Part Number : 2209570005
Product Description : T1 Industrial Single-Pair Ethernet (SPE) PCB Jack, M12, Straight, 8.00mm, IP67
Series Number : 220957
Status : Active
Product Category : I/O Connectors



Documents and Resources

Drawings

2209570005_sd.pdf

Symbol and Footprint (Multi-Format)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Reviewed
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Not Reviewed per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)8585-DC (23 Jan 2024)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS
- 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

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EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	I/O Connectors
Series	220957
Description	T1 Industrial Single-Pair Ethernet (SPE) PCB Jack, M12, Straight, 8.00mm, IP67
Application	Wire-to-Board
Component Type	PCB Jack
Product Name	Single-Pair Ethernet (SPE)
Type	N/A
UPC	196823193767

Electrical

Current - Maximum per Contact	4.0A
Data Rate	Up to 10.0 Gbps
Grounding to Panel	None
Shielded	Yes
Shield Type	Ground Plane Shield
Voltage - Maximum	60V AC

Physical

Circuits (Loaded)	2
Circuits (maximum)	2
Color - Resin	Black
Durability (mating cycles max)	1000
Gender	Jack
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold

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Material - Resin	Polyamide (PA)
Net Weight	1.880/g
Number of Rows	1
Orientation	Straight
Packaging Type	Tray
Panel Mount	No
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.50mm
PC Tail Length	2.40mm
Pitch - Mating Interface	2.80mm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Ports	1
Temperature Range - Operating	-25° to +80°C
Termination Interface Style	Through Hole
Waterproof / Dustproof	Yes
Waterproof / Dustproof Type	IP67

Mates With / Use With

Mates with Part(s)

Description	Part Number
T1 Industrial Single-Pair Ethernet (SPE) M12 Plug Cable Assembly, IP65/67, 0.20m Cable Length	2209570113

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