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**Part Number:** **0424109082**  
**Status:** **Active**  
**Overview:** Modular Jacks and Plugs  
**Description:** Modular Jack, Vertical, 8/4

**Documents:**

<a href="#">3D Model</a>	<a href="#">Product Specification TS-42878-001-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification PK-42410-492 (PDF)</a>
<a href="#">Product Specification PS-42410-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

CSA	LR19980
UL	E107635

**General**

Product Family	Modular Jacks/Plugs
Series	<u>42410</u>
Comments	Flush Mount Flangeless 2 PCB Thick
Component Type	PCB Jack
Magnetic	No
Overview	<u>Modular Jacks and Plugs</u>
Performance Category	3
Power over Ethernet (PoE)	N/A
Product Name	RJ45
UPC	800753820838

**Physical**

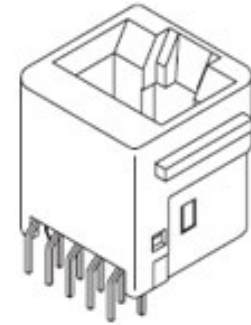
Color - Resin	Black
Durability (mating cycles max)	500
Flammability	94V-0
Inverted / Top Latch	N/A
Jack Height	16.38mm
Lightpipes/LEDs	None
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Polyester
Orientation	Vertical (Top Entry)
PCB Retention	Yes
PCB Thickness - Recommended	3.20mm
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**

**Not Reviewed**

**REACH SVHC**

Not Reviewed

**Halogen-Free**

**Status**

**Not Reviewed**

**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

Not Reviewed

ELV

Not Relevant

RoHS Phthalates

Not Reviewed

**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
Product Specification	PS-42410-001, TS-42878-001-001

This document was generated on 01/17/2017

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