

| LOC | DIST | REVISIONS |     |                           |         |     |      |
|-----|------|-----------|-----|---------------------------|---------|-----|------|
|     |      | P         | LTR | DESCRIPTION               | DATE    | DWN | APVD |
| AD  | 00   |           | J9  | REVISED PER ECO-13-005565 | 01APR13 | KH  | JO   |

D

C

B

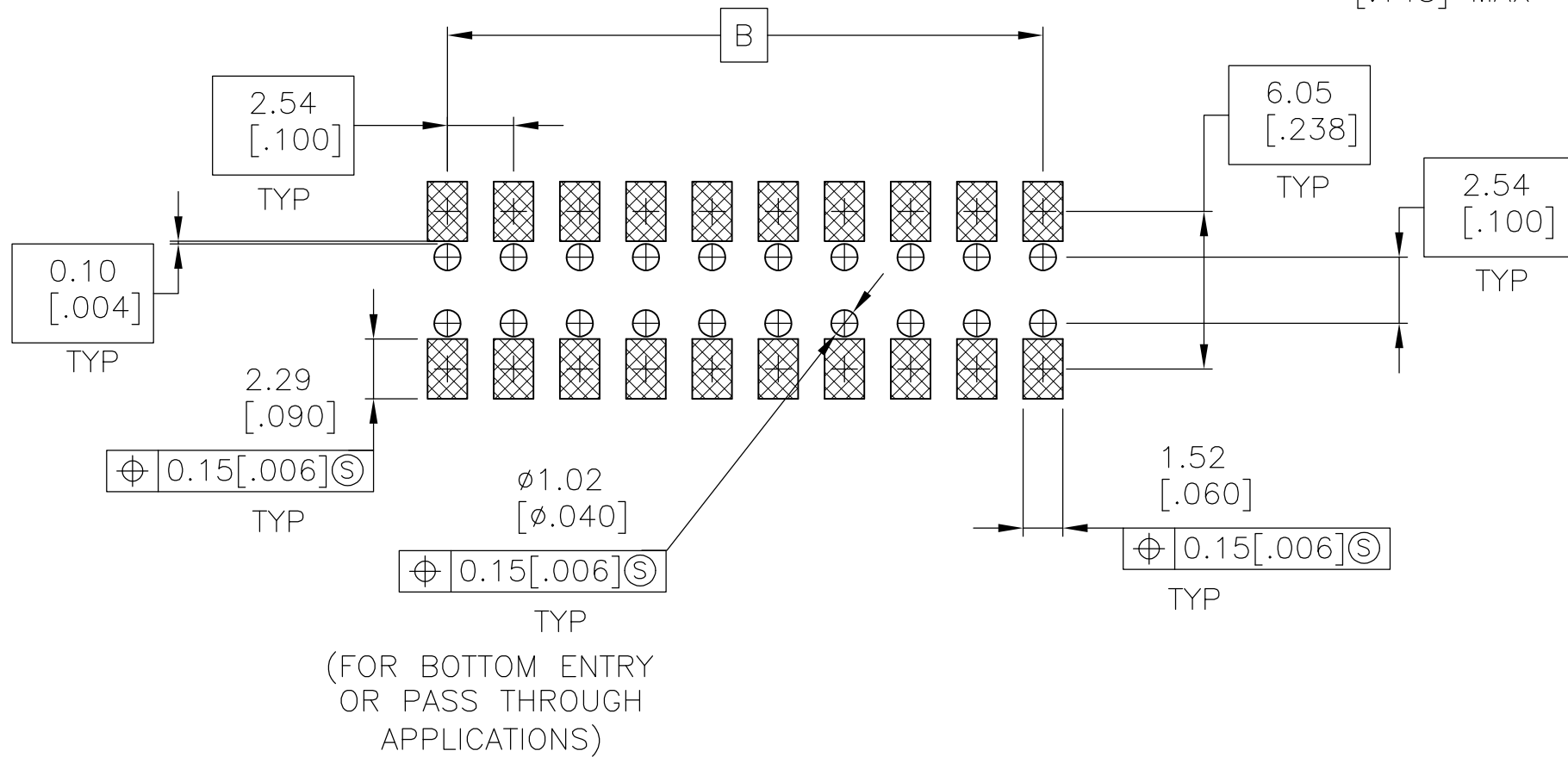
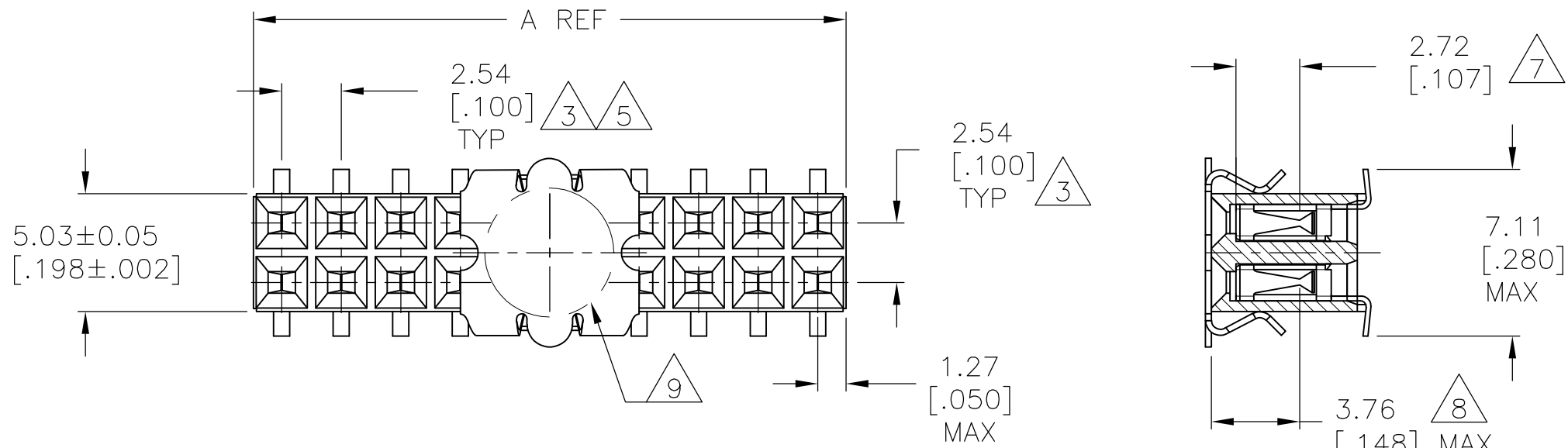
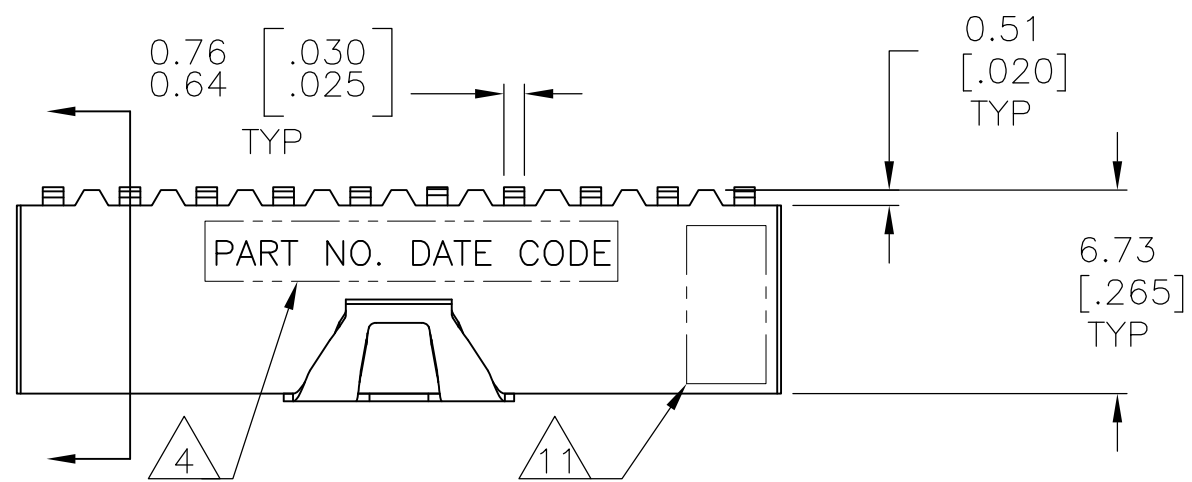
A

D

C

B

A



RECOMMENDED PC BOARD LAYOUT  
0.20[.008] THICK STENCIL

FOR PART NUMBERS 5-147105-1 THRU 9-147105-0  
SEE SHEET 2

|       |               |                |    |            |
|-------|---------------|----------------|----|------------|
| 120mm | 99.06 [3.900] | 101.60 [4.000] | 80 | 4-147105-0 |
|       | 96.52 [3.800] | 99.06 [3.900]  | 78 | 3-147105-9 |
|       | 93.98 [3.700] | 96.52 [3.800]  | 76 | 3-147105-8 |
|       | 91.44 [3.600] | 93.98 [3.700]  | 74 | 3-147105-7 |
|       | 88.90 [3.500] | 91.44 [3.600]  | 72 | 3-147105-6 |
|       | 86.36 [3.400] | 88.90 [3.500]  | 70 | 3-147105-5 |
|       | 83.82 [3.300] | 86.36 [3.400]  | 68 | 3-147105-4 |
|       | 81.28 [3.200] | 83.82 [3.300]  | 66 | 3-147105-3 |
|       | 78.74 [3.100] | 81.28 [3.200]  | 64 | 3-147105-2 |
|       | 76.20 [3.000] | 78.74 [3.100]  | 62 | 3-147105-1 |
|       | 73.66 [2.900] | 76.20 [3.000]  | 60 | 3-147105-0 |
|       | 71.12 [2.800] | 73.66 [2.900]  | 58 | 2-147105-9 |
| 88mm  | 68.58 [2.700] | 71.12 [2.800]  | 56 | 2-147105-8 |
|       | 66.04 [2.600] | 68.58 [2.700]  | 54 | 2-147105-7 |
|       | 63.50 [2.500] | 66.04 [2.600]  | 52 | 2-147105-6 |
|       | 60.96 [2.400] | 63.50 [2.500]  | 50 | 2-147105-5 |
|       | 58.42 [2.300] | 60.96 [2.400]  | 48 | 2-147105-4 |
| 72mm  | 55.88 [2.200] | 58.42 [2.300]  | 46 | 2-147105-3 |
|       | 53.34 [2.100] | 55.88 [2.200]  | 44 | 2-147105-2 |
|       | 50.80 [2.000] | 53.34 [2.100]  | 42 | 2-147105-1 |
|       | 48.26 [1.900] | 50.80 [2.000]  | 40 | 2-147105-0 |
|       | 45.72 [1.800] | 48.26 [1.900]  | 38 | 1-147105-9 |
|       | 43.18 [1.700] | 45.72 [1.800]  | 36 | 1-147105-8 |
|       | 40.64 [1.600] | 43.18 [1.700]  | 34 | 1-147105-7 |
|       | 38.10 [1.500] | 40.64 [1.600]  | 32 | 1-147105-6 |
|       | 35.56 [1.400] | 38.10 [1.500]  | 30 | 1-147105-5 |
|       | 33.02 [1.300] | 35.56 [1.400]  | 28 | 1-147105-4 |
|       | 30.48 [1.200] | 33.02 [1.300]  | 26 | 1-147105-3 |
|       | 27.94 [1.100] | 30.48 [1.200]  | 24 | 1-147105-2 |
| 44mm  | 25.40 [1.000] | 27.94 [1.100]  | 22 | 1-147105-1 |
|       | 22.86 [0.900] | 25.40 [1.000]  | 20 | 1-147105-0 |
|       | 20.32 [0.800] | 22.86 [0.900]  | 18 | 147105-9   |
|       | 17.78 [0.700] | 20.32 [0.800]  | 16 | 147105-8   |
|       | 15.24 [0.600] | 17.78 [0.700]  | 14 | 147105-7   |
|       | 12.70 [0.500] | 15.24 [0.600]  | 12 | 147105-6   |
|       | 10.16 [0.400] | 12.70 [0.500]  | 10 | 147105-5   |
|       | 7.62 [0.300]  | 10.16 [0.400]  | 8  | 147105-4   |
|       | 5.08 [0.200]  | 7.62 [0.300]   | 6  | 147105-3   |
|       | 2.54 [0.100]  | 5.08 [0.200]   | 4  | 147105-2   |
|       | -             | -              | 2  | 147105-1   |
| 24mm  | -             | 2.54 [0.100]   | 2  | 147105-1   |

|        |                |   |   |             |             |
|--------|----------------|---|---|-------------|-------------|
| FINISH | EIA TAPE WIDTH | B | A | NO.OF POSN. | PART NUMBER |
|--------|----------------|---|---|-------------|-------------|

|                                        |  |                      |                                                                                                        |  |  |
|----------------------------------------|--|----------------------|--------------------------------------------------------------------------------------------------------|--|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN M.BINNER 06NOV02 | TE Connectivity                                                                                        |  |  |
| DIMENSIONS: mm [INCHES]                |  | CHK J.OLSON 06NOV02  |                                                                                                        |  |  |
|                                        |  | APVD J.OLSON 06NOV02 | NAME<br>RECEPTACLE ASSEMBLY, MOD IV,<br>DOUBLE ROW, DUAL ENTRY, .100X.100CL,<br>SURFACE MOUNT, AMPMODU |  |  |
|                                        |  | PRODUCT SPEC         |                                                                                                        |  |  |
| MATERIAL<br>                           |  | APPLICATION SPEC     | SIZE<br>A2                                                                                             |  |  |
|                                        |  | 108-25022            |                                                                                                        |  |  |
| SEE TABLE                              |  | WEIGHT 114-25018     | CAGE CODE 00779                                                                                        |  |  |
|                                        |  | CUSTOMER DRAWING     |                                                                                                        |  |  |
|                                        |  | SCALE 4:1            | SHEET 1 of 2                                                                                           |  |  |
|                                        |  |                      | REV J9                                                                                                 |  |  |

| LOC | DIST | REVISIONS |     |             |      |     |      |
|-----|------|-----------|-----|-------------|------|-----|------|
|     |      | P         | LTR | DESCRIPTION | DATE | DWN | APVD |
| AD  | 00   |           | —   | SEE SHEET 1 | —    | —   | —    |

- 1

HOUSING: FLAME RETARDANT, GLASS FILLED, POLYESTER, COLOR: BLACK.  
CONTACT: PHOSPHOR BRONZE  
VACUUM COVER: STAINLESS STEEL
- 2

CONTACT: DUPLEX PLATED 0.76µm[.000030] GOLD IN CONTACT AREA, 3.81-7.62µm[.000150-.000300] BRIGHT TIN-LEAD ON, LEADS, ALL OVER 1.27µm[.000050] MINIMUM NICKEL
- 3

THESE DIMENSIONS PERTAIN TO CAVITIY CENTERLINES ONLY NOT TO CONTACT LOACATIONS
- 4

MARK PART NUMBER AND DATE CODE, IN APPROXIMATE LOCATION SHOWN, EITHER SIDE.
- 5

TOLERANCE IS NON-CUMULATIVE.
- 6

2 POSITION DATE CODE IS MARKED OPPOSITE SIDE OF TE CONNECTIVITY LOGO.
- 7

POINT OF MEASUREMENT DIMENSION FOR PLATING THICKNESS (INSIDE CONTACT BEAM).
- 8

POINT-OF-CONTACT DIMENSION.
- 9

ø5.51[.217] MIN TARGET AREA FOR VACUUM PICK UP. COVER TO BE REMOVED AFTER SOLDERING.
- 10

PACKAGED IN TAPE & REEL PER EIA 481 SPECIFICATION.
- 11

TE CONNECTIVITY TRADEMARK AND CSA LOGO ARE MOLDED INTO HOUSING.
- 12

NO PART NUMBER REQUIRED ON THIS PART.
- 13

CONTACT: DUPLEX PLATE CONNECTIVITYD 0.76µm[.000030] GOLD IN CONTACT AREA, 3.81-7.62µm[.000150-.000300] MATTE TIN ON LEADS, ALL OVER 1.27µm[.000050] MINIMUM NICKEL.
- 14

ROHS 2002/95/EC COMPLIANT.
- 15

SUPERRSEDED BY 6-147105-5
- 16

SUPERRSEDED BY 6-147105-8
- 17

SUPERRSEDED BY 7-147105-2
- 18

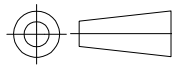
SUPERRSEDED BY 8-147105-0

|       |              |               |    |            |
|-------|--------------|---------------|----|------------|
| 120mm | 99.06[3.900] | 101.60[4.000] | 80 | 9-147105-0 |
|       | 96.52[3.800] | 99.06[3.900]  | 78 | 8-147105-9 |
|       | 93.98[3.700] | 96.52[3.800]  | 76 | 8-147105-8 |
|       | 91.44[3.600] | 93.98[3.700]  | 74 | 8-147105-7 |
|       | 88.90[3.500] | 91.44[3.600]  | 72 | 8-147105-6 |
|       | 86.36[3.400] | 88.90[3.500]  | 70 | 8-147105-5 |
|       | 83.82[3.300] | 86.36[3.400]  | 68 | 8-147105-4 |
|       | 81.28[3.200] | 83.82[3.300]  | 66 | 8-147105-3 |
|       | 78.74[3.100] | 81.28[3.200]  | 64 | 8-147105-2 |
|       | 76.20[3.000] | 78.74[3.100]  | 62 | 8-147105-1 |
|       | 73.66[2.900] | 76.20[3.000]  | 60 | 8-147105-0 |
|       | 71.12[2.800] | 73.66[2.900]  | 58 | 7-147105-9 |
| 88mm  | 68.58[2.700] | 71.12[2.800]  | 56 | 7-147105-8 |
|       | 66.04[2.600] | 68.58[2.700]  | 54 | 7-147105-7 |
|       | 63.50[2.500] | 66.04[2.600]  | 52 | 7-147105-6 |
|       | 60.96[2.400] | 63.50[2.500]  | 50 | 7-147105-5 |
|       | 58.42[2.300] | 60.96[2.400]  | 48 | 7-147105-4 |
| 72mm  | 55.88[2.200] | 58.42[2.300]  | 46 | 7-147105-3 |
|       | 53.34[2.100] | 55.88[2.200]  | 44 | 7-147105-2 |
|       | 50.80[2.000] | 53.34[2.100]  | 42 | 7-147105-1 |
|       | 48.26[1.900] | 50.80[2.000]  | 40 | 7-147105-0 |
|       | 45.72[1.800] | 48.26[1.900]  | 38 | 6-147105-9 |
|       | 43.18[1.700] | 45.72[1.800]  | 36 | 6-147105-8 |
|       | 40.64[1.600] | 43.18[1.700]  | 34 | 6-147105-7 |
|       | 38.10[1.500] | 40.64[1.600]  | 32 | 6-147105-6 |
|       | 35.56[1.400] | 38.10[1.500]  | 30 | 6-147105-5 |
|       | 33.02[1.300] | 35.56[1.400]  | 28 | 6-147105-4 |
| 44mm  | 30.48[1.200] | 33.02[1.300]  | 26 | 6-147105-3 |
|       | 27.94[1.100] | 30.48[1.200]  | 24 | 6-147105-2 |
|       | 25.40[1.000] | 27.94[1.100]  | 22 | 6-147105-1 |
|       | 22.86[.900]  | 25.40[1.000]  | 20 | 6-147105-0 |
|       | 20.32[.800]  | 22.86[.900]   | 18 | 5-147105-9 |
|       | 17.78[.700]  | 20.32[.800]   | 16 | 5-147105-8 |
|       | 15.24[.600]  | 17.78[.700]   | 14 | 5-147105-7 |
|       | 12.70[.500]  | 15.24[.600]   | 12 | 5-147105-6 |
|       | 10.16[.400]  | 12.70[.500]   | 10 | 5-147105-5 |
|       | 7.62[.300]   | 10.16[.400]   | 8  | 5-147105-4 |
|       | 5.08[.200]   | 7.62[.300]    | 6  | 5-147105-3 |
|       | 2.54[.100]   | 5.08[.200]    | 4  | 5-147105-2 |
|       |              |               | 2  | 5-147105-1 |
| 24mm  | -            | 2.54[.100]    | 2  | 5-147105-1 |

12

6

OBSOLETE

|                                                                                       |  |                                                                                                                                    |  |                      |  |                                                                                                |  |                                                                                                       |  |             |  |               |  |        |  |
|---------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------|--|----------------------|--|------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------|--|-------------|--|---------------|--|--------|--|
| FINISH                                                                                |  | EIA TAPE WIDTH                                                                                                                     |  | B                    |  | A                                                                                              |  | NO.OF POSN.                                                                                           |  | PART NUMBER |  |               |  |        |  |
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  |                                                                                                                                    |  |                      |  | DWN M.BINNER 06NOV02                                                                           |  |  TE Connectivity |  |             |  |               |  |        |  |
| DIMENSIONS:<br>mm [INCHES]                                                            |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:<br><br>0 PLC ± -<br>1 PLC ± -<br>2 PLC ± .005[0.13]<br>3 PLC ± -<br>4 PLC ± -<br>ANGLES ± - |  | CHK J.OLSON 06NOV02  |  | NAME                                                                                           |  |                                                                                                       |  |             |  |               |  |        |  |
|                                                                                       |  |                                                                                                                                    |  | APVD J.OLSON 06NOV02 |  | RECEPTACLE ASSEMBLY, MOD IV,<br>DOUBLE ROW, DUAL ENTRY, .100X.100CL,<br>SURFACE MOUNT, AMPMODU |  |                                                                                                       |  |             |  |               |  |        |  |
|  |  | PRODUCT SPEC                                                                                                                       |  | SIZE                 |  |                                                                                                |  | CAGE CODE                                                                                             |  | DRAWING NO  |  | RESTRICTED TO |  |        |  |
|                                                                                       |  | APPLICATION SPEC                                                                                                                   |  | 108-25022            |  | A2                                                                                             |  | 00779                                                                                                 |  | C=147105    |  | -             |  |        |  |
| MATERIAL                                                                              |  | FINISH                                                                                                                             |  | WEIGHT 114-25018     |  |                                                                                                |  |                                                                                                       |  |             |  |               |  |        |  |
|                                                                                       |  |                                                                                                                                    |  | SEE TABLE            |  |                                                                                                |  |                                                                                                       |  |             |  |               |  |        |  |
|  |  |                                                                                                                                    |  | CUSTOMER DRAWING     |  |                                                                                                |  |                                                                                                       |  | SCALE 1:1   |  | SHEET 2 of 2  |  | REV J9 |  |
|                                                                                       |  |                                                                                                                                    |  |                      |  |                                                                                                |  |                                                                                                       |  |             |  |               |  |        |  |

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[5-147105-3](#)