TE connectivity

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103328-1 Product Details

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103328-1

TE Internal Number: 103328-1

✔ Active

📄View 3D PDF

.100 inch AMPMODU Headers

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

Product Highlights:
- Connector
- Header Type = Breakaway
- 2 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:
- ASSEMBLY, HEADER, BREAKAWAY, MOD II, DOUBLE ROW, .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 P)
- 3D Model (IGES, Version P)
- 3D Model (STEP, Version P)

Additional Information:
- Product Line Information

Related Products:
- Tooling

List all Documents

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 = 2
- 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

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 = Tin-Lead
- Solder Tail Contact Plating = Tin-Lead over Nickel
- Contact Shape = Square
- Contact Base Material = Phosphor Bronze

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AODA Accessibility Policy

AODA Multi-Year Accessibility Plan

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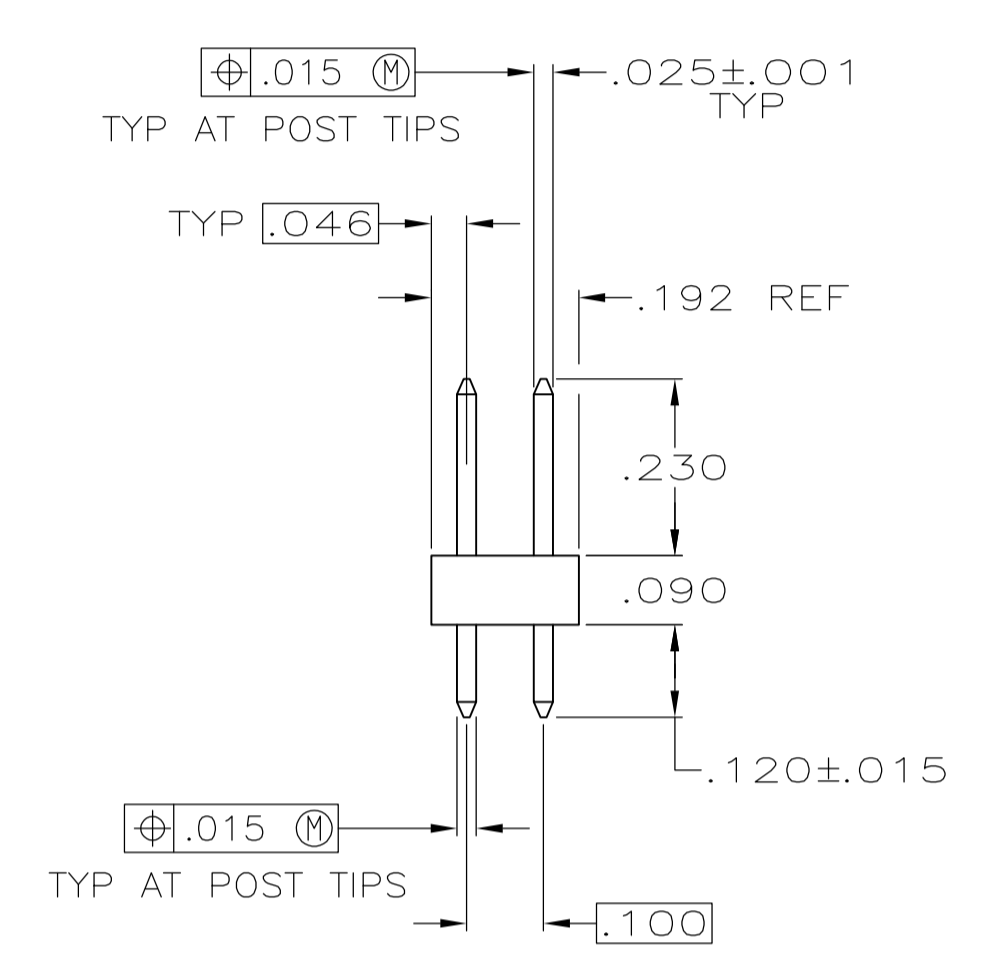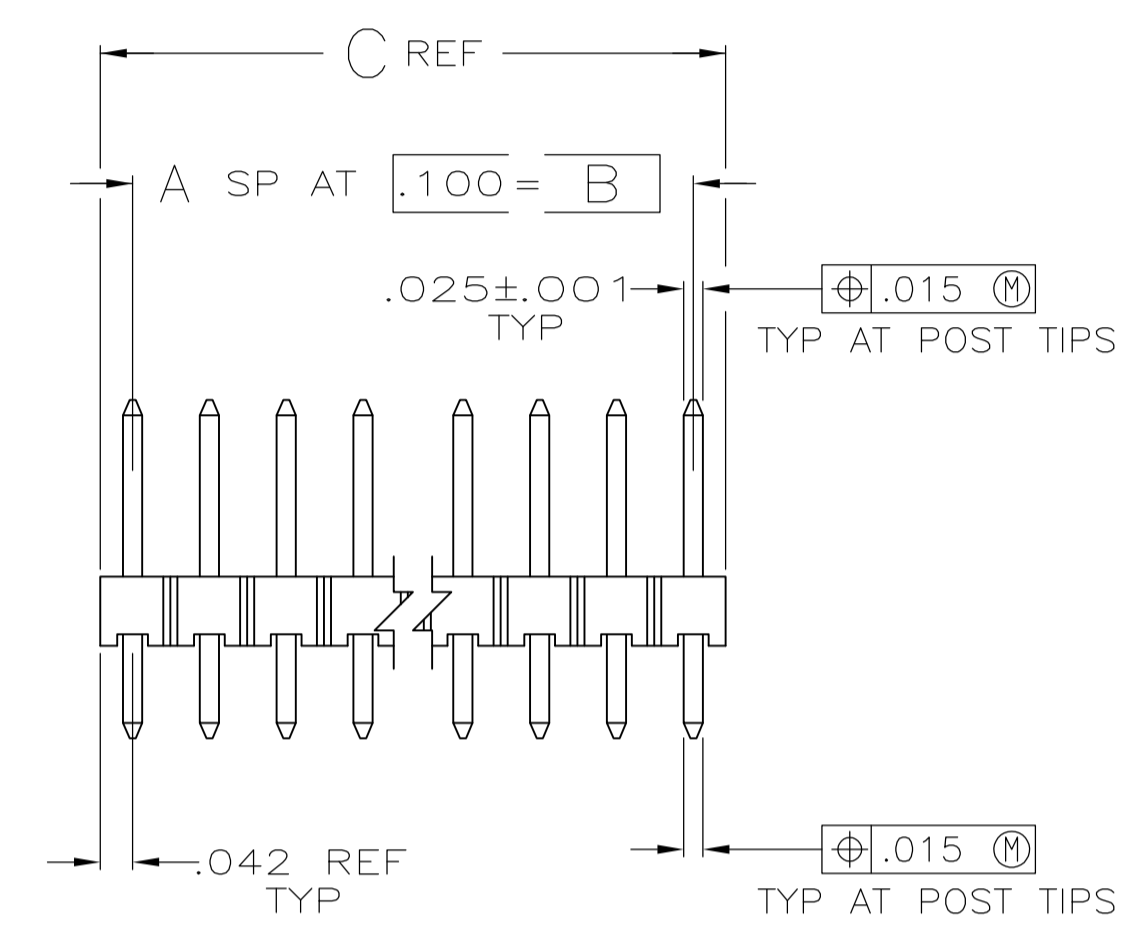
Distributor Inventory

Product Cross Reference

Documents & Drawings

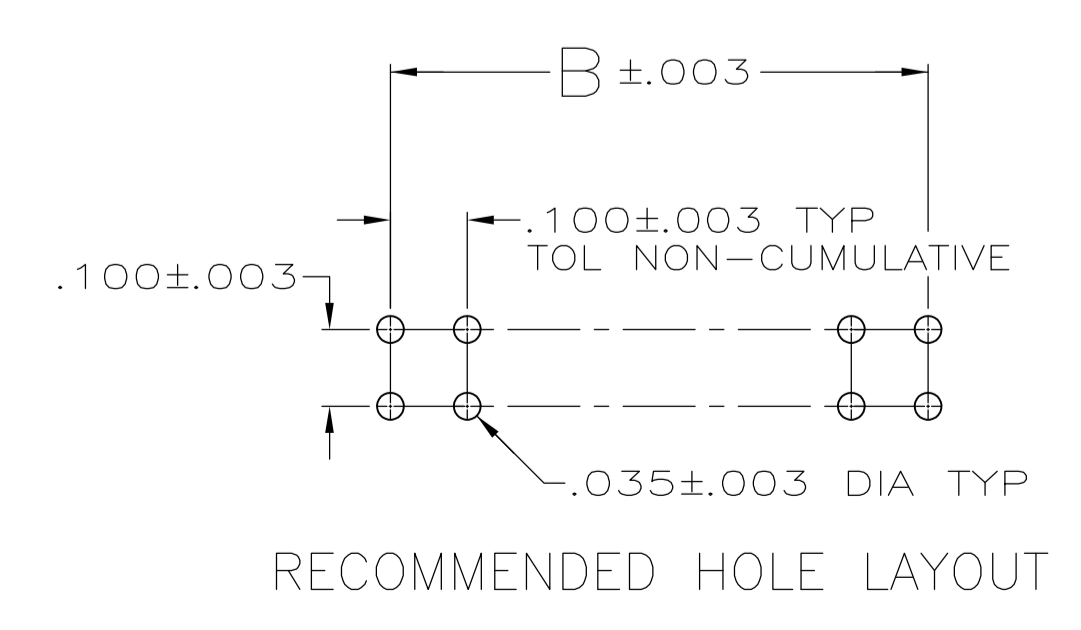Product Compliance Support Center

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LOC	DIST	REVISIONS				
AD	39					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
		P3	REVISED PER ECO-13-018582	26NOV2013	KH	MM

C REF

A SP AT .100 = B

.025±.001
TYP

⊕ .015 Ⓜ
TYP AT POST TIPS

⊕ .015 Ⓜ
TYP AT POST TIPS

.042 REF
TYP

⊕ .015 Ⓜ
TYP AT POST TIPS

⊕ .015 Ⓜ
TYP AT POST TIPS

.025±.001
TYP

TYP .046

.192 REF

.230

.090

.120±.015

.100

1   TRUE POSITION TOLERANCE OF THE POST TIPS APPLIES WHEN THE HEADERS ARE HELD
FLAT AGAINST THE PRINTED CIRCUIT BOARD.

2   ASSEMBLY MAY BE BROKEN TO THE DESIRED NUMBER OF POSITIONS.

⚠3   .000100-.000200 MATTE TIN-LEAD OVER .000050 NICKEL.

⚠4   .000100-.000200 BRIGHT TIN OVER .000050 NICKEL.

⚠5   PRELIMINARY PART - NOT RELEASED FOR PRODUCTION.

⚠6   HOUSING MATERIAL: FLAME RETARDANT THERMOPLASTIC; COLOR-BLACK.

⚠7   OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

B ±.003

.100±.003 TYP
TOL NON-CUMULATIVE

.100±.003

.035±.003 DIA TYP

RECOMMENDED HOLE LAYOUT

PLATING		C	B	A	NO OF POSN	PART NUMBER
⚠5	⚠4	1.684	1.600	16	34	4-103328-9
⚠5	⚠4	1.284	1.200	12	26	4-103328-8
	⚠4	.884	.800	8	18	4-103328-7
⚠7 OBSOLETE	⚠4	.584	.500	5	12	4-103328-6
⚠5	⚠4	3.984	3.900	39	80	4-103328-5
	⚠4	.984	.900	9	20	4-103328-4
	⚠4	.684	.600	6	14	4-103328-3
	⚠4	.284	.200	2	6	4-103328-2
	⚠4	.084	—	—	2	4-103328-1
	⚠3	3.984	3.900	39	80	4-103328-0
⚠7 OBSOLETE	⚠3	3.884	3.800	38	78	3-103328-9
⚠7 OBSOLETE	⚠3	3.784	3.700	37	76	3-103328-8
⚠7 OBSOLETE	⚠3	3.684	3.600	36	74	3-103328-7
⚠7 OBSOLETE	⚠3	3.584	3.500	35	72	3-103328-6
⚠7 OBSOLETE	⚠3	3.484	3.400	34	70	3-103328-5
⚠7 OBSOLETE	⚠3	3.384	3.300	33	68	3-103328-4
⚠7 OBSOLETE	⚠3	3.284	3.200	32	66	3-103328-3
⚠7 OBSOLETE	⚠3	3.184	3.100	31	64	3-103328-2
⚠7 OBSOLETE	⚠3	3.084	3.000	30	62	3-103328-1
⚠7 OBSOLETE	⚠3	2.984	2.900	29	60	3-103328-0
⚠7 OBSOLETE	⚠3	2.884	2.800	28	58	2-103328-9
⚠7 OBSOLETE	⚠3	2.784	2.700	27	56	2-103328-8
⚠7 OBSOLETE	⚠3	2.684	2.600	26	54	2-103328-7
⚠7 OBSOLETE	⚠3	2.584	2.500	25	52	2-103328-6
	⚠3	2.484	2.400	24	50	2-103328-5
⚠7 OBSOLETE	⚠3	2.384	2.300	23	48	2-103328-4
⚠7 OBSOLETE	⚠3	2.284	2.200	22	46	2-103328-3
⚠7 OBSOLETE	⚠3	2.184	2.100	21	44	2-103328-2
⚠7 OBSOLETE	⚠3	2.084	2.000	20	42	2-103328-1
	⚠3	1.984	1.900	19	40	2-103328-0
⚠7 OBSOLETE	⚠3	1.884	1.800	18	38	1-103328-9
⚠7 OBSOLETE	⚠3	1.784	1.700	17	36	1-103328-8
	⚠3	1.684	1.600	16	34	1-103328-7
	⚠3	1.584	1.500	15	32	1-103328-6
⚠7 OBSOLETE	⚠3	1.484	1.400	14	30	1-103328-5
	⚠3	1.384	1.300	13	28	1-103328-4
	⚠3	1.284	1.200	12	26	1-103328-3
	⚠3	1.184	1.100	11	24	1-103328-2
⚠7 SUPERSEDED BY 6-146254-1	⚠3	1.084	1.000	10	22	1-103328-1
	⚠3	.984	.900	9	20	1-103328-0
	⚠3	.884	.800	8	18	103328-9
	⚠3	.784	.700	7	16	103328-8
	⚠3	.684	.600	6	14	103328-7
	⚠3	.584	.500	5	12	103328-6
	⚠3	.484	.400	4	10	103328-5
	⚠3	.384	.300	3	8	103328-4
	⚠3	.284	.200	2	6	103328-3
	⚠3	.184	.100	1	4	103328-2
	⚠3	.084	—	—	2	103328-1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN	J.MARTINELLI	10/15/92
CHK	JOHN KNITTLE	23NOV92
APVD	B. FLINCHBAUGH	23NOV92

≡TE
TE Connectivity

NAME   ASSEMBLY, HEADER, BREAKAWAY, MOD II,
DOUBLE ROW, .100 X .100 C/L, VERTICAL,
WITH .025 SQUARE POSTS

DIMENSIONS:
INCHES

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

PRODUCT SPEC
—

APPLICATION SPEC
—

MATERIAL   PHOSPHOR BRONZE
⚠6

FINISH   SEE TABLE

WEIGHT   —

| SIZE | CAGE CODE | DRAWING NO |
| A1 | 00779 | Ⓒ-103328 |

RESTRICTED TO   —

CUSTOMER DRAWING

SCALE 4:1   SHEET 1 OF 1   REV P3