FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL								
OMB Number:	3235-0287							
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	Check this box if no longer subjec
)	to Section 16. Form 4 or Form 5
J	obligations may continue. See
	Instruction 1(b).

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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*     BREWER KEVIN J					2. Issuer Name and Ticker or Trading Symbol AXCELIS TECHNOLOGIES INC [ ACLS ]								(Che	5. Relationship of Reporting Person(s) to Issue (Check all applicable)  Director 10% Owner  Officer (give title Other (speci					
(Last)	(Fir	rst) (N CHNOLOGIES,	Middle)		3. Date of Earliest Transaction (Month/Day/Year) 05/25/2023								X	belov			below)	·	
108 CHERRY HILL DRIVE					4. If Amendment, Date of Original Filed (Month/Day/Year)							6. Individual or Joint/Group Filing (Check Applicable Line)							
(Street) BEVERLY MA 01915												X	X Form filed by One Reporting Person  Form filed by More than One Reporting  Person						
(City)	(St	ate) (Z	Zip)		Rule 10b5-1(c) Transaction Indication														
						Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10.										ended to			
		Table	I - No	n-Deriva	tive S	ecur	ities	Acq	uired,	Dis	posed of	, or I	3ene	ficial	ly Owr	ned			
1. Title of Security (Instr. 3)  2. Transact Date (Month/Day					Exec y/Year)   if any		Deemed cution Date, ly nth/Day/Year)		3. Transaction Code (Instr. and 5)							cially I	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership (Instr. 4)
									Code	v	Amount	ount (A)		Price	Reported Transaction(s) (Instr. 3 and 4)				
Common Stock 05/25/2						2023			s 2,313		I	)	\$148	4,	<b>1,</b> 510 <sup>(1)</sup>		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)	vative Conversion Date Execution Date, urity or Exercise (Month/Day/Year) if any			tion Date,	4. Transaction Code (Instr. 8)		5. Numl of Deriv Secu Acqu (A) o Dispo of (D) (Instr and 5	rative rities nired r osed )	6. Date E Expiratio (Month/E	on Da		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and		De Se (In	Price of rivative curity str. 5)	9. Number derivative Securities Beneficially Owned Following Reported Transactio (Instr. 4)	Owner Form: Direct or Indi (I) (Ins	Ownership	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exercisa		Expiration Date	Title	Amou or Numb of Share	per					

## Explanation of Responses:

1. Of the shares held as of May 25, 2023, 20,513 were issuable on vesting of restricted stock units granted to the director under the 2012 Equity Incentive Plan and are subject to forfeiture.

## Remarks:

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

05/25/2023

\*\* 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.