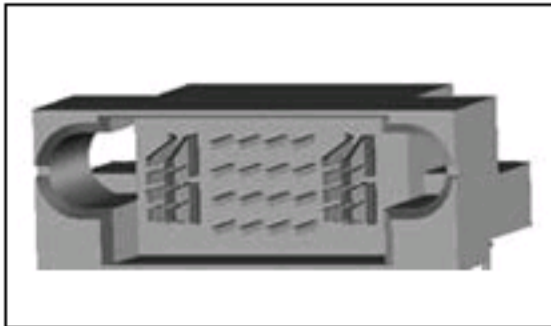


1-6450120-3 Product Details

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1-6450120-3

TE Internal Number: 1-6450120-3

Active

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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](#)

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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)

Related Products:

- [Tooling](#)
- [Mating Products \(1\)](#)

[List all Documents](#)

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

Product Type Features:

- Product Series = XL
- Connector Type = Header
- [Mount Angle](#) = Right Angle
- [Termination Style](#) = Solder
- [Mating Type](#) = Blindmate
- [PCB Mount Retention](#) = With
- Guides = With

Electrical Characteristics:

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

Termination Features:

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

Body Features:

- [Sequencing](#) = No
- [PCB Mount Retention Type](#) = Boardlock(s)
- Connector Configuration Orientation = Left-to-Right
- Centerline, DC Module (mm [in]) = 6.35 [0.250]
- Centerline, Matrix (mm [in]) = 2.54 x 2.54 [.100 x .100]

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

Configuration Features:

- [Total Number of DC Power](#) = 2
- [Total Number of AC Power](#) = 0
- Total Number of Coax = 0
- [Total Number of Signal](#) = 16
- Connector Contact Configuration (No. of Pos./Type) = 1/DC Power, 16/Signal, 1/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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