



**Part Number :** [2209570001](#)

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

**Series Number :** 220957

**Status :** Active

**Product Category :** I/O Connectors



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## Documents & Resources


### Drawings

[2209570001\\_sd.pdf](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
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

## Part Details

### General

Status	Active
Category	I/O Connectors
Series	220957
Description	T1 Industrial Single-Pair Ethernet (SPE) PCB Jack, Right-Angle, IP20
Application	Wire-to-Board
Component Type	PCB Jack
Product Name	Single-Pair Ethernet (SPE)
Type	N/A
UPC	196823193729

### 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
Material - Resin	Polyamide

Net Weight	1.060/g
Number of Rows	1
Orientation	Right Angle
Packaging Type	Reel
Panel Mount	No
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.50mm
PC Tail Length	2.30mm
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) Plug Cable Assembly, IP20, 0.20m Cable Length	<u><a href="#">2209570101</a></u>