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LOC

DIST

CM00

REVISONS

F	LTR	DESCRIPTION	DATE	DWN	APVD
	AC1	REVISED PER ECO-12-018706	24OCT12	JR	SM

EDGE OF BOARD

3.96
[.156]
TYP

1.78+0.25
-0.00

0.070+0.010
-0.000

0.25 [.010]

1.2

2

RECOMMENDED MOUNTING HOLE PATTERN
FOR 1.60 [.063] THICK P.C. BOARD

4.57
[.180]
REF

7.62±0.38
[.300±.015]

0.25/25.40
.010/1.000

1.14±0.03
[.045±.001]
SQUARE

0.20 [.008]

0.38 [.015]

1

10

3

10

POST NO. 1

3.18±0.25
[.125±.010]

0.25/25.40
.010/1.000

1.98±0.30
[.078±.012]
TYP

3.96
[.156]
TYP

0.25 [.010]
0.38 [.015]

ALL POSTS

16.51±0.38
[.650±.015]

1.85±0.25
[.073±.010]

9.27
[.365]
MIN TYP

10.16
[.400]

0.76
[.030]
MAX

10.80±0.25
[.425±.010]

3.18±0.38
[.125±.015]
TYP

14

4

4

11

LEAD FREE

95.10	[3.744]	24	5-641208-4
91.14	[3.588]	23	5-641208-3
87.17	[3.432]	22	5-641208-2
83.21	[3.276]	21	5-641208-1
79.25	[3.120]	20	5-641208-0
75.29	[2.964]	19	4-641208-9
71.32	[2.808]	18	4-641208-8
67.36	[2.652]	17	4-641208-7
63.40	[2.496]	16	4-641208-6
59.44	[2.340]	15	4-641208-5
55.47	[2.184]	14	4-641208-4
51.51	[2.028]	13	4-641208-3
47.55	[1.872]	12	4-641208-2
43.59	[1.716]	11	4-641208-1
39.62	[1.560]	10	4-641208-0
35.66	[1.404]	9	3-641208-9
31.70	[1.248]	8	3-641208-8
27.74	[1.092]	7	3-641208-7
23.77	[.936]	6	3-641208-6
19.81	[.780]	5	3-641208-5
15.85	[.624]	4	3-641208-4
11.89	[.468]	3	3-641208-3
7.92	[.312]	2	3-641208-2
DIM (L)		NO.OF POSN	ASSEMBLY

LEAD STRAIGHT

95.10	[3.744]	24	2-641208-4
91.14	[3.588]	23	2-641208-3
87.17	[3.432]	22	2-641208-2
83.21	[3.276]	21	2-641208-1
79.25	[3.120]	20	2-641208-0
75.29	[2.964]	19	1-641208-9
71.32	[2.808]	18	1-641208-8
67.36	[2.652]	17	1-641208-7
63.40	[2.496]	16	1-641208-6
59.44	[2.340]	15	1-641208-5
55.47	[2.184]	14	1-641208-4
51.51	[2.028]	13	1-641208-3
47.55	[1.872]	12	1-641208-2
43.59	[1.716]	11	1-641208-1
39.62	[1.560]	10	1-641208-0
35.66	[1.404]	9	641208-9
31.70	[1.248]	8	641208-8
27.74	[1.092]	7	641208-7
23.77	[.936]	6	641208-6
19.81	[.780]	5	641208-5
15.85	[.624]	4	641208-4
11.89	[.468]	3	641208-3
7.92	[.312]	2	641208-2
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

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, 0.00127 [.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 3.18 [.125] MINIMUM FOR -2 THRU -24. MATTE TIN PLATE AREA 0.00381-0.00889 [.000150-.000350] THICK ALL FOUR SIDES, 3.18 [.125] FOR -32 THRU -54.

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

METRIC

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
mm [INCHES]

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

MATERIAL

FINISH

DWN
S. HOOVER
07-NOV-2002

CHK
D. BOSSI
07-NOV-2002

APVD
D. BOSSI
07-NOV-2002

NAME

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

TE Connectivity

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

SIZE
A1

CAGE CODE
00779

DRAWING NO
641208

RESTRICTED TO

SCALE
5:1

SHEET
1

OF
1

REV
AC1

4805 (3/11)

Mouser Electronics

Authorized Distributor

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[5-641208-3](#)