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5650473-5 Product Details

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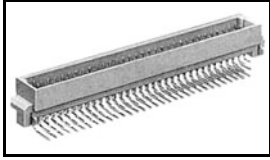
5650473-5

TE Internal Number: 5650473-5

✔ Active

📄 View 3D PDF

Eurocard Type C

🍃 Always EU RoHS/ELV Compliant

(Statement of Compliance)

Product Highlights:
- Eurocard Product Line
- Product Series = Type C
- Connector Assembly
- Connector Style = Plug
- Board-to-Board

View all Features

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Documentation & Additional Information

Product Drawings:
- ASSEMBLY, PIN EUROCARD, TYPE C, 96 POSITION, .104 ... (PDF, English)
- ASSEMBLY, PIN EUROCARD, TYPE C, .104 SOLDER POST (PDF, English)

Catalog Pages/Data Sheets:
- None Available

Product Specifications:
- None Available

Application Specifications:
- Eurocard Connectors Types B,C,M,Q,R, & Enchanced Typ... (PDF, English)

Instruction Sheets:
- None Available

CAD Files: (CAD Format & Compression Information)
- 2D Drawing (DXF, Version A)
- 3D Model (IGES, Version A)
- 3D Model (STEP, Version A)

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 Line = Eurocard
- Product Series = Type C
- Connector Type = Connector Assembly
- PCB Mount Retention = Without
- PCB Mounting Orientation = Right Angle
- Size = Standard
- Make First / Break Last = No
- DIN Level = II

Electrical Characteristics:
- Contact - Rated Current (A) = 1.5

Termination Features:
- Termination Post Length (mm [in]) = 2.65 [0.104]

Housing Features:
- Connector Style = Plug
- Centerline (mm [in]) = 2.54 [0.100]
- Mating Alignment = With
- Mating Alignment Type = Polarization
- Housing Material = High Temperature Glass Filled Polyester
- UL Flammability Rating = UL 94V-0

Configuration Features:
- Number of Rows = 3
- Number of Positions = 96
- Rows Loaded = A, B, C

Industry Standards:

- Termination Method to PC Board = Through Hole - Solder

Dimensions:
- PCB Thickness (Minimum) (mm [in]) = 1.57 [0.062]

Contact Features:
- Contact Type = Pin
- Contact Base Material = Copper Alloy
- Contact Plating, Mating Area, Material = DIN 41612 Class 2
- Contact Plating, Termination Area, Material = Tin
- Contact Cross Section (mm [in]) = 0.64 [.025] Sq.

- RoHS/ELV Compliance = RoHS compliant, ELV compliant
- Lead Free Solder Processes = Reflow solder capable to 245°C, Reflow solder capable to 260°C
- RoHS/ELV Compliance History = Always was RoHS compliant

Conditions for Usage:
- Applies To = Printed Circuit Board

Operation/Application:
- Application Use = Board-to-Board
- Contact Transmits (Typical Application) = Signal (Data)

Other:
- Brand = TE Connectivity

REVISIONS

LOC AD	DIST 00			
P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	REVISED PER ECO-13-011071	12JUL2013	KH	RP
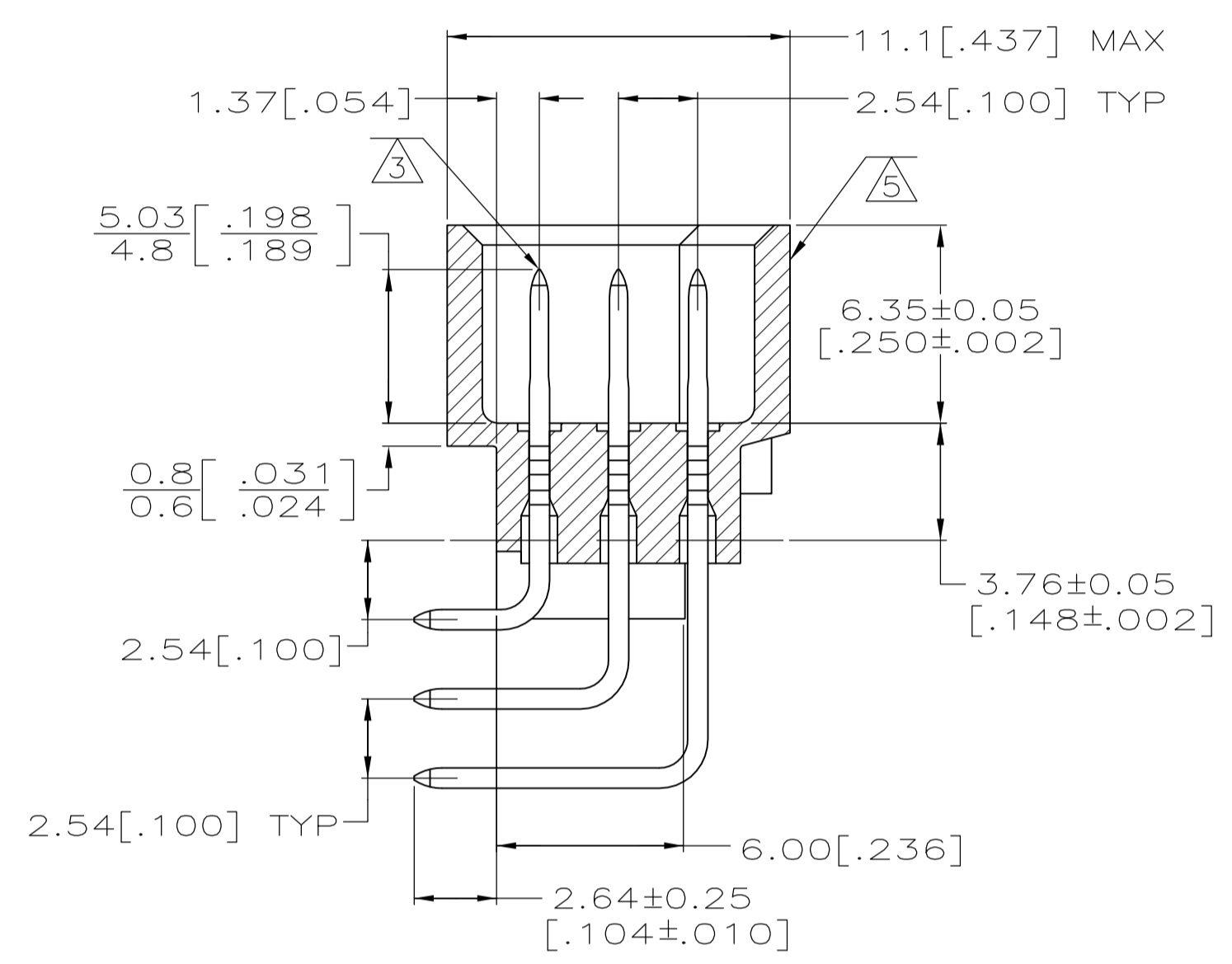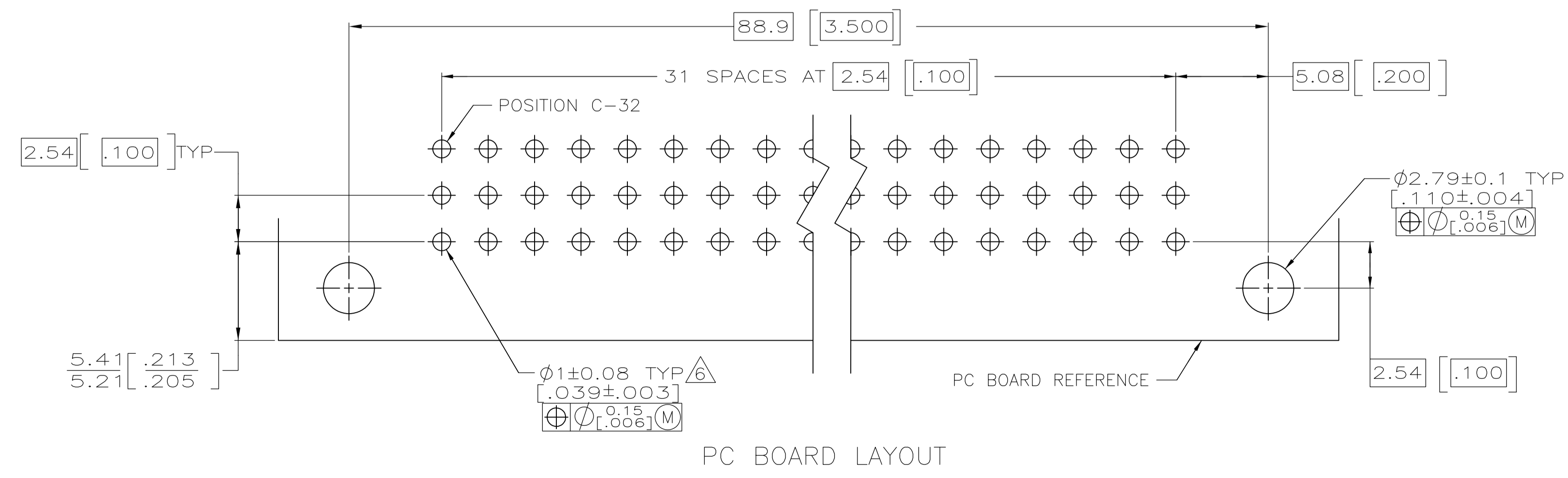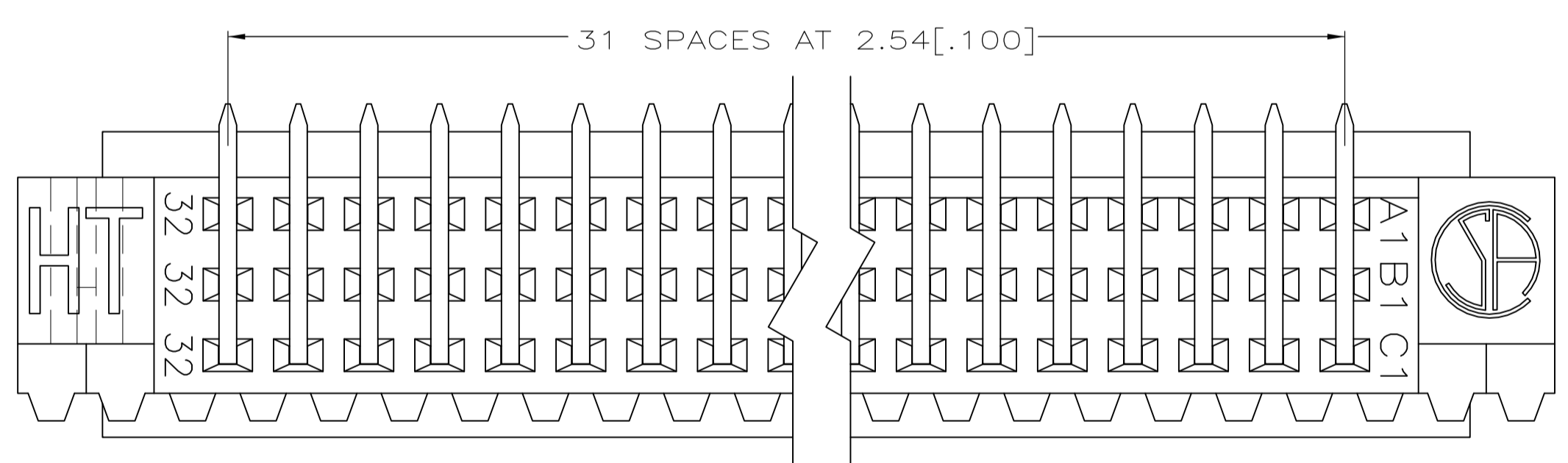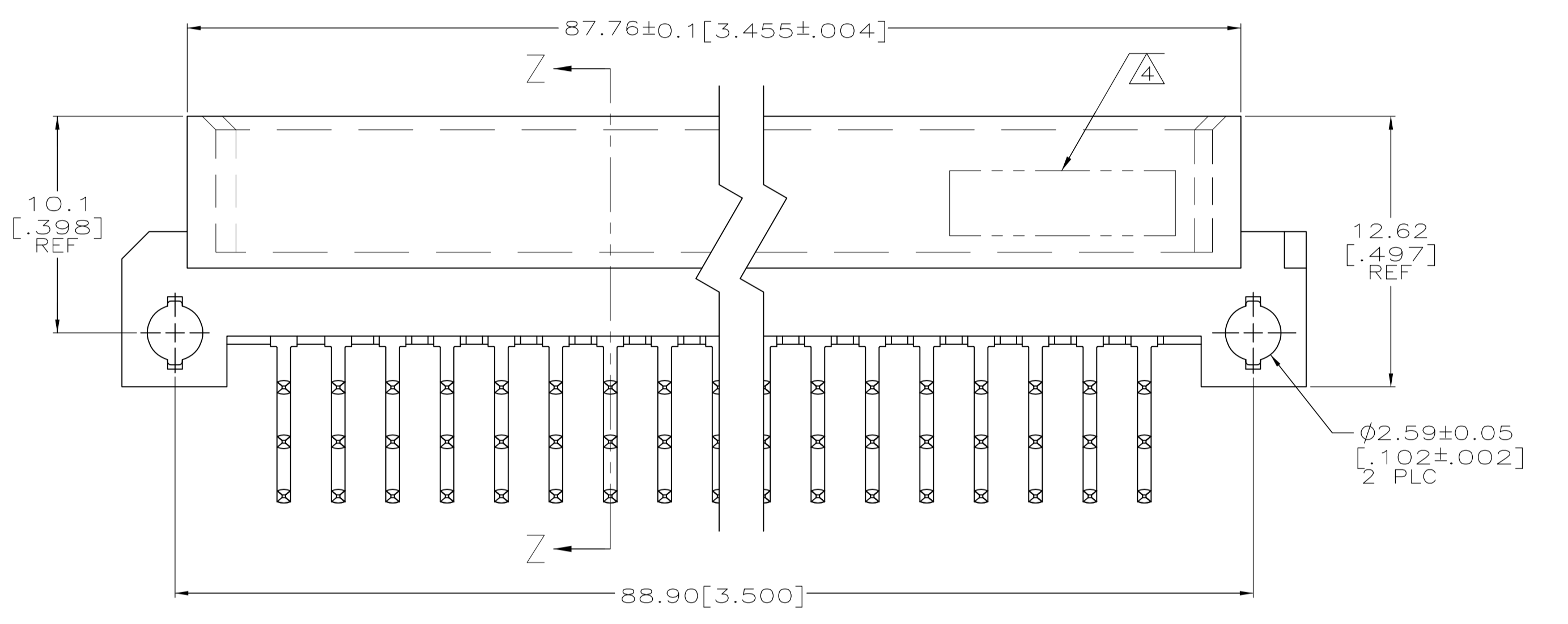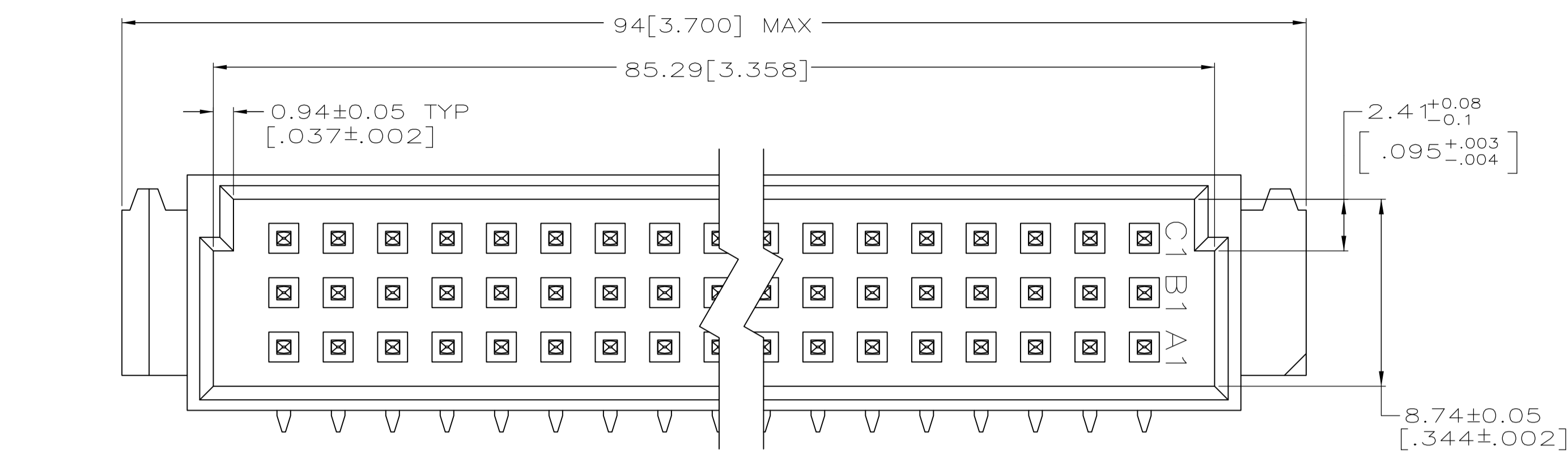
1. HOUSING MATERIAL: GLASS-FILLED POLYMER.

2. POST MATERIAL: COPPER ALLOY.

3. POST FINISH: DIN 41612 CLASS 2 IN CONTACT AREA. TIN PLATE ON POSTS.

4. PART NUMBER, DATE CODE MARKED THIS APPROXIMATE AREA.

5. MARKING ON THIS SIDE.

6. RECOMMENDED HOLE SIZE FOR MANUAL APPLICATION OF CONNECTOR ONTO PC BOARD.

7. CONTACT AREA FINISH: 0.00076 [.000030] MIN GOLD OVER 0.00127 [.000050] MIN NICKEL. TAIL FINISH: 0.0025 [.000100] MIN MATTE TIN OVER 0.00127 [.000050] MIN NICKEL.

8. CONTACT AREA FINISH: 0.00127 [.000050] MIN GOLD OVER 0.00127 [.000050] MIN NICKEL. TAIL FINISH: 0.0025 [.000100] MIN MATTE TIN OVER 0.00127 [.000050] MIN NICKEL.

94[3.700] MAX

85.29[3.358]

0.94±0.05 TYP [.037±.002]

2.41 +0.08 −0.1 [.095 +.003 −.004]

8.74±0.05 [.344±.002]

C1 B1 A1

87.76±0.1[3.455±.004]

10.1 [.398] REF

12.62 [.497] REF

Ø2.59±0.05 [.102±.002] 2 PLC

88.90[3.500]

Z Z

SECTION Z-Z

11.1[.437] MAX

1.37[.054]

2.54[.100] TYP

5.03[.198] / 4.8[.189]

6.35±0.05 [.250±.002]

0.8[.031] / 0.6[.024]

3.76±0.05 [.148±.002]

2.54[.100]

2.54[.100] TYP

6.00[.236]

2.64±0.25 [.104±.010]

31 SPACES AT 2.54[.100]

32 32 32 32

A1 B1 C1

HT

PC BOARD LAYOUT

88.9 [3.500]

31 SPACES AT 2.54 [.100]

5.08 [.200]

POSITION C-32

2.54 [.100] TYP

Ø2.79±0.1 TYP [.110±.004]
Ø 0.15 [.006] (M)

5.41[.213] / 5.21[.205]

Ø1±0.08 TYP [.039±.003]
Ø 0.15 [.006] (M)

PC BOARD REFERENCE

2.54 [.100]

SUPERSEDED BY 5650473-5

						POSITIONS LOADED						NO. OF LOADED POSITIONS	PART NUMBER
1-32			X	X	X	–						96	7-5650473-5
1-32			X	X	X	7						96	5650473-6
1-32			X	X	X	3						96	5650473-5
1-32			X	X	X	8						96	5650473-1
POSITIONS LOADED			C	B	A	FINISH						NO. OF LOADED POSITIONS	PART NUMBER
			ROWS LOADED										