Part Number : 2178040001

Product Description : Universal Serial Bus (USB) Shielded I/O Receptacle, Type C, 24 Pin, Right-Angle, Top Mount, Surface Mount, Waterproof

Series Number : 217804

Status : Active

Product Category : I/O Connectors

Documents & Resources

Drawings

Drawing_2178040001_sd.pdf

Packaging Design Drawing_2178040001-PK0.pdf

3D Models and Design Files

3D Model_2178040001_stp.zip

Specifications

Product Specification_2178040001-000.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)8585-DC (23 Jan 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

Part Details

General

Status	Active
Category	I/O Connectors
Series	217804
Description	Universal Serial Bus (USB) Shielded I/O Receptacle, Type C, 24 Pin, Right-Angle, Top Mount, Surface Mount, Waterproof
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 3.2
Type	C
UPC	195842208315

Electrical

Current - Maximum per Contact	5.0A
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
Gender	Female
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Copper Alloy

Material - Plating Mating	Gold
Material - Plating Termination	Nickel
Material - Resin	High Temperature Thermoplastic
Mounting Style	Top-Mount
Net Weight	0.546/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	0.80mm
Pitch - Mating Interface	0.50mm
Pitch - Termination Interface	0.50mm
Polarized to Mating Part	No
Polarized to PCB	Yes
Temperature Range - Operating	-40° to +85°C
Termination Interface Style	Surface Mount
Waterproof / Dustproof	Yes
Waterproof / Dustproof Type	IPx8

Mates With / Use With

Mates with Part(s)

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