UNITED STATES SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

FORM 8-K

CURRENT REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

Date of report (Date of earliest event reported): March 5, 2015

Axcelis Technologies, Inc.

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of incorporation)

000-30941

(Commission File Number)

34-1818596

(IRS Employer Identification No.)

108 Cherry Hill Drive, Beverly, Massachusetts

(Address of principal executive offices)

01915 (Zip Code)

Registrant's telephone number, including area code (978) 787-4000

Not applicable

(Former name or former address, if changed since last report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- o Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- x Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- o Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- o Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 8.01. Other Events.

On March 6, 2015, Axcelis Technologies, Inc. ("Axcelis" or the "Company") issued a press release announcing its entry into a Nomination and Standstill Agreement dated March 5, 2015 (the "Agreement") with Vertex Capital Advisors, LLC and certain of its affiliates (collectively, "Vertex"). Pursuant to the Agreement, (i) Vertex has agreed to irrevocably withdraw its director nominations and cease its proxy contest pertaining to the election of directors to Axcelis' Board of Directors (the "Board") at Axcelis' 2015 annual meeting of stockholders (the "2015 Annual Meeting") and (ii) the Company has agreed to include two independent director nominees recommended by Vertex in the Company's slate of director candidates for election at the 2015 Annual Meeting. Accordingly, pursuant to the Agreement, Axcelis intends to nominate Richard J. Faubert, R. John Fletcher, Arthur L. George, Jr., Joseph P. Keithley, John T. Kurtzweil, Barbara J. Lundberg, Patrick H. Nettles, Mary G. Puma and Thomas St. Dennis for election to the Board at the 2015 Annual Meeting.

Pursuant to the Agreement, Vertex has agreed to vote its shares in favor of the Board's recommended director candidates for the 2015 Annual Meeting and to certain other voting commitments. Vertex has also agreed to certain customary standstill provisions restricting Vertex's conduct with respect to the Company from the date of the Agreement until the earlier of 15 business days prior to the deadline for the submission of stockholder director nominations for the Company's 2016 annual meeting or 100 days prior to the one-year anniversary of the 2015 annual meeting. The Company has also agreed to reimburse Vertex for up to \$85,000 of its reasonable and documented expenses. The Agreement contains certain other terms and provisions relating to the Company and Vertex.

A copy of the press release is attached hereto as Exhibit 99.1, and a copy of the Agreement is attached hereto as Exhibit 99.2.

The foregoing description is qualified in its entirety by reference to the full text of the press release and the Agreement, which are incorporated herein by reference.

Important Additional Information

Axcelis has filed a preliminary proxy statement and WHITE proxy card with the Securities and Exchange Commission (the "SEC") and will be filing a definitive proxy statement in connection with the solicitation of proxies for the 2015 Annual Meeting. Axcelis, its directors, nominees and certain of its executive officers will be participants in the solicitation of proxies from stockholders in respect of the 2015 Annual Meeting. Information regarding the names of Axcelis' directors, director nominees and executive officers and their respective interests in Axcelis by security holdings or otherwise is set forth in Axcelis' preliminary proxy statement for the 2015 Annual Meeting, filed with the SEC on March 3, 2015 and will be set forth in the definitive proxy statement when it is filed with the SEC. BEFORE MAKING ANY VOTING DECISION, INVESTORS AND STOCKHOLDERS OF THE COMPANY ARE URGED TO READ ALL RELEVANT DOCUMENTS FILED WITH OR FURNISHED TO THE SEC, INCLUDING THE COMPANY'S DEFINITIVE PROXY STATEMENT AND ANY SUPPLEMENTS THERETO BECAUSE THEY WILL CONTAIN IMPORTANT INFORMATION. Investors and stockholders will be able to obtain a copy of the definitive proxy statement and other documents filed by the Company free of charge from the SEC's website, www.sec.gov. The Company's stockholders will also be able to obtain, without charge, a copy of the definitive proxy statement and other relevant filed documents by directing a request by mail to Axcelis Technologies, Inc., 108 Cherry Hill Drive, Beverly, Massachusetts 01915, Attn: Corporate Secretary, telephone: (978) 787-4000, or from the Company's website, http://investor.axcelis.com.

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Item 9.01. Financial Statements and Exhibits.

(d) Exhibits.

- 99.1 Press Release issued on March 6, 2015 by Axcelis Technologies, Inc.
- 99.2 Nomination and Standstill Agreement, dated March 5, 2015, among Axcelis Technologies, Inc., Vertex and each of the other persons set forth on the signature pages thereto.

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SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Dated: March 6, 2015

Axcelis Technologies, Inc.

By: /s/ Lynnette C. Fallon

Lynnette C. Fallon

Executive Vice President, HR/Legal and General Counsel

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AXCELIS REACHES AGREEMENT WITH VERTEX CAPITAL

VERTEX'S INDEPENDENT NOMINEES RICHARD J. FAUBERT AND JOHN T. KURTZWEIL TO JOIN AXCELIS' SLATE OF DIRECTOR CANDIDATES
FOR ELECTION AT 2015 ANNUAL MEETING OF STOCKHOLDERS

BEVERLY, Mass. — **March 6, 2015** — Axcelis Technologies, Inc. (Nasdaq: ACLS) today announced it has reached an agreement with Vertex Capital Advisors, LLC ("Vertex") whereby the Company will nominate Richard J. Faubert and John T. Kurtzweil to its Board of Directors (the "Board") at the Company's 2015 Annual Meeting of Stockholders scheduled for May 13, 2015. In addition to Messrs. Faubert and Kurtzweil, the Company's updated slate of director candidates consists of Thomas St. Dennis, R. John Fletcher, Arthur L. George, Jr., Joseph Keithley, Barbara J. Lundberg, Patrick H. Nettles and Mary G. Puma. The Board will continue to be comprised of nine members.

In connection with today's announcement, Vertex has withdrawn its prior director nominations and agreed to certain customary standstill and voting provisions, including voting in favor of all nominees recommended by Axcelis' Board at the 2015 Annual Meeting of Stockholders.

Axcelis Chairman and CEO Mary Puma said, "We welcome the addition of Richard and John to the Board, and believe they will bring new perspectives and additional industry and financial experience to Axcelis. This action further amplifies our Board's commitment to good corporate governance practices, and with these additions, the Company's slate will continue to include eight independent directors, five of whom are new or have served only one year. We believe this is a very positive outcome for Axcelis and our stockholders, and we look forward to working collaboratively as we continue to drive further market share gains, improve financial results and create long-term value for all stockholders. We've appreciated Vertex's insights into our business and its recommendations on additional steps to enhance stockholder value at the Company, many of which we have acted upon."

Eric Singer, Founder of Vertex Capital Advisors, stated, "We are pleased to have reached this agreement with Axcelis. We believe the Company is moving in the right direction to enhance stockholder value and believe Richard and John have the right backgrounds and perspectives to support the Board's continued focus on achieving this goal, both operationally and strategically. We've appreciated our dialogue with Mary and look forward to continuing to work collaboratively with her and the Axcelis team."

Biographies of the two new directors follow:

Richard J. Faubert

Richard Faubert brings extensive technology leadership experience in the semiconductor capital equipment industry, as well as significant manufacturing, engineering, research and development, business and operations experience in a high technology environment. Most recently, Mr. Faubert served as President, Chief Executive Officer and Chairman of AmberWave Systems Corporation, a semiconductor technology company, from September 2003 through December 2010. From 1998 through 2002, Mr. Faubert served as President, Chief Executive Officer and Director of SpeedFam-IPEC, Inc., a manufacturer of semiconductor equipment. Upon the sale of SpeedFam-IPEC to Novellus Systems, Inc., a capital equipment manufacturer, Mr. Faubert served as Executive Vice President of Novellus Systems

until April 2003. Prior to SpeedFam-IPEC, Mr. Faubert held executive and management positions at Tektronix, Inc., a test, measurement, and monitoring company, and GenRad, Inc., an electronics testing and manufacturing company.

Mr. Faubert has served on the Board of Directors of Electro Scientific Industries, Inc., a provider of laser-based manufacturing solutions for the microtechnology industry, and RadiSys Corporation, a provider of wireless infrastructure solutions for telecom, aerospace, and defense applications. Mr. Faubert also served on the North American Advisory Board of SEMI, a global industry association serving the manufacturing supply chain for the microand nano-electronics industries, from 2001 to 2011.

Mr. Faubert received a Bachelor's degree in electrical engineering from Northeastern University.

John T. Kurtzweil

John Kurtzweil has more than 20 years of experience as the Chief Financial Officer of publicly traded companies. He has extensive experience leading strategic planning cycles, M&A teams, and finance operations focused on improving stockholder value. Most recently, Mr. Kurtzweil served as Special Assistant to the Chief Executive Officer of Extreme Networks, a developer of Ethernet switching technology for data centers and the cloud, where Mr. Kurtzweil was previously the Executive Vice President, Finance, Chief Financial Officer and Treasurer. Prior to joining Extreme Networks, Mr. Kurtzweil served as Executive Vice President, Finance, Chief Financial Officer & Treasurer of Cree Inc, a developer of LED lighting technology and products, where he was instrumental in driving and supporting Cree's revenue growth from \$400 million to \$1.2 billion.

Previously, Mr. Kurtzweil was the Senior Vice President & Chief Financial Officer of Cirrus Logic, On Semiconductor and Read-Rite Corporation, and was the Interim Chief Financial Officer of Quepasa Corporation. Mr. Kurtzweil also served in various financial capacities at Maxtor Corporation, MiniScribe Corporation, and Honeywell Incorporated.

Mr. Kurtzweil received his Master's degree in Business Administration from the University of St. Thomas and a Bachelor's degree in accounting from Arizona State University.

Safe Harbor Statement

This letter contains forward-looking statements under the SEC safe harbor provisions. These statements, which include our guidance for future financial performance, are based on management's current expectations and should be viewed with caution. They are subject to various risks and uncertainties, many of which are outside the control of the Company, including the timing of orders and shipments, the conversion of orders to revenue in any particular quarter, or at all, the continuing demand for semiconductor equipment, relative market growth, continuity of business relationships with and purchases by major customers, competitive pressure on sales and pricing, increases in material and other production costs that cannot be recouped in product pricing and global economic, political and financial conditions. These risks and other risk factors relating to Axcelis are described more fully in the most recent Form 10-K

filed by Axcelis and in other documents filed from time to time with the Securities and Exchange Commission.

Important Additional Information

Axcelis has filed a preliminary proxy statement and WHITE proxy card with the Securities and Exchange Commission (the "SEC") and will be filing a definitive proxy statement in connection with the solicitation of proxies for the 2015 Annual Meeting. Axcelis, its directors, nominees and certain of its executive officers will be participants in the solicitation of proxies from stockholders in respect of the 2015 Annual Meeting. Information regarding the names of Axcelis' directors, director nominees and executive officers and their respective interests in Axcelis by security holdings or otherwise is set forth in Axcelis' preliminary proxy statement for the 2015 Annual Meeting, filed with the SEC on March 3, 2015 and will be set forth in the definitive proxy statement when it is filed with the SEC. BEFORE MAKING ANY VOTING DECISION, INVESTORS AND STOCKHOLDERS OF THE COMPANY ARE URGED TO READ ALL RELEVANT DOCUMENTS FILED WITH OR FURNISHED TO THE SEC, INCLUDING THE COMPANY'S DEFINITIVE PROXY STATEMENT AND ANY SUPPLEMENTS THERETO BECAUSE THEY WILL CONTAIN IMPORTANT INFORMATION. Investors and stockholders will be able to obtain a copy of the definitive proxy statement and other documents filed by the Company free of charge from the SEC's website, www.sec.gov. The Company's stockholders will also be able to obtain, without charge, a copy of the definitive proxy statement and other relevant filed documents by directing a request by mail to Axcelis Technologies, Inc., 108 Cherry Hill Drive, Beverly, Massachusetts 01915, Attn: Corporate Secretary, telephone: (978) 787-4000, or from the Company's website, http://investor.axcelis.com.

About Axcelis

Axcelis (ACLS), headquartered in Beverly, Mass., has been providing innovative, high-productivity solutions for the semiconductor industry for over 35 years. Axcelis is dedicated to developing enabling process applications through the design, manufacture and complete life cycle support of ion implantation systems, one of the most critical and enabling steps in the IC manufacturing process. Learn more about Axcelis at www.axcelis.com.

Contacts

Investor Relations: Doug Lawson 978.787.9552

Sard Verbinnen & Co John Christiansen / Meghan Gavigan 415.618.8750 / 212.687.8080

NOMINATION AND STANDSTILL AGREEMENT

This Nomination and Standstill Agreement, dated March 5, 2015 (this "<u>Agreement</u>"), is by and among Axcelis Technologies, Inc. (the "<u>Company</u>") and the entities and natural persons listed on <u>Exhibit A</u> hereto and their respective Affiliates (collectively, "<u>Vertex</u>") (each of the Company and Vertex, a "<u>Party</u>" to this Agreement, and collectively, the "<u>Parties</u>").

RECITALS

WHEREAS, Vertex is deemed to beneficially own shares of common stock of the Company (the "<u>Common Stock</u>") totaling, in the aggregate 7,458,668 shares, or approximately 6.7% percent, of the Common Stock of the Company issued and outstanding on the date hereof;

WHEREAS, Vertex submitted a nomination letter to the Company on February 9, 2015 (the "Nomination Letter") nominating six (6) director candidates to be elected to the Company's board of directors (the "Board") at the 2015 annual meeting of stockholders of the Company (the "2015 Annual Meeting"); and

WHEREAS, the Company and Vertex have determined to come to an agreement with respect to the election of members of the Board at the 2015 Annual Meeting, certain matters related to the 2015 Annual Meeting and certain other matters, as provided in this Agreement.

NOW, THEREFORE, in consideration of the foregoing premises and the mutual covenants and agreements contained herein, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties, intending to be legally bound, agree as follows:

- Board Matters; Board Nominations; 2015 Annual Meeting; Committees; and Other Company Matters.
- (a) Upon the execution of this Agreement, Vertex hereby irrevocably withdraws its Nomination Letter and nominees, and any and all related materials and notices submitted to the Company in connection therewith, including its demand for stockholder list materials pursuant to Section 220 of the Delaware General Corporation Law (the "<u>DGCL</u>"), and Vertex will not (i) nominate any person for election at the 2015 Annual Meeting, (ii) submit any proposal for consideration at, or bring any other business before, the 2015 Annual Meeting, directly or indirectly, or (iii) initiate, encourage or participate in any "withhold" or similar campaign with respect to the 2015 Annual Meeting, directly or indirectly, and will not permit any of its Affiliates or Associates to do any of the items in this <u>Section 1(a)</u>. Vertex will not publicly or privately encourage or support any other stockholder to take any of the actions described in this <u>Section 1(a)</u>.
 - (b) The Company agrees that:
- (1) prior to the mailing of the Company's definitive proxy statement for the 2015 Annual Meeting, the Board shall take all necessary action to nominate Richard J. Faubert

and John T. Kurtzweil (collectively, the "New 2015 Nominees"), together with Thomas St. Dennis, R. John Fletcher, Arthur L. George, Jr., Joseph Keithley, Barbara J. Lundberg, Patrick H. Nettles and Mary G. Puma (altogether, the "2015 Nominees"), for election as directors of the Company as part of the Company's director slate of nominees for the 2015 Annual Meeting;

- (2) it will recommend, support and solicit proxies for the election of the New 2015 Nominees in the same manner as for the Company's other 2015 Nominees at the 2015 Annual Meeting;
- as of the date of this Agreement, each of the New 2015 Nominees is appointed as an observer to the Board until the 2015 Annual Meeting. Accordingly, with respect to meetings of the full Board, if any, prior to the 2015 Annual Meeting (whether by telephone or in-person), each of the New 2015 Nominees will (i) receive copies of all notices and written information furnished to the full Board, reasonably in advance of each meeting to the extent practicable, and (ii) be permitted to be present at all meetings of the full Board (whether by telephone or in person). Notwithstanding the foregoing, (A) the Company shall be entitled to withhold any information and exclude each of the New 2015 Nominees from any meeting, or any portion thereof, as is reasonably determined by the Company to be necessary to protect the Company's attorney-client privilege, or as otherwise may be appropriate until each of the New 2015 Nominees is elected to the Board, and (B) each of the New 2015 Nominees shall execute a confidentiality agreement in form and substance reasonably acceptable to the Company with respect to the information and discussions to which he will have access;
 - (4) the Company will use its reasonable best efforts to hold the 2015 Annual Meeting no later than May 13, 2015;
- (5) the Company agrees that at the first meeting of the Board following each of the New 2015 Nominee's election to the Board, the Board will take all action necessary in furtherance of the appointment of each of the New 2015 Nominees to at least one committee of the Board whether now existing or hereafter created during the Standstill Period assuming they meet legal and stock exchange requirements for each such committee;
- (6) if either of the New 2015 Nominees or any Replacement Director (as defined below) is unable to serve as a director during the Standstill Period, and at such time Vertex beneficially owns in the aggregate at least 3.0% of the Company's then-outstanding Common Stock (subject to adjustment for stock splits, reclassifications, combinations and similar adjustments), Vertex shall have the ability to recommend a substitute person(s) for approval by the Nominating and Governance Committee of the Board (the "Governance Committee") to fill the resulting vacancy, which person will (i) be independent of Vertex, (ii) qualify as "independent" pursuant to Nasdaq listing standards, and (iii) have relevant financial and business experience, all as determined by the Governance Committee. The appointment of any such person to the Board will be subject to the approval of the Governance Committee after exercising its fiduciary duties in good faith, which approval shall not be unreasonably withheld (any such replacement nominee appointed in accordance with the terms of this Section 1(b)(6) will be referred to herein as the "Replacement Director"). In the event the Governance Committee does not accept the Replacement Director recommended by Vertex, the Parties shall continue to follow the procedures of this Section 1(b)(6) until a Replacement Director is elected to the Board. Upon the acceptance of a Replacement Director nominee by the Governance

Committee, the Board will appoint such Replacement Director to the Board (or, if prior to the 2015 Annual Meeting, include such Replacement Director in the Company's recommended slate of director candidates to be elected to the Board at the 2015 Annual Meeting) no later than five business days after the Governance Committee's recommendation of such Replacement Director.

- (c) At the 2015 Annual Meeting, Vertex will appear in person or by proxy and vote all shares of Common Stock beneficially owned by it (i) in favor of all of the Company's recommended nominees for election to the Board and (ii) against any director candidates not recommended by the Board; and (iii) in accordance with the Board's recommendation with respect to the Company's "say-on-pay" proposal, the Company's proposal to amend the 2012 Equity Incentive Plan and the Company's proposal to ratify the appointment of its registered public accounting firm unless, as it relates solely to the Company's "say-on-pay" or Equity Incentive Plan proposal, respectively, Institutional Shareholder Services Inc. recommends otherwise.
- (d) Vertex acknowledges that all members of the Board, including the New 2015 Nominees (and any Replacement Director), are required to (i) comply with all policies, procedures, processes, codes, rules, standards and guidelines applicable to Board members, including the Company's code of business conduct and ethics, securities trading policies, director confidentiality policies, and corporate governance guidelines, (ii) preserve the confidentiality of Company business and information, including discussions of matters considered in meetings of the Board or Board committees, (iii) complete the Company's customary director & officer questionnaire and other reasonable and customary director onboarding documentation and procedures required by the Company in connection with the election or appointment of Board members (which the Company acknowledges has been done with respect to the questionnaire and representation and agreement previously provided to the Company on behalf of the New 2015 Nominees), and (iv) consent to be named as a nominee in the Company's proxy statement and to serve as a director if elected. Vertex shall provide the Company with such information concerning Vertex as is required to be disclosed under applicable law or stock exchange regulations, in each case as promptly as necessary to enable timely filing of the Company's proxy statement. Other than with respect to the indemnification agreements previously disclosed to the Company with respect to the New 2015 Nominees (which indemnification agreements Vertex represents and warrants it has provided in full to the Company prior to the date hereof), Vertex has not and will not enter into any monetary or other arrangements with any of the Company's directors or director nominees.
- 2. <u>Standstill</u>. Vertex agrees that, from the date of this Agreement until the earlier of (i) the date that is fifteen (15) business days prior to the deadline for the submission of stockholder director nominations for the 2016 annual meeting of stockholders (the "2016 Annual Meeting") pursuant to the Company's bylaws or (ii) the date that is 100 calendar days prior to the one-year anniversary of the 2015 Annual Meeting (the "<u>Standstill Period</u>"), neither it nor any of its Affiliates or Associates will, and it will cause each of its Affiliates and Associates not to, directly or indirectly, in any manner (whether through third parties or otherwise):
- (a) make, engage in or in any way participate in any solicitation of proxies or consents or become a "participant" in a "solicitation" as such terms are defined in Regulation 14A under the Exchange Act (as defined herein) of proxies or consents (including any solicitation of consents that seeks to call a special meeting of stockholders or take action by

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written consent in lieu of a meeting, regardless of whether or not permitted to do so under the Company's organizational documents or applicable law), in each case, with respect to securities of the Company;

- (b) seek or encourage any person to submit nominations in furtherance of a "contested solicitation" for the election of directors with respect to the Company, or seek, encourage or take any other action with respect to the election or removal of any directors (including pursuing or encouraging any "withhold" or similar campaign), or otherwise seek to advise, influence or control the management (or any change thereof), governance, policies, business or affairs of the Company; provided, however, that if, at the beginning of the Search Period (as defined below), Vertex beneficially owns in the aggregate at least 3.0% of the Company's then-outstanding Common Stock (subject to adjustment for stock splits, reclassifications, combinations and similar adjustments), Vertex may, beginning no earlier than January 1, 2016 (the "Search Period"), to the extent it reasonably determines necessary, privately identify potential director candidates in connection with the 2016 Annual Meeting on a confidential basis and without contacting any shareholder (or any other person other than the candidates themselves) regarding potential director candidates or regarding Vertex's interest in or intent to identify director candidates (it being understood that Vertex may use a third-party director search firm to facilitate identification of potential candidates, but shall not disclose the Company's name to such third-party director search firm); provided, further, that Vertex shall require each potential director candidate to enter into a confidentiality agreement prior to identifying the Company or engaging in any substantive discussions regarding the Company with any such potential director candidate and, provided, further, that Vertex shall continue to abide by all of the other provisions of this Section 2 and Section 3 hereof during the Search Period;
- (c) seek, alone or in concert with others, representation on the Board or other change in the composition of the Board, including through submitting any director nominations or participating in any "stockholder access" or "proxy access" regime that may become applicable to the Company;
- (d) seek to advise, encourage, support or influence any person with respect to the voting, giving or withholding of any proxy, consent, or other authority with respect to the securities of the Company (except such advice, encouragement, support or influence that is consistent with the Company's recommendations on such matters) or the acquisition or disposition of any such securities;
- (e) (1) make any proposal (binding or non-binding) for consideration by stockholders at any annual or special meeting of stockholders of the Company or participate in any proposal made by any third party, (2) conduct a referendum of stockholders, (3) make a request for any stockholder list materials or any books and records of the Company or any of the Company's Affiliates or Associates whether pursuant to Section 220 of the DGCL or otherwise or (4) (i) make any offer, recommendation, plan, purpose or proposal (with or without conditions) or, subject to the proviso in Section 3 hereof, public comment with respect to any share repurchase, dividend, self-tender or other change in capitalization, merger, acquisition, recapitalization, restructuring, disposition or other business combination or extraordinary transaction in the case of any of the foregoing involving the Company or any of the Company's Affiliates or Associates, or any subsidiary, business or division of the foregoing, or (ii) make any offer, recommendation,

plan, proposal or public comment with respect to any change in the management or material change in the business of the Company, or, in the case of any of the foregoing clauses (1) — (4), encourage, initiate or support any other third party in any such activity;

- (f) form, join or in any way participate in any partnership, limited partnership, syndicate or other group, including any "group" within the meaning of Section 13(d) of the Exchange Act, with respect to the Common Stock (other than a "group" that includes all or some of the entities identified on Exhibit A, but does not include any other entities not identified on Exhibit A as of the date hereof); provided, however, that a controlled Affiliate of Vertex may join such "group" following the execution of this Agreement, so long as any such Affiliate agrees to be bound by the terms and conditions of this Agreement;
- (g) institute, solicit, assist or join, as a party, any litigation, arbitration or other proceeding against or involving the Company or any of its current or former directors or officers (including derivative actions) other than to enforce the provisions of this Agreement;
- (h) grant any proxy, consent or other authority to vote with respect to any matters (other than to the named proxies included in the Company's proxy card for any annual meeting or special meeting of stockholders) or deposit any Common Stock in any voting trust or subject any Common Stock to any arrangement or agreement with respect to the voting of any Common Stock, other than any such voting trust, arrangement or agreement solely among the members of Vertex that is otherwise in accordance with this Agreement;
- (i) take any action that would, or would reasonably be expected to, require Vertex or the Company to make a public announcement or disclosure regarding any of the types of the matters addressed in this <u>Section 2</u>;
- (j) disclose that Vertex voted contrary to the recommendation of the Board on any matter other than as permitted by the proviso to Section 3 hereof;
- (k) enter into any discussions, negotiations, arrangements or understandings with any third party with respect to the matters set forth in this Section 2 or take or seek to take, or cause or seek to cause, or solicit others to take, any action inconsistent with this Section 2; or
- (l) make any request or submit any proposal to amend or waive the terms of this Agreement other than through non-public communications with the Company that would not be reasonably likely to trigger public disclosure obligations for any Party.

Except as expressly provided in Section 1 or Section 2 of this Agreement, each member of Vertex shall be entitled to vote their shares on any other proposal duly brought before the 2015 Annual Meeting, or otherwise vote as each member of Vertex determines in its sole discretion; provided that, as applicable, all such activity is in compliance with the requirements of this Agreement.

3. <u>Mutual Non-Disparagement</u>. Subject to applicable law, each of the Parties covenants and agrees that, during the Standstill Period, or if earlier, until such time as the other

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Party or any of its agents, subsidiaries, affiliates, successors, assigns, officers, key employees or directors shall have breached this Section 3, neither it nor any of its respective agents, subsidiaries, affiliates, successors, assigns, officers, key employees or directors, shall in any way publicly or privately disparage, call into disrepute, comment negatively upon, criticize or otherwise defame or slander the other Party or such other Party's subsidiaries, affiliates, successors, assigns, officers (including any former director of a Party or a Party's subsidiaries), directors (including any former director of a Party or a Party's subsidiaries), employees, stockholders, agents, attorneys or representatives; provided, however, that nothing herein shall limit the ability of Vertex to announce its views and its vote on any Board-approved publicly announced proposals relating to a merger of the Company, acquisition of the Company, disposition of all or substantially all of the assets of the Company or other business combination involving the Company, so long as such announcement is limited to the merits of any such matter and does not disparage the Company's directors or officers in connection with such matter, including the decision to pursue, approve or propose such matter. For purposes of this Section 3, neither of the New 2015 Nominees (or, if applicable, any Replacement Director) will be deemed to be an agent, affiliate, officer, key employee or director of the Company or Vertex and no actions taken by any director, agent or other representative of a Party in any capacity other than as a representative of, and at the direction of, such Party will be covered by this Agreement.

- 4. <u>Public Announcement</u>. Vertex and the Company shall announce this Agreement and the material terms hereof by means of a mutually agreed press release in the form attached hereto as <u>Exhibit B</u> (the "<u>Press Release</u>") as soon as practicable but in no event later than 9:00 a.m., New York City time, on March 6, 2015. Until the 2015 Annual Meeting, neither the Company nor Vertex nor the New 2015 Nominees shall make any public announcement or statement that is inconsistent with or contrary to the statements made in the Press Release, except as required by law or the rules of any stock exchange or with the prior written consent of the other Party. Vertex acknowledges that the Company may describe and file this Agreement and the associated Press Release with the SEC on a Current Report on Form 8-K, and the Company acknowledges that Vertex may file this Agreement and the associated Press Release as an exhibit to an amendment to its Schedule 13D on file with the SEC.
- 5. <u>Expenses</u>. The Company shall reimburse Vertex for its reasonable, documented out-of-pocket fees and expenses (including legal expenses) incurred in connection with the matters related to the 2015 Annual Meeting and the negotiation and execution of this Agreement, <u>provided</u> that such reimbursement shall not exceed \$85,000 in the aggregate.
- 6. <u>Representations and Warranties of the Company</u>. The Company represents and warrants to Vertex that this Agreement has been duly authorized, executed and delivered by the Company, and is a valid and binding obligation of the Company, enforceable against the Company in accordance with its terms.
- 7. <u>Representations and Warranties of Vertex</u>. Vertex represents and warrants to the Company that this Agreement has been duly authorized, executed and delivered by Vertex, is a valid and binding obligation of Vertex, enforceable against Vertex in accordance with its terms, and that <u>Exhibit A</u> sets forth a true and complete list of all Affiliates and Associates of Vertex. Vertex further represents and warrants that, as of the date of this Agreement, Vertex beneficially owns 7,458,668 shares of Common Stock and, except for such shares, does not currently have, and does not currently have any right to acquire, any interest in any other securities of the

Company (or any rights, options or other securities convertible into or exercisable or exchangeable (whether or not convertible, exercisable or exchangeable immediately or only after the passage of time or the occurrence of a specified event) for such securities or any obligations measured by the price or value of any securities of the Company or any of its Affiliates, including any swaps or other derivative arrangements designed to produce economic benefits and risks that correspond to the ownership of the Common Stock, whether or not any of the foregoing would give rise to beneficial ownership, and whether or not to be settled by delivery of Common Stock, payment of cash or by other consideration, and without regard to any short position under any such contract or arrangement). Vertex agrees that it will cause its Affiliates and Associates (including for the avoidance of doubt its partners, investment professionals and other employees) to comply with the terms of this Agreement.

8. <u>Definitions</u>. For purposes of this Agreement:

- (a) the terms "Affiliate" and "Associate" shall have the respective meanings set forth in Rule 12b-2 promulgated by the SEC under the Securities Exchange Act of 1934, as amended (the "Exchange Act"), and shall include all persons that at any time during the term of this Agreement become Affiliates or Associates of any applicable person referred to in this Agreement;
- (b) the terms "beneficial owner" and "beneficially own" shall have the same meanings as set forth in Rule 13d-3 promulgated by the SEC under the Exchange Act, except that a person shall also be deemed to be the beneficial owner of all shares which such person has the right to acquire (whether such right is exercisable immediately or only after the passage of time) pursuant to the exercise of any rights in connection with any securities or any agreement, arrangement or understanding (whether or not in writing), regardless of when such rights may be exercised and whether they are conditional, and all shares which such person or any of such person's Affiliates or Associates has or shares the right to vote or dispose;
 - (c) the term "including" shall mean including, without limitation; and
- (d) the terms "person" or "persons" shall mean any individual, corporation (including not-for-profit), general or limited partnership, limited liability or unlimited liability company, joint venture, estate, trust, association, organization or other entity of any kind or nature.
- 9. <u>Notices</u>. All notices, consents, requests, instructions, approvals and other communications provided for herein and all legal process in regard hereto shall be in writing and shall be deemed validly given, made or served, if (a) given by telecopy and email, when such telecopy is transmitted to the telecopy number set forth below and sent to the email address set forth below and the appropriate confirmation is received or (b) if given by any other means, when actually received during normal business hours at the address specified in this Section:

if to the Company: Axcelis Technologies, Inc.

108 Cherry Hill Drive Beverly, MA 01915

Attention: Lynnette C. Fallon

Executive Vice President, General Counsel & Corporate Secretary

Facsimile: (978) 787-4090

Email: Lynnette.Fallon@axcelis.com

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with a copy to: Wachtell, Lipton, Rosen & Katz

51 W. 52nd Street New York, NY 10019

Attention: Steven A. Rosenblum Sabastian V. Niles

Facsimile: (212) 403-2000 Email: SARosenblum@wlrk.com SVNiles@wlrk.com

if to Vertex: Vertex Capital Advisors, LLC

825 Third Avenue, 33rd Floor

New York, NY 10022 Attention: Eric Singer Email: singer@vertexlp.com

with a copy to: Olshan, Frome & Wolosky LLP

Park Avenue Tower 65 East 55th Street New York, NY 10022 Attention: Steve Wolosky Facsimile: (212) 451-2222 Email: SWolosky@olshanlaw.com

10. <u>Specific Performance; Remedies.</u> The Parties shall be entitled to seek an injunction or injunctions to prevent breaches of this Agreement and to enforce specifically the terms and provisions of this Agreement, in addition to any other remedy to which they are entitled at law or in equity. FURTHERMORE, EACH OF THE PARTIES HERETO (A) IRREVOCABLY WAIVES THE RIGHT TO TRIAL BY JURY AND (B) AGREES TO WAIVE ANY BONDING REQUIREMENT UNDER ANY APPLICABLE LAW, IN THE CASE ANY OTHER PARTY SEEKS TO ENFORCE THE TERMS BY WAY OF EQUITABLE RELIEF. THIS AGREEMENT SHALL BE GOVERNED IN ALL RESPECTS, INCLUDING VALIDITY, INTERPRETATION AND EFFECT, BY THE LAWS OF THE STATE OF DELAWARE WITHOUT GIVING EFFECT TO THE CHOICE OF LAW PRINCIPLES OF SUCH STATE.

11. <u>Jurisdiction</u>. The Parties irrevocably agree that any legal action or proceeding with respect to this Agreement and the rights and obligations arising hereunder, or for recognition and enforcement of any judgment in respect of this Agreement and the rights and obligations arising hereunder brought by the other Party hereto or its successors or assigns, shall be brought and determined exclusively in the Court of Chancery of the State of Delaware (or, if any such court declines to accept jurisdiction over a particular matter, any state or federal court within the State of Delaware) and any appellate court therefrom. Each of the Parties hereto hereby irrevocably submits with regard to any such action or proceeding for itself and in respect of its property, generally and unconditionally, to the personal jurisdiction of the aforesaid courts and agrees that it will not bring any action relating to this Agreement in any court other than the aforesaid courts. Each of the Parties hereto hereby irrevocably waives, and agrees not to assert in any action or proceeding with respect to this Agreement, (a) any claim that it is not personally

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subject to the jurisdiction of the above-named courts for any reason, (b) any claim that it or its property is exempt or immune from jurisdiction of any such court or from any legal process commenced in such courts (whether through service of notice, attachment prior to judgment, attachment in aid of execution of judgment, execution of judgment or otherwise) and (c) to the fullest extent permitted by applicable legal requirements, any claim that (1) the suit, action or proceeding in such court is brought in an inconvenient forum, (2) the venue of such suit, action or proceeding is improper or (3) this Agreement, or the subject matter hereof, may not be enforced in or by such courts.

- 12. <u>Severability</u>. If at any time subsequent to the date hereof, any provision of this Agreement shall be held by any court of competent jurisdiction to be illegal, void or unenforceable, such provision shall be of no force and effect, but the illegality or unenforceability of such provision shall have no effect upon the legality or enforceability of any other provision of this Agreement.
 - 13. Counterparts. This Agreement may be executed in two (2) or more counterparts which together shall constitute a single agreement.
- Entire Agreement; Amendment and Waiver; Successors and Assigns; Third Party Beneficiaries. This Agreement contains the entire understanding of the Parties hereto with respect to its subject matter. There are no restrictions, agreements, promises, representations, warranties, covenants or undertakings between the Parties other than those expressly set forth herein. No modifications of this Agreement may be made except in writing signed by an authorized representative of each the Company and Vertex, except that the signature of an authorized representative of the Company will not be required to permit an Affiliate of Vertex to agree to be listed on Exhibit A and be bound by the terms and conditions of this Agreement. No failure on the part of any party to exercise, and no delay in exercising, any right, power or remedy hereunder shall operate as a waiver thereof, nor will any single or partial exercise of such right, power or remedy by such party preclude any other or further exercise thereof or the exercise of any other right, power or remedy. All remedies hereunder are cumulative and are not exclusive of any other remedies provided by law. The terms and conditions of this Agreement will be binding upon, inure to the benefit of, and be enforceable by the Parties hereto and their respective successors, heirs, executors, legal representatives, and permitted assigns. No Party will assign this Agreement or any rights or obligations hereunder without, with respect to any member of Vertex, the prior written consent of the Company, and with respect to the Company, the prior written consent of Vertex. This Agreement is solely for the benefit of the Parties and is not enforceable by any other persons.
- 15. <u>Interpretation and Construction</u>. Each of the Parties acknowledges that it has been represented by counsel of its choice throughout all negotiations that have preceded the execution of this Agreement, and that it has executed the same with the advice of said counsel. Each Party and its counsel cooperated and participated in the drafting and preparation of this Agreement and the documents referred to herein, and any and all drafts relating thereto exchanged among the Parties shall be deemed the work product of all of the Parties and may not be construed against any Party by reason of its drafting or preparation. Accordingly, any rule of law or any legal decision that would require interpretation of any ambiguities in this Agreement against any Party that drafted or prepared it is of no application and is hereby expressly waived by each of the Parties, and any controversy over interpretations of this Agreement shall be decided without regard to events of drafting or preparation.

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IN WITNESS WHEREOF, this Agreement has been duly executed and delivered by the duly authorized signatories of the Parties as of the date hereof.

AXCELIS TECHNOLOGIES, INC.

By: /s/ Mary G. Puma

Name: Mary G. Puma

Title: Chairman, Chief Executive Officer and President

VERTEX OPPORTUNITIES FUND, LP

By: Vertex GP, LLC General Partner

By: /s/ Eric Singer

Name: Eric Singer Title: Managing Member By: s/ Eric Singer

Name: Eric Singer Title: Managing Member

VERTEX SPECIAL OPPORTUNITIES FUND II, LP

By: Vertex Special Opportunities GP II, LLC

General Partner

By: s/ Eric Singer

Name: Eric Singer Title: Managing Member

[Signature Page to Agreement]

VERTEX SPECIAL OPPORTUNITIES GP II, LLC

By: s/ Eric Singer

Name: Eric Singer
Title: Managing Member

VERTEX CAPITAL ADVISORS, LLC

By: s/ Eric Singer

Name: Eric Singer
Title: Managing Member

s/ Eric Singer Eric Singer

[Signature Page to Agreement]

EXHIBIT A

Vertex Opportunities Fund, LP

Vertex GP, LLC

Vertex Special Opportunities Fund II, LP

Vertex Special Opportunities GP II, LLC

Vertex Capital Advisors, LLC

Eric Singer and any other future members of the general partners

EXHIBIT B

[Press Release, filed as Exhibit 99.1 to the Form 8-K Current Report to which this Nomination and Standstill Agreement is an Exhibit]