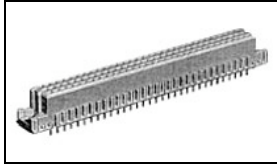# 5650405-5 Product Details

5650405-5

TE Internal Number: 5650405-5

✔ Active

Eurocard Type C

🌱 Always EU RoHS/ELV Compliant (Statement of Compliance)

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

Documentation & Additional Information

Product Drawings:
- ASSEMBLY, RECEPTACLE, EUROCARD, TYPE C, LEAD-FREE, 1... (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 O)
- 3D Model (IGES, Version O)
- 3D Model (STEP, Version O)

Additional 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 Line = Eurocard
- Product Series = Type C
- Connector Type = Connector Assembly
- PCB Mount Retention = Without
- PCB Mounting Orientation = Vertical
- Termination Method to PC Board = Through Hole - Solder
- Size = Expanded
- Make First / Break Last = No
- DIN Level = II

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

Termination Features:
- Termination Post Length (mm [in]) = 3.30 [0.130]

Contact Features:
- Contact Type = Socket

- 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]) = 0.30 x 0.61 [.012 x .024]

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

Configuration Features:
- Number of Rows = 3
- Number of Positions = 150
- Rows Loaded = A, B, C

Industry Standards:
- RoHS/ELV Compliance = RoHS compliant, ELV 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

Conditions for Usage:
- Applies To = Printed Circuit Board
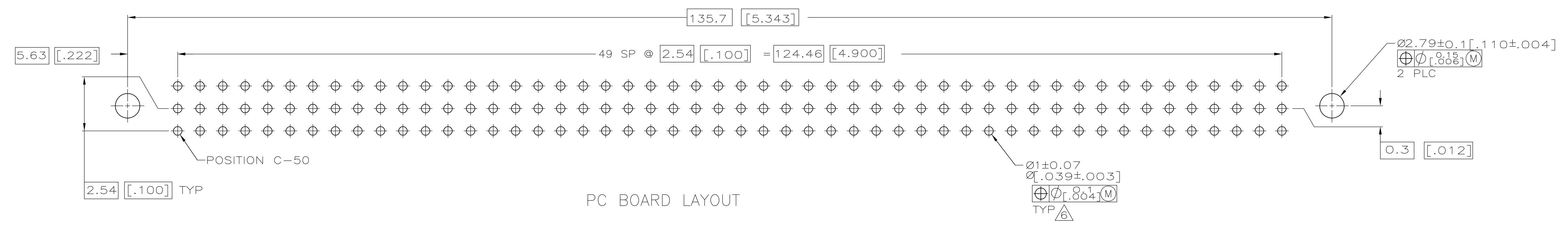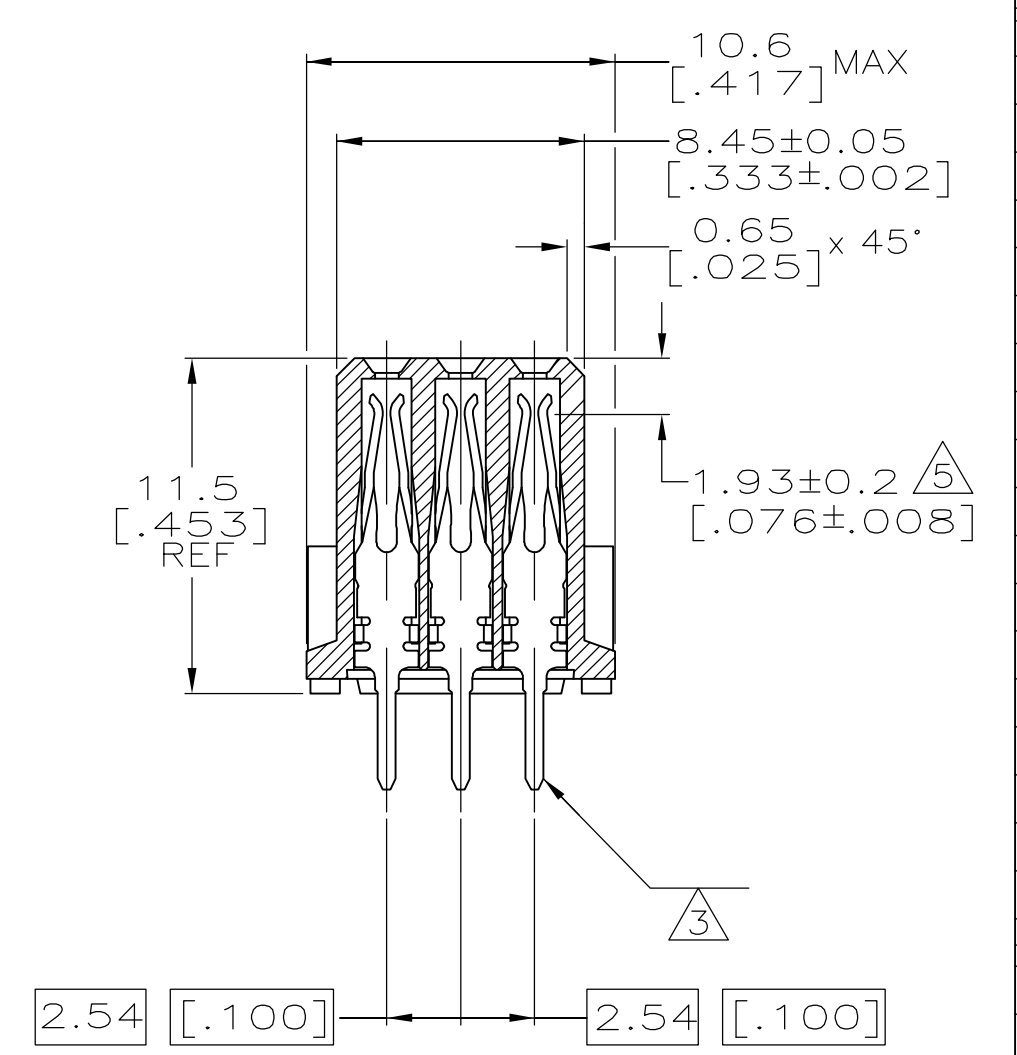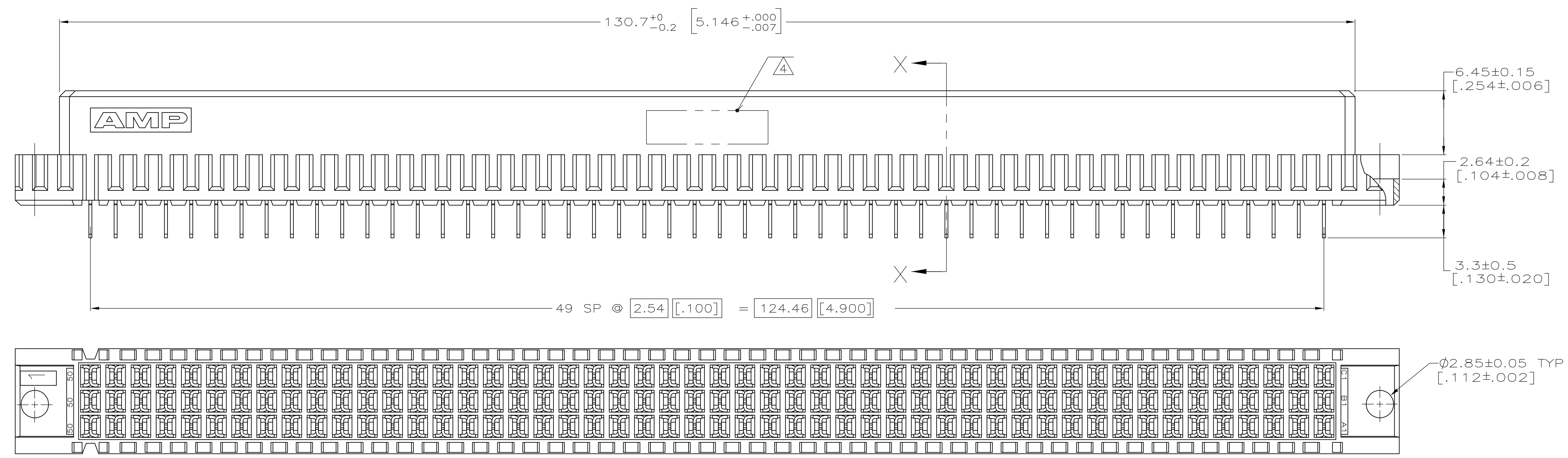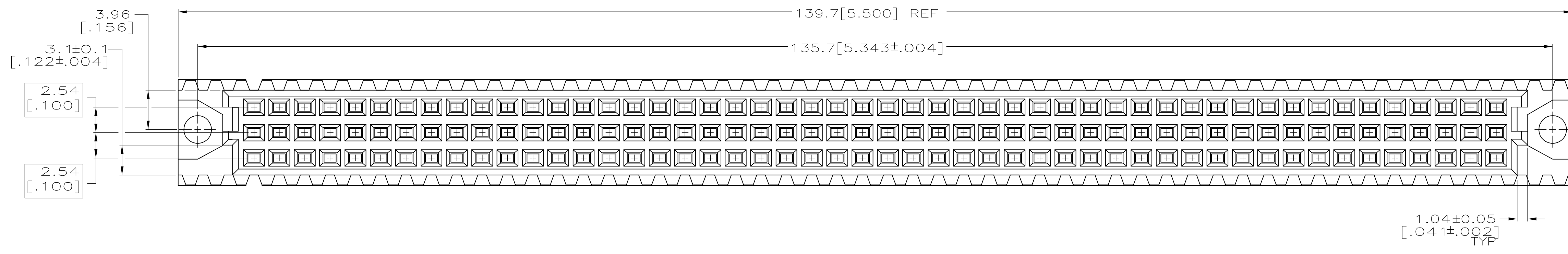
Operation/Application:
- Application Use = Board-to-Board
- Contact Transmits (Typical Application) = Signal (Data)

Other:
- Brand = AMP

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

LOC	DIST	REVISIONS

| AD | 25 |

P	LTR	DESCRIPTION	DATE	DWN	APVD
	O	RELEASE PER EC 0S12-0082-05	27MAY05	JDP	AMS

1. HOUSING MATERIAL: GLASS-FILLED POLYMER.

2. CONTACT MATERIAL: COPPER ALLOY.

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

4. PART NUMBER, DATE CODE IDENTIFICATION, CSA LOGO IN THIS APPROXIMATE AREA.

5. CONTACT POINT.

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

139.7[5.500] REF

135.7[5.343±.004]

3.96 [.156]

3.1±0.1 [.122±.004]

2.54 [.100]

2.54 [.100]

1.04±0.05 [.041±.002] TYP

130.7 +0 −0.2 [5.146 +.000 −.007]

6.45±0.15 [.254±.006]

2.64±0.2 [.104±.008]

3.3±0.5 [.130±.020]

49 SP @ 2.54 [.100] = 124.46 [4.900]

Ø2.85±0.05 TYP [.112±.002]

SECTION X-X

10.6 [.417] MAX

8.45±0.05 [.333±.002]

0.65 [.025] x 45°

11.5 [.453] REF

1.93±0.2 [.076±.008]

2.54 [.100]   2.54 [.100]

135.7 [5.343]

5.63 [.222]

49 SP @ 2.54 [.100] = 124.46 [4.900]

Ø2.79±0.1[.110±.004]
⊕ Ø 0.15 [.006] M
2 PLC

0.3 [.012]

POSITION C-50

Ø1±0.07 Ø[.039±.003]
⊕ Ø 0.1 [.004] M
TYP 6

2.54 [.100] TYP

PC BOARD LAYOUT

1 THRU 50	X	X	X	150	5650405-5
POSITIONS LOADED	C	B	A	NO. OF LOADED POSITION	ASSY PART NUMBER
	ROWS LOADED				