

**Part Number :** [2188470001](#)

**Product Description :** Universal Serial Bus (USB)  
Shielded I/O Plug, Type C, Vertical, Surface Mount, 24  
Circuits, Gold (Au) Flash Plating

**Series Number :** 218847

**Status :** Active

**Product Category :** I/O Connectors



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## Documents and Resources

### Drawings

[2188470001\\_sd.pdf](#)

[2188470001PK-000.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

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

### Specifications

[1054440001-000.pdf](#)

[2188470001TS-000.pdf](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
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	218847
Description	Universal Serial Bus (USB) Shielded I/O Plug, Type C, Vertical, Surface Mount, 24 Circuits, Gold (Au) Flash Plating
Application	Wire-to-Board
Component Type	Plug
Product Name	USB
Standard	USB 3.2 Gen 1
Type	C
UPC	196823223143

### 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
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Circuits (maximum)	24
Color - Resin	Black
Durability (mating cycles max)	10000
Gender	Male
Keying to Mating Part	No
Lock to Mating Part	No
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	High Temperature Thermoplastic
Mounting Style	Vertical
Net Weight	0.525/g
Number of Rows	2
Orientation	Vertical
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	0.025µm
Polarized to Mating Part	No
Polarized to PCB	Yes
Ports	1
Temperature Range - Operating	-40° to +85°C
Termination Interface Style	Surface Mount

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
Mates With	USB Type C Receptacle