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Modular Jacks/Plugs
Datasheet
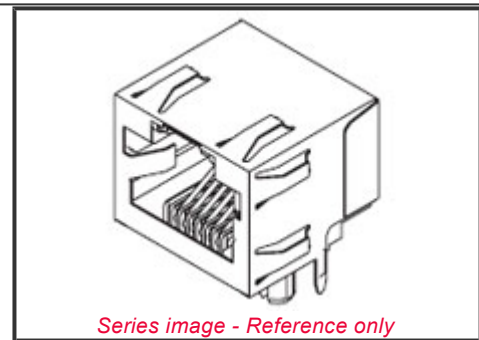
Part Number:
0438600013

Status:
Active

Overview:
RJ-45 Ethernet

Description:
Modular Jack, Right Angle, Low Profile, Inverted, Shielded, Offset Panel Grounding Tabs, 8/8

Documents: *Note - Please disable browser pop-up blockers for documents on www.molex.com*
Drawing (PDF)   Product Specification PS-43860-003 (PDF)   3D Model

Series image - Reference only

EU RoHS
ELV and RoHS Compliant

REACH SVHC
Contains SVHC: No

Halogen-Free Status
Not Halogen-Free

China RoHS

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Email **productcompliance@molex.com**

For a multiple part number RoHS Certificate of Compliance, click here

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GeneralPhysicalElectricalAgency CertificationSolder Process DataMaterial InfoReference - Drawing Numbers

General

Product Family	Modular Jacks/Plugs
Series	43860
Component Type	PCB Jack
Overview	RJ-45 Ethernet
Performance Category	3
Power over Ethernet (PoE)	N/A
Product Name	RJ45

Physical

Boot Color	N/A
Color - Resin	Black
Durability (mating cycles max)	500
Flammability	94V-0
Inverted / Top Latch	Yes
Lightpipes/LEDs	None
Material - Metal	Brass, Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Orientation	Right Angle (Side Entry)
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tray
Panel Mount	With Flange
Pitch - Mating Interface (in)	0.040 In
Pitch - Mating Interface (mm)	1.02 mm
Plating min: Mating (µin)	50
Plating min: Mating (µm)	1.25
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.5
Ports	1
Positions / Loaded Contacts	8/8
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(Please review the Product Specification for specific details.)

Current - Maximum per Contact	1.5A
Grounding to PCB	Yes
Grounding to Panel	Offset Panel Ground Tabs
Shielded	Yes
Voltage - Maximum	150V AC (RMS)

Agency Certification

CSA	LR19980
UL	E107635

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	260

Material Info

Reference - Drawing Numbers

Product Specification	PS-43860-003, RPS-43860-004, RPS-43860-007, RPS-43860-008, RPS-43860-013
Sales Drawing	SD-43860-001