

## 4-103240-0 Product Details

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4-103240-0

TE Internal Number: 4-103240-0

Active

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### .100 inch AMPMODU Headers

Not EU RoHS or ELV Compliant (Find RoHS Compliant Alternates)

#### Product Highlights:

- Connector
- Header Type = Breakaway
- 80 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, DOUBLE ROW, .100X.10...](#) (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:

#### Housing Features:

- Housing Material = Thermoplastic - GF

#### Configuration Features:

- Number of Positions = 80
- Number of Rows = 2
- 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

- 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

**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

**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.

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**Quick Links**

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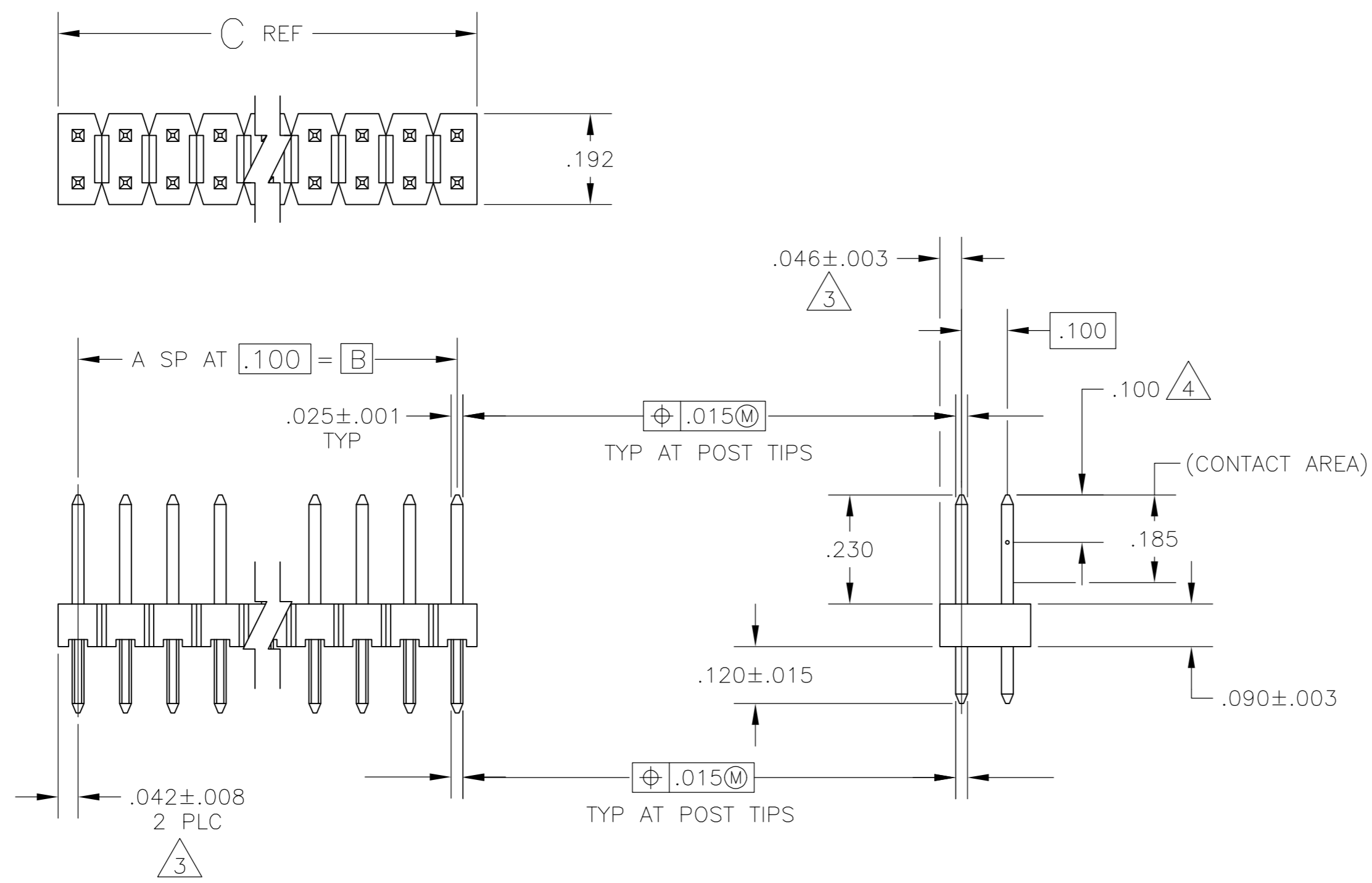
**Keep Me Informed**



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LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
	G2	REVISED PER ECO-11-004587	11MAR11	RK	HMR

- ASSEMBLY MAY BE BROKEN TO THE DESIRED NUMBER OF POSITIONS
- TRUE POSITION TOLERANCE OF THE POST TIPS APPLIES WHEN THE HEADER IS 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



	C	B	A	NO OF POSN	PART NUMBER
△ 5	3.984	3.900	39	80	4-103240-0
△ 5	3.884	3.800	38	78	3-103240-9
△ 5	3.784	3.700	37	76	3-103240-8
△ 5	3.684	3.600	36	74	3-103240-7
△ 5	3.584	3.500	35	72	3-103240-6
△ 5	3.484	3.400	34	70	3-103240-5
△ 5	3.384	3.300	33	68	3-103240-4
△ 5	3.284	3.200	32	66	3-103240-3
△ 5	3.184	3.100	31	64	3-103240-2
△ 5	3.084	3.000	30	62	3-103240-1
△ 5	2.984	2.900	29	60	3-103240-0
△ 5	2.884	2.800	28	58	2-103240-9
△ 5	2.784	2.700	27	56	2-103240-8
△ 5	2.684	2.600	26	54	2-103240-7
△ 5	2.584	2.500	25	52	2-103240-6
△ 5	2.484	2.400	24	50	2-103240-5
△ 5	2.384	2.300	23	48	2-103240-4
△ 5	2.284	2.200	22	46	2-103240-3
△ 5	2.184	2.100	21	44	2-103240-2
△ 5	2.084	2.000	20	42	2-103240-1
△ 5	1.984	1.900	19	40	2-103240-0
△ 5	1.884	1.800	18	38	1-103240-9
△ 5	1.784	1.700	17	36	1-103240-8
△ 5	1.684	1.600	16	34	1-103240-7
△ 5	1.584	1.500	15	32	1-103240-6
△ 5	1.484	1.400	14	30	1-103240-5
△ 5	1.384	1.300	13	28	1-103240-4
△ 5	1.284	1.200	12	26	1-103240-3
△ 5	1.184	1.100	11	24	1-103240-2
△ 5	1.084	1.000	10	22	1-103240-1
△ 5	.984	.900	9	20	1-103240-0
△ 5	.884	.800	8	18	103240-9
△ 5	.784	.700	7	16	103240-8
△ 5	.684	.600	6	14	103240-7
△ 5	.584	.500	5	12	103240-6
△ 5	.484	.400	4	10	103240-5
△ 5	.384	.300	3	8	103240-4
△ 5	.284	.200	2	6	103240-3
△ 5	.184	.100	1	4	103240-2
△ 5	.084	—	—	2	103240-1

RECOMMENDED HOLE LAYOUT

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN H MOLL 13OCT87	TE Connectivity	
DIMENSIONS: INCHES		CHK T. CLARK 20OCT87		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD T. CLARK 20OCT87	NAME	
0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± .005 4 PLC ± - ANGLES ± -		PRODUCT SPEC	HEADER ASSY, MOD II, BREAKAWAY, DOUBLE ROW, .100X.100Q, VERTICAL, WITH .025 SQ POSTS	
MATERIAL : HOUSING: FLAME RETARDANT THERMOPLASTIC; COLOR-BLACK; POST: PHOSPHOR BRONZE		APPLICATION SPEC	SIZE	RESTRICTED TO
FINISH : POST: .00030 GOLD ON CONTACT AREA; .00100-.00200 MATTE TIN-LEAD ON SOLDER TAIL ALL OVER .00050 NICKEL		WEIGHT	CAGE CODE	DRAWING NO
		CUSTOMER DRAWING	A2 00779	SCALE 4:1 SHEET 1 OF 1 REV G2