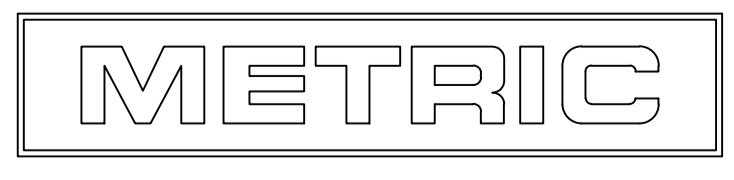


- 1. POST TO WITHSTAND 13 NEWTONS (3LBS.) MIN. AXIAL FORCE IN BOTH DIRECTIONS SHOWN WITHOUT DISLODGING.
- 2. TOLERANCES APPLY TO SOLDER SIDE OF BOARD.
- 3. MEASURED AT SURFACE C.
- 4. PLASTIC FLASH PERMITTED IN THIS AREA.
- 5. PARTS COMPLY WITH AMP SOLDERABILITY SPEC. NO. 109-11-2.
- 6. ONE HOLE MAY BE UNDERSIZED (.035/.032 DIA.) FOR ASSEMBLY RETENTION DURING WAVE SOLDERING.
- 7. MATERIAL: HEADER-THERMOPLASTIC POLYESTER 94V-0(NATURAL) POST-COPPER ALLOY (TIN PLATED)
- 8. COORDINATE DIMENSION APPLIES FROM CENTER OF ACTUAL FEATURE.
- 9. PLASTIC BURRS CAUSED BY CUT-OFF TOOLING ARE PERMITTED WITHIN THE MAXIMUM TOLERANCE ENVELOPE.
- 10. POST TO BE MEASURED WHEN STRIP IS HELD FLAT.
- 11. POST MUST WITHSTAND TWO 90 BENDS AGAINST EXTRUSION WITHOUT BREAKING.
- 12. DIMENSION SHOULD BE .120-.240 WHEN MATING WITH A MTA 100 CONNECTOR ASSEMBLY OR .120 MIN WHEN MATING WITH A CST 100 CONNECTOR.
- 13. PIN BURR OF .005 MAX. VERTICAL AND .003 MAX. HORIZONTAL PERMITTED AT POST TIPS ON BOTH ENDS.

|      |      |       |       |
|------|------|-------|-------|
| .032 | 0.81 | 1.000 | 25.40 |
| .025 | 0.64 | .295  | 7.49  |
| .020 | 0.51 | .240  | 6.10  |
| .018 | 0.46 | .200  | 5.08  |
| .015 | 0.38 | .140  | 3.56  |
| .012 | 0.30 | .120  | 3.05  |
| .010 | 0.25 | .100  | 2.54  |
| .008 | 0.20 | .063  | 1.60  |
| .005 | 0.13 | .062  | 1.57  |
| .003 | 0.08 | .050  | 1.27  |
| .001 | 0.03 | .040  | 1.02  |
| .000 | 0.00 | .035  | 0.89  |
| IN   | MM   | IN    | MM    |

CONVERSION TABLE

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



|       |       |                     |             |
|-------|-------|---------------------|-------------|
| 2.800 | 71.12 | 28                  | 2-640453-8  |
| 2.700 | 68.58 | 27                  | 2-640453-7  |
| 2.600 | 66.04 | 26                  | 2-640453-6  |
| 2.500 | 63.50 | 25                  | 2-640453-5  |
| 2.400 | 60.96 | 24                  | 2-640453-4  |
| 2.300 | 58.42 | 23                  | 2-640453-3  |
| 2.200 | 55.88 | 22                  | 2-640453-2  |
| 2.100 | 53.34 | 21                  | 2-640453-1  |
| 2.000 | 50.80 | 20                  | 2-640453-0  |
| 1.900 | 48.26 | 19                  | 1-640453-9  |
| 1.800 | 45.72 | 18                  | 1-640453-8  |
| 1.700 | 43.18 | 17                  | 1-640453-7  |
| 1.600 | 40.64 | 16                  | 1-640453-6  |
| 1.500 | 38.10 | 15                  | 1-640453-5  |
| 1.400 | 35.56 | 14                  | 1-640453-4  |
| 1.300 | 33.02 | 13                  | 1-640453-3  |
| 1.200 | 30.48 | 12                  | 1-640453-2  |
| 1.100 | 27.94 | 11                  | 1-640453-1  |
| 1.000 | 25.40 | 10                  | 1-640453-0  |
| .900  | 22.86 | 9                   | 640453-9    |
| .800  | 20.32 | 8                   | 640453-8    |
| .700  | 17.78 | 7                   | 640453-7    |
| .600  | 15.24 | 6                   | 640453-6    |
| .500  | 12.70 | 5                   | 640453-5    |
| .400  | 10.16 | 4                   | 640453-4    |
| .300  | 7.62  | 3                   | 640453-3    |
| .200  | 5.08  | 2                   | 640453-2    |
| -     | -     | -                   | -           |
| IN    | MM    | NUMBER OF POSITIONS | PART NUMBER |

THIS DRAWING IS A CONTROLLED DOCUMENT.

|                         |  |                     |                     |                      |            |
|-------------------------|--|---------------------|---------------------|----------------------|------------|
| DIMENSIONS: mm [INCHES] | TOLERANCES UNLESS OTHERWISE SPECIFIED: | DIN L. SMITH 2-8-93 | CHK R. SWING 2-8-93 | APVD R. SPEER 3-4-93 | NAME       |
| 0. PLC ± -              | 1. PLC ± -                             | 2. PLC ± -          | 3. PLC ± -          | 4. PLC ± -           | ANGLES ± - |
| MATERIAL                | FINISH                                 | WEIGHT              | SIZE                | CAGE CODE            | DRAWING NO |
|                         |  |                     | A1                  | 00779                | 640453     |
| CUSTOMER DRAWING        |  | SCALE               | SHEET               | OF                   | REV        |
|                         |  | 8:1                 | 1                   | 1                    | Y2         |

**STE** TE Connectivity

MTA 100 HEADER ASSEMBLY, PLAIN, .025 SQUARE RIGHT ANGLE POST, TIN-PLATED

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