

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



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

Your advantages

- Design perfectly matched to the RJ45 INDUSTRIAL connector for reliable connectivity
- Ideal for demanding applications due to the high shock and vibration resistance as well as the extended temperature range
- Automated handling process thanks to reflow capability
- Tray packing
- With integrated hybrid LEDs as optical status indicators of data transmission
- Housing shield springs enable an optimized EMC shielding concept

Commercial Data

Item number	1149611
Packing unit	1 pc
Minimum order quantity	180 pc
Sales Key	AB11
Product Key	ABNABB
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

Type	RJ45
Product type	Female insert
Number of positions	8
Connection profile	RJ45
Number of slots	1
Type	Socket
Locking type	Locking clips
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 M Ω
Test voltage	1 kV DC
Transmission medium	Copper

Connection data

Connection technology

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

Dimensions

Width	16.1 mm
Height	14.5 mm
Length	13.5 mm

Material specifications

Flammability rating according to UL 94	V0
Housing surface material	Nickel
Contact material	Phosphor bronze
Contact surface material	Gold
Contact carrier material	PA9T GF
Housing material	Metal

1149611

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

Cable/line

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

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
------------------	----------

Mounting

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

Processing notes

Moisture Sensitive Level	MSL1
Classification temperature T_c	260 °C
Solder cycles in the reflow	3

1149611

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

Approvals



cUL Recognized

Approval ID: FILE E 335024



UL Recognized

Approval ID: FILE E 335024



EAC

Approval ID: B.01687

cULus Recognized

1149611

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

Classifications

ECLASS

ECLASS-9.0	27440205
ECLASS-10.0.1	27440205
ECLASS-11.0	27440223
ECLASS-12.0	27440223
ECLASS-13.0	27440223

ETIM

ETIM 8.0	EC003557
----------	----------

UNSPSC

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

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



1149611

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

Environmental Product Compliance

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

Phoenix Contact 2023 © - 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