# molex®
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**Part Number:** 0424108312

**Status:** Active

**Overview:** Magnetic and Modular Jacks/Plugs

**Description:** Modular Jack, Vertical, 8/8, Panel Stops

*Series image - Reference only*

## Documents:

| | |
|---|---|
| 3D Model (PDF) | Packaging Specification PK-42410-492-001 (PDF) |
| 3D Model | Test Summary TS-42878-001-001 (PDF) |
| Drawing (PDF) | RoHS Certificate of Compliance (PDF) |
| Product Specification PS-42410-001 (PDF) | |

## Agency Certification

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

## General

| | |
|---|---|
| Product Family | Modular Jacks/Plugs |
| Series | 42410 |
| Comments | Flush Mount\|Flangeless\|2 PCB Thick |
| Component Type | PCB Jack |
| Magnetic | No |
| Overview | Magnetic and Modular Jacks/Plugs |
| Performance Category | 3 |
| Power over Ethernet (PoE) | N/A |
| Product Name | Modular Jack 8/8, RJ45 |
| UPC | 800754381116 |

## Physical

| | |
|---|---|
| Color - Resin | Black |
| Durability (mating cycles max) | 500 |
| Flammability | 94V-0 |
| Inverted / Top Latch | N/A |
| Jack Height | 16.38mm |
| Lightpipes/LEDs | None |
| Material - Metal | Phosphor Bronze |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | Polyester |
| Net Weight | 2.726/g |
| Orientation | Vertical (Top Entry) |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 1.60mm |
| Packaging Type | Tray |
| 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 |
| Surface Mount Compatible (SMC) | No |
| Temperature Range - Operating | -40° to +80°C |
| Termination Interface: Style | Through Hole |
| Wire/Cable Type | N/A |

## Electrical

| | |
|---|---|
| Current - Maximum per Contact | 1.5A |
| Shielded | No |

**EU ELV**
**Not Relevant**

**EU RoHS**      **China RoHS**
**Compliant**
**REACH SVHC**
Not Contained Per -
D(2021)4569-DC (8
July 2021)
**Halogen-Free**
**Status**
**Not Low-Halogen**
For more information, please visit Contact US

| | |
|---|---|
| China ROHS | Green Image |
| ELV | Not Relevant |
| RoHS Phthalates | Not Contained |

**Search Parts in this Series**
42410 Series

**Mates With**
FCC 68 Plugs

| Voltage - Maximum | 125V |
|---|---|

**Solder Process Data**

| | |
|---|---|
| Duration at Max. Process Temperature (seconds) | 005 |
| Lead-freeProcess Capability | WAVE |
| Max. Cycles at Max. Process Temperature | 001 |
| Process Temperature max. C | 235 |

**Material Info**

**Reference - Drawing Numbers**

| | |
|---|---|
| Packaging Specification | PK-42410-492-001 |
| Product Specification | PS-42410-001 |
| Sales Drawing | SDA-42410-XXXX-001 |
| Test Summary | TS-42878-001-001 |

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