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103328-7 Product Details

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103328-7

TE Internal Number: 103328-7

✔ 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
- 14 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
- UL Flammability Rating = UL 94V-0

Configuration Features:
- Number of Positions = 14
- 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
- Approved Standards = CSA LR7189, UL E28476

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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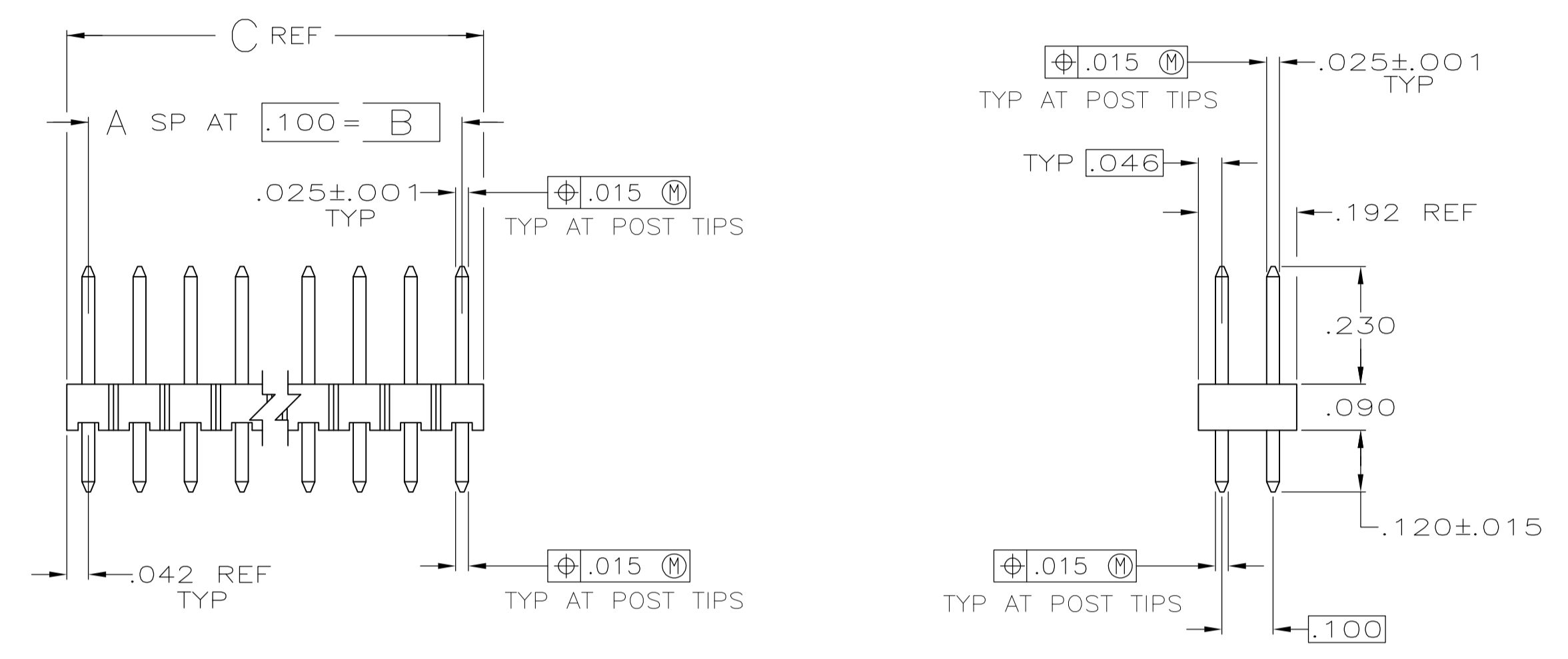
Distributor Inventory

Product Cross Reference

Documents & Drawings

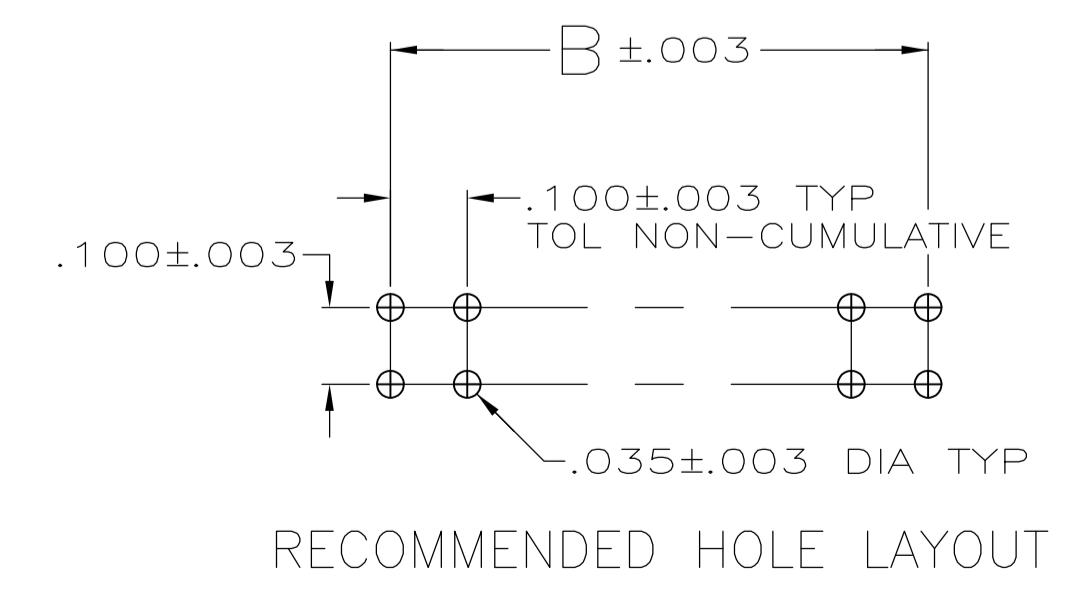Product Compliance Support Center

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| 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |

LOC AD   DIST 39

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	P2	REVISED PER ECO-11-004587	11MAR11	RK	HMR

C REF

A SP AT .100 = B

.025±.001 TYP

⊕ .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

⊕ .015 Ⓜ
TYP AT POST TIPS

.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

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

PLATING

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

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

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

PRODUCT SPEC —
APPLICATION SPEC —

MATERIAL: PHOSPHOR BRONZE
FINISH: SEE TABLE
WEIGHT —

TE TE Connectivity

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

| SIZE A1 | CAGE CODE 00779 | DRAWING NO C-103328 | RESTRICTED TO — |

CUSTOMER DRAWING

SCALE 4:1   SHEET 1 OF 1   REV P2

4805 (3/11)