Form 144 Filer Information SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

Form 144

**FORM 144** 

NOTICE OF PROPOSED SALE OF SECURITIES

PURSUANT TO RULE 144 UNDER THE SECURITIES ACT OF 1933

#### 144: Filer Information

Filer CIK 0001073329
Filer CCC XXXXXXXX
Is this a LIVE or TEST Filing? 

LIVE TEST

**Submission Contact Information** 

Name

Phone

E-Mail Address

#### 144: Issuer Information

Name of Issuer AXCELIS TECHNOLOGIES INC

SEC File Number 000-30941

108 CHERRY HILL DRIVE

Address of Issuer

BEVERLY

MASSACHUSETTS

01915

Phone 978-787-4000

Name of Person for Whose Account the Securities are To Be Sold KEITHLEY JOSEPH P

See the definition of "person" in paragraph (a) of Rule 144. Information is to be given not only as to the person for whose account the securities are to be sold but also as to all other persons included in that definition. In addition, information shall be given as to sales by all persons whose sales are required by paragraph (e) of Rule 144 to be aggregated with sales for the account of the person filing this notice.

Relationship to Issuer Control Person

## **144: Securities Information**

Title of the Class of Securities To Be Sold	Name and Address of the Broker	Number of Shares or Other Units To Be Sold	Aggregate Market Value			Name the Securities Exchange
Common Stock	Fidelity Brokerage Services LLC 245 Summer Street Boston MA 02110	2875	505252.50	32817464	08/07/2023	NASDAQ

Furnish the following information with respect to the acquisition of the securities to be sold and with respect to the payment of all or any part of the purchase price or other consideration therefor:

### 144: Securities To Be Sold

Title of the	Date you	Nature of	Name of	Is	Date	Amount of	Date of	Nature of
Class	Acquired	Acquisition	<b>Person from</b>	this	Donor	Securities	Payment	Payment *
		Transaction			Acquired	Acquired		

	Whom Acquired	a Gift?		
Common Stock 05/16/2023 Stock Award	Joseph P. Keithley		2689	05/16/2023 N/A
Common Stock 05/24/2012 Stock Award	Joseph P. Keithlev		1250	05/24/2012 N/A

<sup>\*</sup> If the securities were purchased and full payment therefor was not made in cash at the time of purchase, explain in the table or in a note thereto the nature of the consideration given. If the consideration consisted of any note or other obligation, or if payment was made in installments describe the arrangement and state when the note or other obligation was discharged in full or the last installment paid.

Furnish the following information as to all securities of the issuer sold during the past 3 months by the person for whose account the securities are to be sold.

Amount of

## 144: Securities Sold During The Past 3 Months

Name and Address of Seller	Title of Securities Sold	Date of Sale	Securities Sold	<b>Gross Proceeds</b>
JOSEPH P. KEITHLEY 1985 TRUST C/O AXCELIS TECHNOLOGIES, INC. 108 CHERRY HILL DRIVE BEVERLY MA 01915	Common Stock	05/15/2023	3000	378142.46
JOSEPH P. KEITHLEY 1985 TRUST C/O AXCELIS TECHNOLOGIES, INC. 108 CHERRY HILL DRIVE BEVERLY MA 01915	Common Stock	05/16/2023	1000	130973.95
JOSEPH P. KEITHLEY 1985 TRUST C/O AXCELIS TECHNOLOGIES, INC. 108 CHERRY HILL DRIVE BEVERLY MA 01915	Common Stock	05/17/2023	1000	134473.92
JOSEPH P. KEITHLEY 1985 TRUST C/O AXCELIS TECHNOLOGIES, INC. 108 CHERRY HILL DRIVE BEVERLY MA 01915	Common Stock	05/18/2023	2000	284801.12
JOSEPH P. KEITHLEY 1985 TRUST C/O AXCELIS TECHNOLOGIES, INC. 108 CHERRY HILL DRIVE BEVERLY MA 01915	Common Stock	05/25/2023	1000	152181.28
JOSEPH P. KEITHLEY 1985 TRUST C/O AXCELIS TECHNOLOGIES, INC. 108 CHERRY HILL DRIVE BEVERLY MA 01915	Common Stock	06/06/2023	1000	163473.69
JOSEPH P. KEITHLEY 1985 TRUST C/O AXCELIS TECHNOLOGIES, INC. 108 CHERRY HILL DRIVE BEVERLY MA 01915	Common Stock	06/07/2023	1000	172973.61
JOSEPH P. KEITHLEY 1985 TRUST C/O AXCELIS TECHNOLOGIES, INC. 108 CHERRY HILL DRIVE BEVERLY MA 01915	Common Stock	06/12/2023	500	90861.77

# 144: Remarks and Signature

Remarks shares sold for JOSEPH P. KEITHLEY 1985 TRUST, JOSEPH P. KEITHLEY TRUSTEE

Date of Notice 08/07/2023

**ATTENTION:** 

The person for whose account the securities to which this notice relates are to be sold hereby represents by signing this notice that he does not know any material adverse information in regard to the current and prospective operations of the Issuer of the securities to be sold which has not been publicly disclosed. If such person has adopted a written trading plan or given trading instructions to satisfy Rule 10b5-1 under the Exchange Act, by signing the form and indicating the date that the plan was adopted or the instruction given, that person makes such representation as of the plan adoption or instruction date.

Signature /s/ Myra King, as a duly authorized representative of Fidelity Brokerage Services LLC, as attorney-in-fact for JOSEPH P. KEITHLEY

ATTENTION: Intentional misstatements or omission of facts constitute Federal Criminal Violations (See 18 U.S.C. 1001)