

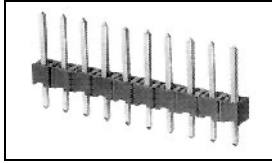


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103185-1 Product Details

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103185-1

TE Internal Number: 103185-1



.100 inch AMPMODU Headers

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

Product Highlights:

- Connector
- Header Type = Breakaway
- 1 Positions
- Mating Post Length = 5.84 mm
- Row-to-Row Spacing = 2.54 mm

[View all Features](#)

Quick Links

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Documentation & Additional Information

Product Drawings:

- [HEADER ASSY, MOD II, BREAKAWAY, SINGLE ROW, .100CL, ...](#) (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 G)
- [3D Model](#) (IGES, Version G)
- [3D Model](#) (STEP, Version G)

[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](#) = Without
- [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](#) = Breakaway
- Row-to-Row Spacing (mm [in]) = 2.54 [0.100]
- [Selectively Loaded](#) = No
- [Mount Type](#) = Printed Circuit Board

Housing Features:

- Housing Material = Thermoplastic - GF

Configuration Features:

- [Number of Positions](#) = 1
- [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 = Headers may be broken to desired number of positions using Hand Tool No. 91406-1, or Tool Kit No. 314818-1. Other tail lengths are available, consult Tyco Electronics.

Contact Features:

- [Contact Plating](#), [Mating Area](#), [Material](#) = Gold (15)
- Solder Tail Contact Plating = Tin-Lead over Nickel
- Contact Shape = Square
- Contact Base Material = Phosphor Bronze

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- [AODA Multi-Year Accessibility Plan](#)

Quick Links

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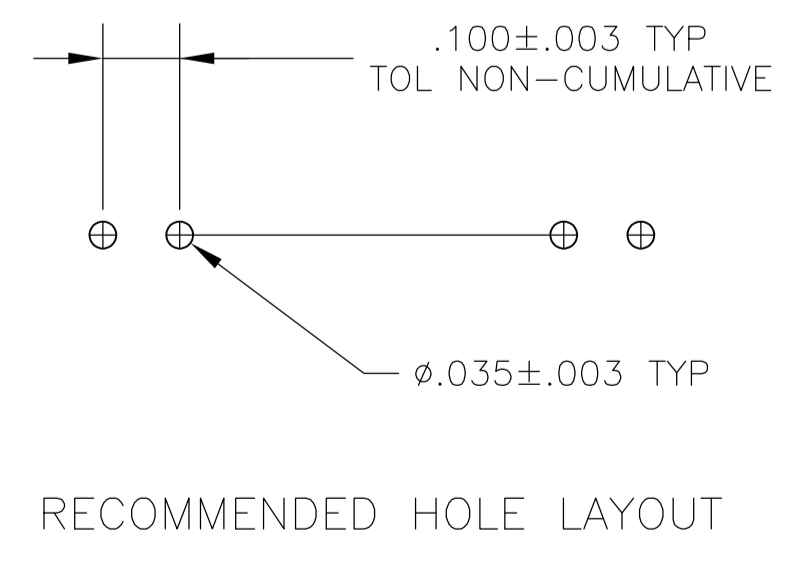
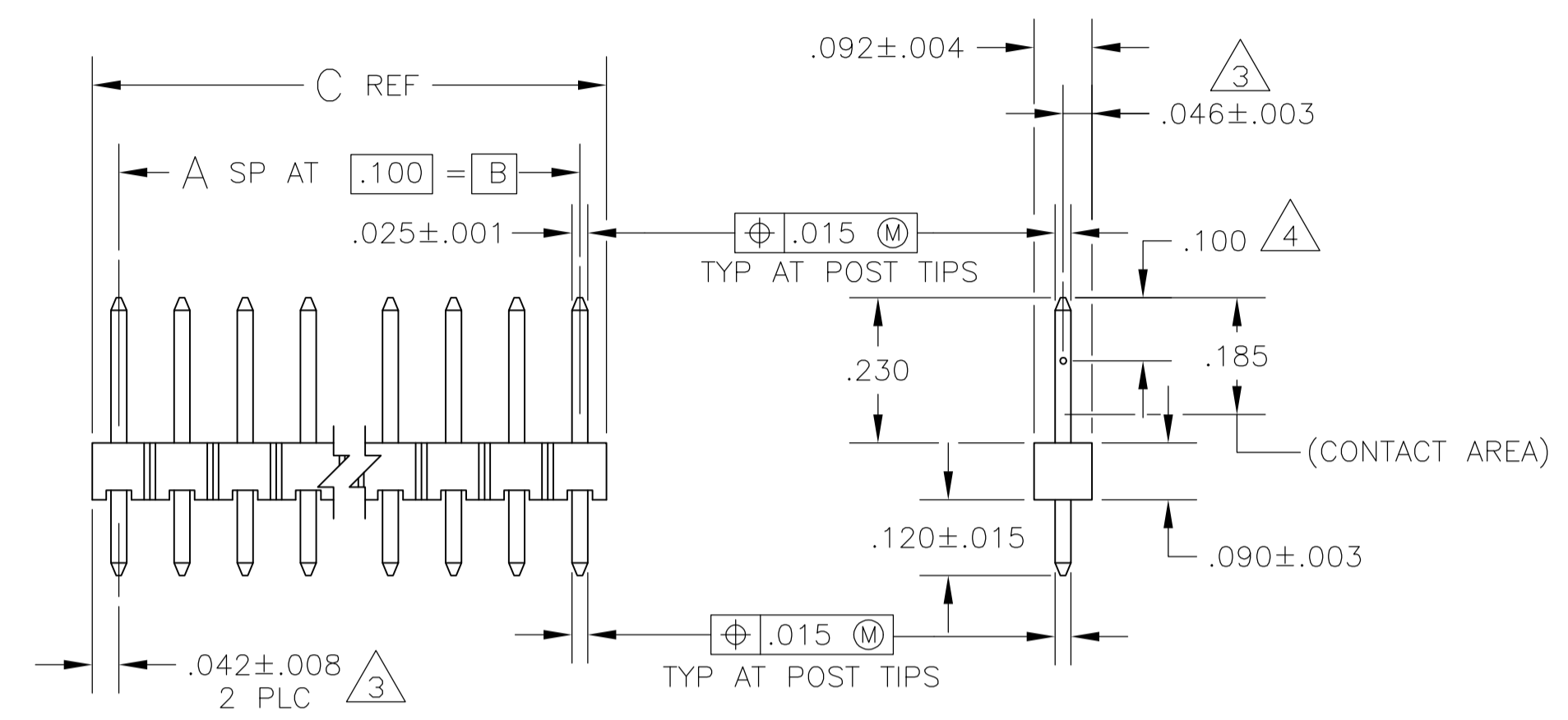
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Keep Me Informed



- ASSEMBLY MAY BE BROKEN TO THE DESIRED NUMBER OF POSITIONS
- 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 HOUSING
- POINT OF MEASUREMENT FOR PLATING THICKNESS
- OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI



	3.984	3.900	39	40	4-103185-0
5 OBSOLETE	3.884	3.800	38	39	3-103185-9
	3.784	3.700	37	38	3-103185-8
5 OBSOLETE	3.684	3.600	36	37	3-103185-7
	3.584	3.500	35	36	3-103185-6
5 OBSOLETE	3.484	3.400	34	35	3-103185-5
	3.384	3.300	33	34	3-103185-4
5 OBSOLETE	3.284	3.200	32	33	3-103185-3
	3.184	3.100	31	32	3-103185-2
5 OBSOLETE	3.084	3.000	30	31	3-103185-1
	2.984	2.900	29	30	3-103185-0
5 OBSOLETE	2.884	2.800	28	29	2-103185-9
	2.784	2.700	27	28	2-103185-8
5 OBSOLETE	2.684	2.600	26	27	2-103185-7
	2.584	2.500	25	26	2-103185-6
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	2.384	2.300	23	24	2-103185-4
5 OBSOLETE	2.284	2.200	22	23	2-103185-3
	2.184	2.100	21	22	2-103185-2
5 OBSOLETE	2.084	2.000	20	21	2-103185-1
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	1.784	1.700	17	18	1-103185-8
5 SUPERCEDED BY 6-146280-5	1.684	1.600	16	17	1-103185-7
	1.584	1.500	15	16	1-103185-6
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	1.384	1.300	13	14	1-103185-4
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	1.184	1.100	11	12	1-103185-2
5 SUPERCEDED BY 6-146280-0	1.084	1.000	10	11	1-103185-1
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	.784	.700	7	8	103185-8
5 OBSOLETE	.684	.600	6	7	103185-7
	.584	.500	5	6	103185-6
5 OBSOLETE	.484	.400	4	5	103185-5
	.384	.300	3	4	103185-4
5 OBSOLETE	.284	.200	2	3	103185-3
	.184	.100	1	2	103185-2
5 OBSOLETE	.084	—	—	1	103185-1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DIN H MOLL 13OCT87	STE TE Connectivity	
DIMENSIONS: INCHES		CHK T. CLARK 20OCT87		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD T. CLARK 20OCT87	NAME	
0 PLC ± -		PRODUCT SPEC		
1 PLC ± -		APPLICATION SPEC		
2 PLC ± -		SIZE		
3 PLC ± .005		CAGE CODE		
4 PLC ± -		DRAWING NO		
ANGLES ± -		RESTRICTED TO		
MATERIAL: HOUSING: FLAME RETARDANT THERMOPLASTIC; COLOR: BLACK		WEIGHT: —		A1 00779 ©=103185
FINISH: POSTS: .00015 GOLD ON CONTACT AREA, .00100-.00200 MATTE TIN-LEAD ON SOLDER TAIL, ALL OVER .00050 NICKEL		CUSTOMER DRAWING		SCALE 4:1 SHEET 1 OF 1 REV G2