signatures

Lynnette C. Fallon, as attorney in fact for Douglas A. Lawson  
 11/14/2013

\_\_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).
- (1) Granted pursuant to the Axcelis Technologies, Inc. 2000 Stock Plan.
- (2) To become exercisable on 1/15/2014.
- (3) Exercisable as to 46,250 shares and to become exercisable as to an additional 18,750 on 7/15/2014.
- (4) Exercisable as to 20,000 shares and to become exercisable as to an additional 10,000 shares on each of 7/15/2014 and 7/15/2015.
- (5) Granted pursuant to the Axcelis Technologies, Inc. 2012 Equity Incentive Plan.
- (6) To become exercisable as to 12,500 shares on each of 7/16/2014, 7/16/2015 and 7/16/2016.
- (7) To become exercisable as to 18,750 shares on each of 7/15/2014, 7/15/2015, 7/15/2016 and 7/15/2017.

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.