



Part Number : [2216100001](#)

Product Description : Universal Serial Bus (USB) Shielded I/O Receptacle, Type C, Right-Angle, Top Mount, Surface Mount, 24 Circuits, Gold (Au) Flash Plating

Series Number : 221610

Status : Active

Product Category : I/O Connectors



Documents and Resources

Drawings

[2216100001 sd.pdf](#)

[2216108888-000.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)


Specifications

[2169900001-PS.pdf](#)

[2216100001-000.pdf](#)

Product Environment Compliance

Compliance

| | |
|--------------------|---|
| GADSL/IMDS | Not Relevant |
| China RoHS |  per SJ/T 11365-2006 |
| EU ELV | Not Relevant |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2025)7771-DC (04 Feb 2026) |
| EU RoHS | Compliant per EU 2015/863 |

[Compliance Statements](#)

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

| | |
|----------------|---|
| Status | Active |
| Category | I/O Connectors |
| Series | 221610 |
| Description | Universal Serial Bus (USB) Shielded I/O Receptacle, Type C, Right-Angle, Top Mount, Surface Mount, 24 Circuits, Gold (Au) Flash Plating |
| Application | Wire-to-Board |
| Component Type | Receptacle |
| Product Name | USB |
| Standard | USB 3.2 Gen 1 |
| Type | C |
| UPC | 196823223136 |

Electrical

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

Physical

| | |
|--------------------------------|--------------------------------|
| Circuits (Loaded) | 24 |
| Circuits (maximum) | 24 |
| Color - Resin | Black |
| Durability (mating cycles max) | 10000 |
| Gender | Female |
| Keying to Mating Part | No |
| Lock to Mating Part | No |
| Material - Metal | Copper Alloy |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Gold |
| Material - Resin | High Temperature Thermoplastic |
| Mounting Style | Top-Mount |
| Net Weight | 0.510/g |
| Number of Rows | 2 |
| Orientation | Right Angle |
| Packaging Type | Embossed Tape on Reel |
| Panel Mount | Yes |
| PCB Locator | Yes |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 0.60mm |
| 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 Plug/Cable |

This document was generated on Apr 15, 2026