

CUC-SP-J1ST-A/R4LT-THR - RJ45 PCB connectors



1337240

<https://www.phoenixcontact.com/us/products/1337240>

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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 | 1337240 |
| Packing unit | 120 pc |
| Minimum order quantity | 120 pc |
| Sales key | AB12 |
| Product key | ABNADA |
| GTIN | 4063151639044 |
| Weight per piece (including packing) | 6.61 g |
| Weight per piece (excluding packing) | 6.61 g |
| Customs tariff number | 85366930 |
| Country of origin | CN |

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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 |

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 |
|-------------------|---------------------|

Dimensions

| | |
|--------|---------|
| Width | 16.8 mm |
| Height | 16.6 mm |
| Length | 15.9 mm |

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1337240

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| | |
|------------------|----------|
| Installed height | 13.70 mm |
| Orientation to | 90.00 ° |
| 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 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) | -50 °C ... 85 °C |
| Ambient temperature (storage/transport) | -50 °C ... 85 °C |

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Mounting

| | |
|---------------|--------------|
| Mounting type | PCB mounting |
|---------------|--------------|

Processing notes

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

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1337240>



UL Recognized

Approval ID: FILE E 335024

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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_A, material: Plastic, connection method: Insulation displacement connection, connection cross section: AWG 26- 24, cable outlet: straight, color: black, Ethernet

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

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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

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_A, material: Metal, connection method: Insulation displacement connection, connection cross section: AWG 23- 22, cable outlet: straight, color: yellow, Ethernet

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_A, 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

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

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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

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

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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

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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