FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington,	D.C. 20549
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL 3235-0287 Estimated average burden hours per response: 0.5

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* Lawson Douglas A.						2. Issuer Name and Ticker or Trading Symbol AXCELIS TECHNOLOGIES INC [ACLS]									all app Direct	tor er (give title	ng Per	10% O		
(Last) (First) (Middle) C/O AXCELIS TECHNOLOGIES, INC. 108 CHERRY HILL DRIVE						3. Date of Earliest Transaction (Month/Day/Year) 11/28/2022								EVP, Corporate Mktg & Strategy						
(Street) BEVERI	LY MA		1915 Zip)		4. If <i>i</i>	4. If Amendment, Date of Original Filed (Month/Day/Year)									ividual or Joint/Group Filing (Check Applicable Form filed by One Reporting Person Form filed by More than One Reporting Person					
		Table	I - No	on-Deriva	tive \$	Secui	rities	Acc	quire	d, Dis	sposed of	, or E	Benefic	ially	Own	ed				
1. Title of Security (Instr. 3) 2. Transaction Date (Month/Day/						Execution Date,		,	3. Transaction Code (Instr. 8) 4. Securities Acquired Disposed Of (D) (Instr.					nd 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	
			Code	v	Amount			(A) or (D)	Price		Transa	action(s) 3 and 4)			(Instr. 4)					
Common Stock 11/28/20)22				S		350	D	\$76.5	76.52 ⁽¹⁾ 3		34,038(2)		D		
	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)			Code (ansaction of Del Sec Acc (A) Dis of (osed) r. 3, 4	Expira (Mont	te Exervation D		7. Title and Amount of Securities Underlying Derivative Security (Inst 3 and 4)		ı İ		9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)		10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)			

Explanation of Responses:

Remarks:

Lynnette C. Fallon, as attorney 11/28/2022 in fact for Douglas A. Lawson

** Signature of Reporting Person Date

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

- * 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.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.

^{1.} The price reported in Column 4 is a weighted-average price. These shares were sold in multiple transactions at prices ranging from \$76.52 to \$76.54, inclusive. The reporting person undertakes to provide to Axcelis Technologies, Inc., any security holder of Axcelis Technologies, Inc., or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price.

^{2.} Of the shares held as of November 28, 2022, 28,011 were issuable on vesting of restricted stock units granted to the executive under the 2012 Equity Incentive Plan and are subject to forfeiture.