



|                                                                                     |  |                                                                                                               |                                     |                                                                                                       |                             |
|-------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                              |  | DWN<br>M FORISKA<br>CHK<br>M FORISKA<br>REV'D<br>A VALASK                                                     | 16APR2002<br>16APR2002<br>16APR2002 |  TE Connectivity |                             |
| DIMENSIONS:<br>mm                                                                   |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0. PLC ±.1<br>1. PLC ±0.3<br>2. PLC ±0.10<br>3. PLC ±.<br>4. PLC ±. |                                     | NAME<br>24 WAY ARM,                                                                                   |                             |
|  |  | PRODUCT SPEC                                                                                                  |                                     | PLUG ASSEMBLY WITHOUT SHORTING BARS,                                                                  |                             |
| MATERIAL<br>SEE CHART ABOVE                                                         |  | APPLICATION SPEC                                                                                              |                                     | CUSTOMER SPEC.                                                                                        |                             |
| FINISH<br>-                                                                         |  | SIZE<br>A1                                                                                                    |                                     | CAGE CODE<br>00779                                                                                    | DRAWING NO<br>C=3-1419157-9 |
| WEIGHT<br>-                                                                         |  | RESTRICTED TO                                                                                                 |                                     | SHEET 2 OF 3                                                                                          |                             |
| CUSTOMER DRAWING                                                                    |  | SCALE<br>3:1                                                                                                  |                                     | REV<br>BM                                                                                             |                             |

| PIN-OUT CHART                                                             |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |             |                         |                       |
|---------------------------------------------------------------------------|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------|-------------|-------------------------|-----------------------|
| 1                                                                         | 2 | 3 | 4 | 5 |   | 7 | 8 | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |    |    |    | 1-1438103-5 | KEY "A"     |                         |                       |
| 1                                                                         | 2 |   |   | 5 | 6 | 7 | 8 |    |    | 11 | 12 |    |    | 15 | 16 | 17 | 18 |    | 21 | 22 | 23 |    |    |             | 1-1438356-2 | KEY "D"                 |                       |
|                                                                           | 2 | 3 | 4 | 5 | 6 |   |   |    |    |    | 12 | 13 | 14 | 15 | 16 | 18 | 19 |    | 21 | 22 | 23 | 24 |    |             | 2-1438095-3 | KEY "B"                 |                       |
|                                                                           |   |   | 4 | 5 | 6 |   |   |    |    | 10 | 11 | 12 |    |    | 16 | 17 | 18 |    |    |    | 22 | 23 | 24 |             |             | 1-1438103-4             | KEY "A"               |
| 1                                                                         |   |   |   |   |   | 7 |   |    |    | 10 | 11 | 13 |    |    | 16 | 17 | 18 | 19 |    | 22 | 23 | 24 |    |             | 1438582-3   | KEY "E"                 |                       |
| 1                                                                         | 2 | 3 |   |   |   | 7 | 8 | 9  | 10 | 11 |    | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |             |             | 1-1438356-1             | KEY "D"               |
|                                                                           | 2 |   |   | 5 | 6 |   |   |    |    |    | 11 | 12 | 13 | 15 |    |    | 18 | 19 |    | 22 | 23 | 24 |    |             | 1-1438096-4 | KEY "C"                 |                       |
|                                                                           | 2 |   |   | 5 | 6 |   |   |    |    |    | 11 | 12 | 13 | 14 | 15 |    | 18 | 19 | 21 | 22 | 23 | 24 |    |             | 1-1438103-3 | KEY "A"                 |                       |
| 1                                                                         | 2 | 3 |   |   |   | 7 |   |    |    | 10 | 11 | 13 |    |    | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |             |             | 1-1438356-0             | KEY "D"               |
|                                                                           | 2 | 3 | 4 | 5 | 6 |   |   |    |    |    | 12 | 13 | 14 | 15 | 16 | 18 | 19 | 21 | 22 | 23 | 24 |    |    |             | 2-1438095-2 | KEY "B"                 |                       |
|                                                                           | 2 | 3 | 4 | 5 | 6 |   |   |    |    |    | 12 | 13 | 14 | 15 | 16 | 18 | 19 | 21 | 22 | 23 | 24 |    |    |             | 1-1438096-3 | KEY "C"                 |                       |
|                                                                           | 2 |   |   | 5 | 6 |   |   |    |    |    | 12 | 13 |    |    | 16 | 18 |    |    |    |    |    | 24 |    |             | 1-1438096-2 | KEY "C"                 |                       |
|                                                                           | 2 |   |   | 5 | 6 |   |   |    |    |    | 11 | 12 | 13 |    | 15 | 16 | 18 | 19 |    | 22 | 23 | 24 |    |             | 1-1438096-1 | KEY "C"                 |                       |
| 1                                                                         |   |   |   |   |   | 7 |   |    |    | 10 | 11 | 13 |    |    | 16 | 17 | 18 | 19 |    | 22 | 23 | 24 |    |             | 1438583-3   | KEY "F"                 |                       |
| 1                                                                         |   |   |   |   |   | 7 |   |    |    | 10 | 11 | 13 |    |    | 16 |    | 19 |    |    | 22 |    |    |    |             | 1438583-2   | KEY "F"                 |                       |
|                                                                           |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 1438583-1   | KEY "F"                 |                       |
| 1                                                                         | 2 | 3 |   |   |   | 7 | 8 | 9  | 10 | 11 |    | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |             |             | 1438582-2               | KEY "E"               |
|                                                                           |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 1438582-1   | KEY "E"                 |                       |
| 1                                                                         | 2 | 3 | 4 | 5 |   | 7 | 8 | 9  | 10 | 11 |    | 13 | 14 | 15 |    | 17 |    | 19 | 20 | 21 |    |    |    |             |             | 1-1438103-2             | KEY "A"               |
|                                                                           | 2 | 3 | 4 | 5 | 6 |   |   |    |    |    |    | 12 | 13 | 14 | 15 | 16 | 18 | 19 |    | 22 | 23 | 24 |    |             | 2-1438095-1 | KEY "B"                 |                       |
|                                                                           | 2 | 3 | 4 | 5 | 6 |   |   |    |    |    | 11 | 12 | 14 |    | 16 | 18 |    |    |    |    |    | 24 |    |             | 2-1438095-0 | KEY "B"                 |                       |
|                                                                           | 2 | 3 | 4 | 5 | 6 |   |   |    |    |    |    | 12 | 13 | 15 | 16 | 18 | 19 |    | 22 | 23 | 24 |    |    |             | 1-1438095-9 | KEY "B"                 |                       |
| 1                                                                         |   |   |   |   |   | 7 |   |    |    | 10 | 11 | 13 |    |    | 16 | 17 | 18 | 19 |    | 22 | 23 | 24 |    |             | 1-1438103-1 | KEY "A"                 |                       |
|                                                                           | 2 | 3 | 4 | 5 | 6 |   |   |    |    |    | 11 | 12 | 14 |    | 16 | 18 |    |    | 21 |    | 24 |    |    |             | 1-1438095-8 | KEY "B"                 |                       |
|                                                                           |   |   |   | 6 |   |   |   |    |    |    | 12 | 13 | 14 | 15 | 16 | 18 | 19 | 21 | 22 | 23 | 24 |    |    |             | 1-1438095-7 | KEY "B"                 |                       |
| 1                                                                         | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |             |             | 1-1438103-0             | KEY "A"               |
| 1                                                                         | 2 | 3 |   |   |   | 7 | 8 | 9  |    |    |    | 13 | 14 | 15 |    | 17 |    | 19 | 20 | 21 |    |    |    |             |             | 2-1438103-0             | KEY "A"               |
|                                                                           |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |             | 1438356-9               | KEY "D"               |
| 1                                                                         | 2 |   |   | 5 | 6 | 7 | 8 |    |    | 11 | 12 |    |    | 15 | 16 |    |    |    |    | 22 | 23 |    |    |             |             | 1438356-8               | KEY "D"               |
| 1                                                                         | 2 |   |   | 5 | 6 | 7 | 8 |    |    | 11 | 12 |    |    | 15 | 16 |    |    |    |    | 22 | 23 |    |    |             |             | 1438103-9               | KEY "A"               |
|                                                                           |   |   |   | 6 |   |   |   |    |    | 11 | 12 | 14 |    | 16 | 18 |    |    |    |    |    |    | 24 |    |             |             | 1-1438095-6             | KEY "B"               |
|                                                                           |   |   |   | 6 |   |   |   |    |    |    | 12 | 13 | 14 | 15 | 16 | 18 | 19 |    | 22 | 23 | 24 |    |    |             | 1-1438095-5 | KEY "B"                 |                       |
|                                                                           |   |   |   | 6 |   |   |   |    |    |    | 12 | 13 | 14 |    | 16 | 18 |    |    |    |    |    | 24 |    |             | 1-1438095-4 | KEY "B"                 |                       |
|                                                                           |   |   | 5 | 6 |   |   |   |    |    | 11 | 12 |    |    | 15 | 16 | 18 |    | 21 | 22 | 23 |    |    |    |             | 1438356-7   | KEY "D"                 |                       |
|                                                                           |   |   | 5 | 6 |   |   |   |    |    | 11 | 12 |    |    | 15 | 16 | 17 | 18 | 21 | 22 | 23 |    |    |    |             | 1438356-6   | KEY "D"                 |                       |
|                                                                           |   |   | 5 | 6 |   |   |   |    |    | 11 | 12 |    |    | 15 | 16 | 18 | 21 | 22 | 23 |    |    |    |    |             | 1438356-5   | KEY "D"                 |                       |
|                                                                           |   |   | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |    |    | 15 | 16 | 17 | 18 |    | 21 | 22 | 23 |    |    |    |             | 1438356-4   | KEY "D"                 |                       |
|                                                                           |   |   | 5 | 6 |   |   |   |    |    | 11 | 12 |    |    | 15 | 16 | 18 |    | 21 | 22 | 23 |    |    |    |             | 1-1438095-3 | KEY "B"                 |                       |
|                                                                           |   |   | 5 | 6 |   |   |   |    |    | 11 | 12 |    |    | 15 | 16 |    |    | 22 | 23 |    |    |    |    |             | 1-1438095-2 | KEY "B"                 |                       |
|                                                                           |   |   |   |   |   |   |   |    |    | 11 | 13 |    |    | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |    |    |             | 1438103-8   | KEY "A"                 |                       |
|                                                                           |   |   |   | 5 | 6 |   |   |    |    | 11 | 12 |    |    |    |    |    |    |    |    | 22 | 23 |    |    |             |             | 1438356-3               | KEY "D"               |
| 1                                                                         | 2 | 3 | 4 | 5 | 6 |   |   |    |    |    |    |    |    |    |    |    |    |    |    | 23 |    |    |    |             | 1-1438095-1 | KEY "B"                 |                       |
| 1                                                                         | 2 | 3 | 4 | 5 | 6 |   |   |    |    |    |    |    |    |    | 16 | 18 |    |    |    | 23 |    |    |    |             | 1-1438096-0 | KEY "C"                 |                       |
| 1                                                                         | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9  | 10 |    |    |    |    |    | 16 | 18 |    |    |    | 23 |    |    |    |             | 1438096-9   | KEY "C"                 |                       |
| 1                                                                         | 2 | 3 | 4 | 5 | 6 |   |   |    |    |    |    |    |    |    |    | 18 |    |    |    | 22 | 23 |    |    |             | 1438096-8   | KEY "C"                 |                       |
| 1                                                                         | 2 | 3 |   |   |   | 7 | 8 | 9  | 10 | 11 |    | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |             |             | 1438096-7               | KEY "C"               |
| 1                                                                         | 2 | 3 | 4 | 5 | 6 |   |   |    |    |    |    |    |    |    | 16 | 18 |    |    |    | 22 | 23 |    |    |             | 1438096-4   | KEY "C"                 |                       |
|                                                                           |   |   |   |   |   |   |   |    |    | 11 | 13 |    |    |    |    |    | 19 | 20 | 21 | 22 |    |    |    |             | 1438096-3   | KEY "C"                 |                       |
| 1                                                                         | 2 | 3 | 4 | 5 | 6 |   |   |    |    |    |    |    |    |    |    | 17 | 18 |    |    |    |    |    |    |             | 1438096-2   | KEY "C"                 |                       |
| 1                                                                         | 2 | 3 | 4 | 5 | 6 |   |   |    |    |    |    |    |    |    |    | 16 | 17 |    |    | 22 | 23 |    |    |             | 1-1438095-0 | KEY "B"                 |                       |
| 1                                                                         | 2 | 3 | 4 | 5 | 6 |   |   |    |    |    |    |    |    |    |    | 16 | 17 |    |    | 22 | 23 |    |    |             | 1438095-9   | KEY "B"                 |                       |
| 1                                                                         | 2 | 3 | 4 | 5 | 6 |   |   |    |    |    |    |    |    |    |    | 17 |    |    |    | 22 |    |    |    |             | 1438095-8   | KEY "B"                 |                       |
| 1                                                                         | 2 | 3 | 4 | 5 | 6 |   |   |    |    |    |    |    |    |    |    | 16 | 17 |    |    | 22 |    |    |    |             | 1438095-7   | KEY "B"                 |                       |
|                                                                           |   |   |   | 6 |   |   |   |    |    | 11 | 12 | 14 |    | 16 | 18 |    |    | 21 |    | 24 |    |    |    |             | 1438095-6   | KEY "B"                 |                       |
| 1                                                                         | 2 | 3 | 4 | 5 | 6 |   |   |    |    |    |    |    |    |    |    |    |    |    |    | 22 | 23 |    |    |             | 1438095-5   | KEY "B"                 |                       |
|                                                                           | 2 | 3 |   | 6 | 7 | 8 |   |    |    |    | 12 | 13 | 15 | 16 | 18 | 19 | 21 | 22 | 23 | 24 |    |    |    |             | 1438095-3   | KEY "B"                 |                       |
|                                                                           |   |   |   | 6 |   |   |   |    |    |    | 12 | 13 | 15 | 16 | 18 | 19 |    | 22 | 23 | 24 |    |    |    |             | 1438095-4   | KEY "B"                 |                       |
| 1                                                                         | 2 | 3 | 4 | 5 | 6 |   |   |    |    |    |    |    |    |    |    |    |    |    |    | 22 |    |    |    |             | 1438095-2   | KEY "B"                 |                       |
|                                                                           |   |   | 5 | 6 |   |   |   |    |    | 11 | 12 |    | 15 | 16 |    |    |    |    |    | 22 | 23 |    |    |             | 1438356-2   | KEY "D"                 |                       |
|                                                                           |   |   | 5 | 6 |   |   |   |    |    | 11 | 12 |    | 15 | 16 | 18 |    | 21 | 22 | 23 |    |    |    |    |             | 1438103-7   | KEY "A"                 |                       |
|                                                                           |   |   | 5 | 6 |   |   |   |    |    | 11 | 12 |    | 15 | 16 |    |    |    |    |    | 22 | 23 |    |    |             | 1438103-6   | KEY "A"                 |                       |
| 1                                                                         |   |   |   |   |   | 7 |   |    |    | 11 | 13 |    |    | 15 | 16 | 17 | 18 | 19 |    | 22 | 23 | 24 |    |             | 1438103-5   | KEY "A"                 |                       |
|                                                                           | 2 | 3 | 4 | 5 | 6 |   |   |    |    |    | 12 | 13 | 14 | 15 | 16 | 18 | 19 | 21 | 22 | 23 | 24 |    |    |             | 1438103-4   | KEY "A"                 |                       |
| 1                                                                         |   |   |   |   |   | 7 |   |    |    | 11 | 13 |    |    |    |    |    | 19 |    | 22 |    |    |    |    |             | 1438096-5   | KEY "C"                 |                       |
|                                                                           |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 1438103-3   | KEY "A"                 |                       |
| 1                                                                         |   |   |   |   |   | 7 |   |    | 10 | 11 | 13 |    |    | 16 |    |    | 19 |    | 22 |    |    |    |    |             | 1438103-2   | KEY "A"                 |                       |
| 1                                                                         | 2 | 3 | 4 | 5 | 6 |   |   |    |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |             | 7-1419157-7 | KEY "A"                 |                       |
| 1                                                                         | 2 | 3 |   |   |   | 7 | 8 | 9  |    | 11 | 13 | 14 | 15 |    | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |    |             | 1438096-6   | KEY "C"                 |                       |
|                                                                           |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 1438103-1   | KEY "A"                 |                       |
|                                                                           |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 1438356-1   | KEY "D"                 |                       |
|                                                                           |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 4-1419171-1 | KEY "C"                 |                       |
|                                                                           |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 4-1419171-0 | KEY "B"                 |                       |
|                                                                           |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 3-1419171-9 | KEY "A"                 |                       |
| 1                                                                         | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |             |             | ASSEMBLY<br>PART NUMBER | PLUG<br>KEYING OPTION |
| TERMINAL HOLE POSITION                                                    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |             |                         |                       |
| CAVITIES WITH A NUMERIC SYMBOL INDICATE<br>CLOSED TERMINAL HOLE POSITIONS |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |             |                         |                       |
| BLANK CAVITIES INDICATE<br>OPEN TERMINAL HOLE POSITIONS                   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |             |                         |                       |

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