FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

<b>STATEMENT</b>	<b>OF CHANGES</b>	S IN BENEFI	CIAL OW	<b>NERSHIP</b>

OMB APPRO	OVAL
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

1. Name and Address of Reporting Person* <u>KEITHLEY JOSEPH P</u>					2. Issuer Name <b>and</b> Ticker or Trading Symbol <u>AXCELIS TECHNOLOGIES INC</u> [ ACLS ]										all app	ship of Reporting Person(s) to Issu applicable) irector 10% Owr			
(Last) (First) (Middle) C/O AXCELIS TECHNOLOGIES, INC.						3. Date of Earliest Transaction (Month/Day/Year) 03/14/2018										Office	er (give title w)	Other below	(specify )
108 CHERRY HILL DRIVE  (Street)  BEVERLY MA 01915  (City) (State) (Zip)					4. If Amendment, Date of Original Filed (Month/Day/Year)								i. Individual or Joint/Group Filing (Check Applicable ine)  X Form filed by One Reporting Person  Form filed by More than One Reporting Person						
	(City) (State) (Zip)  Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																		
1. Title of Security (Instr. 3)  2. Transac Date (Month/Date)						Execution Date		Date,	Transaction Code (Instr.		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 5)			4 and Se Be Ov		ount of ities icially d Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
									Code	v	Amount		(A) or (D)	Price		Reported Transaction(s) (Instr. 3 and 4)			(111501.4)
Common Stock 03/1					4/2018				s 4,00			D	\$26	.75	2	1,439	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)  2. Conversion or Exercise Price of Derivative Security  3. Transaction Date (Month/Day/Year) if any (Month/Day/Year)		Date,	4. Transaction Code (Instr. 8)		n of E		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4)  Amour or Numbe		ount	Deriv Secu	rivative curity str. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction((Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)			
					Code	v	(A)		Date Exercisal		Expiration Date	Title	of Sha	res					

**Explanation of Responses:** 

Remarks:

<u>Lynnette C. Fallon, as attorney</u> 03/14/2018 in fact for Joseph P. Keithley

\*\* 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.