

1-6450142-3 Product Details

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TE Internal Number: 1-6450142-3

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
- Connector Assembly
- Connector Style = Receptacle
- Contact Type = Socket

[View all Features](#)

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Documentation & Additional Information

Product Drawings:

- [VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL](#) (PDF, English)

Catalog Pages/Data Sheets:

- [2 PIECE POWER CONNECTORS grq_4-1773458-1](#) (PDF, English)

Product Specifications:

- None Available

Application Specifications:

- None Available

Instruction Sheets:

- None Available

CAD Files: ([CAD Format & Compression Information](#))

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

[List all Documents](#)

Related Products:

- [Tooling](#)

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

Product Type Features:

- Product Series = XL
- Connector Type = Connector Assembly
- [Mount Angle](#) = Vertical
- [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 = Right-to-Left
- 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 = Socket
- Contact Material (Power) = High Conductivity Copper
- Contact Material (Signal) = High Conductivity Copper
- Contact Plating, Mating Area, Material = Gold (30)

Housing Features:

- Connector Style = Receptacle
- Housing Material = High Temperature Thermoplastic

Configuration Features:

- [Total Number of DC Power](#) = 6
- [Total Number of AC Power](#) = 0
- Total Number of Coax = 0
- [Total Number of Signal](#) = 20
- Connector Contact Configuration (No. of Pos./Type) = 6/DC Power, 20/Signal

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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