



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

- 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 $\overline{-A-}$
- 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 .110-.160 WHEN MATING WITH A MTA 100 CONNECTOR ASSEMBLY OR .110-.120 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.

IN	MM	IN	MM
.050	1.27	.500	12.70
.040	1.02	.310	7.87
.035	0.89	.295	7.49
.032	0.81	.225	5.72
.025	0.64	.200	5.08
.020	0.51	.160	4.06
.015	0.38	.140	3.56
.010	0.25	.125	3.18
.008	0.20	.120	3.05
.005	0.13	.110	2.79
.003	0.08	.100	2.54
.001	0.03	.063	1.60
IN	MM	IN	MM

CONVERSION TABLE

643599-2 SHOWN

OBsolete	3	-643599-2
	2	643599-1
POST NUMBER OMITTED		PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DIN L. SMITH 2-23-93	TE Connectivity
DIMENSIONS: INCHES		CHK R. SWING 2-23-93	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APP'D R. SPEER 3-11-93	NAME
0. PLC ± -	1. PLC ± -	PRODUCT SPEC	MTA-100 HEADER ASSEMBLY, FRICTION LOCK, NOTCHED, .025 SQUARE RIGHT ANGLE POST, TIN PLATED, 5 POSITION, OMITTED POST
2. PLC ± -	3. PLC ± .005	APPLICATION SPEC	SIZE
4. PLC ± -	ANGLES ± 0°30'	WEIGHT	A1
MATERIAL	FINISH	CUSTOMER DRAWING	SCALE 8:1 SHEET 1 OF 1 REV H2

