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Part Number: [2178040001](#)

Status: **Active**

Overview: USB Connectors: USB Type-A, USB Type-B, and USB Type-C Plugs and Receptacles

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

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

[3D Model \(PDF\)](#)

[Product Specification 2178040001-000 \(PDF\)](#)

[Packaging Specification 2178040001-PK0 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	I/O Connectors
Series	217804
Application	Wire-to-Board
Component Type	Receptacle
Overview	USB Connectors: USB Type-A, USB Type-B, and USB Type-C Plugs and Receptacles
Product Name	USB
Standard	USB 3.2
Taxonomy	I/O Connectors
Type	C
UPC	195842208315

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
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	0.80mm
Packaging Type	Embossed Tape on Reel
Panel Mount	Yes
Pitch - Mating Interface	0.50mm
Pitch - Termination Interface	0.50mm
Polarized to Mating Part	No
Polarized to PCB	Yes
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40° to +85°C
Termination Interface: Style	Surface Mount
Waterproof / Dustproof	Yes
Waterproof / Dustproof Type	IPx8

Electrical

Current - Maximum per Contact	5.0A
Grounding to Panel	None



Series image - Reference only

EU ELV

Not Reviewed

EU RoHS

Not Reviewed

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

For more information, please visit [Contact US](#)

China ROHS

Not Reviewed

ELV

Not Reviewed

RoHS Phthalates

Not Reviewed

Search Parts in this Series

[217804 Series](#)

Mates With

USB Type-C Plug [105444](#)

Shield Type	Full Shield
Shielded	Yes
Voltage - Maximum	30V AC/DC

Material Info

Reference - Drawing Numbers

Packaging Specification	2178040001-PK0
Product Specification	2178040001-000
Sales Drawing	2178040001-000

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