



Part Number : [424106170](#)

Product Description : Modular Jack, Vertical, 6/6

Series Number : 42410

Status : Active

Product Category : Modular Jacks and Plugs



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## Documents & Resources

### Drawings

[Drawing 424106170\\_sd.pdf](#)

[Packaging Design Drawing PK-42410-492-001.pdf](#)

### 3D Models and Design Files

[3D Model 424106170\\_stp.zip](#)

### Specifications


[Product Specification PS-42410-001.pdf](#)

[Test Summary TS-42878-001-001.pdf](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)3788-DC (14 Jun 2023)
EU RoHS	Compliant per EU 2015/863

### Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

### Multiple Part Industry Compliance Documents

- IPC 1752A Class C

- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

EU RoHS Certificate of Compliance

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## Part Details

### General

Status	Active
Category	Modular Jacks and Plugs
Series	42410
Description	Modular Jack, Vertical, 6/6
Comments	Flush Mount, Flangeless, 2 PCB Thick
Component Type	PCB Jack
Magnetic	No
Performance Category	3
Power over Ethernet (PoE)	N/A
Product Family	Magnetic and Modular Jacks/Plugs
Product Name	Modular Jack 6/6
UPC	800754250016

### Agency

CSA	LR19980
UL	E107635

### Electrical

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

### 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	2.349/g
Orientation	Vertical (Top Entry)
Packaging Type	Tray
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
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	6/6
Temperature Range - Operating	-40° to +80°C
Termination Interface Style	Through Hole
Wire/Cable Type	N/A

### Solder Process Data

Max-Duration	5
Lead-Free Process Capability	WAVE
Max-Cycle	1
Max-Temp	235

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### Mates With / Use With

#### Mates with Part(s)

Description	Part Number
Mates With	FCC 68 Plugs

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