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**Part Number:** [42410-9418](#)  
**Status:** **Active**  
**Overview:** [Modular Plugs - Jacks](#)  
**Description:** Modular Jack, Vertical, 8/2, Keyed

**Documents:**

[3D Model](#) [Test Summary TS-42878-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-42410 \(PDF\)](#)

**General**

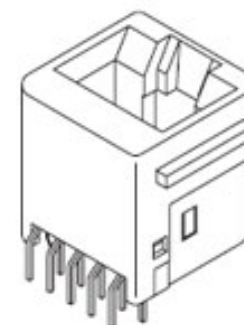
Product Family	Modular Jacks/Plugs
Series	<a href="#">42410</a>
Component Type	PCB Jack
Magnetic	No
Overview	<a href="#">Modular Plugs - Jacks</a>
Performance Category	3
Power over Ethernet (PoE)	N/A
Product Name	RJ45
UPC	800753822054

**Physical**

Boot Color	N/A
Color - Resin	Black
Durability (mating cycles max)	500
Inverted / Top Latch	N/A
Jack Height	16.38mm
Keying to Mating Part	Yes
Lightpipes/LEDs	None
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Polyester
Orientation	Vertical (Top Entry)
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	3.18mm
Packaging Type	Tray
Panel Mount	With Flange
Pitch - Mating Interface	1.02mm
Pitch - Termination Interface	1.27mm
Ports	1
Positions / Loaded Contacts	8/2
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Through Hole
Waterproof / Dustproof	No
Wire/Cable Type	N/A

**Electrical**

Current - Maximum per Contact	1.5A
Grounding to PCB	No
Grounding to Panel	None
Shielded	No
Voltage - Maximum	150V AC (RMS)



*image - Reference only*

*Series*

**EU RoHS**

**ELV and RoHS  
Compliant**

**REACH SVHC**

Not Reviewed

**Low-Halogen Status**

**Not Reviewed**

**China RoHS**



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Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of  
 Compliance, [click here](#)

Please visit the [Contact Us](#) section for any  
 non-product compliance questions.

**Search Parts in this Series**

[42410Series](#)

**Solder Process Data**

Duration at Max. Process Temperature (seconds)	5
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	235

**Material Info****Reference - Drawing Numbers**

Product Specification	PS-42410
Test Summary	TS-42878-001

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