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Part Number: [1054500101](#)
Status: **Active**
Overview: USB Products and Solutions
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 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-105448-001-001 \(PDF\)](#)

General

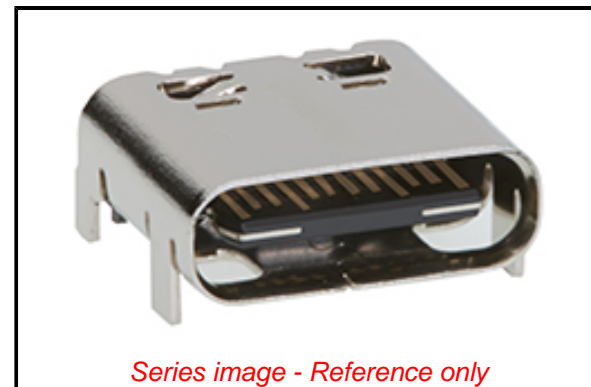
Product Family	I/O Connectors
Series	105450
Application	Wire-to-Board
Comments	Nickel underplating
Component Type	Receptacle
Overview	USB Products and Solutions
Product Name	USB 3.1
Type	C
UPC	889056497121

Physical

Circuits (Loaded)	24
Circuits (maximum)	24
Color - Resin	Black
Durability (mating cycles max)	10000
Gender	Receptacle
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
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

Electrical

Current - Maximum per Contact	0.25A, 1.25A, 5.0A
Grounding to Panel	None
Shield Type	Full Shield



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
ED/61/2018 (27 June
2018)

Halogen-Free

Status

Low-Halogen

**Need more information on product
environmental compliance?**

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any
non-product compliance questions.

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[105450](#) Series

Mates With

USB Type C Plug/Cable

Shielded
Voltage - Maximum

Yes
30V AC/DC

Material Info

Reference - Drawing Numbers

Packaging Specification
Product Specification
Sales Drawing

PK-105450-001-000
PS-105448-001-001
SD-105450-001-000

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