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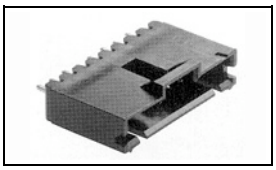
5-104362-3 Product Details

Share Print Email



5-104362-3

TE Internal Number: 5-104362-3

Active

View 3D PDF

.100 AMPMODU Headers, Housings & Contacts

Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- Connector
- Header
- Connector Style = Plug
- Contact Type = Pin
- 2.54 mm Centerline

View all Features

Quick Links

- Pricing & Availability
- Search for Tooling
- Product Feature Selector
- Contact Us About This Product

Add to My Part List | Request Sample | Find Similar Products | Buy Product

Documentation & Additional Information

Product Drawings:

- HEADER ASSY, AMPMODU MTE, VERTICAL SINGLE ROW, .100 ... (PDF, English)

Catalog Pages/Data Sheets:

- AMP MODU MTE Section of Catalog 1307819 (PDF, English)
- AMPMODU_INTERCONNECTION_SYSTEM_SECTION5_CONT (PDF, English)
- AMPMODU_MTE_INTERCONNECT_SYSTEM_QRG_4-1773458-0 (PDF, English)

Product Specifications:

- None Available

Application Specifications:

- AMPMODU MTE Interconnection System (PDF, English)

Instruction Sheets:

- None Available

CAD Files: (CAD Format & Compression Information)

- 2D Drawing (DXF, Version U)
- 3D Model (IGES, Version U)
- 3D Model (STEP, Version U)

List all Documents

Additional Information:

- Product Line Information

Related Products:

- Tooling

Product Features (Please use the Product Drawing for all design activity)

Product Type Features:

- Product Type = Connector
- Connector Type = Header
- Post Size (mm [in]) = 0.64 [.025]
- PCB Mounting Orientation = Vertical
- Termination Method to Wire/Cable = Crimp, Insulation Displacement Crimp (IDC)
- PCB Mount Style = Through Hole (SMT Compatible)
- PCB Mount Retention = With
- PCB Orientation Feature = No
- Connector Series = MTE

Electrical Characteristics:

- Contact - Rated Current (A) = 3
- Termination Resistance (mΩ) = 15
- Insulation Resistance (MΩ) = 5,000
- Dielectric Withstanding Voltage (V) = 600

Termination Features:

- Solder Tail Contact Plating = Matte Tin

Body Features:

- Row-to-Row Spacing (mm [in]) = 2.54 [0.100]

Contact Features:

- Contact Type = Pin
- Contact Plating, Mating Area, Material = Gold (15)
- Contact Base Material = Brass
- Contact Shape = Square

Configuration Features:

- Number of Positions = 4
- Number of Rows = 1

Industry Standards:

- RoHS/ELV Compliance = RoHS compliant, ELV compliant
- Lead Free Solder Processes = Wave solder capable to 260°C, Wave solder capable to 240°C, Wave solder capable to 265°C, Reflow solder capable to 245°C, Pin-in-Paste capable to 245°C
- RoHS/ELV Compliance History = Always was RoHS compliant
- Approved Standards = UL E28476, CSA LR7189

Environmental:

- Operating Temperature (°C) = -65 – +105

Conditions for Usage:

- Applies To = Printed Circuit Board
- Temperature Rating = High

Packaging Features:

- Packaging Method = Tube

Other:

- Brand = AMP
- Comment = Use Keying Tool No. 91417-1 to remove post for keying.

Housing Features:

- Connector Style = Plug
- Centerline (mm [in]) = 2.54 [0.100]
- Mating Alignment = With
- Mating Alignment Type = Latched
- Housing Color = Black
- UL Flammability Rating = UL 94V-0
- Housing Material = Thermoplastic - GF

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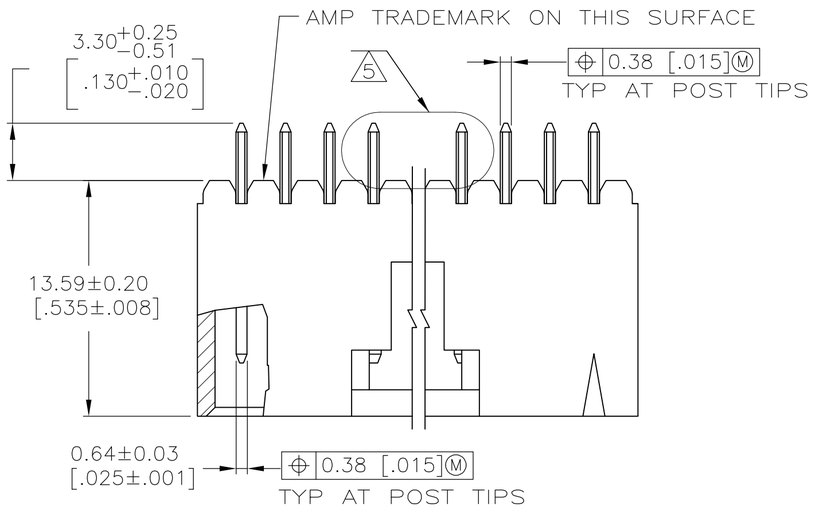
LOC	DIST
AD	00

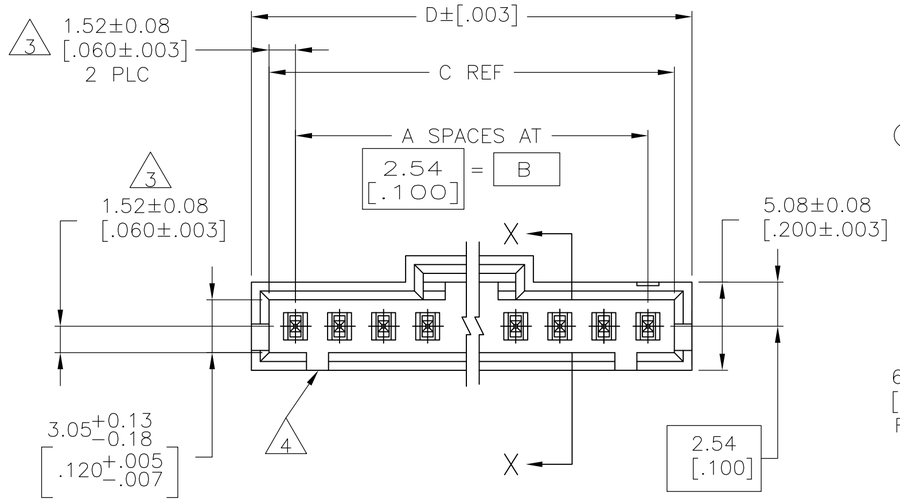
REVISIONS

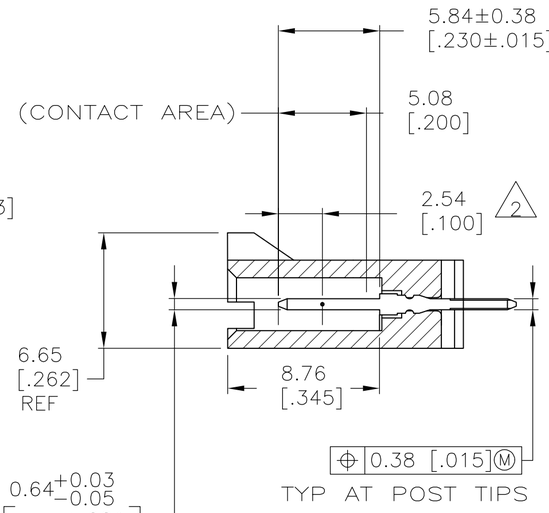
P	LTR	DESCRIPTION	DATE	DWN	APVD
	U2	REVISED PER ECO-11-004587	11MAR11	RK	HMR



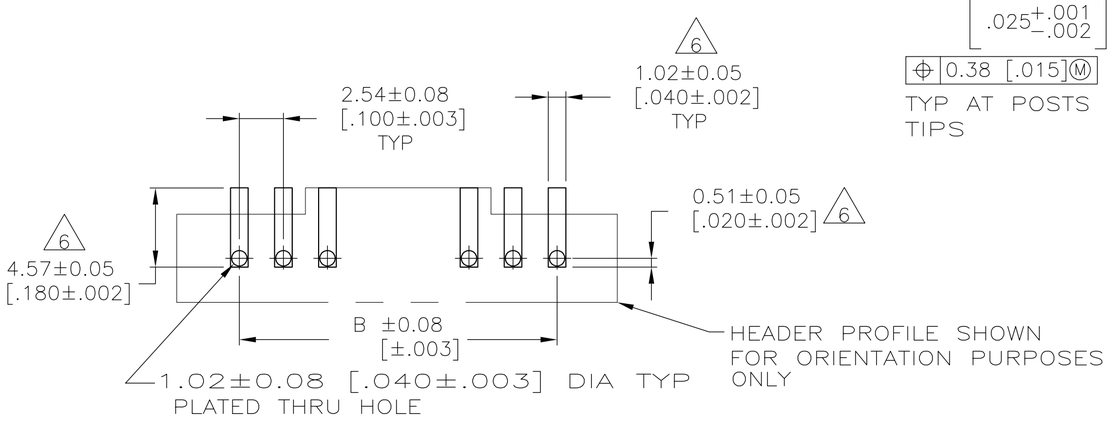
1. 0.000381 [.000015] GOLD IN THE CONTACT AREA, 0.00254–0.00508 [.000100–.000200] MATTE TIN–LEAD ON THE SOLDER TAIL, ALL OVER ALL OVER 0.00127 [.000050] NICKEL.
2. POINT OF MEASUREMENT FOR PLATING THICKNESS
3. THE NOTED DIMENSIONS APPLY FROM THE BASIC DIMENSION LINE (NOT THE POST CENTERLINE) TO THE SURFACE INDICATED
4. ONE POLARIZATION SLOT FOR 2 AND 3 POSITION ASSEMBLIES ONLY.
5. SELECT POST TAILS FORMED TO PROVIDE CONNECTOR HOLD DOWN UNTIL SOLDERED, CONFIGURATION ACCEPTS 0.69–2.03 [.027–.080] THICK PRINTED CIRCUIT BOARD (SEE DETAIL Z).
6. DIMENSIONS NOTED ARE FOR SOLDER STENCIL LAYOUT FOR USE WITH 1.57±0.20 [.062±.008] THICK PRINTED CIRCUIT BOARDS.
7. PARTS ARE PACKAGED IN GANG OF TUBES
8. OBSOLETE PART NO., REFER TO DWG 104909 FOR POS 13 THRU 25.
9. HOUSING: HIGH TEMPERATURE THERMOPLASTIC, COLOR–BLACK.
   POSTS: BRASS.
10. 0.000381 [.000015] GOLD IN THE CONTACT AREA, 0.00254–0.00508 [.000100–.000200] MATTE MATTE TIN ON THE SOLDER TAIL, ALL OVER ALL OVER 0.00127 [.000050] NICKEL.
11. SUPERSEDED

PART NO.	SUPERSEDED BY
1-104362-2	1-104909-2
1-104362-4	1-104909-4
1-104362-7	1-104909-7
2-104362-2	—
2-104362-3	—





SECTION X–X



RECOMMENDED PC BOARD MOUNTING DIMENSIONS
RECOMMENDED STENCIL THICKNESS = 0.25 [.010]

	PLATING	D	C	B	A	NO OF POSN	ASSEMBLY PART NUMBER
10		33.02 [1.300]	30.99 [1.220]	27.94 [1.100]		11	12	6-104362-1
10		30.48 [1.200]	28.45 [1.120]	25.4 [1.000]		10	11	6-104362-0
10		27.94 [1.100]	25.91 [1.020]	22.86 [.900]		9	10	5-104362-9
10		25.4 [1.000]	23.37 [.920]	20.32 [.800]		8	9	5-104362-8
10		22.86 [.900]	20.83 [.820]	17.78 [.700]		7	8	5-104362-7
10		20.32 [.800]	18.29 [.720]	15.24 [.600]		6	7	5-104362-6
10		17.78 [.700]	15.75 [.620]	12.7 [.500]		5	6	5-104362-5
10		15.24 [.600]	13.21 [.520]	10.16 [.400]		4	5	5-104362-4
10		12.7 [.500]	10.67 [.420]	7.62 [.300]		3	4	5-104362-3
10		10.16 [.400]	8.13 [.320]	5.08 [.200]		2	3	5-104362-2
10		7.62 [.300]	5.59 [.220]	2.54 [.100]		1	2	5-104362-1
		66.04 [2.600]	64.01 [2.520]	60.96 [2.400]		24	25	8 2-104362-4
		63.5 [2.500]	61.47 [2.420]	58.42 [2.300]		23	24	11 2-104362-3
		60.96 [2.400]	58.93 [2.320]	55.88 [2.200]		22	23	11 2-104362-2
		58.42 [2.300]	56.39 [2.220]	53.34 [2.100]		21	22	8 2-104362-1
		55.88 [2.200]	53.85 [2.120]	50.8 [2.000]		20	21	8 2-104362-0
		53.34 [2.100]	51.31 [2.020]	48.26 [1.900]		19	20	8 1-104362-9
		50.8 [2.000]	48.77 [1.920]	45.72 [1.800]		18	19	8 1-104362-8
		48.26 [1.900]	46.23 [1.820]	43.18 [1.700]		17	18	11 1-104362-7
		45.72 [1.800]	43.69 [1.720]	40.64 [1.600]		16	17	8 1-104362-6
		43.18 [1.700]	41.15 [1.620]	38.1 [1.500]		15	16	8 1-104362-5
		40.64 [1.600]	38.61 [1.520]	35.56 [1.400]		14	15	11 1-104362-4
		38.1 [1.500]	36.07 [1.420]	33.02 [1.300]		13	14	8 1-104362-3
		35.56 [1.400]	33.53 [1.320]	30.48 [1.200]		12	13	11 1-104362-2
1		33.02 [1.300]	30.99 [1.220]	27.94 [1.100]		11	12	1-104362-1
1		30.48 [1.200]	28.45 [1.120]	25.4 [1.000]		10	11	1-104362-0
1		27.94 [1.100]	25.91 [1.020]	22.86 [.900]		9	10	104362-9
1		25.4 [1.000]	23.37 [.920]	20.32 [.800]		8	9	104362-8
1		22.86 [.900]	20.83 [.820]	17.78 [.700]		7	8	104362-7
1		20.32 [.800]	18.29 [.720]	15.24 [.600]		6	7	104362-6
1		17.78 [.700]	15.75 [.620]	12.7 [.500]		5	6	104362-5
1		15.24 [.600]	13.21 [.520]	10.16 [.400]		4	5	104362-4
1		12.7 [.500]	10.67 [.420]	7.62 [.300]		3	4	104362-3
1		10.16 [.400]	8.13 [.320]	5.08 [.200]		2	3	104362-2
1		7.62 [.300]	5.59 [.220]	2.54 [.100]		1	2	104362-1

104362

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± –
2 PLC ± –
3 PLC ± .005
4 PLC ± –
ANGLES ± –

MATERIAL 9
FINISH SEE TABLE

DWN G DOUTY 2-22-88
CHK T C CLARK 2-22-88
APVD – —
PRODUCT SPEC —
APPLICATION SPEC —
WEIGHT –

TE Connectivity

NAME HEADER ASSY, AMPMODU MTE, VERTICAL SINGLE ROW, .100 C/L, .025 SQ POST POLARIZED, WITH LATCHING & HOLD DOWN

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-104362	—

CUSTOMER DRAWING | SCALE 4:1 | SHEET 1 OF 1 | REV U2