



Part Number : [2188470001](#)

Product Description : Universal Serial Bus (USB) Shielded I/O Plug, Type C, Vertical, Surface Mount, 24 Circuits, Gold (Au) Flash Plating

Series Number : 218847

Status : Active

Product Category : I/O Connectors



Documents & Resources

Drawings

[Drawing 2188470001_sd.pdf](#)

[Packaging Design Drawing 2188470001PK-000.pdf](#)

3D Models and Design Files

[3D Model 2188470001_stp.zip](#)

Product Environment Compliance

Compliance

| | |
|--------------------|---|
| GADSL/IMDS | Not Relevant |
| China RoHS | |
| EU ELV | Not Relevant |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2024)4144-DC (27 June 2024) |
| EU RoHS | Compliant per EU 2015/863 |

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474

Part Details

General

| | |
|----------------|---|
| Status | Active |
| Category | I/O Connectors |
| Series | 218847 |
| Description | Universal Serial Bus (USB) Shielded I/O Plug, Type C, Vertical, Surface Mount, 24 Circuits, Gold (Au) Flash Plating |
| Application | Wire-to-Board |
| Component Type | Plug |
| Product Family | USB Connectors: USB Type-A, USB Type-B, and USB Type-C Plugs and Receptacles |
| Product Name | USB 3.2 Gen 1 |
| Type | C |
| UPC | 196823223143 |

Electrical

| | |
|-------------------------------|---|
| Current - Maximum per Contact | 0.25A,1.25A,5.0A, See Product Specification |
| Grounding to Panel | None |
| Shield Type | Full Shield |
| Shielded | Yes |
| Voltage - Maximum | 30V AC/DC |

Physical

| | |
|--------------------------------|-------|
| Circuits (Loaded) | 24 |
| Circuits (maximum) | 24 |
| Color - Resin | Black |
| Durability (mating cycles max) | 10000 |
| Gender | Male |
| Keying to Mating Part | None |
| Lock to Mating Part | No |

| | |
|--------------------------------|--------------------------------|
| Material - Metal | Copper Alloy |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Gold |
| Material - Resin | High Temperature Thermoplastic |
| Mounting Style | Vertical |
| Net Weight | 0.525/g |
| Number of Rows | 2 |
| Orientation | Vertical |
| Packaging Type | Embossed Tape on Reel |
| Panel Mount | Yes |
| PCB Locator | Yes |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 0.80mm |
| Pitch - Mating Interface | 0.50mm |
| Pitch - Termination Interface | 0.50mm |
| Plating min - Mating | 0.025µm |
| Polarized to Mating Part | No |
| Polarized to PCB | Yes |
| Ports | 1 |
| Temperature Range - Operating | -40° to +85°C |
| Termination Interface Style | Surface Mount |

Mates With / Use With

Mates with Part(s)

| Description | Part Number |
|-------------|-----------------------|
| Mates With | USB Type C Receptacle |

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