**Part Number :** 2171760001
**Product Description :** Universal Serial Bus (USB) Shielded I/O Receptacle, Type C, Right-Angle, Surface Mount, Top Mount, Waterproof IPx5, 6 Circuits, Gold (Au) Plating
**Series Number :** 217176
**Status :** Active
**Product Category :** I/O Connectors



## Documents and Resources

### Drawings

2171760001_sd.pdf

2171760001-PK1.pdf

### 3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

### Specifications

2171760001-PS.pdf

## 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

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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 | 217176 |
| Description | Universal Serial Bus (USB) Shielded I/O Receptacle, Type C, Right-Angle, Surface Mount, Top Mount, Waterproof IPx5, 6 Circuits, Gold (Au) Plating |
| Application | Wire-to-Board |
| Component Type | Receptacle |
| Product Name | USB |
| Standard | USB 2.0 |
| Type | C |
| UPC | 195842116825 |

### Electrical

| | |
|---|---|
| Current - Maximum per Contact | 1.25A |
| Grounding to Panel | None |
| Shielded | Yes |
| Shield Type | Full Shield |
| Voltage - Maximum | 30V AC/DC |

### Physical

| | |
|---|---|
| Circuits (Loaded) | 6 |

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| | |
|---|---|
| Circuits (maximum) | 6 |
| 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 |
| Material - Resin | Liquid Crystal Polymer (LCP) |
| Mounting Style | Top-Mount |
| Net Weight | 0.776/g |
| Number of Rows | 1 |
| 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 | 0.025µm |
| Polarized to Mating Part | No |
| Polarized to PCB | No |
| Temperature Range - Operating | -40° to +85°C |
| Termination Interface Style | Surface Mount |
| Waterproof / Dustproof | Yes |
| Waterproof / Dustproof Type | IPx5 |

## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| USB Shielded I/O Type C Plugs | 105444 |



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