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**Part Number:** [0424108890](#)  
**Status:** **Active**  
**Overview:** [Modular Jacks and Plugs](#)  
**Description:** Modular Jack, Vertical, 8/4

**Documents:**

[3D Model](#) [Packaging Specification PK-42410-492 \(PDF\)](#)  
[Drawing \(PDF\)](#) [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 [Modular Jacks and Plugs](#)  
 Performance Category 3  
 Power over Ethernet (PoE) N/A  
 Product Name RJ45  
 UPC 800754381246

**Physical**

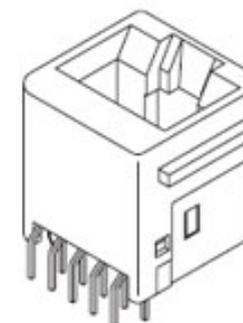
Color - Resin Black  
 Durability (mating cycles max) 500  
 Flammability 94V-0  
 Inverted / Top Latch N/A  
 Jack Height 16.38mm  
 Lightpipes/LEDs None  
 Material - Metal Phosphor Bronze  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin Polyester  
 Net Weight 2.504/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  
 Ports 1  
 Positions / Loaded Contacts 8/4  
 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

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 005  
 Lead-free Process Capability WAVE



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
 ED/21/2016 (20 June  
 2016)

**Halogen-Free**

**Status**

**Not Low-Halogen**

**Need more information on product  
 environmental compliance?**

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

China ROHS  
 ELV

Green Image  
 Not Relevant

**Search Parts in this Series**

[42410 Series](#)

**Mates With**

FCC 68 Plugs

Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	235

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification	PK-42410-492
Sales Drawing	SDA-42410-****

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