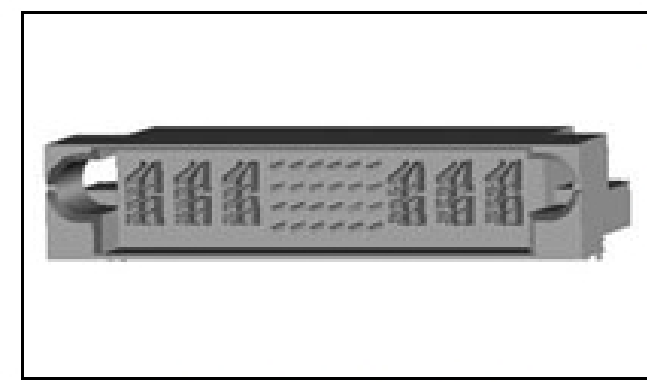


# 1-6450120-2 Product Details

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**1-6450120-2**

TE Internal Number: 1-6450120-2

Active

View 3D PDF

## MULTI-BEAM XL and MULTI-BEAM XLE Connectors

Always EU RoHS/ELV Compliant (Statement of Compliance)

### Product Highlights:

- Product Series = XL
- Board-to-Board
- Header
- Connector Style = Plug
- Contact Type = Pin

[View all Features](#)

### Quick Links

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## Documentation & Additional Information

**Product Drawings:**

- [RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL \(PDF, English\)](#)

**Catalog Pages/Data Sheets:**

- [2\\_PIECE\\_POWER\\_CONNECTORS\\_qrg\\_4-1773458-1 \(PDF, English\)](#)

**Product Specifications:**

- [Multi-Beam XL Board Mount Receptacle or Plug Connect... \(PDF, English\)](#)

**Application Specifications:**

- [Multi-Beam XL Connectors \(PDF, English\)](#)

**Instruction Sheets:**

- None Available

**CAD Files:** (CAD Format & Compression Information)

- [2D Drawing \(DXF, Version J1\)](#)
- [3D Model \(IGES, Version J1\)](#)
- [3D Model \(STEP, Version J1\)](#)

[List all Documents](#)

**Related Products:**

- [Tooling](#)
- [Mating Products \(2\)](#)

Feedback

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

**Product Type Features:**

- Product Series = XL
- Connector Type = Header
- Mount Angle = Right Angle
- Mating Type = Blindmate
- PCB Mount Retention = With
- PCB Mount Retention Type = Boardlock(s)
- Guides = With

**Electrical Characteristics:**

- Voltage Rating (Signal) (VAC) = 60
- Voltage Rating (Power) (VDC) = 200

**Termination Features:**

- Termination Style = Solder
- Termination Post Length (mm [in]) = 3.43 [0.135]

**Body Features:**

- Sequencing = No

**Contact Features:**

- Contact Type = Pin
- Contact Material (Power) = High Conductivity Copper
- Contact Material (Signal) = Copper Alloy
- Contact Plating, Mating Area, Material = Gold (30)

**Housing Features:**

- Connector Style = Plug
- Housing Material = High Temperature Thermoplastic
- Centerline, DC Module (mm [in]) = 6.35 [0.250]
- Centerline, Matrix (mm [in]) = 2.54 x 2.54 [.100 x .100]

**Configuration Features:**

- Total Number of DC Power = 6
- Total Number of AC Power = 0
- Total Number of Coax = 0
- Total Number of Signal = 24
- Connector Configuration Orientation = Left-to-Right
- Connector Contact Configuration (No. of Pos./Type) = 3/DC Power, 24/Signal, 3/DC Power

**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

**Operation/Application:**

- Application Use = Board-to-Board

**Other:**

- Brand = AMP
- Comment = For additional configurations available, contact Tyco Electronics.

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