**Part Number :** 480250002
**Product Description :** Modular Jack, Right-Angle, 10/100, with Integrated Magnetic and LED, 8/8, Tail Length 2.80mm for IR Reflow, Lead-Free
**Series Number :** 48025
**Status :** Active
**Product Category :** Modular Jacks and Plugs



## Documents and Resources

### Drawings

480250002_sd.pdf

PK-48025-001-001.pdf

### 3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

### Specifications

PS-48025-004-001.pdf

TS-48025-006-001.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Not Relevant |
| China RoHS | per SJ/T 11365-2006 |
| EU ELV | Not Relevant |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Contains Lead per D(2025)7771-DC (04 Feb 2026) |
| EU RoHS | Compliant with Exemption 7(c)-I per EU 2015/863 |

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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 | 48025 |
| Description | Modular Jack, Right-Angle, 10/100, with Integrated Magnetic and LED, 8/8, Tail Length 2.80mm for IR Reflow, Lead-Free |
| Comments | With Lightpipes, Tail Length: 2.80mm |
| Component Type | PCB Jack |
| Keyword | MagJack, Mag Jack, Magnetic Jack, MagJacks, Mag Jacks, Magnetic Jacks, Mag-Jack |
| Magnetic | Yes |
| Performance Category | 5, 5e |
| Power over Ethernet (PoE) | Non-PoE |
| Product Name | Magnetic Jack,RJ45 |
| UPC | 822350301671 |

### Agency

| | |
|---|---|
| CSA | LR19980 |

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| | |
|---|---|
| UL | E107635 |

## Electrical

| | |
|---|---|
| Current - Maximum per Contact | 1.5A |
| Grounding to Panel | Panel Ground Tab |
| Grounding to PCB | Yes |
| Shielded | Yes |
| Voltage - Maximum | 150V AC (RMS) |

## Physical

| | |
|---|---|
| Boot Color | N/A |
| Color - Resin | Black |
| Durability (mating cycles max) | 750 |
| Flammability | 94V-0 |
| Inverted / Top Latch | Yes |
| Jack Height | 13.30mm |
| Keying to Mating Part | Yes |
| Lightpipes/LEDs | LEDs |
| Material - Metal | Brass, Phosphor Bronze |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 7.000/g |
| Orientation | Right Angle (Side Entry) |
| Packaging Type | Tray |
| PCB Locator | Yes |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 1.60mm |
| Pitch - Mating Interface | 1.02mm |
| Pitch - Termination Interface | 1.27mm |
| Port Configuration | 1x1 |
| Positions / Loaded Contacts | 8/8 |
| Temperature Range - Operating | -40° to +70°C |
| Termination Interface Style | Through Hole |
| Waterproof / Dustproof | No |

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| | |
|---|---|
| Wire/Cable Type | N/A |

### Solder Process Data

| | |
|---|---|
| Max-Duration | 3 |
| Lead-Free Process Capability | REFLOW |
| Max-Cycle | 2 |
| Max-Temp | 260 |

## Mates With / Use With

### Mates with Part(s)

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



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