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6450851-1 Product Details



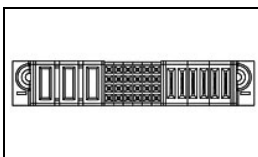
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6450851-1

TE Internal Number: 6450851-1



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MULTI-BEAM XL and MULTI-BEAM XLE Connectors



Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- Product Series = XLE
- Board-to-Board
- Connector Assembly
- Connector Style = Receptacle
- Contact Type = Socket

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Documentation & Additional Information

Product Drawings:

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

Catalog Pages/Data Sheets:

- [2_PIECE_POWER_CONNECTORS_qrg_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 A1)
- [3D Model](#) (IGES, Version A1)
- [3D Model](#) (STEP, Version A1)

[List all Documents](#)

Related Products:

- [Tooling](#)

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

Product Type Features:

- Product Series = XLE
- Connector Type = Connector Assembly
- Mount Angle = Vertical
- Termination Style = Solder
- Mating Type = Blindmate
- PCB Mount Retention = With
- PCB Mount Retention Type = Retention Clip/Post
- 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 = Yes

Contact Features:

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

Housing Features:

- Connector Style = Receptacle
- 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 = 14
- Total Number of AC Power = 0
- Total Number of Coax = 0
- Total Number of Signal = 32
- Connector Configuration Orientation = Right-to-Left
- Mating Functionality = Mate First-Break Last
- Connector Contact Configuration (No. of Pos./Type) = 32/Signal, 14/DC Power

Industry Standards:

- RoHS/ELV Compliance = RoHS compliant, ELV compliant
- Lead Free Solder Processes = Wave solder capable to 260°C, Wave solder capable to 240°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.; No contacts loaded in positions A 4-8, B 4-8, C 4-8, D 4-8, P3, P4, P11 and P 12.

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