

# CUC-SP-J1ST-A/R4LT-SMD-LED - RJ45 PCB connector



1149873  
<https://www.phoenixcontact.com/us/products/1149873>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



RJ45 PCB connector, 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
- Tape-on-reel packaging is perfect for automated processing
- The extended temperature range from -40 °C to +85 °C enables use in demanding applications

## Commercial data

Item number	1149873
Packing unit	100 pc
Minimum order quantity	100 pc
Sales key	AB12
Product key	ABNADB
GTIN	4063151145569
Weight per piece (including packing)	7.503 g
Weight per piece (excluding packing)	6.016 g
Customs tariff number	85366930
Country of origin	TW

# CUC-SP-J1ST-A/R4LT-SMD-LED - RJ45 PCB connector



1149873

<https://www.phoenixcontact.com/us/products/1149873>

## Technical data

### Product properties

Product type	Data connector (device side)
Type	RJ45
Number of positions	8
Connection profile	RJ45
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
Number of slots	1
Type	Socket
Shielded	yes
LED	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	1.50 kV DC
Transmission medium	Copper
Transmission speed	10 Gbps
Power transmission	PoE++

### Connection data

#### Connection technology

Connection method	SMD reflow
-------------------	------------

### Dimensions

Width	18.8 mm
Height	13.5 mm

# CUC-SP-J1ST-A/R4LT-SMD-LED - RJ45 PCB connector



1149873

<https://www.phoenixcontact.com/us/products/1149873>

Length	15.75 mm
Installed height	13.50 mm
Orientation to PCB	90.00 °

## Material specifications

Material	Au (0.152 µm/6 µ") (Metal surface contact area (top layer))
	Ni (1.27 µm/50 µ") (Metal surface contact area (middle layer))
	Ni (1.27 µm/50 µ") (Metal surface soldering area (middle layer))
	Copper alloy (Housing (shielding))
Flammability rating according to UL 94	V0
Housing material	Metal
Housing surface material	Ni
Contact material	Phosphor bronze
Contact surface material	Gold
Contact carrier material	PA 9T GF

## Cable/line

Test voltage Core/Core	1 kV DC
Test voltage Core/Shield	1.50 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	50.00 m/s <sup>2</sup>
Test duration	20.00 s

### Test specification

Specification	IEC60068-2-27
Acceleration	295.00 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

# CUC-SP-J1ST-A/R4LT-SMD-LED - RJ45 PCB connector



1149873

<https://www.phoenixcontact.com/us/products/1149873>

## Standards and regulations

Flame resistance	UL 94 V0
------------------	----------

## Mounting

Mounting type	SMD soldering
---------------	---------------

## Processing notes

Moisture Sensitive Level	MSL 1
Classification temperature T <sub>c</sub>	260 °C
Solder cycles in the reflow	3

# CUC-SP-J1ST-A/R4LT-SMD-LED - RJ45 PCB connector

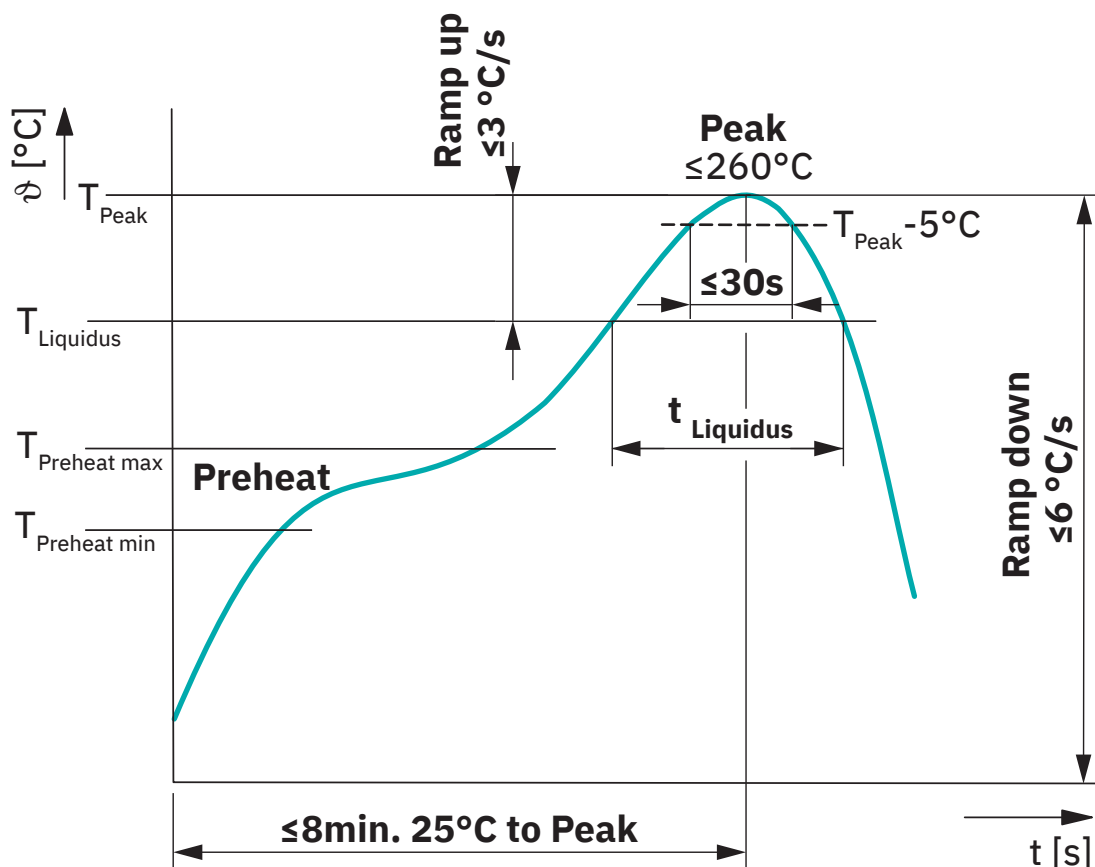


1149873

<https://www.phoenixcontact.com/us/products/1149873>

## Drawings

Diagram



Classification reflow soldering profile

# CUC-SP-J1ST-A/R4LT-SMD-LED - RJ45 PCB connector



1149873

<https://www.phoenixcontact.com/us/products/1149873>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1149873>



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



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

**cULus Recognized**

# CUC-SP-J1ST-A/R4LT-SMD-LED - RJ45 PCB connector



1149873

<https://www.phoenixcontact.com/us/products/1149873>

## Classifications

### ECLASS

ECLASS-11.0	27440223
ECLASS-12.0	27440223
ECLASS-13.0	27460201

### ETIM

ETIM 9.0	EC002637
----------	----------

### UNSPSC

UNSPSC 21.0	39121400
-------------	----------

# CUC-SP-J1ST-A/R4LT-SMD-LED - RJ45 PCB connector



1149873

<https://www.phoenixcontact.com/us/products/1149873>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

Phoenix Contact 2025 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)