



**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



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## Documents & Resources

### Drawings

[Drawing 2216100001\\_sd.pdf](#)

[Packaging Design Drawing 2216108888-000.pdf](#)

### 3D Models and Design Files

[3D Model 2216100001\\_stp.zip](#)

### Specifications

[Product Specification 2169900001-PS.pdf](#)

[Test Summary 2216100001-000.pdf](#)

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## 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
- chemSHERPA (xml)

EU RoHS Certificate of Compliance

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## 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 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	196823223136

### 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	Female

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	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

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
Mates With	USB Type C Plug/Cable