

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [2171820001](#)
Status: **Active**
Overview: [USB Products and Solutions](#)
Description: Universal Serial Bus (USB) Shielded I/O Receptacle, Type C, Vertical, Surface Mount, Height 6.40mm, 16 Circuits, Gold (Au) Plating

Documents:

3D Model	Packaging Specification 2171820001-000 (PDF)
3D Model (PDF)	Datasheet (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification 2169900001-PS (PDF)	



General

Product Family	I/O Connectors
Series	217182
Application	Wire-to-Board
Component Type	Receptacle
Overview	USB Products and Solutions
Product Name	USB
Standard	USB 2.0
Type	C
UPC	195842116917

Physical

Circuits (Loaded)	16
Circuits (maximum)	16
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	Liquid Crystal Polymer
Mounting Style	Vertical
Net Weight	0.511/g
Number of Rows	2
Orientation	Vertical
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
Plating min - Mating	0.025µm
Polarized to Mating Part	No
Polarized to PCB	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40° to +85°C
Termination Interface: Style	Surface Mount
Waterproof / Dustproof	No

Electrical

Current - Maximum per Contact	1.25A
Grounding to Panel	None
Shield Type	Full Shield

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2020)9139-DC (19
Jan 2021)

Halogen-Free

Status

Low-Halogen

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

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[217182](#) Series

Mates With

USB Type C Plug/Cable

Shielded
Voltage - Maximum

Yes
30V AC/DC

Material Info

Reference - Drawing Numbers

Packaging Specification	2171820001-000
Product Specification	2169900001-PS
Sales Drawing	2171820001-000

This document was generated on 08/19/2021

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION