



**Part Number :** [1054550101](#)

**Product Description :** Universal Serial Bus (USB) Shielded I/O Receptacle, Type C, Right-Angle, Mid-Mount, Surface Mount, Gold (Au) Flash over 0.75µm Palladium Nickel Plating, 0.70mm Solder Tab, Paper Reel

**Series Number :** 105455

**Status :** Active

**Product Category :** I/O Connectors



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## Documents and Resources

### Drawings

[1054550101\\_sd.pdf](#)

[PK-105455-001-000.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)


### Specifications

[PS-105448-001-001.pdf](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Compliant with Exemption 33
China RoHS	 per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)7771-DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

### Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

### Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

### Substances of Interest

- PFAS

### EU RoHS Certificate of Compliance

### Additional Product Compliance Information

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## Part Details

### General

Status	Active
Category	I/O Connectors
Series	105455
Description	Universal Serial Bus (USB) Shielded I/O Receptacle, Type C, Right-Angle, Mid-Mount, Surface Mount, Gold (Au) Flash over 0.75µm Palladium Nickel Plating, 0.70mm Solder Tab, Paper Reel
Application	Wire-to-Board
Component Type	Receptacle
Product Name	USB
Standard	USB 3.2 Gen 2
Type	C
UPC	889056733250

### Electrical

Current - Maximum per Contact	0.25A,1.25A,5.0A, See Product Specification
Grounding to Panel	None
Shielded	Yes

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

## Physical

Circuits (Loaded)	24
Circuits (maximum)	24
Color - Resin	Black
Durability (mating cycles max)	10000
Gender	Female
Keying to Mating Part	No
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	Mid-Mount
Net Weight	0.530/g
Number of Rows	2
Orientation	Right Angle
Packaging Type	Embossed Tape on Reel
Panel Mount	Yes
PCB Locator	Yes
PCB Retention	No
PCB Thickness - Recommended	0.60mm, 0.70mm, 0.80mm
Pitch - Mating Interface	0.50mm
Pitch - Termination Interface	0.50mm
Plating min - Mating	0.051µm (Au), 0.750µm (PdNi)
Plating min - Termination	0.051µm
Polarized to Mating Part	No
Polarized to PCB	Yes
Ports	1
Temperature Range - Operating	-30° to +85°C
Termination Interface Style	Surface Mount
Waterproof / Dustproof	No

## Mates With / Use With

### Mates with Part(s)

Description	Part Number
Universal Serial Bus (USB) Shielded I/O Plug, Type C, Right- Angle, Surface Mount, 0.76µm Gold (Au) Plating, Tray	<u>1054440001</u>
Universal Serial Bus (USB) Shielded I/O Plug, Type C, Right- Angle, Surface Mount, 0.76µm Gold (Au) Plating, Tape and Reel	<u>1054440011</u>

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