UNITE	D STATES
SECUR	ITIES AND EXCHANGE COMMISSION
Washi	ngton, D.C. 20549
SCHED	ULE 13G/A
(Amen Axcel	the Securities Exchange Act of 1934 dment No.2) is Technologies Inc.
(Name Commo	of Issuer) n Stock
(Titl 05454	e of Class of Securities)
(CUSI 12/31	P Number)
	of Event Which Requires Filing of this Statement)
is fi [X] R [] R	the appropriate box to designate the rule pursuant to which this Schedulo led: ule 13d-1(b) ule 13d-1(c) ule 13d-1(d)
initi and f	emainder of this cover page shall be filled out for a reporting person's al filing on this form with respect to the subject class of securities, or any subsequent amendment containing information which would alter isclosures provided in a prior cover page.
deeme Act o of th see t	nformation required in the remainder of this cover page shall not be d to be "filed" for the purpose of Section 18 of the Securities Exchange f 1934 ("Act") or otherwise subject to the liabilities of that section e Act but shall be subject to all other provisions of the Act (however, he Notes).
CUSIP	No. 054540109
1. NA S.S. Sterl 42-16	ME OF REPORTING PERSON or I.R.S. IDENTIFICATION NO. OF ABOVE PERSON ing Capital Management LLC 58828
2. CH	ECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP pplicable]]
3. SE	C USE ONLY
North	TIZENSHIP OR PLACE OF ORGANIZATION Carolina
NUMBE 5. SO 96454	R OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH: LE VOTING POWER 07
6. SH None	ARED VOTING POWER
7. S0 96454	LE DISPOSITIVE POWER 07
8. SH None	ARED DISPOSITIVE POWER
9. AG 96454	GREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
10. C	HECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES pplicable
9.207	ERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9
	YPE OF REPORTING PERSON

CUSIP No. 054540109

Item 1(a) Name of Issuer:
Axcelis Technologies Inc.
Item 1(b) Address of Issuer's Principal Executive Offices:
108 Cherry Hill Drive
Beverly, MA 01915

Item 2(a) Name of Person(s) Filing: Sterling Capital Management LLC ("Sterling") Item 2(b) Address of Principal Business Office:

Two Morrocroft Centre 4064 Colony Road, Suite 300 Charlotte, NC 28211

Item 2(c) Citizenship:
Sterling is a North Carolina limited liability company.

Item 2(d) Title of Class of Securities:
Common Stock (the "Stock")

Item 2(e) CUSIP Number: 054540109

Item 3 Type of Person:

(e) Sterling is an Investment Adviser registered under section 203 of the Investment Advisers Act of 1940, as amended.

Item 4 Ownership:

(a) Amount beneficially owned:

See Item 9 of Cover Pages.

(b) Percent of class:

See Item 11 of Cover Pages.

(c) Number of shares as to which such person has:

(i) Sole power to vote or to direct the vote:

See Item 5 of Cover Pages.

(ii) Shared power to vote or to direct the vote:

See Item 6 of Cover Pages

(iii) Sole power to dispose or direct the disposition of:

See Item 7 of Cover Pages.

(iv) Shared power to dispose or direct the disposition of:

See Item 8 of Cover Pages.

Item 5 Ownership of Five Percent or Less of a Class:
Not Applicable

Item 6 Ownership of More than Five Percent on Behalf of Another Person: Sterling is a registered investment adviser whose clients have the right to receive or the power to direct the receipt of dividends from, or the proceeds from the sale of, the Stock. None of these clients to the knowledge of Sterling beneficially owns more than 5% of the Stock.

Item 7 Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company: Sterling is an Investment Adviser registered under section 203 of the Investment Advisers Act of 1940, as amended.

Item 9 Notice of Dissolution of Group: Not Applicable

Item 10 Certification:

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

Signature

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: 1/31/2011

STERLING CAPITAL MANAGEMENT LLC By: /s/ Kenneth R. Cotner - -----

Kenneth R. Cotner

Executive Director and Chief Operating Officer