

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

SCHEDULE 13G
(Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT
TO RULES 13d-1(b), (c), AND (d) AND AMENDMENTS THERETO FILED
PURSUANT TO RULE 13d-2(b)

(Amendment No.)¹

EMCORE Corporation
(Name of Issuer)

Common Stock, no par value
(Title of Class of Securities)

290846203
(CUSIP Number)

May 2, 2019
(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)
 Rule 13d-1(c)
 Rule 13d-1(d)

¹ The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the *Notes*).

1	NAME OF REPORTING PERSON VIEX Opportunities Fund, LP - Series One*	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION DELAWARE	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER - 0 -
	6	SHARED VOTING POWER 1,645,870
	7	SOLE DISPOSITIVE POWER - 0 -
	8	SHARED DISPOSITIVE POWER 1,645,870
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,645,870	
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES <input type="checkbox"/>	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 5.9%	
12	TYPE OF REPORTING PERSON PN	

*The Series One is part of a series of VIEX Opportunities Fund, LP, a series limited partnership

1	NAME OF REPORTING PERSON VIEX GP, LLC	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION DELAWARE	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER - 0 -
	6	SHARED VOTING POWER 1,645,870
	7	SOLE DISPOSITIVE POWER - 0 -
	8	SHARED DISPOSITIVE POWER 1,645,870
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,645,870	
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES <input type="checkbox"/>	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 5.9%	
12	TYPE OF REPORTING PERSON OO	

1	NAME OF REPORTING PERSON VIEX Capital Advisors, LLC	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION DELAWARE	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER - 0 -
	6	SHARED VOTING POWER 1,645,870
	7	SOLE DISPOSITIVE POWER - 0 -
	8	SHARED DISPOSITIVE POWER 1,645,870
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,645,870	
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES <input type="checkbox"/>	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 5.9%	
12	TYPE OF REPORTING PERSON IA	

1	NAME OF REPORTING PERSON Eric Singer	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION USA	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER - 0 -
	6	SHARED VOTING POWER 1,645,870
	7	SOLE DISPOSITIVE POWER - 0 -
	8	SHARED DISPOSITIVE POWER 1,645,870
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,645,870	
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES <input type="checkbox"/>	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 5.9%	
12	TYPE OF REPORTING PERSON IN	

Item 1(a). Name of Issuer:

EMCORE Corporation, a New Jersey corporation (the "Issuer").

Item 1(b). Address of Issuer's Principal Executive Offices:

2015 W. Chestnut Street, Alhambra, California 91803

Item 2(a). Name of Person Filing:

This Schedule 13G is being jointly filed by

VIEX Opportunities Fund, LP – Series One ("Series One"), a series of VIEX Opportunities Fund, LP, a Delaware series limited partnership, VIEX GP, LLC ("VIEX GP"), a Delaware limited liability company, VIEX Capital Advisors, LLC ("VIEX Capital"), a Delaware limited liability company, and Eric Singer, a citizen of the United States of America. Each of the foregoing is referred to as a "Reporting Person" and collectively as the "Reporting Persons."

VIEX GP is the general partner of Series One. VIEX Capital is the investment manager to Series One. Mr. Singer is the managing member of each of VIEX GP and VIEX Capital. By virtue of these relationships, each of VIEX GP, VIEX Capital and Mr. Singer may be deemed to beneficially own the securities beneficially owned by Series One.

Item 2(b). Address of Principal Business Office or, if none, Residence:

The principal business office of each of the Reporting Persons is 150 East 52nd Street, 3rd Floor, New York, New York 10022.

Item 2(c). Citizenship:

Each of Series One, VIEX GP, and VIEX Capital is organized under the laws of Delaware. Mr. Singer is a citizen of the United States of America.

Item 2(d). Title of Class of Securities:

Common Stock, no par value (the "Shares")

Item 2(e). CUSIP Number:

290846203

Item 3. If this statement is filed pursuant to Section 240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:

- / x / Not Applicable
- (a) / / Broker or dealer registered under Section 15 of the Act (15 U.S.C. 78o).
- (b) / / Bank as defined in Section 3(a)(6) of the Act (15 U.S.C. 78c).
- (c) / / Insurance company as defined in Section 3(a)(19) of the Act (15 U.S.C. 78c).

- (d) // Investment company registered under Section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8).
- (e) // Investment adviser in accordance with Section 240.13d-1(b)(1)(ii)(E).*
- (f) // Employee benefit plan or endowment fund in accordance with Section 240.13d-1(b)(1)(ii)(F).
- (g) // Parent holding company or control person in accordance with Section 240.13d-1(b)(1)(ii)(G).**
- (h) // Savings association as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813).
- (i) // Church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act (15 U.S.C. 80a-3).
- (j) // Non-U.S. institution in accordance with Section 240.13d-1(b)(1)(ii)(J).
- (k) // Group, in accordance with Section 240.13d-1(b)(1)(ii)(J).

Item 4. Ownership.

All ownership information reported in this Item 4 is as of the close of business on May 6, 2019.

Series One

(a) Amount beneficially owned:

Series One directly beneficially owns 1,645,870 Shares.

(b) Percent of class:

5.9% (based upon 27,670,466 Shares outstanding, which is the total number of Shares outstanding as of January 31, 2019 as reported in the Issuer's Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on February 6, 2019).

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

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

0 Shares

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

1,645,870 Shares

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

0 Shares

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

1,645,870 Shares

VIEX GP

- (a) Amount beneficially owned:

VIEX GP, as the general partner of Series One, may be deemed the beneficial owner of the 1,645,870 Shares that may be deemed to be beneficially owned by Series One.

- (b) Percent of class:

5.9% (based upon 27,670,466 Shares outstanding, which is the total number of Shares outstanding as of January 31, 2019 as reported in the Issuer's Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on February 6, 2019).

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

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

0 Shares

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

1,645,870 Shares

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

0 Shares

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

1,645,870 Shares

VIEX Capital

- (a) Amount beneficially owned:

VIEX Capital, as the investment manager of Series One, may be deemed the beneficial owner of the 1,645,870 Shares that may be deemed to be beneficially owned by Series One.

- (b) Percent of class:

5.9% (based upon 27,670,466 Shares outstanding, which is the total number of Shares outstanding as of January 31, 2019 as reported in the Issuer's Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on February 6, 2019).

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

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

0 Shares

- (ii) Shared power to vote or to direct the vote
1,645,870
- (iii) Sole power to dispose or to direct the disposition of
0 Shares
- (iv) Shared power to dispose or to direct the disposition of
1,645,870

Mr. Singer

- (a) Amount beneficially owned:

Mr. Singer, as the managing member of VIEX GP and VIEX Capital, may be deemed the beneficial owner of the 1,645,870 Shares that may be deemed to be beneficially owned by Series One.

- (b) Percent of class:

5.9% (based upon 27,670,466 Shares outstanding, which is the total number of Shares outstanding as of January 31, 2019 as reported in the Issuer's Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on February 6, 2019).

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

- (i) Sole power to vote or to direct the vote
0 Shares
- (ii) Shared power to vote or to direct the vote
1,645,870
- (iii) Sole power to dispose or to direct the disposition of
0 Shares
- (iv) Shared power to dispose or to direct the disposition of
1,645,870

The filing of this Schedule 13G shall not be construed as an admission that the Reporting Persons are, for purposes of Section 13(d) of the Securities Exchange Act of 1934, as amended, the beneficial owners of any of the Shares reported herein. Each of the Reporting Persons specifically disclaims beneficial ownership of the Shares reported herein that are not directly owned by such Reporting Person.

Item 5. Ownership of Five Percent or Less of a Class.

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following [].

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

Not Applicable.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company or Control Person.

Not Applicable.

Item 8. Identification and Classification of Members of the Group.

See Exhibit 99.1

Item 9. Notice of Dissolution of Group.

Not Applicable.

Item 10. Certifications.

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above 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, other than activities solely in connection with a nomination under § 240.14a-11.

SIGNATURES

After reasonable inquiry and to the best of his knowledge and belief, the undersigned certifies that the information set forth in this statement is true, complete and correct.

Dated: May 6, 2019

VIEX Opportunities Fund, LP – Series One

By: VIEX GP, LLC
General Partner

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

VIEX GP, LLC

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

VIEX Capital Advisors, LLC

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

/s/ Eric Singer
Eric Singer

JOINT FILING AGREEMENT

In accordance with Rule 13d-1(k)(1)(iii) under the Securities Exchange Act of 1934, as amended, the persons named below agree to the joint filing on behalf of each of them of a Statement on Schedule 13G filed May 6, 2019 (including amendments thereto) with respect to the Common Stock of EMCORE Corporation. This Joint Filing Agreement shall be filed as an Exhibit to such Statement.

Dated: May 6, 2019

VIEX Opportunities Fund, LP – Series One

By: VIEX GP, LLC
General Partner

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

VIEX GP, LLC

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

VIEX Capital Advisors, LLC

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

/s/ Eric Singer
Eric Singer