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LOC

DIST

CM

00

REVISONS

DATE

DWN

APVD

DESCRIPTION

DATE

DWN

APVD

ECO-13-010738

12AUG13

M.T

D.Z

EDGE OF BOARD

3.96
[.156]
TYP

1.78^{+0.25}_{-0.00}

0.070^{+0.010}_{-0.000}

Ø0.25 [0.010] 10

TYP

12

4.57
[.180]
REF

7.62±0.38
[.300±0.15]

0.25/25.40 [0.010/1.000]

RECOMMENDED MOUNTING HOLE PATTERN

10 FOR 2.77±0.40 [0.109±0.016] THICK P.C. BOARD 12

1.14±0.03
[.045±0.001] SQUARE

Ø0.20 [0.008] 10

0.38 [0.015] A

10

1

POST NO. 1

3.18±0.25
[.125±0.010]

0.25/25.40 [0.010/1.000]

1.98±0.30
[.078±0.012]
TYP

3.96
[.156]
TYP

0.25 [0.010]

0.38 [0.015] A

ALL POSTS

1.85±0.25
[.073±0.010]

0.76
[.030]
MAX

11

13

9.27
[.365]
MIN TYP

10.80±0.25
[.425±0.010]

4

4.45±0.38
[.175±0.015]
TYP

4

LEAD FREE

95.10	[3.744]	24	5-644759-4
91.14	[3.588]	23	5-644759-3
87.17	[3.432]	22	5-644759-2
83.21	[3.276]	21	5-644759-1
79.25	[3.120]	20	5-644759-0
75.29	[2.964]	19	4-644759-9
71.32	[2.808]	18	4-644759-8
67.36	[2.652]	17	4-644759-7
63.40	[2.496]	16	4-644759-6
59.44	[2.340]	15	4-644759-5
55.47	[2.184]	14	4-644759-4
51.51	[2.028]	13	4-644759-3
47.55	[1.872]	12	4-644759-2
43.59	[1.716]	11	4-644759-1
39.62	[1.560]	10	4-644759-0
35.66	[1.404]	9	3-644759-9
31.70	[1.248]	8	3-644759-8
27.74	[1.092]	7	3-644759-7
23.77	[.936]	6	3-644759-6
19.81	[.780]	5	3-644759-5
15.85	[.624]	4	3-644759-4
11.89	[.468]	3	3-644759-3
7.92	[.312]	2	3-644759-2
DIM (L)	NO.OF POSN	ASSEMBLY	

LEAD SOLDERABLE

95.10	[3.744]	24	15-2-644759-4
91.14	[3.588]	23	15-2-644759-3
87.17	[3.432]	22	15-2-644759-2
83.21	[3.276]	21	15-2-644759-1
79.25	[3.120]	20	15-2-644759-0
75.29	[2.964]	19	15-1-644759-9
71.32	[2.808]	18	15-1-644759-8
67.36	[2.652]	17	15-1-644759-7
63.40	[2.496]	16	15-1-644759-6
59.44	[2.340]	15	15-1-644759-5
55.47	[2.184]	14	15-1-644759-4
51.51	[2.028]	13	15-1-644759-3
47.55	[1.872]	12	15-1-644759-2
43.59	[1.716]	11	15-1-644759-1
39.62	[1.560]	10	1-644759-0
35.66	[1.404]	9	644759-9
31.70	[1.248]	8	644759-8
27.74	[1.092]	7	15-644759-7
23.77	[.936]	6	15-644759-6
19.81	[.780]	5	15-644759-5
15.85	[.624]	4	15-644759-4
11.89	[.468]	3	644759-3
7.92	[.312]	2	644759-2
DIM (L)	NO.OF POSN	ASSEMBLY	

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

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

TOLERANCES APPLY TO SOLDER SIDE OF BOARD.

MEASURED AT SURFACE -A-

PLASTIC FLASH PERMITTED IN THIS AREA.

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

ONE HOLE MAY BE UNDERSIZED 1.65/1.52 [.065/.060] DIA. FOR ASSEMBLY RETENTION DURING WAVE SOLDERING.

MATERIAL: HEADER-THERMOPLASTIC POLYESTER GLASS-FILLED 94V-0 (NATURAL) POST-COPPER ALLOY (SEE NOTES 13 & 14 FOR PLATING)

COORDINATE DIMENSION APPLIES FROM CENTER OF ACTUAL FEATURE.

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

POST TO BE MEASURED WHEN STRIP IS HELD FLAT.

POST MUST WITHSTAND TWO 90° BENDS AGAINST EXTRUSION WITHOUT BREAKING.

DIMENSION SHOULD BE 4.45 [.175] MIN WHEN MATING WITH A MTA .156 CONNECTOR ASSEMBLY OR A SL-.156 CONNECTOR ASSEMBLY.

PLATING: GOLD PLATE AREA, 0.00076 [.000030] GOLD OR 0.00008 [.000003] MIN GOLD FLASH OVER 0.00068 [.000027] PALLADIUM NICKEL, PER TE CONNECTIVITY'S DISCRETION, ALL SIDES, OVER NICKEL UNDERPLATE, .00127 [.000050] MIN, ALL SIDES AND ENTIRE LENGTH OF POST.

PLATING: BRIGHT TIN/LEAD (93/7) PLATE AREA, 0.00381-0.00889 [.000150-.000350] THICK, ALL FOUR SIDES 4.45 [.175] MINIMUM FOR -2 THRU -24. MATTE TIN PLATE AREA 0.00381-0.00889 [.000150-.000350] THICK ALL FOUR SIDES, 4.45 [.175] FOR -32 THRU -54.

OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± - 1 PLC ± - 2 PLC ± 0.13 [.005] 3 PLC ± - 4 PLC ± - ANGLES ± - FINISH

MATERIAL

DRAWING NO. 00779

DATE 07NOV02

NAME

SIZE A1

WEIGHT

CUSTOMER DRAWING

TE Connectivity

MTA-.156 HEADER ASSEMBLY, FRICTION LOCK, STRAIGHT, .045 SQUARE POST, .000030 GOLD, SPECIAL

SCALE 5:1

SHEET 1 OF 1

REV G1

4805 (3/11)