

CUC-SP-J1ST-S/R4LT-SMD - RJ45 PCB connector



1149611

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

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
- The extended temperature range from -40 °C to +85 °C enables use in demanding applications

Commercial data

Item number	1149611
Packing unit	180 pc
Minimum order quantity	180 pc
Sales key	AB12
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

1149611

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

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

Data management status

Article revision	00
------------------	----

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	16.1 mm
-------	---------

CUC-SP-J1ST-S/R4LT-SMD - RJ45 PCB connector



1149611

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

Height	14.5 mm
Length	13.5 mm
Installed height	13.20 mm
Orientation to PCB	180.00 °

Material specifications

Material	Ni (1.27 µm/50 µ") Copper alloy
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 ²
Test duration	20.00 s

Test specification

Specification	IEC60068-2-27
Acceleration	295.00 m/s ²

Ambient conditions

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

Standards and regulations

CUC-SP-J1ST-S/R4LT-SMD - RJ45 PCB connector



1149611

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

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

Mounting

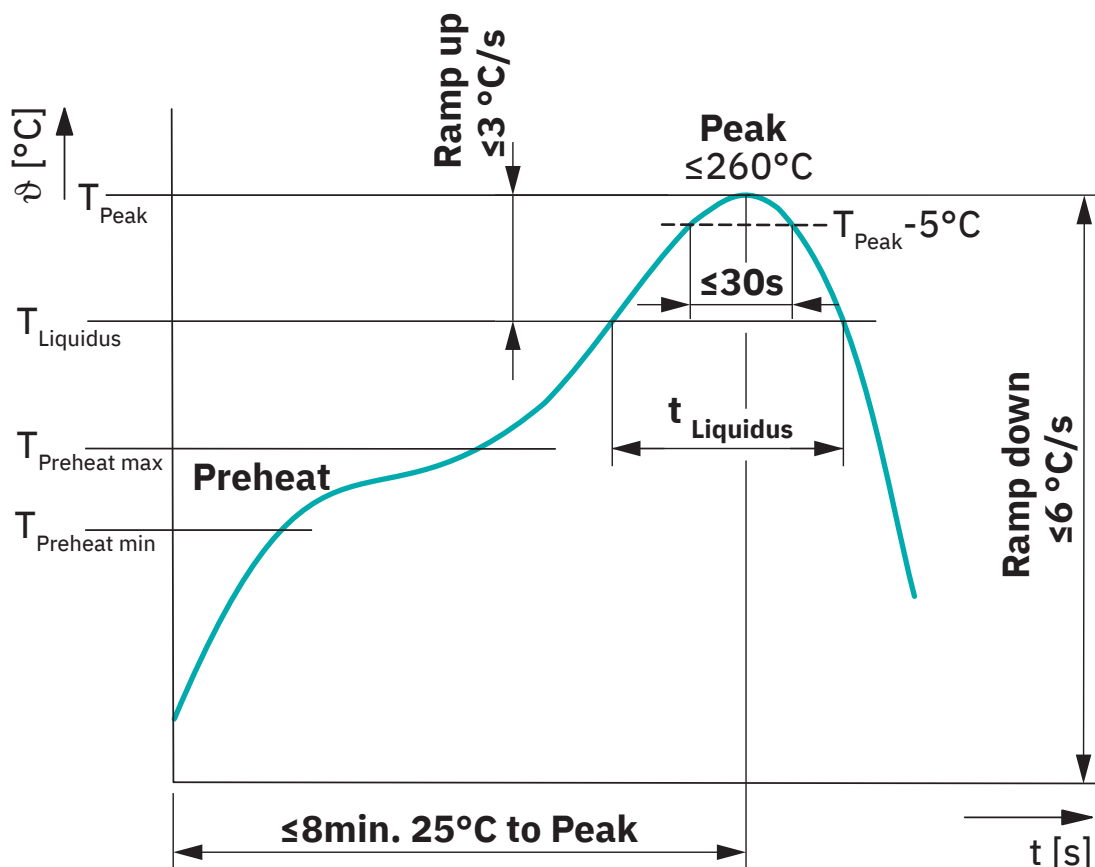
Mounting type	SMD soldering
---------------	---------------

Processing notes

Moisture Sensitive Level	MSL 1
Classification temperature T_c	260 °C
Solder cycles in the reflow	3

Drawings

Diagram



Classification reflow soldering profile

CUC-SP-J1ST-S/R4LT-SMD - RJ45 PCB connector



1149611

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

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1149611>



cUL Recognized
Approval ID: FILE E 335024



UL Recognized
Approval ID: FILE E 335024

cULus Recognized

CUC-SP-J1ST-S/R4LT-SMD - RJ45 PCB connector



1149611

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

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-S/R4LT-SMD - RJ45 PCB connector



1149611

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

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 2024 © - 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