Part Number : 428788456
Product Description : Modular Jack, Vertical, Low Profile, 8/8, Keyed, Panel Stops
Series Number : 42878
Status : Active
Product Category : Modular Jacks and Plugs



Documents and Resources

Drawings

428788456_sd.pdf

PK-42878-492-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Specifications

PS-42878-001.pdf

TS-42878-001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 34; 33
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)7771-DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS

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- REACH SVHC
- Low-Halogen

Industry Documents

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

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	Modular Jacks and Plugs
Series	42878
Description	Modular Jack, Vertical, Low Profile, 8/8, Keyed, Panel Stops
Component Type	PCB Jack
Magnetic	No
Performance Category	3
Power over Ethernet (PoE)	N/A
Product Name	Modular Jack 8/8,RJ45
UPC	800753827707

Agency

CSA	LR19980
UL	E107635

Electrical

Current - Maximum per Contact	1.5A
Grounding to Panel	None
Grounding to PCB	No
Shielded	No

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Voltage - Maximum	150V AC (RMS)

Physical

Boot Color	N/A
Color - Resin	Black
Durability (mating cycles max)	500
Flammability	94V-0
Inverted / Top Latch	N/A
Jack Height	12.70mm
Keying to Mating Part	Yes
Lightpipes/LEDs	None
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Polyester
Net Weight	2.235/g
Orientation	Vertical (Top Entry)
Packaging Type	Tray
Panel Mount	With Flange
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.57mm
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	8/8
Temperature Range - Operating	-40° to +85°C
Termination Interface Style	Through Hole
Waterproof / Dustproof	No
Wire/Cable Type	N/A

Solder Process Data

Max-Duration	5

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

Mates With / Use With

Mates with Part(s)

Description	Part Number
Mates With	FCC 68 Plugs

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