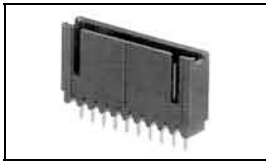


5-103414-2 Product Details

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5-103414-2

TE Internal Number: 5-103414-2

 Active

[View 3D PDF](#)

.100 inch AMPMODU Headers

 Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- Connector
- Header Type = Shrouded
- 4 Positions
- Mating Post Length = 6.10 mm
- Row-to-Row Spacing = 2.54 mm

[View all Features](#)

Quick Links

- ▶ [Pricing & Availability](#)
- ▶ [Search for Tooling](#)
- ▶ [View Mating Products \(1\)](#)
- ▶ [Product Feature Selector](#)
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Documentation & Additional Information

Product Drawings:

- [ASSEMBLY, MOD II, HEADER, SINGLE ROW .100 C/L, \(4\) S...](#) (PDF, English)

Catalog Pages/Data Sheets:

- [AMPMODU_INTERCONNECTION_SYSTEM_SECTIONS5](#) (PDF, English)

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)

[List all Documents](#)

Additional Information:

- [Product Line Information](#)

Related Products:

- [Tooling](#)
- [Mating Products \(1\)](#)

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 = With
- Mating Connector Lock = Without
- Post Size (mm [in]) = 0.64 [0.25]
- Profile = Standard

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]) = 3.30 [0.130]

Dimensions:

- Mating Post Length (mm [in]) = 6.10 [0.240]

Body Features:

- Header Type = Shrouded
- 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 over Nickel
- Contact Shape = Square
- Contact Base Material = Phosphor Bronze

Housing Features:

- Housing Material = Thermoplastic - GF
- Housing Style = 4-Sided
- UL Flammability Rating = UL 94V-0

Configuration Features:

- Number of Positions = 4
- Number of Rows = 1
- Surface Mount Compatible = No

Industry Standards:

- RoHS/ELV Compliance = RoHS compliant, ELV compliant
- Lead Free Solder Processes = Wave solder capable to 240°C
- RoHS/ELV Compliance History = Always was RoHS compliant
- Approved Standards = CSA LR7189, UL E28476

Environmental:

- Operating Temperature (°C) = -55 - +105

Conditions for Usage:

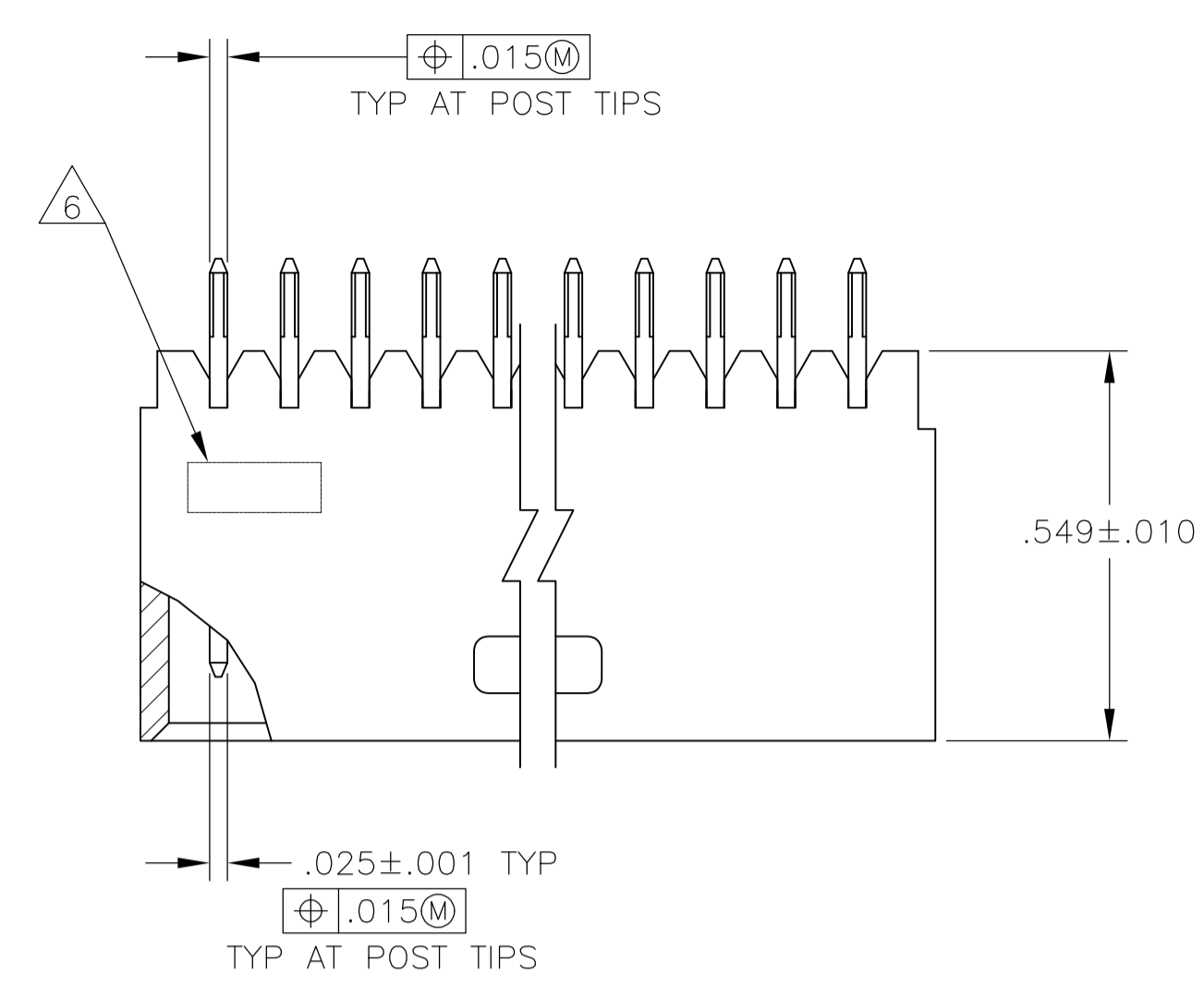
- High Temperature Housing = No

Operation/Application:

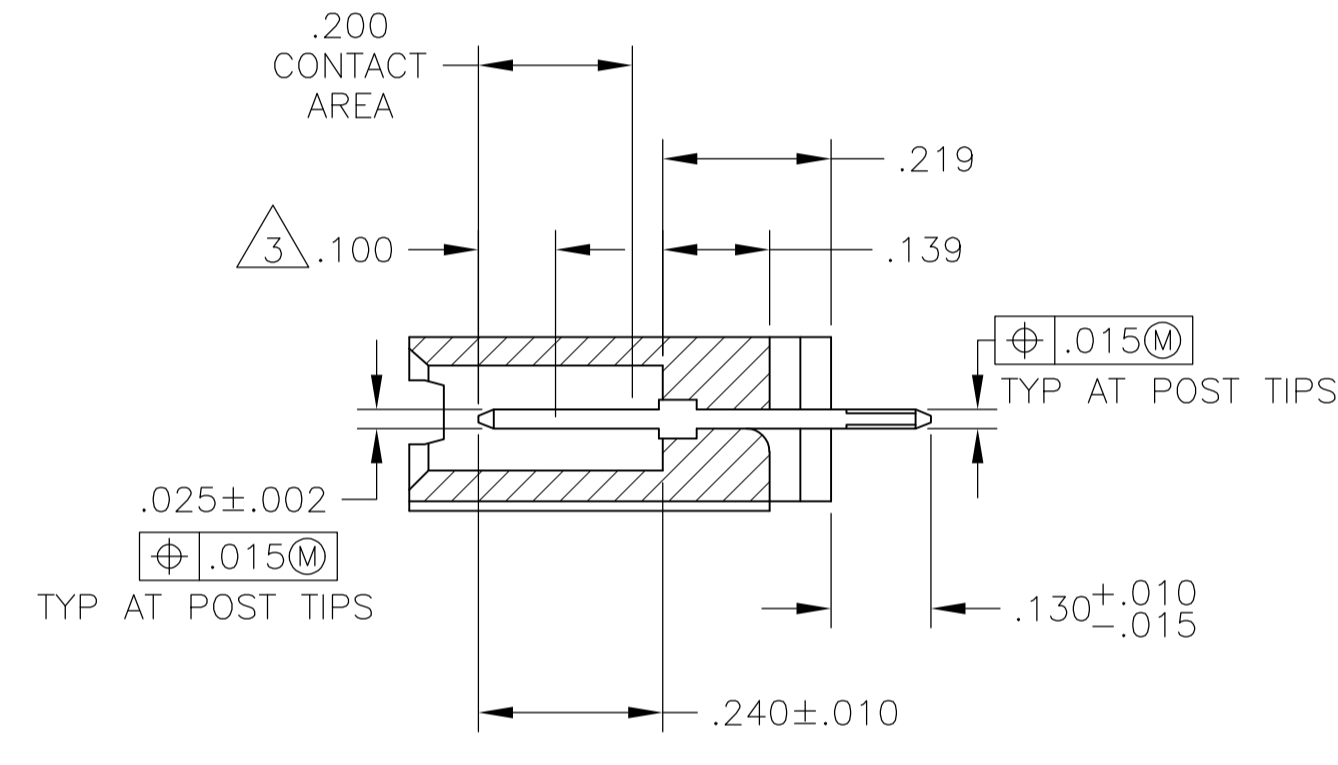
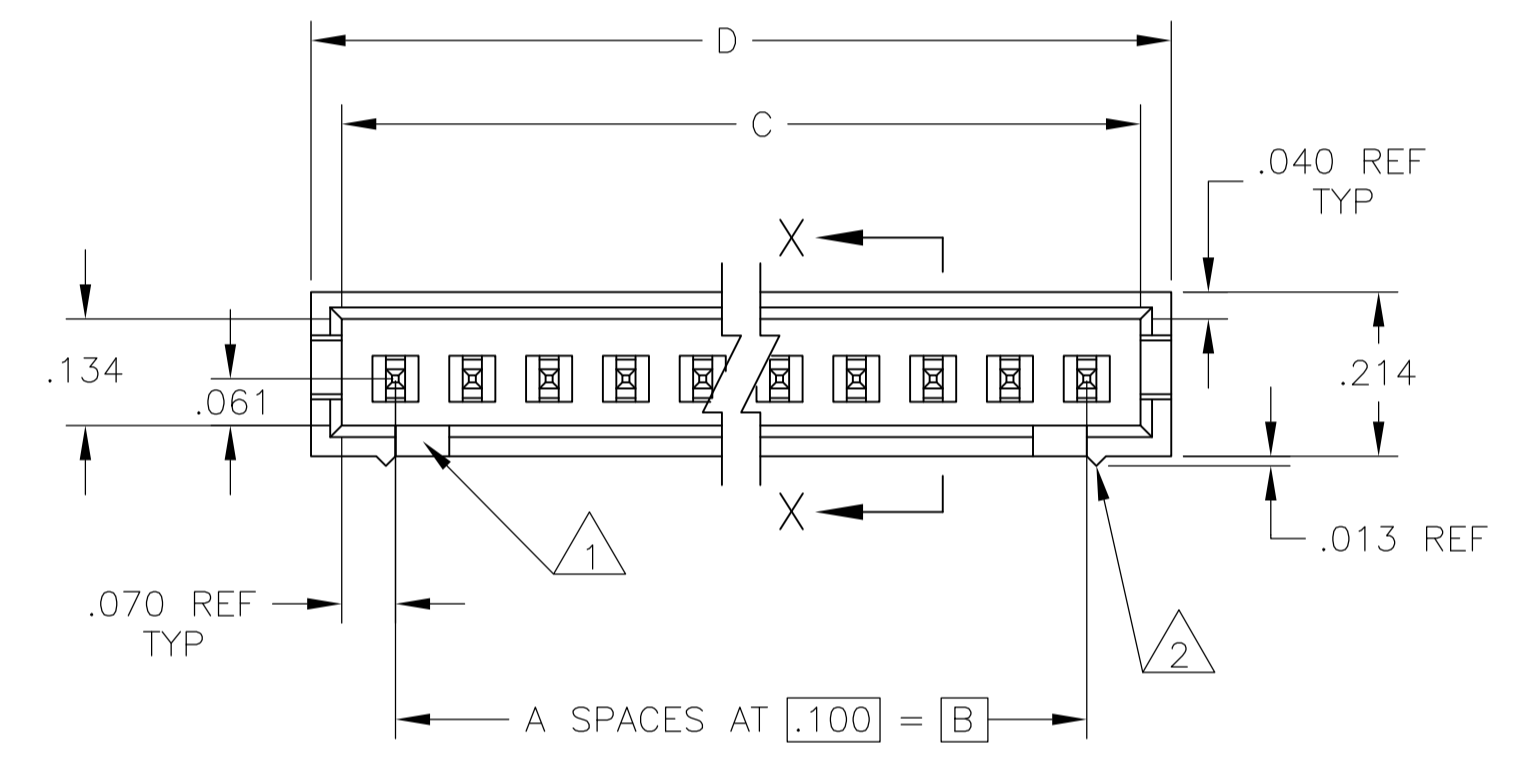
- High Speed Serial Data Connector = Yes

Other:

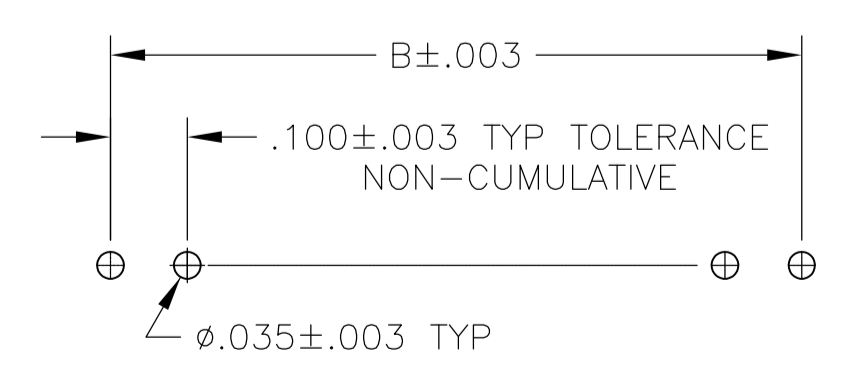
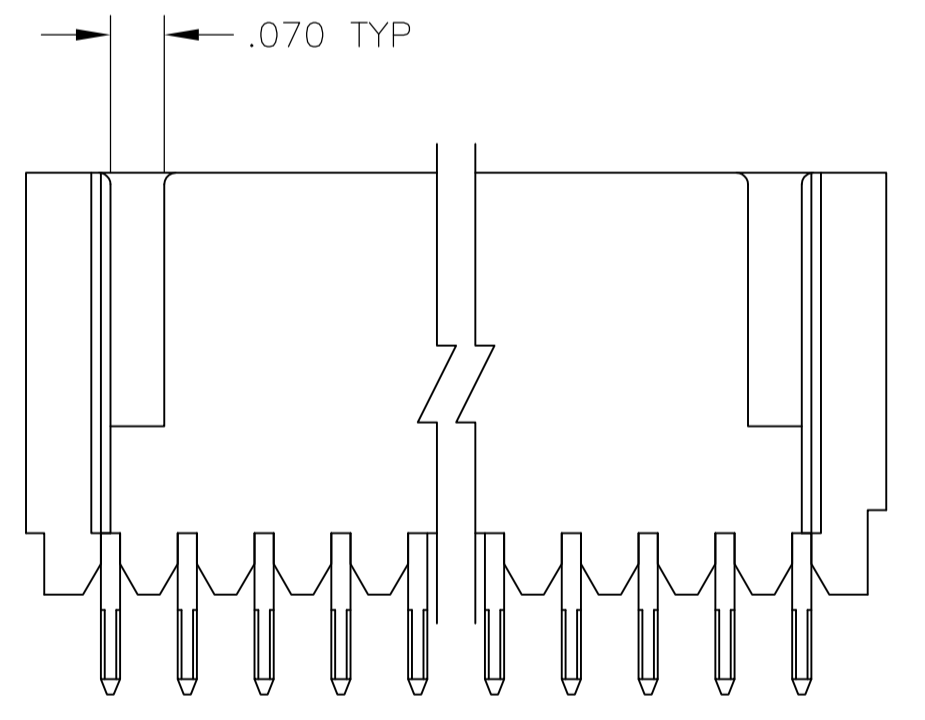
- Brand = TE Connectivity



- 1 FOR 3 POSITION ONLY (.215 WIDE).
- 2 STANDOFFS: UP TO 9 POS-(2 REQD) ON THE OUTSIDE ENDS OF THE HOUSING 10 TO 19 POS-(3 REQD) TWO ON THE OUTSIDE ENDS AND ONE CENTERED ON THE HOUSING 19 POS AND LARGER-(4 REQD) TWO ON THE OUTSIDE ENDS AND TWO SPACED EVENLY WITHIN THE REMAINING LENGTH OF THE HOUSING.
- 3 POINT OF MEASUREMENT FOR PLATING THICKNESS.
- 4 .000030 GOLD ON THE CONTACT AREA, .000100-.000200 MATTE TIN-LEAD ON THE SOLDER TAIL, ALL OVER .000050 NICKEL.
- 5 OBSOLETE PART NUMBER
- 6 RECESSED DATE CODE
- 7 .000030 GOLD ON THE CONTACT AREA, .000100-.000200 MATTE TIN ON THE SOLDER TAIL, ALL OVER .000050 NICKEL.
- 8 MATERIAL: HOUSING- FLAME RETARDANT THERMOPLASTIC, COLOR- BLACK. POSTS- COPPER ALLOY
- 9 OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI



SECTION X-X



RECOMMENDED HOLE LAYOUT

PLATING	D	C	B	A	NO OF POS	ASSEMBLY PART NUMBER
9 OBSOLETE	2.620	2.540	2.400	24	25	7-103414-3
9 OBSOLETE	2.520	2.440	2.300	23	24	7-103414-2
9 OBSOLETE	2.420	2.340	2.200	22	23	7-103414-1
9 OBSOLETE	2.320	2.240	2.100	21	22	7-103414-0
9 OBSOLETE	2.220	2.140	2.000	20	21	6-103414-9
9 OBSOLETE	2.120	2.040	1.900	19	20	6-103414-8
9 OBSOLETE	2.020	1.940	1.800	18	19	6-103414-7
9 OBSOLETE	1.920	1.840	1.700	17	18	6-103414-6
9 OBSOLETE	1.820	1.740	1.600	16	17	6-103414-5
9 OBSOLETE	1.720	1.640	1.500	15	16	6-103414-4
9 OBSOLETE	1.620	1.540	1.400	14	15	6-103414-3
9 OBSOLETE	1.520	1.440	1.300	13	14	6-103414-2
9 OBSOLETE	1.420	1.340	1.200	12	13	6-103414-1
9 OBSOLETE	1.320	1.240	1.100	11	12	6-103414-0
9 OBSOLETE	1.220	1.140	1.000	10	11	5-103414-9
9 OBSOLETE	1.120	1.040	.900	9	10	5-103414-8
9 OBSOLETE	1.020	.940	.800	8	9	5-103414-7
9 OBSOLETE	.920	.840	.700	7	8	5-103414-6
9 OBSOLETE	.820	.740	.600	6	7	5-103414-5
9 OBSOLETE	.720	.640	.500	5	6	5-103414-4
9 OBSOLETE	.620	.540	.400	4	5	5-103414-3
9 OBSOLETE	.520	.440	.300	3	4	5-103414-2
9 OBSOLETE	.420	.340	.200	2	3	5-103414-1
OBSOLETE	3.720	3.640	3.500	35	36	3-103414-4
OBSOLETE	3.620	3.540	3.400	34	35	3-103414-3
OBSOLETE	3.520	3.440	3.300	33	34	3-103414-2
OBSOLETE	3.420	3.340	3.200	32	33	3-103414-1
OBSOLETE	3.320	3.240	3.100	31	32	3-103414-0
OBSOLETE	3.220	3.140	3.000	30	31	2-103414-9
OBSOLETE	3.120	3.040	2.900	29	30	2-103414-8
OBSOLETE	3.020	2.940	2.800	28	29	2-103414-7
OBSOLETE	2.920	2.840	2.700	27	28	2-103414-6
OBSOLETE	2.820	2.740	2.600	26	27	2-103414-5
OBSOLETE	2.720	2.640	2.500	25	26	2-103414-4
9 OBSOLETE	2.620	2.540	2.400	24	25	2-103414-3
9 OBSOLETE	2.520	2.440	2.300	23	24	2-103414-2
9 OBSOLETE	2.420	2.340	2.200	22	23	2-103414-1
9 OBSOLETE	2.320	2.240	2.100	21	22	2-103414-0
9 OBSOLETE	2.220	2.140	2.000	20	21	1-103414-9
9 OBSOLETE	2.120	2.040	1.900	19	20	1-103414-8
9 OBSOLETE	2.020	1.940	1.800	18	19	1-103414-7
9 OBSOLETE	1.920	1.840	1.700	17	18	1-103414-6
9 OBSOLETE	1.820	1.740	1.600	16	17	1-103414-5
9 OBSOLETE	1.720	1.640	1.500	15	16	1-103414-4
9 OBSOLETE	1.620	1.540	1.400	14	15	1-103414-3
9 OBSOLETE	1.520	1.440	1.300	13	14	1-103414-2
9 OBSOLETE	1.420	1.340	1.200	12	13	1-103414-1
9 OBSOLETE	1.320	1.240	1.100	11	12	1-103414-0
9 OBSOLETE	1.220	1.140	1.000	10	11	103414-9
9 OBSOLETE	1.120	1.040	.900	9	10	103414-8
9 OBSOLETE	1.020	.940	.800	8	9	103414-7
9 OBSOLETE	.920	.840	.700	7	8	103414-6
9 OBSOLETE	.820	.740	.600	6	7	103414-5
9 OBSOLETE	.720	.640	.500	5	6	103414-4
9 OBSOLETE	.620	.540	.400	4	5	103414-3
9 OBSOLETE	.520	.440	.300	3	4	103414-2
9 OBSOLETE	.420	.340	.200	2	3	103414-1
9 SUPERSEDED BY 6-103414-1						

THIS DRAWING IS A CONTROLLED DOCUMENT. **STE** TE Connectivity

DIMENSIONS: INCHES. TOLERANCES UNLESS OTHERWISE SPECIFIED:

0. PLC	± .005
1. PLC	± .005
2. PLC	± .005
3. PLC	± .005
4. PLC	± .005
ANGLES	± .005

MATERIAL: 8. FINISH: SEE TABLE. WEIGHT: -. SIZE: A1. CASE CODE: 00779. DRAWING NO: 103414. CUSTOMER DRAWING. SCALE: 4:1. SHEET: 1 OF 1. REV: P2.