



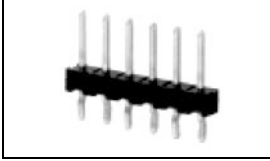
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104344-1 Product Details

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104344-1

TE Internal Number: 104344-1

Active

.100 inch AMPMODU Headers

Not EU RoHS or ELV Compliant ([Find RoHS Compliant Alternates](#))

Product Highlights:

- Connector
- Header Type = Standard
- 3 Positions
- Mating Post Length = 5.84 mm
- Row-to-Row Spacing = 2.54 mm

[View all Features](#)

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Documentation & Additional Information

Product Drawings:

- [HEADER ASSY, MOD II,BREAKAWAY, SINGLE ROW,.100 CL,...](#) (PDF, English)

Catalog Pages/Data Sheets:

- None Available

Product Specifications:

- None Available

Application Specifications:

- None Available

Instruction Sheets:

- None Available

CAD Files: ([CAD Format & Compression Information](#))

- [2D Drawing](#) (DXF, Version F)
- [3D Model](#) (IGES, Version F)
- [3D Model](#) (STEP, Version F)

[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
- Mount Angle = Vertical
- PCB Mount Retention = With
- PCB Mount Retention Type = Retention Solder Tails
- Board Standoff = Without
- Mating Connector Lock = Without
- Post Size (mm [in]) = 0.64 [.025]

Mechanical Attachment:

- Mounting Ears = Without
- Panel Mount Retention = Without

Electrical Characteristics:

- Current Rating (A) = 3
- Insulation Resistance (MΩ) = 5,000
- Dielectric Withstanding Voltage (V) = 750

Termination Features:

- Termination Post Length (mm [in]) = 3.05 [0.120]

Dimensions:

- Mating Post Length (mm [in]) = 5.84 [0.230]

Body Features:

- Header Type = Standard
- Row-to-Row Spacing (mm [in]) = 2.54 [0.100]
- Selectively Loaded = No
- Mount Type = Printed Circuit Board

Contact Features:

- Contact Plating, Mating Area, Material = Gold (30)
- Solder Tail Contact Plating = Tin-Lead over Nickel
- Contact Shape = Square
- Contact Base Material = Phosphor Bronze

Housing Features:

- Housing Material = Thermoplastic - GF

Configuration Features:

- Number of Positions = 3
- Number of Rows = 1
- Surface Mount Compatible = No

Industry Standards:

- RoHS/ELV Compliance = Not ELV/RoHS compliant
- Lead Free Solder Processes = Wave solder capable to 240°C
- UL Flammability Rating = UL 94V-0
- Approved Standards = UL E28476, CSA LR7189

Environmental:

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

Conditions for Usage:

- High Temperature Housing = No

Operation/Application:

- High Speed Serial Data Connector = No

Other:

- Brand = AMP
- Comment = Refer to the customer drawing to determine the number and location of the board retention tails. Other tail lengths are available, consult AMP Incorporated.

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Customer Support

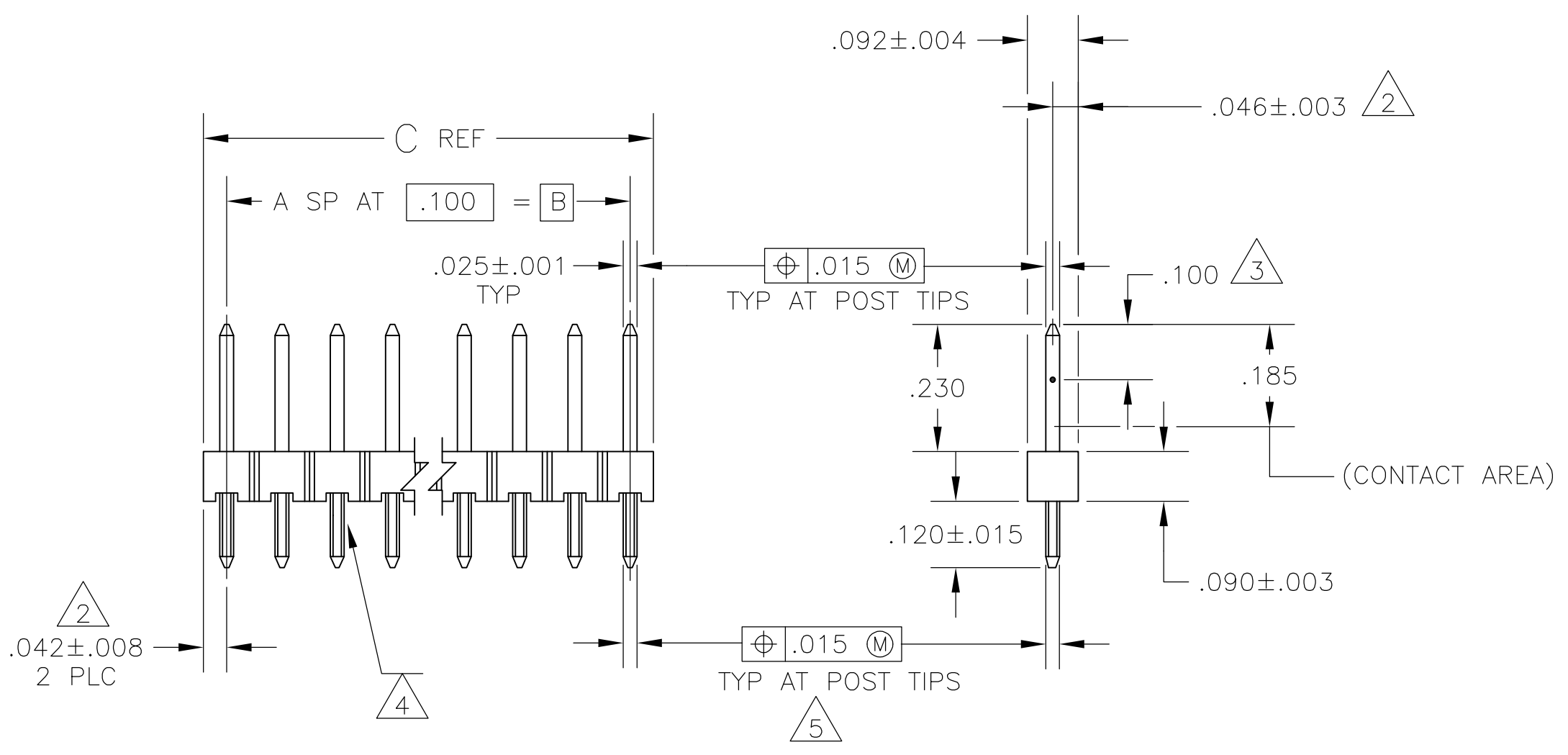
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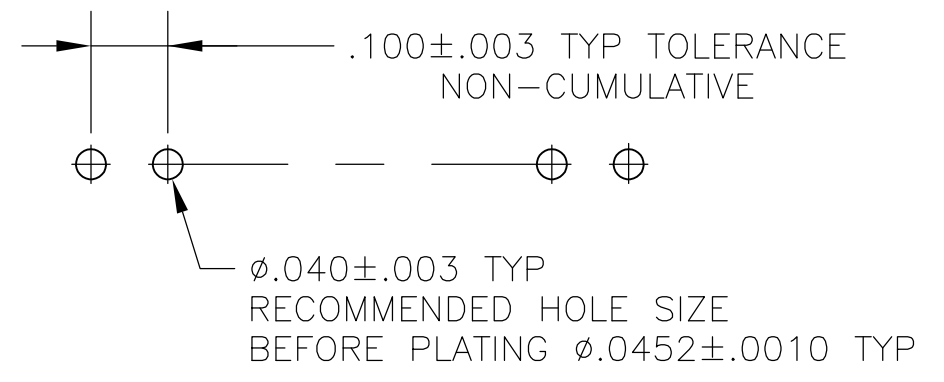


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LOC		DIST		REVISIONS			
P	LTR	DESCRIPTION		DATE	DWN	APVD	
	J2	REVISED PER ECO-11-004917		11MAR11	RK	HMR	



- TRUE POSITION TOLERANCE OF THE POST TIPS APPLIES WHEN THE HEADERS ARE HELD FLAT AGAINST THE PRINTED CIRCUIT BOARD.
- THE NOTED DIMENSIONS APPLY AT THE INTERSECTION OF THE POST AND THE HOUSING.
- POINT OF MEASUREMENT FOR PLATING THICKNESS.
- RETENTION FEATURES ON SOLDER TAILS, LOCATED AT MANUFACTURERS OPTION.
- $\text{M} \text{ } \phi .020 \text{ } \text{M}$ FOR KINKED TAILS.
- OBsolete PARTS: OBsolete CIS STREAMLINING PER D.RENAUD/D.SINISI



RECOMMENDED HOLE LAYOUT

	C	B	A	NO OF POSN	ASSEMBLY PART NUMBER
	3.984	3.900	39	40	2-104344-7
	3.484	3.400	34	35	2-104344-6
	2.984	2.900	29	30	2-104344-5
	2.584	2.500	25	26	2-104344-4
	2.484	2.400	24	25	2-104344-3
	2.384	2.300	23	24	2-104344-2
	2.284	2.200	22	23	2-104344-1
	2.184	2.100	21	22	2-104344-0
	2.084	2.000	20	21	1-104344-9
	1.984	1.900	19	20	1-104344-8
	1.884	1.800	18	19	1-104344-7
	1.784	1.700	17	18	1-104344-6
	1.684	1.600	16	17	1-104344-5
	1.584	1.500	15	16	1-104344-4
	1.484	1.400	14	15	1-104344-3
	1.384	1.300	13	14	1-104344-2
	1.284	1.200	12	13	1-104344-1
	1.184	1.100	11	12	1-104344-0
	1.084	1.000	10	11	1-104344-9
	.984	.900	9	10	104344-8
	.884	.800	8	9	104344-7
	.784	.700	7	8	104344-6
	.684	.600	6	7	104344-5
	.584	.500	5	6	104344-4
	.484	.400	4	5	104344-3
	.384	.300	3	4	104344-2
	.284	.200	2	3	104344-1
	C	B	A	NO OF POSN	ASSEMBLY PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN H MOLL 08FEB88
 CHK R. FEIDT 08FEB88
 APVD R. FEIDT 08FEB88

TE Connectivity

NAME: HEADER ASSY, MOD II, BREAKAWAY, SINGLE ROW, .100 CL, VERT, .025 SQ POSTS, WITH RETENTION FEATURE

SIZE: A2 CAGE CODE: 00779 DRAWING NO: 104344

RESTRICTED TO: -

SCALE: 4:1 SHEET: 1 of 1 REV: J2

CUSTOMER DRAWING

MATERIAL: HOUSING: FLAME RETARDANT THERMOPLASTIC COLOR: BLACK
 FINISH: POSTS: .000030 GOLD IN CONTACT AREA, .000100-.000200 MATTE TIN-LEAD ON SOLDER TAIL, ALL OVER .000050 NICKEL

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