



**Part Number :** [1054500101](#)  
**Product Description :** Universal Serial Bus (USB)  
Shielded I/O Receptacle, Type C, Right-Angle, Top  
Mount, Surface Mount, 0.80mm Solder Tabs, Gold (Au)  
Flash over 0.76µm Palladium Nickel Plating  
**Series Number :** 105450  
**Status :** Active  
**Product Category :** I/O Connectors



## Documents & Resources

### Drawings

[1054500101 sd.pdf](#)  
[PK-105450-001-000.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)  
[SOLIDWORKS](#)  
[Creo](#)  
[Symbol and Footprint \(Multi-Format\)](#)

### Specifications

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

## Product Environment Compliance

### Compliance

|                    |                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                                                 |
| China RoHS         | <br>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)4165-DC<br>(25 June 2025)                                                           |
| 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

## Part Details

### General

|                |                                                                                                                                                                             |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                                                                      |
| Category       | I/O Connectors                                                                                                                                                              |
| Series         | 105450                                                                                                                                                                      |
| Description    | Universal Serial Bus (USB) Shielded I/O Receptacle, Type C, Right-Angle, Top Mount, Surface Mount, 0.80mm Solder Tabs, Gold (Au) Flash over 0.76µm Palladium Nickel Plating |
| Application    | Wire-to-Board                                                                                                                                                               |
| Component Type | Receptacle                                                                                                                                                                  |
| Product Name   | USB                                                                                                                                                                         |
| Standard       | USB 3.2 Gen 2                                                                                                                                                               |
| Type           | C                                                                                                                                                                           |
| UPC            | 889056497121                                                                                                                                                                |

### 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          | 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                    |
| Packaging Type                 | Embossed Tape on Reel          |
| Panel Mount                    | Yes                            |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| PCB Thickness - Recommended    | 0.80mm                         |
| 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                              |
| Temperature Range - Operating  | -30° to +85°C                  |
| Termination Interface Style    | Surface Mount                  |
| Waterproof / Dustproof         | No                             |

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## 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> |