1. Name and Address of Reporting Person
   ASLETT MARK
   (Last) (First) (Middle)
   50 MINUTEMAN ROAD
   ANDOVER MA 01810

2. Issuer Name and Ticker or Trading Symbol
   MERCURY SYSTEMS INC [ MRCY ]

3. Date of Earliest Transaction (Month/Day/Year)
   12/15/2020

4. If Amendment, Date of Original Filed (Month/Day/Year)
   
5. Relationship of Reporting Person(s) to Issuer
   X Director 10% Owner
   X Officer (give title below)
   President and CEO

6. Individual or Joint/Group Filing (Check Applicable Line)
   X Form filed by One Reporting Person

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

<table>
<thead>
<tr>
<th>Title of Security (Instr. 3)</th>
<th>Transaction Date (Month/Day/Year)</th>
<th>Deemed Execution Date, if any (Month/Day/Year)</th>
<th>Transaction Code (Instr. 8)</th>
<th>Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)</th>
<th>Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)</th>
<th>Ownership Form: Direct (D) or Indirect (I) (Instr. 4)</th>
<th>Nature of Indirect Beneficial Ownership (Instr. 4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Stock</td>
<td>12/15/2020</td>
<td>S</td>
<td>1,250 (1)</td>
<td>D</td>
<td>$81,4916 (2)</td>
<td>D</td>
<td></td>
</tr>
<tr>
<td>Common Stock</td>
<td>12/16/2020</td>
<td>S</td>
<td>1,250 (3)</td>
<td>D</td>
<td>$81,7953 (2)</td>
<td>D</td>
<td></td>
</tr>
</tbody>
</table>

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

<table>
<thead>
<tr>
<th>Title of Derivative Security (Instr. 3)</th>
<th>Conversion or Exercise Price of Derivative Security</th>
<th>Transaction Date (Month/Day/Year)</th>
<th>Deemed Execution Date, if any (Month/Day/Year)</th>
<th>Transaction Code (Instr. 8)</th>
<th>Number of Derivative Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)</th>
<th>Date Exercisable and Expiration Date (Month/Day/Year)</th>
<th>Title of Security Underlying Derivative Security (Instr. 3 and 4)</th>
<th>Amount or Number of Shares Beneficially Owned Following Reported Transaction(s) (Instr. 4)</th>
<th>Ownership Form: Direct (D) or Indirect (I) (Instr. 4)</th>
<th>Nature of Indirect Beneficial Ownership (Instr. 4)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Explanation of Responses:
1. Pursuant to a 10b5-1 stock trading plan established on August 7, 2020.
2. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from $80.45 to $81.98, inclusive.
3. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from $80.75 to $83.565, inclusive.

Remarks:
/s/ Michelle McCarthy,
Attorney-in-Fact for Aslett Mark
12/17/2020

** 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).
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.