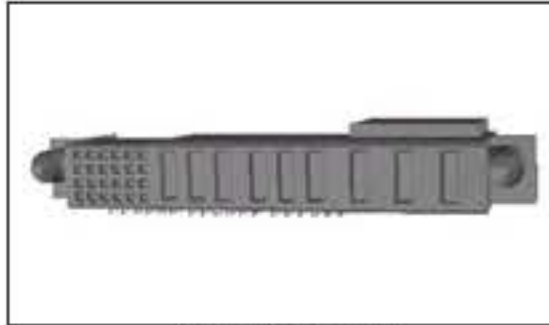




## 6450378-3 Product Details



6450378-3

TE Internal Number: 6450378-3  
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
- Connector Assembly
- Connector Style = Receptacle
- Contact Type = Socket

[View all Features](#)

#### Quick Links

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#### Documentation & Additional Information

##### Product Drawings:

- [RIGHT ANGLE RECEPTACLE ASSEMBLY A/C PASS THRU W/GUID...](#) (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](#) = Right Angle
- [Termination Style](#) = Solder
- [Mating Type](#) = Blindmate
- [PCB Mount Retention](#) = Without
- Guides = With

##### Electrical Characteristics:

- Mating Functionality = Mate First-Break Last
- Voltage Rating (Signal) (VAC) = 60
- Voltage Rating (Power) (VAC) = 300
- Voltage Rating (Power) (VDC) = 200

##### Termination Features:

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

##### Body Features:

- [Sequencing](#) = Yes
- Connector Configuration Orientation = Right-to-Left
- Centerline, DC Module (mm [in]) = 6.35 [0.250]
- Centerline, AC Module (mm [in]) = 7.62 [0.300]
- 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](#) = 3
- Total Number of Coax = 0
- [Total Number of Signal](#) = 24
- Connector Contact Configuration (No. of Pos./Type) = 3/AC Power, 6/DC Power, 24/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 = A/C Pass Thru Version; For additional configurations available, contact Tyco Electronics.

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