FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

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

1. Name and Address of Reporting Person

BREWER KEVIN J

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL OMB Number: Estimated average burden hours per response: 0.5

10% Owner

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director

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

AXCELIS TECHNOLOGIES INC [ACLS]

2. Issuer Name and Ticker or Trading Symbol

-					- L										(give title		Other (sp	pecify	
(Last) (First) (Middle) C/O AXCELIS TECHNOLOGIES, INC.						3. Date of Earliest Transaction (Month/Day/Year) $02/11/2020$								below) EVP	& Chief F	inancia	,	r	
108 CHERRY HILL DRIVE						If Amendment, Date of Original Filed (Month/Day/Year)								ndividual or	loint/Group	Filing ((Check Ann	nlicable	
(Street) BEVERLY MA 01915					_ -	II Americinent, Date of Original Filed (Monthin Day) feat)								Individual or Joint/Group Filing (Check Applical Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person			ı		
(City)	(S	tate)	(Zip)											1 01301	•				
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																			
1. Title of Security (Instr. 3) 2. Transac Date (Month/Date)						ar) if	2A. Deemed Execution Date, if any (Month/Day/Year)		3. Transaction Code (Instr. 8)		4. Securities Acquired (A) Disposed Of (D) (Instr. 3,			Benefici Owned	es ally Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership	
									Code	v	Amount	(A) or (D)	Price	Reporte Transac (Instr. 3	tion(s)		(Instr. 4)	
Common Stock					/11/2020				М		14,063	A	\$7.2	100	100,556(1))		
Common Stock 02					.1/2020				S		14,063	D	\$29.05	(2) 86,	86,493(1)				
Common Stock 02/11/					L/2020	/2020					24,610	A	\$12.04	111,	111,103(1))		
Common Stock 02/11/2					1/2020	2020			S		24,610	D	\$29.03	(3) 86,493(1)		Ι)		
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. Deem Execution if any (Month/Da	Date,	4. Transa Code (8)		on of		6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	ly O Fi D oi (i)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code	v	(A)	(D)	Date Exercisa	ıble	Expiration Date	Title	Amount or Number of Shares						
Stock Option (right to buy)	\$7.2	02/11/2020			М			14,063	07/15/20	018	07/15/2021	Common Stock	14,063	\$0.00	0		D		

Explanation of Responses:

\$12.04

1. Of the shares held as of February 11, 2020, 68,156 were issuable on vesting of restricted stock units granted under the 2012 Equity Incentive Plan and are subject to forfeiture.

24,610

2. The price reported in Column 4 is a weighted-average price. These shares were sold in multiple transactions at prices ranging from \$29.00 to \$29.14, 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

07/15/2019

3. The price reported in Column 4 is a weighted-average price. These shares were sold in multiple transactions at prices ranging from \$29.00 to \$29.11, 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.

Remarks:

Stock Option

(right to buy)

> Lynnette C. Fallon, as attorney in fact for Kevin J. Brewer

** Signature of Reporting Person

24,610

Common

07/15/2022

02/12/2020

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).

02/11/2020

** 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.