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By -

LOC

DIST

CM00

REVISED PER ECO-12-018706

DATE

24OCT12

DWN

JR

APVD

SM

EDGE OF BOARD

3.96
[.156]
TYP

1.78+0.25
-0.00

0.070+0.010
-0.000

0.25 [.010]

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

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

0.25 [.010]
0.38 [.015]

ALL POSTS

16.51±0.38
[.650±.015]

9.27
[.365]
MIN TYP

1.85±0.25
[.073±.010]

0.76
[.030]
MAX

10.80±0.25
[.425±.010]

3.18±0.38
[.125±.015]
TYP

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 (S) NITRIZ (O)

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

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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

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

2

TOLERANCES APPLY TO SOLDER SIDE OF BOARD.

3

MEASURED AT SURFACE

4

PLASTIC FLASH PERMITTED IN THIS AREA.

5

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

6

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

7

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

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

13

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.

14

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.

15

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 ±

FINISH

MATERIAL

DWN

S. HOOVER

07-NOV-2002

CHK

D. BOSSI

07-NOV-2002

APVD

D. BOSSI

07-NOV-2002

NAME

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

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

WEIGHT

A100779

641208

CUSTOMER DRAWING

SCALE

5:1

SHEET

1

OF

1

REV

AC1

TE Connectivity

4805 (3/11)