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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).

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Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan for the purchase or sale of equity securities of the issuer that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10.

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

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|--|--|--|
| 1. Name and Address of Reporting Person*<br><u>Vargas Matthew</u><br><br>(Last) (First) (Middle)<br><u>C/O EMCORE CORPORATION</u><br><u>450 CLARK DR.</u><br><br>(Street)<br><u>BUDD LAKE</u> <u>NJ</u> <u>07828</u><br><br>(City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol<br><u>EMCORE CORP [ EMKR ]</u> | 5. Relationship of Reporting Person(s) to Issuer<br>(Check all applicable)<br><br><input checked="" type="checkbox"/> Director 10% Owner<br><input checked="" type="checkbox"/> Officer (give title below) Other (specify below)<br><br><u>Interim CEO</u> |
|  | 3. Date of Earliest Transaction (Month/Day/Year)<br><u>02/28/2025</u>      |  |
| 4. If Amendment, Date of Original Filed (Month/Day/Year)   |  |  |

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) |   | 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) |            |                         | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 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                   |   |  |   |
| Common Stock                    | 02/28/2025                           |  | D                              |   | 218,683 <sup>(1)(2)</sup>   | D          | \$3.1 <sup>(1)(2)</sup> | 0   | 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) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) |   | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) |       | 6. Date Exercisable and Expiration Date (Month/Day/Year) |                 | 7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4) |                            | 8. Price of Derivative Security (Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---|--|--------------------------------------|--|--------------------------------|---|--|-------|--|-----------------|---|----------------------------|--|--|---|--|
|   |  |                                      |  | Code                           | V | (A)  | (D)   | Date Exercisable   | Expiration Date | Title   | Amount or Number of Shares |  |  |   |  |
| Performance-Based Restricted Stock Units (PSUs) | \$0  | 02/28/2025                           |  | D                              |   |  | 1,880 | (3)  | (3)             | Common Stock  | 1,880                      | (3)  | 0  | D   |  |

**Explanation of Responses:**

1. This Form 4 reports securities disposed of pursuant to the terms of the Agreement and Plan of Merger (the "Merger Agreement"), dated as of November 7, 2024, by and among EMCORE Corporation (the "Company"), Velocity One Holdings, LP ("Parent"), Aerosphere Power Inc., and Velocity Merger Sub, Inc., a copy of which is filed as Exhibit 2.1 to the Company's Current Report on Form 8-K filed with the Securities and Exchange Commission on November 8, 2024, pursuant to which the Company became a wholly-owned subsidiary of Parent (the "Merger") on February 28, 2025 (the "Effective Time"). At the Effective Time, each issued and outstanding share of common stock of the Company was converted into the right to receive \$3.10 in cash (the "Merger Consideration"), without interest, subject to any withholding taxes.

2. Includes 217,907 shares of common stock underlying restricted stock units subject to time-based vesting restrictions ("RSUs"). Pursuant to the Merger Agreement, at the Effective Time, the RSUs were canceled in consideration for the right to receive a lump sum cash payment (less any applicable tax withholdings) equal to the product obtained by multiplying (1) the amount of the Merger Consideration by (2) the total number of shares of common stock represented by such RSUs.

3. Pursuant to the Merger Agreement, at the Effective Time, the performance-based restricted stock units ("PSUs") were deemed to have satisfied certain specified performance vesting conditions at 100% of target, with any time-based vesting conditions waived, and were canceled in consideration for the right to receive a lump sum cash payment (less any applicable tax withholdings) equal to the product obtained by multiplying (1) the amount of the Merger Consideration by (2) the total number of shares of common stock represented by such PSUs.

Remarks:

/s/ Ryan Hochgesang, as attorney-in-fact02/28/2025

\*\* Signature of Reporting PersonDate

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.