



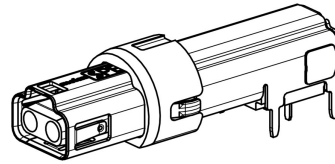
Part Number : [2209570002](#)

Product Description : T1 Industrial Single-Pair Ethernet (SPE) PCB Jack, M12, Right-Angle, IP20

Series Number : 220957

Status : Active

Product Category : I/O Connectors



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## Documents & Resources

### Drawings

[Drawing 2209570002\\_sd.pdf](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
China RoHS	Not Reviewed per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Not Reviewed per IEC 61249-2-21
REACH SVHC	Not Reviewed per D(2023)3788-DC (14 Jun 2023)
EU RoHS	Not Reviewed 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	I/O Connectors
Series	220957
Description	T1 Industrial Single-Pair Ethernet (SPE) PCB Jack, M12, Right-Angle, IP20
Application	Wire-to-Board
Component Type	PCB Jack
Product Family	T1 Industrial Single-Pair Ethernet (SPE) Connectors and Cable Assemblies
Product Name	Single-Pair Ethernet (SPE)
Type	N/A
UPC	196823193736

## Electrical

Current - Maximum per Contact	4.0A
Data Rate	Up to 10.0 Gbps
Grounding to Panel	None
Shield Type	Ground Plane Shield
Shielded	Yes
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
Material - Resin	Polyamide
Net Weight	2.100/g

Number of Rows	1
Orientation	Right Angle
Packaging Type	Tray
Panel Mount	No
PC Tail Length	2.30mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.50mm
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	IP20

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## 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	<u>2209570113</u>