

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**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**

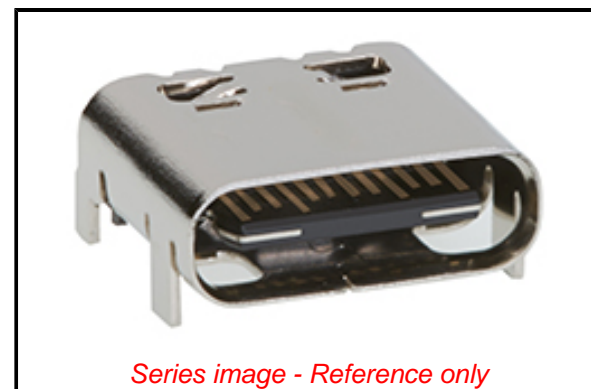
Product Family	I/O Connectors
Series	<a href="#">105450</a>
Application	Wire-to-Board
Comments	Nickel underplating, Nickel underplating
Component Type	Receptacle
Datasheet Order No	987651-4081
Overview	<a href="#">USB Products and Solutions</a>
Product Name	USB 3.1
Type	C
UPC	889056497121

**Physical**

Circuits (Loaded)	24
Circuits (maximum)	24
Color - Resin	Black
Durability (mating cycles max)	10000
Gender	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
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, See Product Specification
Grounding to Panel	None



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ED/71/2019 (16 July  
2019)

**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

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

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