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Part Number: [0424108312](#)
Status: **Active**
Overview: [Magnetic and Modular Jacks and Plugs](#)
Description: [Modular Jack, Vertical, 8/8, Panel Stops](#)

Documents:

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

Agency Certification

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

General

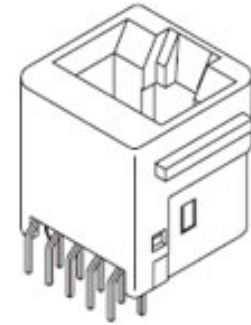
| | |
|---------------------------|--|
| Product Family | Modular Jacks/Plugs |
| Series | 42410 |
| Comments | Flush Mount Flangeless 2 PCB Thick |
| Component Type | PCB Jack |
| Magnetic | No |
| Overview | Magnetic and Modular Jacks and Plugs |
| Performance Category | 3 |
| Power over Ethernet (PoE) | 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 |
| Ports | 1 |
| Positions / Loaded Contacts | 8/8 |
| Surface Mount Compatible (SMC) | No |
| Temperature Range - Operating | -40°C to +80°C |
| Termination Interface: Style | Through Hole |
| Wire/Cable Type | N/A |

Electrical

| | |
|-------------------------------|------|
| Current - Maximum per Contact | 1.5A |
| Shielded | No |
| Voltage - Maximum | 125V |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
-ED/01/2018 (15
January 2018)

Halogen-Free

Status

Not Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[42410 Series](#)

Mates With

FCC 68 Plugs

Solder Process Data

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

Material Info**Reference - Drawing Numbers**

| | |
|-------------------------|--------------------------------|
| Packaging Specification | PK-42410-492 |
| Product Specification | PS-42410-001, TS-42878-001-001 |
| Sales Drawing | SDA-42410-**** |

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