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LOC DIST
CM 00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	U	REVISED PER ECO-12-016930	05OCT12	KH	SM

4.57
[.180] REF

7.62±0.38
[.300±.015]

(15.85)
[.624]

1.14±0.03
[.045±.001]
SQUARE
⊕ .008 Ⓜ 3 10
⊥ .015 A
10

△13
△1

POST NO. 1

-A-

3.18±0.25
[.125±.010]
— .006

1.98±0.31
[.078±.012]

△1

3.96
[.156]

7.92
[.312]

⌓ .010
ALL POSTS

— .015 A
ALL POSTS

1.85±0.25
[.073±.010]

△11

10.16
[.400] REF

16.51±0.38
[.650±.015]

10.79±0.25
[.425±.010]

△4 0.76
[.030]
MAX

△4

3.15±0.38
[.124±.015]
TYP

EDGE OF BOARD

ø1.78 +0.25 -0.00
[ø.070 +.010 -.000]
⊕ ø.010 Ⓜ

△12

7.92
[.312]

3.96
[.156]

RECOMMENDED MOUNTING HOLE PATTERN △2
FOR 1.60 [.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 -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 1.65 [.065]-1.52 [.060]
ASSEMBLY RETENTION DURING WAVE SOLDERING.

△7 MATERIAL: HEADER-THERMOPLASTIC POLYESTER
GLASS-FILLED 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 4.45 [.175] MIN WHEN MATING WITH
A MTA .156 CONNECTOR ASSEMBLY OR A SL-.156
CONNECTOR ASSEMBLY.

△13 MAXIMUM PIN BURR OF 1.65 [.005] HIGH X 1.52 [.003]
WIDE PERMITTED AT POST TIPS ON BOTH ENDS.

CONVERSION TABLE

.065	1.65	.700	17.78
.063	1.60	.624	15.85
.060	1.52	.450	11.43
.045	1.14	.425	10.80
.030	0.76	.312	7.92
.015	0.38	.300	7.62
.012	0.30	.180	4.57
.010	0.25	.175	4.45
.008	0.20	.156	3.96
.006	0.15	.125	3.18
.005	0.13	.078	1.98
.003	0.08	.070	1.78
.001	0.03	.068	1.73
[IN]	MM	[IN]	MM

4805 (3/11)

643493-1 SHOWN

OBSOLETE	3 AND 4	643493-6
	1 AND 2	643493-5
	3	643493-4
	2 AND 3	643493-3
	1	
	2	643493-1
	POST NUMBER OMITTED	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN S. HOOVER	07NOV02
CHK D. BOSSI	07NOV02
APVD D. BOSSI	07NOV02

═TE   TE Connectivity

NAME

MTA-.156 HEADER ASSEMBLY FRICTION LOCK,
STRAIGHT .045 SQUARE POST, TIN LEAD
PLATED, 4 POSITION, OMITTED POST

DIMENSIONS: mm [INCHES]
TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± -
1 PLC ± -
2 PLC ± -
3 PLC ± .005
4 PLC ± -
ANGLES ± ± -

PRODUCT SPEC —
APPLICATION SPEC —

| SIZE A1 | CAGE CODE 00779 | DRAWING NO ©643493 | RESTRICTED TO — |

MATERIAL △7   FINISH △7   WEIGHT —

CUSTOMER DRAWING

SCALE 5:1   SHEET 1 OF 1   REV U

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[TE Connectivity](#):
  [643493-4](#)