

| OMB APPROVAL | |
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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* <u>McCarthy Michelle M</u> (Last) (First) (Middle) 50 MINUTEMAN ROAD (Street) ANDOVER MA 01810 (City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol <u>MERCURY SYSTEMS INC [MRCY]</u> | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) VP, CAO |
| | 3. Date of Earliest Transaction (Month/Day/Year) 08/16/2022 | |
| | | 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person |

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 | 08/16/2022 | | S | | 418 ⁽¹⁾ | D | \$51.2286 ⁽²⁾ | 15,624 | D | |
| Common Stock | 08/16/2022 | | S | | 186 ⁽¹⁾ | D | \$51.13 | 15,438 | D | |
| Common Stock | 08/17/2022 | | S | | 321 ⁽¹⁾ | D | \$51.2086 ⁽³⁾ | 15,117 | D | |
| Common Stock | 08/17/2022 | | S | | 90 ⁽¹⁾ | D | \$51.506 ⁽⁴⁾ | 15,027 | D | |
| Common Stock | | | | | | | | 25 | I | 401K Plan |

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 | | | | | |

Explanation of Responses:

- Represents the number of shares required to be sold by the reporting person to cover tax withholding obligations in connection with the vesting of RSAs and PSAs. This sale was made to satisfy tax withholding obligations by a sell to cover transaction and does not represent a discretionary trade by the reporting person.
- This transaction was executed in multiple trades at prices ranging from \$51.17 USD to \$51.33 USD; the price reported above reflects the weighted average sale price.
- This transaction was executed in multiple trades at prices ranging from \$51.03 USD to \$51.51 USD; the price reported above reflects the weighted average sale price.
- This transaction was executed in multiple trades at prices ranging from \$51.45 USD to \$51.51 USD; the price reported above reflects the weighted average sale price.

Remarks:

Michelle M McCarthy 08/18/2022

** Signature of Reporting Person Date

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.