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LOC

DIST

CM

00

REVISED PER ECR-15-006687

21OCT2015

NK

NL

1

2

3

4

5

6

7

8

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

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, 0.00038 [.000015] GOLD OR 0.00008 [.000003] MIN GOLD FLASH OVER 0.00030 [.000012] 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

OBSOLETE PART NUMBER

EDGE OF BOARD

3.96
[.156]
TYP

6

$\phi 1.52^{+0.25}_{-0.00}$

$\phi 0.060^{+0.010}_{-0.000}$

$\phi \phi 0.25$

[.010]

M

TYP

12

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]

(L)

1.14±0.03
[.045±.001]

3

10

10

$\phi \phi 0.20$

[.008]

M

0.38

[.015]

A

1

POST NO. 1

3.18±0.25
[.125±.010]

0.25/25.40[.010/1.000]

3.96
[.156]
TYP

1.98±0.30
[.078±.012]
TYP

8

ALL POSTS

1.85±0.25
[.073±.010]

11

9.27
[.365]
MIN TYP

0.76
[.030]
MAX

4

10.80±0.25
[.425±.010]

4

14

3.18±0.38
[.125±.015]
TYP

16.51±0.38
[.650±.015]

(10.16)
[.400]

43

LEAD FREE

95.10	[3.744]	24	5-641120-4
91.14	[3.588]	23	5-641120-3
87.17	[3.432]	22	5-641120-2
83.21	[3.276]	21	5-641120-1
79.25	[3.120]	20	5-641120-0
75.29	[2.964]	19	4-641120-9
71.32	[2.808]	18	4-641120-8
67.36	[2.652]	17	4-641120-7
63.40	[2.496]	16	4-641120-6
59.44	[2.340]	15	4-641120-5
55.47	[2.184]	14	4-641120-4
51.51	[2.028]	13	4-641120-3
47.55	[1.872]	12	4-641120-2
43.59	[1.716]	11	4-641120-1
39.62	[1.560]	10	4-641120-0
35.66	[1.404]	9	3-641120-9
31.70	[1.248]	8	3-641120-8
27.74	[1.092]	7	3-641120-7
23.77	[.936]	6	3-641120-6
19.81	[.780]	5	3-641120-5
15.85	[.624]	4	3-641120-4
11.89	[.468]	3	3-641120-3
7.92	[.312]	2	3-641120-2
DIM (L)	NO.OF POSN	ASSEMBLY	

CONTAINS LEAD

95.10	[3.744]	24	2-641120-4	15
91.14	[3.588]	23	2-641120-3	15
87.17	[3.432]	22	2-641120-2	15
83.21	[3.276]	21	2-641120-1	15
79.25	[3.120]	20	2-641120-0	15
75.29	[2.964]	19	1-641120-9	15
71.32	[2.808]	18	1-641120-8	16
67.36	[2.652]	17	1-641120-7	15
63.40	[2.496]	16	1-641120-6	15
59.44	[2.340]	15	1-641120-5	15
55.47	[2.184]	14	1-641120-4	15
51.51	[2.028]	13	1-641120-3	15
47.55	[1.872]	12	1-641120-2	16
43.59	[1.716]	11	1-641120-1	15
39.62	[1.560]	10	1-641120-0	16
35.66	[1.404]	9	-641120-9	16
31.70	[1.248]	8	-641120-8	16
27.74	[1.092]	7	-641120-7	16
23.77	[.936]	6	-641120-6	16
19.81	[.780]	5	-641120-5	16
15.85	[.624]	4	-641120-4	16
11.89	[.468]	3	-641120-3	16
7.92	[.312]	2	-641120-2	16
DIM (L)	NO.OF POSN	ASSEMBLY		

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIM S HOOVER 07NOV02

CHK D BOSSI 07NOV02

APVD D BOSSI 07NOV02

NAME

MTA-156 HEADER ASSEMBLY, FRICTION LOCK, STRAIGHT, .045 ROUND POST, .000015 GOLD

PRODUCT SPEC

APPLICATION SPEC

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

WEIGHT

A1

00779

641120

CUSTOMER DRAWING

SCALE

5:1

SHEET

1

OF

1

REV

AJ1

DIMENSIONS: mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -

1 PLC ± -

2 PLC ± 0.13 [.005]

3 PLC ± -

4 PLC ± -

ANGLES ± -

FINISH

7

7

4805 (3/11)

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[641120-7](#)