

5148103-1 Product Details



5148103-1

TE Internal Number: 5148103-1



Active

Eurocard Type B

 Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- Connector
- Connector Assembly
- Connector Style = Plug
- Contact Type = Pin
- 32 Positions

Documentation & Additional Information

Product Drawings:

- [ASSEMBLY, PIN, EUROCARD, TYPE 1/2B, 32 POSITION, 2.6...](#) (PDF, English)

Catalog Pages/Data Sheets:

- None Available

Product Specifications:

- None Available

Application Specifications:

- [Eurocard Connectors Types B,C,M,Q,R, & Enhanced Typ...](#) (PDF, English)

Instruction Sheets:

- None Available

CAD Files: (CAD Format & Compression Information)

- [2D Drawing](#) (DXF, Version 0)
- [3D Model](#) (IGES, Version 0)
- [3D Model](#) (STEP, Version 0)

Additional Information:

- [Product Information](#)
- [Product Line Information](#)

Related Products:

- [Tooling](#)

Product Features (Please use the Product Drawing for all design activity)

Product Type Features:

- Product Type = Connector
- Connector Type = Connector Assembly
- [PCB Mounting Orientation](#) = Right Angle
- [Make First / Break Last](#) = Yes
- PCB Mount Alignment = Without
- Termination Method to PC Board = Through Hole - Solder
- [PCB Mount Retention](#) = With
- [PCB Mount Retention Type](#) = Mounting Hole(s)
- Sealed = No
- UL File Number = E28476
- CSA File Number = LR 7189

Electrical Characteristics:

- Contact - Rated Current (A) = 1.5
- Operating Voltage Reference = AC
- Operating Voltage (VAC) = 250
- Operating Voltage (VDC) = 250

Termination Features:

- Tail Length (mm [in]) = 2.64 [0.104]
- Tail Orientation = In-line

Dimensions:

- Mating Post Length (mm [in]) = 4.17 - 4.93 [0.164 - 0.194]
- PCB Thickness, Recommended (mm [in]) = 1.57 [0.062]
- Length (X-Axis) (mm [in]) = 53.34 [2.100]
- Width (Z-Axis) (mm [in]) = 8.56 [0.337]
- Profile Height (Y-Axis) (mm [in]) = 12.62 [0.497]

Body Features:

- Header Type = Shrouded
- Row-to-Row Spacing (mm [in]) = 2.54 [0.100]
- Underplate Material Thickness (μm [in]) = 1.27 [50.000]
- Mating Retention = Without

Housing Features:

- Connector Style = Plug
- Centerline (mm [in]) = 2.54 [0.100]
- Mating Alignment = With
- Mating Alignment Type = Polarization
- UL Flammability Rating = UL 94V-0

Configuration Features:

- [Number of Positions](#) = 32
- [Number of Columns](#) = 16
- [Custom Configurable](#) = No
- [Number of Rows](#) = 2

Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- [Lead Free Solder Processes](#) = Wave solder capable to 260°C, Wave solder capable to 240°C, Wave solder capable to 265°C
- [RoHS/ELV Compliance History](#) = Always was RoHS compliant
- [Approved Standards](#) = CSA, UL
- [UL Rating](#) = Recognized
- [CSA Certified](#) = Yes

Environmental:

- [Operating Temperature](#) ($^{\circ}\text{C}$ [$^{\circ}\text{F}$]) = -55 - +125 [-67 - +257]

Conditions for Usage:

- [Applies To](#) = Printed Circuit Board
- [Board-to-Board Configuration](#) = Co-Planar, Co-Planar/Right Angle, Right Angle

Operation/Application:

- [Application Use](#) = Board-to-Board
- [Industry Application](#) = Standard
- [Contact Transmits](#) (Typical Application) = Signal (Data)

Packaging Features:

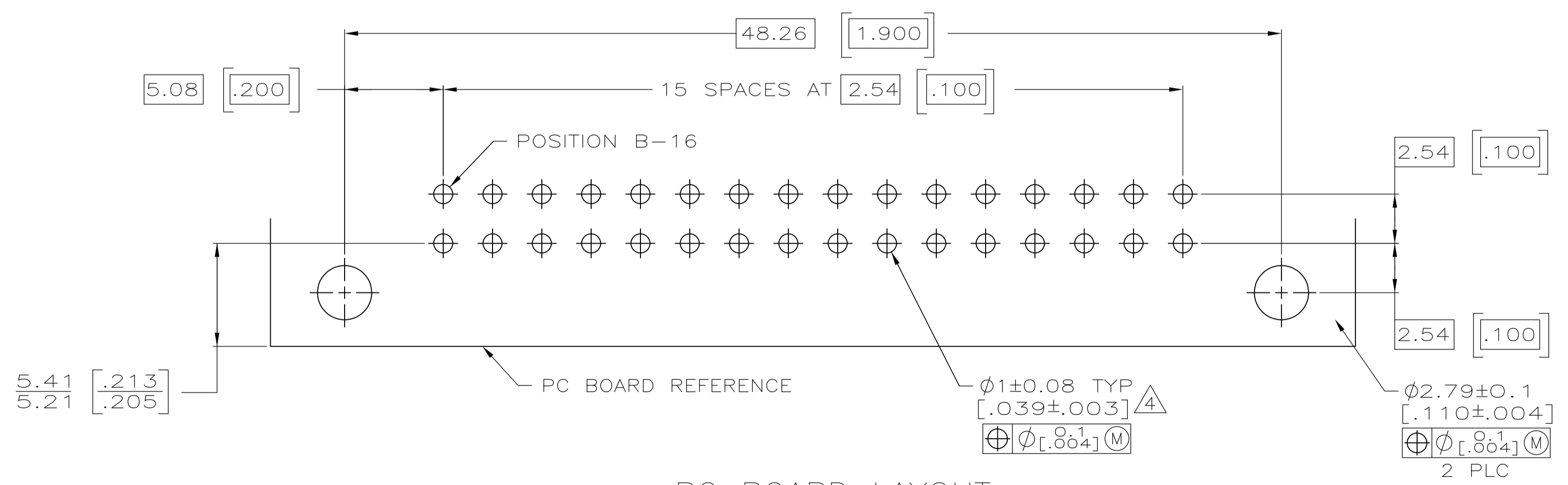
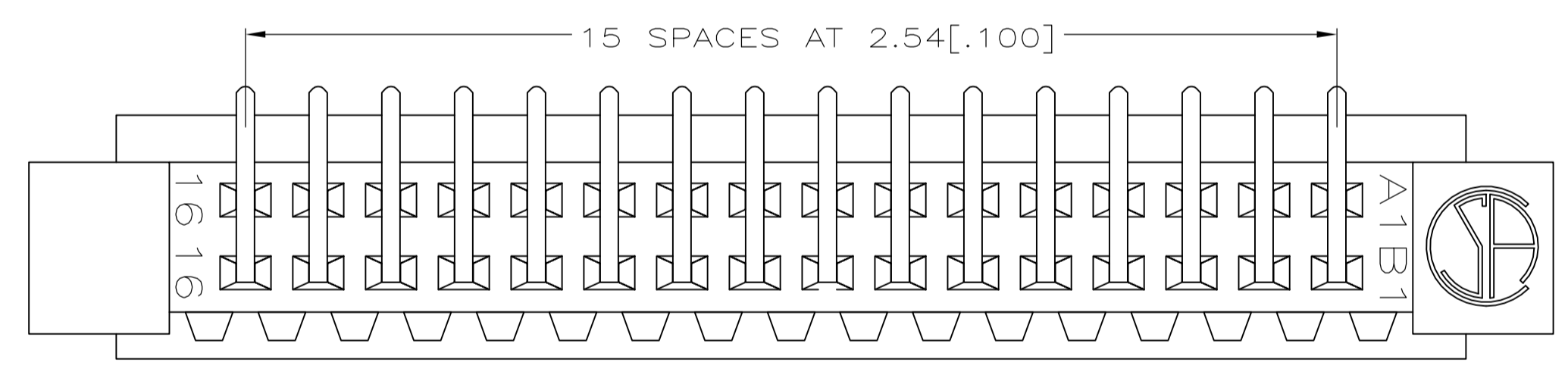
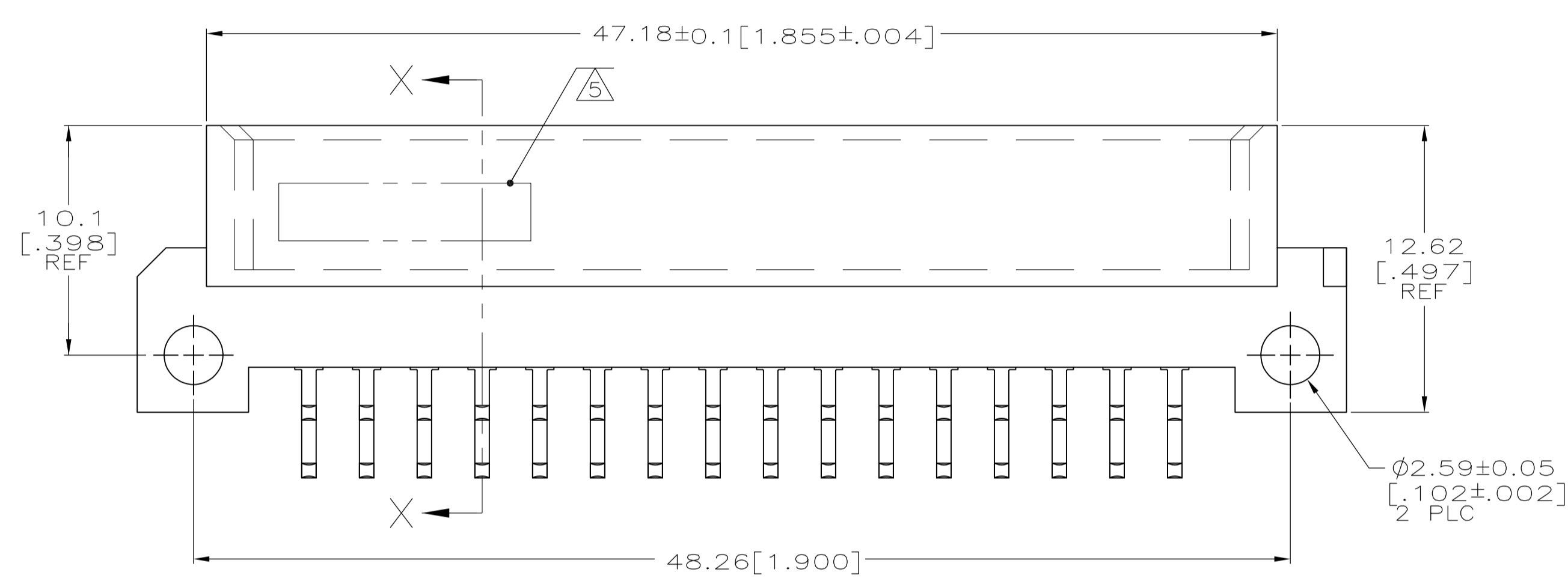
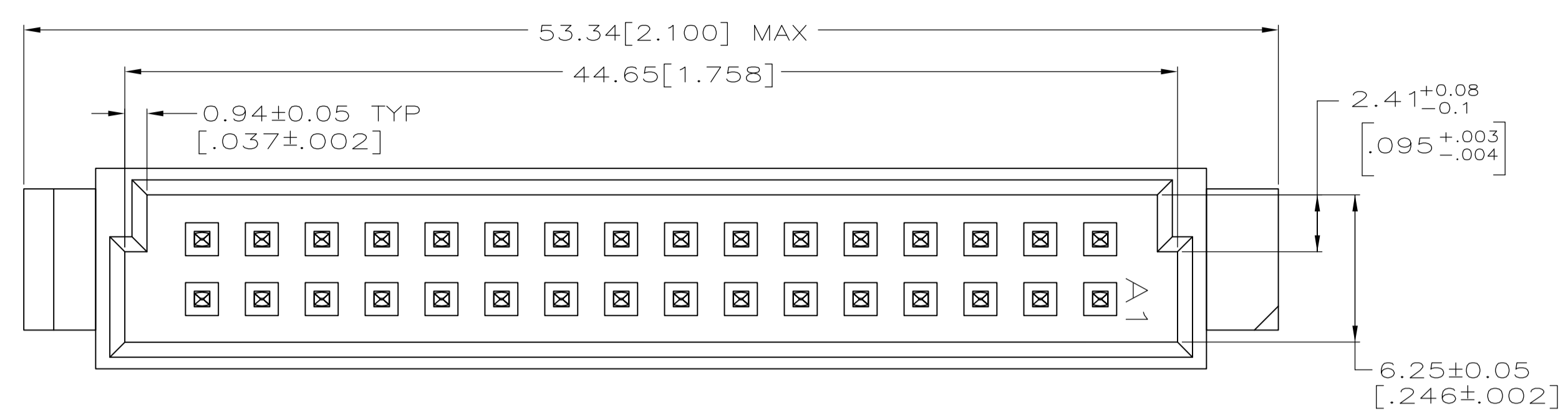
Contact Features:

- Contact Type = Pin
- Contact Plating, Termination Area, Material = Tin
- Contact Base Material = Brass
- Contact Design = Square Post
- Contact Plating, Mating Area, Material = Gold or Palladium Nickel or Performance Based
- Contact Plating, Mating Area, Thickness (μm [μin]) = 0.76 [29.92]
- Underplate Material = Nickel
- Contact Plating, Termination Area, Thickness (μm [μin]) = 2.54 [100]

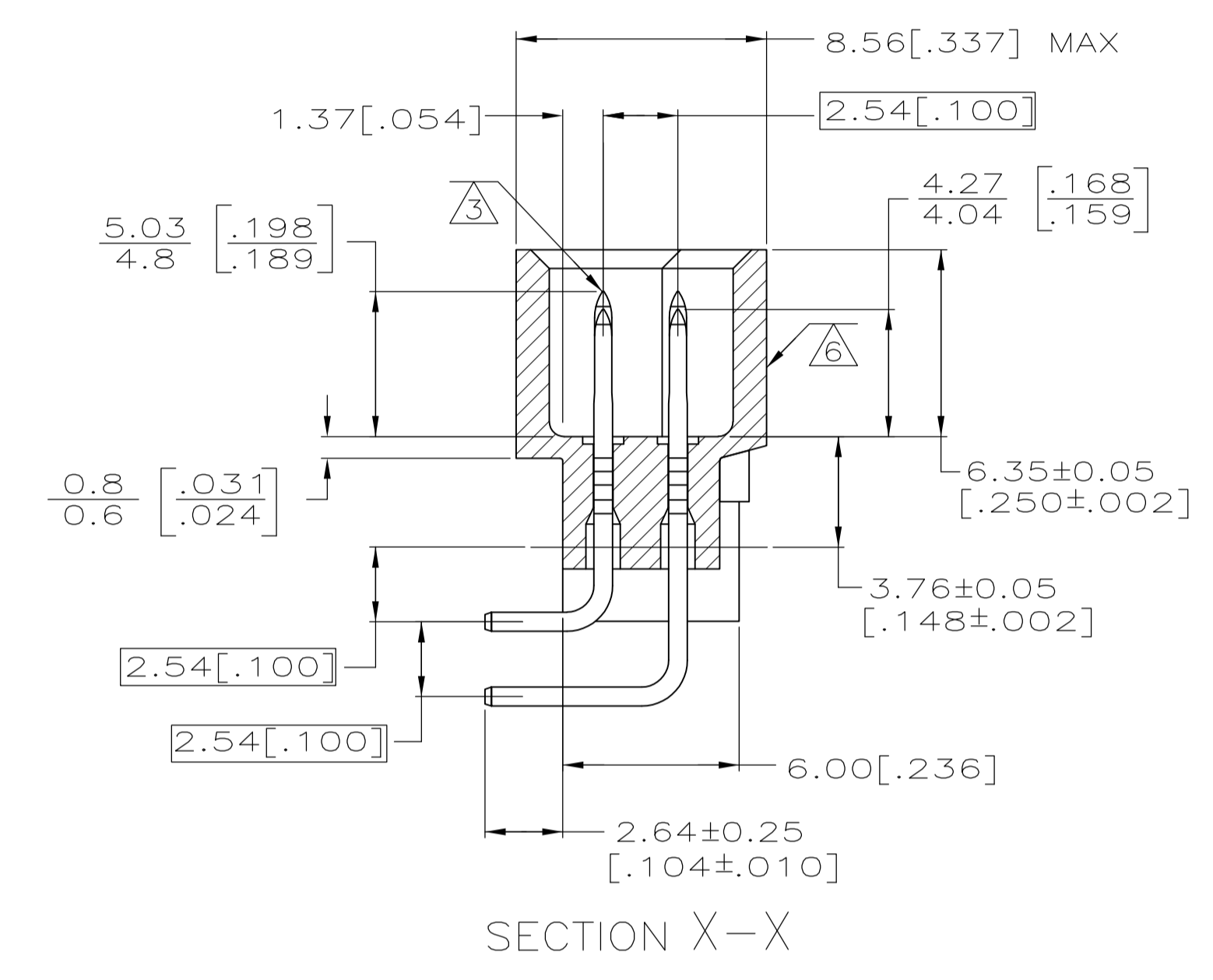
- Packaging Method = Tray

Other:

- Industry = Not Specified
- Brand = AMP



- 1 HOUSING MATERIAL: GLASS-FILLED POLYMER.
- 2 POST MATERIAL: COPPER ALLOY.
- 3 POST FINISH: DIN 41612 CLASS 2 IN CONTACT AREA. TIN PLATE ON POSTS.
- 4 RECOMMENDED HOLE SIZE FOR MANUAL APPLICATION OF CONNECTOR ONTO PC BOARD.
- 5 PART NUMBER, DATE CODE MARKED THIS APPROXIMATE AREA.
- 6 MARKING ON THIS SIDE.



1,16	2-15	16	B	5148103-1
1,16	2-15	16	A	
POSITIONS LOADED WITH 4.93 [.194] CONTACTS		POSITIONS LOADED WITH 4.16 [.164] CONTACTS		NO. OF LOADED POSITIONS
THIS DRAWING IS A CONTROLLED DOCUMENT.		DIMENSIONS: mm [INCHES] TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± - 1 PLC ± - 2 PLC ± 0.13 [.005] 3 PLC ± - 4 PLC ± - ANGLES ± -		THIS DRAWING IS A CONTROLLED DOCUMENT. DIM: J. POLIGNONE CHK: A. SHARPE APVD: A. SHARPE PRODUCT SPEC: - APPLICATION SPEC: - MATERIAL: 1, 2 FINISH: 3
Tyco Electronics Corporation Harrisburg, Pa 17105-3608		NAME: ASSEMBLY, PIN, EUROCARD, TYPE 1/2B, 32 POSITION, 2.64 [.104] SOLDER POST WITH MFBL CONTACTS		RESTRICTED TO
CUSTOMER DRAWING		SCALE: 5:1	SHEET: 1 OF 1	REV: 01