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 and Resources

Drawings

2178040001_sd.pdf

2178040001-PK0.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

Specifications

2178040001-000.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

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- 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	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
IEC Compliance	62680-1-3:2022, 62680-1-2:2022
Product Name	USB
Standard	USB 3.2 Gen 2
Type	C
UPC	195842208315
USB-IF/TID	7656

Electrical

Current - Maximum per Contact	5.0A
Grounding to Panel	No
Shielded	Yes
Shield Type	Full Shield
Voltage - Maximum	30V AC/DC

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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	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

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