

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



1149872

<https://www.phoenixcontact.com/us/products/1149872>

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RJ45 PCB connectors, degree of protection: IP20, number of positions: 8, 10 Gbps, material: Metal, connection method: THT wave

Your advantages

- The right version for every application. Available with and without LED, single- and multi-port
- The extended temperature range from -40 °C to +85 °C enables use in demanding applications
- Through-hole technology (THT) provides high mechanical stability when connecting the female connector to the PCB

Commercial data

Item number	1149872
Packing unit	100 pc
Minimum order quantity	100 pc
Sales key	AB12
Product key	ABNADA
GTIN	4063151146221
Weight per piece (including packing)	7.74 g
Weight per piece (excluding packing)	7.74 g
Customs tariff number	85366930
Country of origin	TW

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Technical data

Product properties

Product type	Data connector (device side)
Type	RJ45
Number of positions	8
Connection profile	RJ45
Type of packaging	Tray
Housing shield springs	No
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	1.50 kV DC
Transmission medium	Copper
Transmission speed	10 Gbps
Power transmission	PoE++

Connection data

Connection technology

Connection method	THT wave
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Dimensions

Width	16.15 mm
Height	16.7 mm
Length	16.5 mm
Installed height	16.50 mm
Orientation to	180.00 °
Data pin length	3.25 mm

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Material specifications

Material	Au (0.152 µm/6 µ")
	Ni (1.27 µm/50 µ")
	Ni (1.27 µm/50 µ")
	Copper alloy
Flammability rating according to UL 94	V0
Housing material	Metal
Housing surface material	Nickel
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

Flame resistance	UL 94 V0
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Mounting

Mounting type	Wave soldering
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Processing notes

Classification temperature T_c	260 °C
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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1149872>



cUL Recognized
Approval ID: FILE E 335024



UL Recognized
Approval ID: FILE E 335024

cULus Recognized

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Classifications

ECLASS

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

ETIM

ETIM 9.0	EC003557
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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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%
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Accessories

VS-08-RJ45-10G/Q - RJ45 connector

1419001

<https://www.phoenixcontact.com/us/products/1419001>



RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 10 Gbps, CAT6_A, material: Plastic, connection method: Insulation displacement connection, connection cross section: AWG 26- 24, cable outlet: straight, color: black, Ethernet

CUC-MP-J1ST-A/2R4LT-THR-LED - RJ45 PCB connectors

1337254

<https://www.phoenixcontact.com/us/products/1337254>



RJ45 PCB connectors, degree of protection: IP20, number of positions: 8, 10 Gbps, material: Metal, connection method: THR reflow/THT wave

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



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VS-08-RJ45-5-Q/IP20 - RJ45 connector

1656725

<https://www.phoenixcontact.com/us/products/1656725>



RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5, material: Plastic, connection method: Insulation displacement connection, connection cross section: AWG 26- 23, cable outlet: straight, color: traffic grey A RAL 7042, Ethernet

VS-08-RJ45-5-Q/IP20 BK - RJ45 connector

1658008

<https://www.phoenixcontact.com/us/products/1658008>



RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5, material: Plastic, connection method: Insulation displacement connection, connection cross section: AWG 26- 23, cable outlet: straight, color: black, Ethernet

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VS-PN-RJ45-5-Q/IP20 - RJ45 connector

1658435

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RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 4, 100 Mbps, CAT5, material: Plastic, connection method: Insulation displacement connection, cable outlet: straight, color: traffic grey A RAL 7042, PROFINET

CUC-IND-C1ZNI-S/R4IP10G8 - RJ45 connector

1149847

<https://www.phoenixcontact.com/us/products/1149847>



RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 10 Gbps, CAT6_A, material: Metal, connection method: Insulation displacement connection, connection cross section: AWG 23- 22, cable outlet: straight, color: yellow, Ethernet

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CUC-IND-C1ZNI-S/R4IE10G8 - RJ45 connector

1149846

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RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 10 Gbps, CAT6_A, material: Metal, connection method: Insulation displacement connection, connection cross section: AWG 26- 24, cable outlet: straight, color: yellow, Ethernet

CUC-IND-C1ZNI-S/R4IP8 - RJ45 connector

1421126

<https://www.phoenixcontact.com/us/products/1421126>



RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5, material: Metal, connection method: Insulation displacement connection, connection cross section: AWG 23- 22, cable outlet: straight, color: green, Ethernet/PROFINET

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CUC-IND-C1ZNI-S/R4IE8 - RJ45 connector

1421607

<https://www.phoenixcontact.com/us/products/1421607>



RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5, material: Metal, connection method: Insulation displacement connection, connection cross section: AWG 26- 24, cable outlet: straight, color: green, Ethernet

CUC-IND-C1ZNI-B/R4IP8 - RJ45 connector

1421127

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RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5, material: Metal, connection method: Insulation displacement connection, connection cross section: AWG 23- 22, cable outlet: angled, Ethernet/PROFINET

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CUC-IND-C1ZNI-B/R4IE8 - RJ45 connector

1421876

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RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5, material: Metal, connection method: Insulation displacement connection, connection cross section: AWG 26- 24, cable outlet: angled, Ethernet

CUC-IND-C1ZNI-T/R4IP8 - RJ45 connector

1421128

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RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5, material: Metal, connection method: Insulation displacement connection, connection cross section: AWG 23- 22, cable outlet: angled, Ethernet/PROFINET

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CUC-IND-C1ZNI-T/R4IE8 - RJ45 connector

1421877

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RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5, material: Metal, connection method: Insulation displacement connection, connection cross section: AWG 26- 24, cable outlet: angled, Ethernet

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