

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [1054500101](#)
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, Right-Angle, Top Mount, Surface Mount, Gold (Au) Flash over 0.76µm Palladium Nickel Plating

Documents:

3D Model	Packaging Specification PK-105450-001-000 (PDF)
Drawing (PDF)	Datasheet (PDF)
3D Model (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-105448-001-001 (PDF)	



General

Product Family	I/O Connectors
Series	105450
Application	Wire-to-Board
Comments	Nickel underplating
Component Type	Receptacle
Overview	USB Connectors: USB Type-A, USB Type-B, and USB Type-C Plugs and Receptacles
Product Name	USB
Standard	USB 3.1
Taxonomy	I/O Connectors
Type	C
UPC	889056497121

Physical

Circuits (Loaded)	24
Circuits (maximum)	24
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 over Palladium Nickel
Material - Plating Termination	Gold
Material - Resin	High Temperature Thermoplastic
Mounting Style	Top-Mount
Net Weight	0.539/g
Number of Rows	2
Orientation	Right Angle
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	0.70mm, 0.80mm
Packaging Type	Embossed Tape on Reel
Panel Mount	Yes
Pitch - Mating Interface	0.50mm
Pitch - Termination Interface	0.50mm
Plating min - Mating	0.051µm (Au), 0.762µm (PdNi)
Plating min - Termination	0.051µm
Polarized to Mating Part	No
Polarized to PCB	Yes
Ports	1
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-30° to +85°C
Termination Interface: Style	Surface Mount

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
June 2022)

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

[105450 Series](#)

Mates With

USB Type C Plug/Cable

Waterproof / Dustproof	No
Electrical	
Current - Maximum per Contact	0.25A,1.25A,5.0A, See Product Specification
Grounding to Panel	None
Shield Type	Full Shield
Shielded	Yes
Voltage - Maximum	30V AC/DC

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-105450-001-000
Product Specification	PS-105448-001-001
Sales Drawing	SD-105450-001-000

This document was generated on 12/09/2022

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION