

1337239  
<https://www.phoenixcontact.com/us/products/1337239>

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

Your advantages

- The right version for every application. Available with and without LED, single- and multi-port
- The reflow capability enables efficient, cost-optimized processing
- High standoffs allow ideal thermal airflow during processing
- Tape-on-reel packaging is perfect for automated processing
- The extended temperature range from -50°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	1337239
Packing unit	120 pc
Minimum order quantity	120 pc
Sales key	AB12
Product key	ABNADA
GTIN	4063151639037
Weight per piece (including packing)	7.016 g
Weight per piece (excluding packing)	7.42 g
Customs tariff number	85366930
Country of origin	CN

# CUC-SP-J1ST-S/R4LT-THR-LED - RJ45 PCB connectors



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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	Tape and Reel
[W] tape width	44.00 mm
[A] coil diameter	330.00 mm
[W2] coil overall dimension	49.10 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	THR reflow/THT wave
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### Dimensions

Width	16.8 mm
Height	13.6 mm

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Length	19.6 mm
Installed height	15.90 mm
Orientation to	180.00 °
Data pin length	2.00 mm

## Material specifications

Material	Au (1,27 µm/50 µ")
	Sn (2.54 µm/100 µ")
	Ni (1,27 µm/50 µ")
	Ni (1.27 µm / 50 µ")
	Stainless steel
	LCP
Flammability rating according to UL 94	V0
Housing material	Metal
Contact material	Phosphor bronze
Contact surface material	Gold over nickel
Contact carrier material	LCP

## Cable/line

Test voltage Core/Core	1 kV DC
Test voltage Core/Shield	1.50 kV DC
Halogen-free	yes

## 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)	-50 °C ... 85 °C

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Ambient temperature (storage/transport)	-50 °C ... 85 °C
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### Mounting

Mounting type	PCB mounting
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### Processing notes

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

# CUC-SP-J1ST-S/R4LT-THR-LED - RJ45 PCB connectors



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1337239>



**UL Recognized**

Approval ID: FILE E 335024

# CUC-SP-J1ST-S/R4LT-THR-LED - RJ45 PCB connectors



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## Classifications

### ECLASS

ECLASS-11.0	27440390
ECLASS-12.0	27440390
ECLASS-13.0	27460201

### UNSPSC

UNSPSC 21.0	39121400
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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%

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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<sub>A</sub>, material: Plastic, connection method: Insulation displacement connection, connection cross section: AWG 26- 24, cable outlet: straight, color: black, Ethernet

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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



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## 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

<https://www.phoenixcontact.com/us/products/1658435>



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

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## 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<sub>A</sub>, 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

<https://www.phoenixcontact.com/us/products/1149846>



RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 10 Gbps, CAT6<sub>A</sub>, material: Metal, connection method: Insulation displacement connection, connection cross section: AWG 26- 24, cable outlet: straight, color: yellow, Ethernet

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## 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

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

1421127

<https://www.phoenixcontact.com/us/products/1421127>



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

<https://www.phoenixcontact.com/us/products/1421876>



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-SP-J1ST-S/R4LT-THR-LED - RJ45 PCB connectors



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

1421128

<https://www.phoenixcontact.com/us/products/1421128>



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

<https://www.phoenixcontact.com/us/products/1421877>



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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