**Part Number :** 428788408
**Product Description :** Modular Jack, Vertical, Low Profile, 8/8, Panel Stops
**Series Number :** 42878
**Status :** Active
**Product Category :** Modular Jacks and Plugs



## Documents & Resources

### Drawings

428788408_sd.pdf

PK-42878-492-001.pdf

### 3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

### Specifications

PS-42878-001.pdf

TS-42878-001-001.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Compliant with Exemption 44; 34; 33 |
| China RoHS | per SJ/T 11365-2006 |
| EU ELV | Not Relevant |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2025)4165-DC (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

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## Part Details

### General

| | |
|---|---|
| Status | Active |
| Category | Modular Jacks and Plugs |
| Series | 42878 |
| Description | Modular Jack, Vertical, Low Profile, 8/8, Panel Stops |
| Comments | Flush Mount, Flangeless, 2 PCB Thick |
| Component Type | PCB Jack |
| Magnetic | No |
| Performance Category | 3 |
| Power over Ethernet (PoE) | N/A |
| Product Name | Modular Jack 8/8,RJ45 |
| UPC | 800754383219 |

### Agency

| | |
|---|---|
| CSA | LR19980 |
| UL | E107635 |

### Electrical

| | |
|---|---|
| Current - Maximum per Contact | 1.5A |
| Grounding to Panel | None |

| | |
|---|---|
| Grounding to PCB | No |
| Shielded | No |
| Voltage - Maximum | 150V AC (RMS) |

**Physical**

| | |
|---|---|
| Boot Color | N/A |
| Color - Resin | Black |
| Durability (mating cycles max) | 500 |
| Flammability | 94V-0 |
| Inverted / Top Latch | N/A |
| Jack Height | 12.70mm |
| Keying to Mating Part | None |
| Lightpipes/LEDs | None |
| Material - Metal | Phosphor Bronze |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | Polyester |
| Net Weight | 2.200/g |
| Orientation | Vertical (Top Entry) |
| Packaging Type | Tray |
| Panel Mount | With Flange |
| PCB Locator | Yes |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 1.57mm |
| Pitch - Mating Interface | 1.02mm |
| Pitch - Termination Interface | 1.27mm |
| Plating min - Mating | 1.270µm |
| Plating min - Termination | 2.540µm |
| Port Configuration | 1x1 |
| Positions / Loaded Contacts | 8/8 |
| Temperature Range - Operating | -40° to +85°C |
| Termination Interface Style | Through Hole |
| Waterproof / Dustproof | No |
| Wire/Cable Type | N/A |

### Solder Process Data

| | |
|---|---|
| Max-Duration | 5 |
| Lead-Free Process Capability | WAVE |
| Max-Cycle | 1 |
| Max-Temp | 235 |

## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| Mates With | FCC 68 Plugs |