FORM 4

## **UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington D.C. 20549

wasnington,	D.C.	20549	

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL

OMB Number: 3235-0287
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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).

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

Name and Address of Reporting Person*  Low Russell						2. Issuer Name and Ticker or Trading Symbol AXCELIS TECHNOLOGIES INC [ ACLS ]									all app Direc			son(s) to Is 10% O Other (s	vner
(Last) (First) (Middle)  AXCELIS TECHNOLOGIES, INC.  108 CHERRY HILL DRIVE						3. Date of Earliest Transaction (Month/Day/Year) 11/16/2020								X United Give the Other (specify below)  EVP, Engineering					
(Street) BEVERI (City)	LY MA		1915 Zip)		4. If <i>i</i>	Amendi	ment,	Date (	of Origi	nal File	ed (Month/Da	y/Year		. Indiv ine) X	Form	Joint/Group filed by One filed by Mo	e Repo	orting Pers	on
		Table	I - No	on-Deriva	tive \$	Secui	rities	Ac	quired	d, Dis	sposed of	, or E	enefic	ially	Own	ed			
1. Title of Security (Instr. 3)  2. Transactio Date (Month/Day/N				.	Execution Date,		3. Transaction Code (Instr. 8)  4. Securities Acquired (A Disposed Of (D) (Instr. 3,				4 and 5) Se Be Ov		ecurities   Feneficially   (		: Direct r Indirect str. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)			
								Code	v	Amount	(A) or (D)	Price		Transa	ction(s) 3 and 4)			(1115411 4)	
Common Stock 11/16/202					20			F		804(1)	<b>D</b> <sup>(1)</sup>	\$26.0	\$26.67 <sup>(2)</sup>		63,436(3)		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)	erivative   Conversion   Date   Execution Date, ecurity   or Exercise   (Month/Day/Year)   if any				ransaction of Decode (Instr. ) Se Ac (A Discontinuous of Office (A Disconti		osed ) r. 3, 4	Expiration I (Month/Day		ate	7. Title and Amount of Securities Underlying Derivative Security (Instr 3 and 4)		nt		9. Number derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ownersh Form: Direct (D or Indirec (I) (Instr.	Ownership	Beneficial Ownership t (Instr. 4)	
					Code	v	(A)	(D)	Date Exerc	isable	Expiration Date	Title	of Shares						

## **Explanation of Responses:**

- 1. These shares were withheld by the Company to cover the tax withholding obligations of the executive on the vesting of restricted stock units on November 16, 2020.
- 2. Represents the closing price on November 16, 2020.
- 3. Of the shares held as of November 16, 2020, 48,276 were issuable on vesting of restricted stock units granted under the 2012 Equity Incentive Plan and are subject to forfeiture.

## Remarks:

<u>Lynnette C. Fallon as attorney</u> in fact for Russell J. Low

11/17/2020

\*\* Signature of Reporting Person

Date

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

- $^{\star}$  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.