

## 5536053-5 Product Details

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**5536053-5**

TE Internal Number: 5536053-5

 Active

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### Eurocard Type B

 Always EU RoHS/ELV Compliant  
(Statement of Compliance)

### Product Highlights:

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

[View all Features](#)

### Quick Links

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### 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)

[List all Documents](#)

#### Additional Information:

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

#### Related Products:

- [Tooling](#)
- [Mating Products \(4\)](#)

### 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](#) = No
- PCB Mount Alignment = Without
- [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

#### 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
- Tail Orientation = In-line

#### Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS compliant, ELV

**Termination Features:**

- Termination Method to PC Board = Through Hole - Solder

**Dimensions:**

- Mating Post Length (mm [in]) = 4.93 [0.194]
- Tail Length (mm [in]) = 2.64 [0.104]
- 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 ( $\mu\text{m}$  [ $\mu\text{in}$ ]) = 1.27 [50.000]
- Mating Retention = Without

**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 ( $\mu\text{m}$  [ $\mu\text{in}$ ]) = 0.76 [29.92]
- Underplate Material = Nickel
- Contact Plating, Termination Area, Thickness ( $\mu\text{m}$  [ $\mu\text{in}$ ]) = 2.54 [100]

compliant

- Lead Free Solder Processes** = Wave solder capable to 240°C, Wave solder capable to 260°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:**

- Packaging Method = Tray

**Other:**

- Industry = Not Specified
- Brand = AMP

**Corporate Information**

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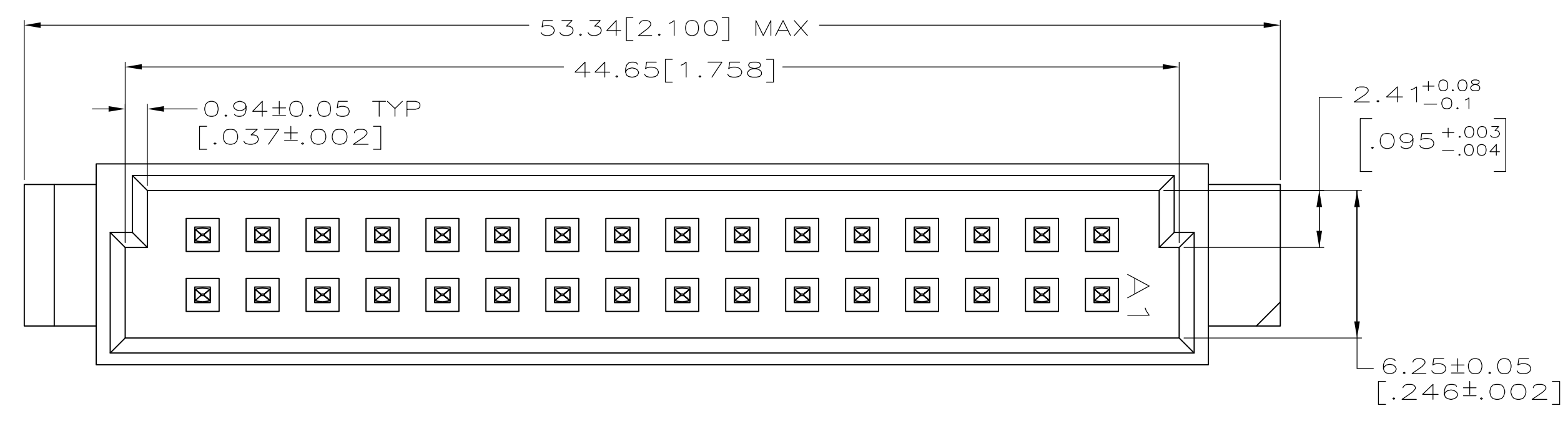
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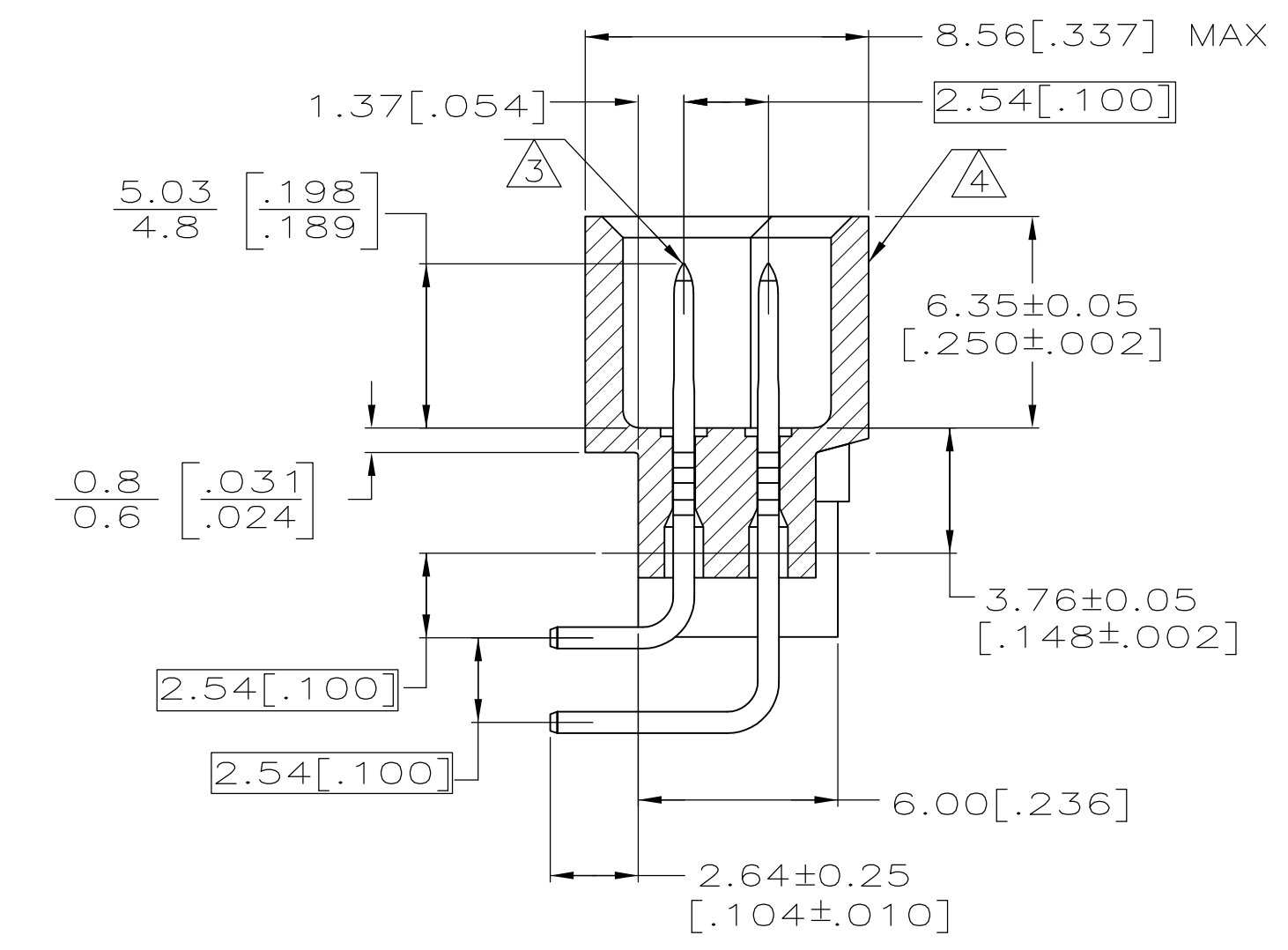
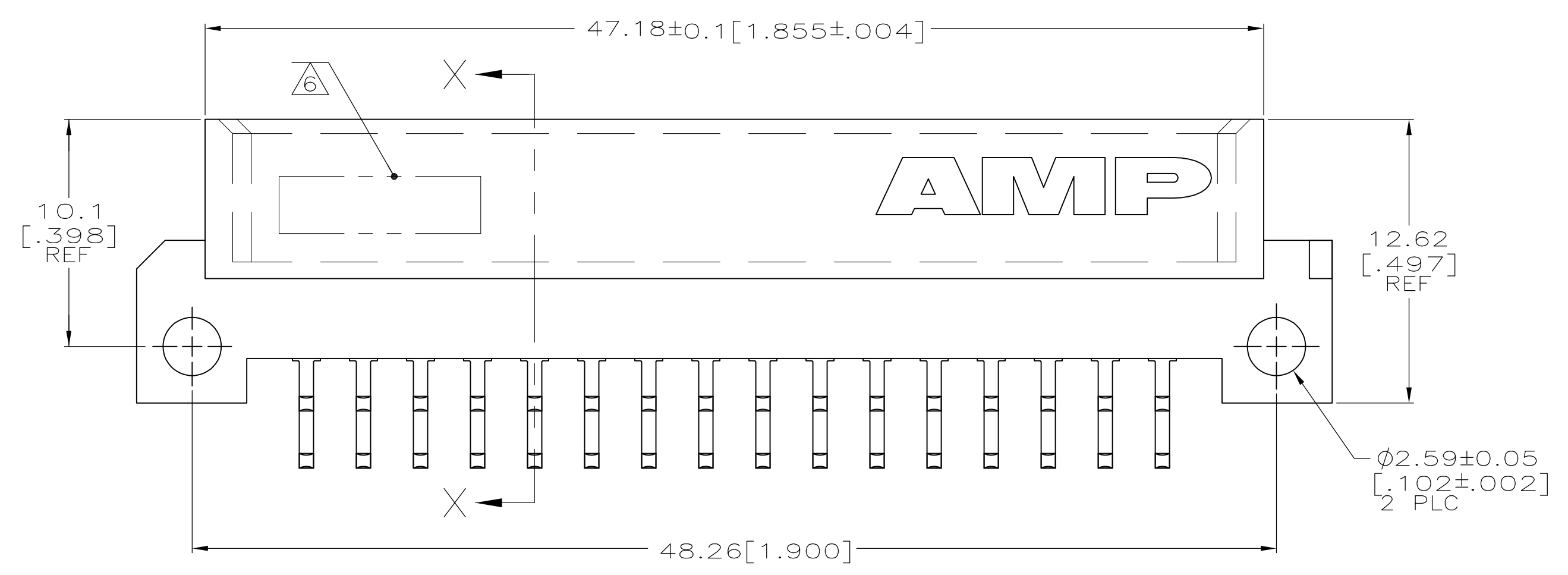
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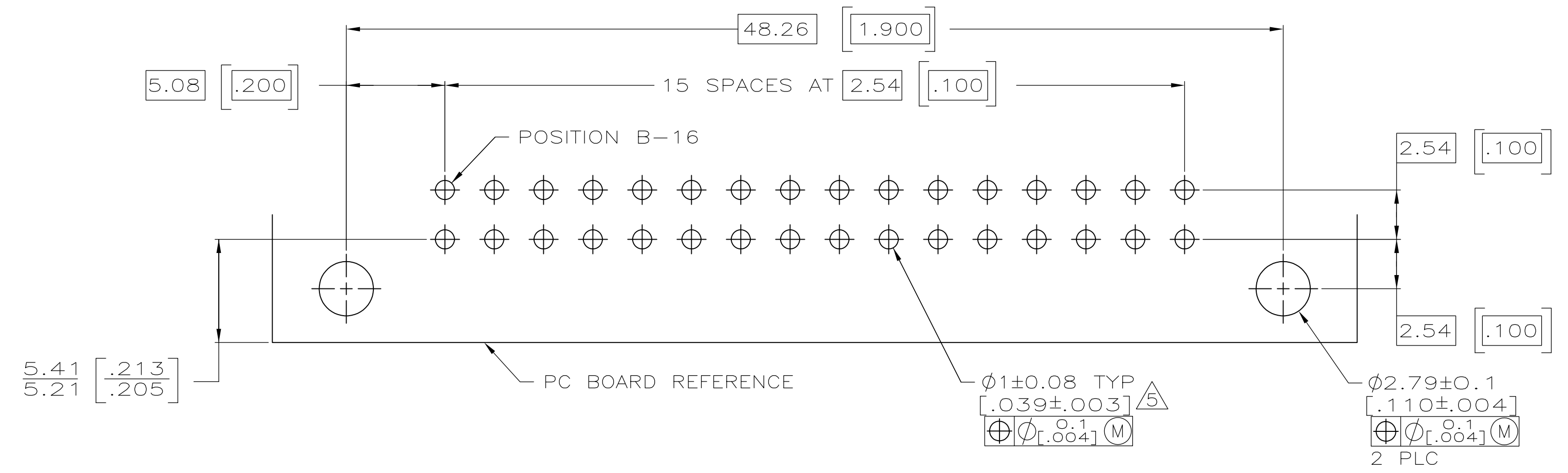
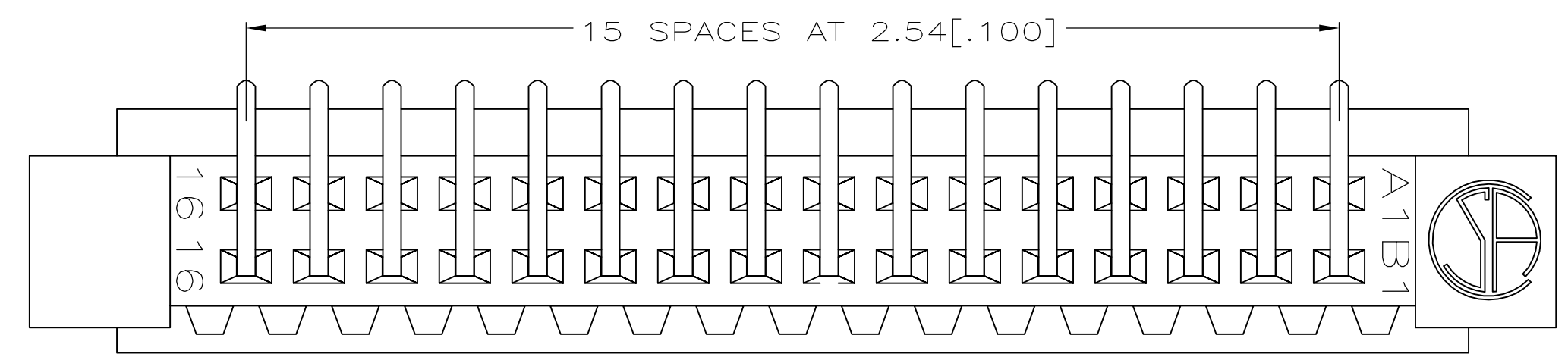
LOC		DIST		REVISIONS			
AD	25	REV	DATE	DESCRIPTION	DATE	BY	APPV
01			21AUG07	REVISED PER ECO-07-018157		DH	DB



- 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 MARKING ON THIS SIDE.
- ⑤ RECOMMENDED HOLE SIZE FOR MANUAL APPLICATION OF CONNECTOR ONTO PC BOARD.
- ⑥ PART NUMBER, DATE CODE MARKED THIS APPROXIMATE AREA.



SECTION X-X



PC BOARD LAYOUT

1-16	X	X	32	5536053-5
POSITIONS LOADED	B	A	NO. OF LOADED POSITION	ASSY PART NUMBER
	ROWS	LOADED		

THIS DRAWING IS A CONTROLLED DOCUMENT.		DIN J. POLIGNONE		Tyco Electronics Corporation	
DIMENSIONS: mm [INCHES]		CIRK A. SHARPE		Harrisburg, Pa 17105-3608	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD A. SHARPE		NAME	
0 PLC	± -	PRODUCT SPEC		ASSEMBLY, PIN, EUROCARD, TYPE 1/2B,	
1 PLC	± -	APPLICATION SPEC		32 POSITION,	
2 PLC	± 0.13 [.005]	SIZE		2.64 [.104] SOLDER POST	
3 PLC	± -	WEIGHT		A1 00779 C=5536053	
4 PLC	± -	CUSTOMER DRAWING		SCALE 5:1 SHEET 1 OF 1 REV 01	
ANGLES	± -				
MATERIAL	① ②				
FINISH	③				