

## Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[TE Connectivity AMP Connectors](#)  
[1-641114-2](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

|     |      |         |               |
|-----|------|---------|---------------|
| LOC | DIST | REVIEWS |               |
| CM  | 00   |         |               |
|     |      | P       | LN            |
|     |      | S       | ECO-05-015650 |

① POST TO WITHSTAND 13 NEWTONS (3LBS.) MIN. AXIAL FORCE IN BOTH DIRECTIONS SHOWN WITHOUT DISLODGING.

② TOLERANCES APPLY TO SOLDER SIDE OF BOARD.

$\Delta$  TOLERANCES APPLY TO SOLDER SIDE OF BOARD.  
IN BOTH DIRECTIONS SHOWN WITHOUT DISLUGGING

MEASURED AT SURFACE  $\boxed{-A-}$

4 PLASTIC FLASH PERMITTED IN THIS AREA.

5. PARTS COMPLY WITH AMP SOLDERABILITY SPEC. NO. 109-11-2.

ONE HOLE MAY BE UNDERSIZED (.051/.046 DIA.) FOR ASSEMBLY REFLECTION DURING WAVE SOLDERING

**MATERIAL: HEADER—THERMOPLASTIC POLYESTER**

NON-FILLED 94V-O(NATURAL)  
POST-COPPER ALLOY (SEE NOTES

13 &amp; 14 FOR PLATING)

78. COORDINATE DIMENSION APPLIES FROM CENTER OF ACTUAL FEATURE.

9. PLASTIC BURRS CAUSED BY CUT-OFF TOOLING ARE PERMITTED WITHIN THE MAXIMUM TOLERANCE

ENVELOPE.

POST TO BE MEASURED WHEN STRIP IS HELD FLAT

POST MUSI WITHS AND TWO 90° BENDS AGAINST EXTRUSION WITHOUT BREAKING.

△12 DIMENSION SHOULD BE .140 MIN WHEN MATING WITH A MTA-156 CONNECTOR ASSEMBLY, OR A SL-156

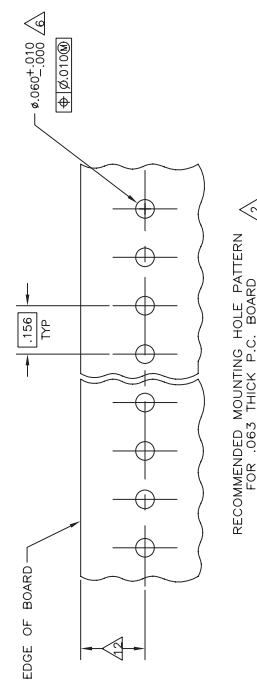
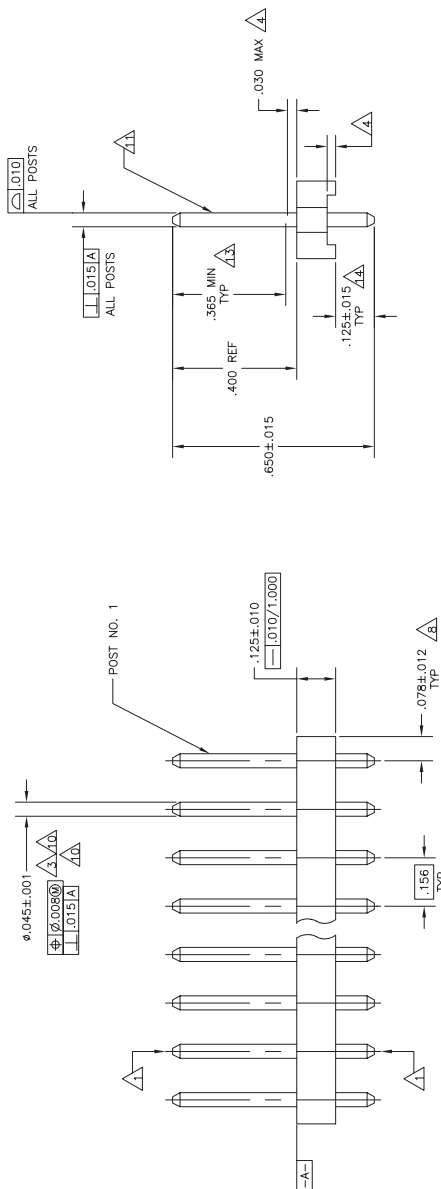
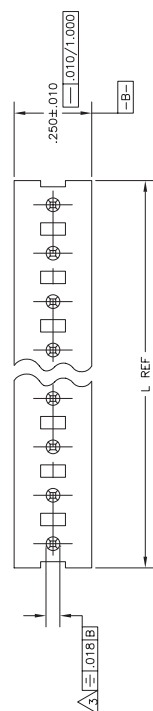
CONNECTOR ASSEMBLY .

13.3 GOLD PLATE AREA:.000015 MIN..ALL SIDES,OVER NICKEL UNDERPLATE:.000050 MIN.,ALL SIDES AND ENTIRE LENGTH OF POST

| ENTIRE LENGTH OF POST: | BRIGHT TIN / LEAD (93/7) | PLATE AREA | 000150-000350 |
|------------------------|--------------------------|------------|---------------|
|                        |                          |            |               |

14  
BRIGHT TIN/LEAD (95%) FLATE AREA,.000150-.000350" THICK,ALL FOUR SIDES,.125 MIN. FOR -2 THRU -20  
MATTE TIN PLATE AREA .000150-.000350" THICK

ALL FOUR SIDES, .175" MIN FOR -32 THRU -54.



| CONVERSION | TABLE  | IN    | MM    |
|------------|--------|-------|-------|
| 0.045      | 1.14   |       |       |
| 0.030      | 0.76   | 1.000 | 25.40 |
| 0.018      | 0.46   | 7.00  | 17.78 |
| 0.015      | 0.38   | 4.50  | 11.43 |
| 0.012      | 0.30   | 4.15  | 10.54 |
| 0.010      | 0.25   | 2.50  | 6.35  |
| 0.008      | 0.20   | 1.56  | 3.96  |
| 0.006      | 0.13   | 1.40  | 3.56  |
| 0.005      | 0.13   | 1.25  | 3.16  |
| 0.00350    | 0.0689 | 0.76  | 1.96  |
| 0.001500   | 0.0381 | 0.63  | 1.50  |
| 0.001000   | 0.0229 | 0.51  | 1.27  |
| 0.000750   | 0.0188 | 0.41  | 1.02  |
| 0.000500   | 0.0089 | 0.30  | 0.76  |
| 0.000300   | 0.0046 | 0.20  | 0.51  |
| 0.000100   | 0.0015 | 0.10  | 0.25  |

| FINISH | IN    | MM    | NUMBER OF | PART NUMBER |
|--------|-------|-------|-----------|-------------|
| TIN    | 3.744 | 95.10 | 24        | 5-641114-4  |
| TIN    | 3.988 | 91.14 | 23        | 5-641114-3  |
| TIN    | 3.452 | 87.17 | 22        | 5-641114-2  |
| TIN    | 3.276 | 85.21 | 21        | 5-641114-1  |
| TIN    | 3.162 | 78.23 | 20        | 5-641114-0  |
| TIN    | 2.908 | 71.32 | 19        | 5-641114-0  |
| TIN    | 2.952 | 67.32 | 18        | 4-641114-7  |
| TIN    | 2.486 | 63.40 | 17        | 4-641114-6  |
| TIN    | 2.496 | 63.40 | 16        | 4-641114-5  |
| TIN    | 2.340 | 59.44 | 15        | 4-641114-4  |
| TIN    | 2.184 | 55.47 | 14        | 4-641114-3  |
| TIN    | 2.028 | 51.51 | 13        | 4-641114-2  |
| TIN    | 1.872 | 47.55 | 12        | 4-641114-1  |
| TIN    | 1.716 | 43.59 | 11        | 4-641114-0  |
| TIN    | 1.560 | 39.62 | 10        | 3-641114-9  |
| TIN    | 1.404 | 35.66 | 9         | 3-641114-8  |
| TIN    | 1.248 | 31.70 | 8         | 3-641114-7  |
| TIN    | 1.092 | 27.74 | 7         | 3-641114-6  |
| TIN    | .936  | 23.77 | 6         | 3-641114-5  |
| TIN    | .780  | 19.81 | 5         | 3-641114-4  |
| TIN    | .624  | 15.85 | 4         | 3-641114-3  |
| TIN    | .468  | 11.89 | 3         | 3-641114-2  |
| TIN    | .312  | 7.92  | 2         | 3-641114-1  |

|  | TIN    | LEAD | 3,744 | 95.10     | 24 | 2-641114-4  |
|--|--------|------|-------|-----------|----|-------------|
|  | TIN    | LEAD | 3,588 | 91.14     | 23 | 2-641114-3  |
|  | TIN    | LEAD | 3,432 | 87.17     | 22 | 2-641114-2  |
|  | TIN    | LEAD | 3,276 | 83.21     | 21 | 2-641114-1  |
|  | TIN    | LEAD | 3,064 | 79.25     | 20 | 2-641114-0  |
|  | TIN    | LEAD | 2,852 | 75.29     | 19 | 2-641113-9  |
|  | TIN    | LEAD | 2,696 | 71.32     | 18 | 1-641114-8  |
|  | TIN    | LEAD | 2,652 | 67.36     | 17 | 1-641114-7  |
|  | TIN    | LEAD | 2,436 | 63.40     | 16 | 1-641114-6  |
|  | TIN    | LEAD | 2,340 | 59.44     | 15 | 1-641114-5  |
|  | TIN    | LEAD | 2,184 | 55.47     | 14 | 1-641114-4  |
|  | TIN    | LEAD | 2,028 | 51.51     | 13 | 1-641114-3  |
|  | TIN    | LEAD | 1,872 | 47.55     | 12 | 1-641114-2  |
|  | TIN    | LEAD | 1,716 | 43.59     | 11 | 1-641114-1  |
|  | TIN    | LEAD | 1,560 | 39.62     | 10 | 1-641114-0  |
|  | TIN    | LEAD | 1,404 | 35.66     | 9  | 641114-9    |
|  | TIN    | LEAD | 1,248 | 31.70     | 8  | 641114-8    |
|  | TIN    | LEAD | 1,092 | 27.74     | 7  | 641114-7    |
|  | TIN    | LEAD | 936   | 23.77     | 6  | 641114-6    |
|  | TIN    | LEAD | 780   | 19.81     | 5  | 641114-5    |
|  | TIN    | LEAD | 624   | 15.85     | 4  | 641114-4    |
|  | TIN    | LEAD | 468   | 11.89     | 3  | 641114-3    |
|  | TIN    | LEAD | 312   | 7.92      | 2  | 641114-2    |
|  | FINISH | TIN  | MM    | NUMBER OF |    | PART NUMBER |

RECOMMENDED MOUNTING HOLE PATTERN  
FOR .063 THICK P.C. BOARD

[illegible]

METRIC

|                                                                                     |                                                              |                                                                                     |              |            |                      |                   |               |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------|------------|----------------------|-------------------|---------------|
|  | 3 P.L.C.<br>4 P.L.C.<br>4 ANGLES<br>2 -<br>2 -<br>2 -<br>2 - |  | WEIGHT<br>-- | SIZE<br>A1 | CAGE CODE<br>C-64114 | DRAWING NO.<br>-- | RESTRICTED TO |
|                                                                                     |                                                              |                                                                                     |              |            |                      |                   |               |
| CUSTOMER DRAWING                                                                    |                                                              |                                                                                     |              | SCALE      | SHEET                | OF                | REV.          |