



Part Number : [2171780001](#)
Product Description : Universal Serial Bus (USB) Shielded I/O Receptacle, Type C, Vertical, Surface Mount, Height 6.50mm, 6 Circuits, Gold (Au) Plating
Series Number : 217178
Status : Active
Product Category : I/O Connectors



Documents & Resources

Drawings
[Drawing 2171780001_sd.pdf](#)
[Packaging Design Drawing 2171780001-PK1.pdf](#)

3D Models and Design Files
[3D Model 2171780001_stp.zip](#)

Specifications
[Product Specification 2171750001-PS.pdf](#)

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(2023)3788-DC (14 Jun 2023)
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

Part Details

General

Status	Active
Category	I/O Connectors
Series	217178
Description	Universal Serial Bus (USB) Shielded I/O Receptacle, Type C, Vertical, Surface Mount, Height 6.50mm, 6 Circuits, Gold (Au) 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
Standard	USB 2.0
Type	C
UPC	195842116849

Electrical

Current - Maximum per Contact	1.25A
Grounding to Panel	None
Shield Type	Full Shield
Shielded	Yes
Voltage - Maximum	30V AC/DC

Physical

Circuits (Loaded)	6
Circuits (maximum)	6
Color - Resin	Black
Durability (mating cycles max)	10000
Gender	Female

Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Resin	Nylon
Mounting Style	Vertical
Net Weight	0.452/g
Number of Rows	1
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	No
Temperature Range - Operating	-40° to +85°C
Termination Interface Style	Surface Mount
Waterproof / Dustproof	No

Mates With / Use With

Mates with Part(s)

Description	Part Number
USB Shielded I/O Type C Plugs	<u>105444</u>