

1149611

<https://www.phoenixcontact.com/us/products/1149611>

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RJ45 PCB connectors, design: RJ45, degree of protection: IP20, number of positions: 8, 10 Gbps, material: Metal, connection method: SMD reflow

Your advantages

- The reflow capability enables efficient, cost-optimized processing
- The extended temperature range from -40 °C to +85 °C enables use in demanding applications

Commercial Data

Item number	1149611
Packing unit	1 pc
Minimum order quantity	180 pc
Sales Key	AB11
Product Key	ABNADB
GTIN	4063151143848
Weight per Piece (including packing)	6.26 g
Weight per Piece (excluding packing)	4.63 g
Customs tariff number	85366930
Country of origin	TW

## Technical Data

### Product properties

Type	RJ45
Product type	Data connector (device side)
Number of positions	8
Type of packaging	Tape and Reel
[W] tape width	44.00 mm
[A] coil diameter	330.00 mm
[W2] coil overall dimension	49.00 mm
Housing shield springs	No
Connection profile	RJ45
Number of slots	1
Type	Socket
Shielded	yes

### Insulation characteristics

Overvoltage category	I
Degree of pollution	2

### Electrical properties

Rated voltage (III/2)	72 V DC
Rated surge voltage	1.5 kV DC
Rated surge voltage (III/3)	1.5 kV
Rated surge voltage	1 kV DC
Rated current	1.5 A
Frequency range	10 Hz ... 500 Hz
Insulation resistance	> 500 MΩ
Test voltage	1 kV DC
Test voltage Core/Core	1 kV DC
Test voltage Core/Shield	1.5 kV DC
Transmission medium	Copper
Transmission speed	10 Gbps
Power transmission	PoE++

### Connection data

#### Connection technology

Connection method	SMD reflow
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### Dimensions

Width	16.1 mm
Height	14.5 mm
Length	13.5 mm

# CUC-SP-J1ST-S/R4LT-SMD - RJ45 PCB connectors



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Installed height	13.20 mm
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## Material specifications

Material	Ni (1.27 µm / 50 µ") Copper alloy
Flammability rating according to UL 94	V0
Housing surface material	Nickel
Contact material	Phosphor bronze
Contact surface material	Gold
Contact carrier material	PA 9T GF
Housing material	Metal

## Cable/line

Test voltage Core/Core	1 kV DC
Test voltage Core/Shield	1.5 kV DC
Halogen-free	no
Flame resistance	UL 94 V0

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	> 750
Insertion force per signal contact	< 20.00 N
Extraction force per signal contact	< 20 N

## Environmental and real-life conditions

### Test specification

Frequency	10-500 Hz
Sweep speed	1 octave/min
Amplitude	0.35 mm
Acceleration	50 m/s <sup>2</sup>
Test duration	20 s

### Test specification

Specification	IEC60068-2-27
Acceleration	295 m/s <sup>2</sup>

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

## Standards and regulations

Flame resistance	UL 94 V0
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## Mounting

# CUC-SP-J1ST-S/R4LT-SMD - RJ45 PCB connectors



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Mounting type	SMD soldering
Connection method	SMD reflow

## Processing notes

Moisture Sensitive Level	MSL1
Classification temperature T <sub>c</sub>	260 °C
Solder cycles in the reflow	3

# CUC-SP-J1ST-S/R4LT-SMD - RJ45 PCB connectors



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## Approvals

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**cUL Recognized**  
Approval ID: FILE E 335024



**UL Recognized**  
Approval ID: FILE E 335024



**EAC**  
Approval ID: B.01687

**cULus Recognized**

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## Classifications

### ECLASS

ECLASS-11.0	27440223
ECLASS-12.0	27440223
ECLASS-13.0	27440223

### ETIM

ETIM 8.0	EC003557
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### UNSPSC

UNSPSC 21.0	39121400
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Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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