

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



1337239

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

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Modular RJ45 PCB connectors, 1x1 single-port, connection direction of the connector to the PCB: 180 °, Shielded, LED (yellow, green), number of positions: 8, 10 Gbps, PoE++, THT-THR, Reflow, type of packaging: Tape and Reel

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 ... +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) | 7.42 g |
| Weight per piece (excluding packing) | 7.42 g |
| Customs tariff number | 85366930 |
| Country of origin | CN |

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Technical data

Product properties

| | |
|---------------------|--|
| Product type | Data connector (device side) |
| Slots | 1x1 single-port |
| Orientation to PCB | 180.00 ° |
| Type | THD |
| Number of positions | 8 (8P8C) |
| Type of locking | Snap-in locking |
| Shielding | Shielded |
| Status display | LED (yellow, green) |
| application range | Reflow |
| Type of packaging | Tape and Reel |
| Transmission speed | 10 Gbps |
| PoE/PoE+ | PoE++ |
| Power PSE | 90 W (Class 8 in accordance with IEEE 802.3bt) |
| Power PD | 71 W (Class 4 in accordance with IEEE 802.3bt) |

Electrical properties

| | |
|-----------------------|---|
| Rated voltage | 72 V DC |
| Rated surge voltage | 1.5 kV DC (IEC 60664-1) |
| Rated current | 1.5 A (IEC 60603-7) |
| Frequency range | 10 Hz ... 500 Hz |
| Test voltage | 1.5 kV DC IEC 60603-7 (Contact - contact) |
| | 1.5 kV DC IEC 60603-7 (Contact - shield) |
| Insulation resistance | > 500 MΩ (IEC 60603-7) |
| Transmission speed | 10 Gbps |
| Transmission speed | 10 Gbps |
| Power transmission | PoE++ |

Connection data

| | |
|-----------------------|--------|
| Connection technology | |
| Connection method | Female |

Signaling

| | |
|------------------------|---------------------|
| Status display | LED (yellow, green) |
| Status display present | yes |

Dimensions

| | |
|--------|---------|
| Width | 16.8 mm |
| Height | 13.6 mm |
| Length | 19.6 mm |

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| | |
|--------------------|----------|
| Installed height | 15.90 mm |
| Orientation to PCB | 180.00 ° |
| Data pin length | 2.00 mm |

Material specifications

| | |
|---|-------------------------------|
| Material Plug contact coating (top layer/selective) | Au (1.27 µm/50 µ") |
| Material Plug contact coating (intermediate layer) | Ni (1.27 µm/50 µ") |
| Material Solder contact coating (top layer/selective) | Sn (2.54 µm / 100 µ") |
| Material Solder contact coating (intermediate layer) | Ni (1.27 µm/50 µ") |
| Material Contact | Phosphor bronze |
| Material Housing pin coating (top layer/selective) | Sn |
| Material Contact carrier | LCP (Housing (female/insert)) |

Cable/line

| | |
|------------------|----------|
| Shielding | Shielded |
| Halogen-free | yes |
| Flame resistance | UL 94 V0 |

Mechanical properties

Mechanical data

| | |
|-----------------------------|----------------------|
| Insertion/withdrawal cycles | > 750 (IEC 60603-7) |
| Insertion force | < 20 N (IEC 60603-7) |
| Withdrawal force | < 20 N (IEC 60603-7) |

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 (when plugged in) | IP20 (IEC 60603-7) |
| Degree of protection (not plugged in) | IP20 (IEC 60603-7) |
| Ambient temperature (operation) | -50 °C ... 85 °C |
| Ambient temperature (storage/transport) | -50 °C ... 85 °C |

Standards and regulations

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

Mounting

| | |
|---------------|---------|
| Mounting type | THT-THR |
|---------------|---------|

Processing notes

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

Packaging specifications

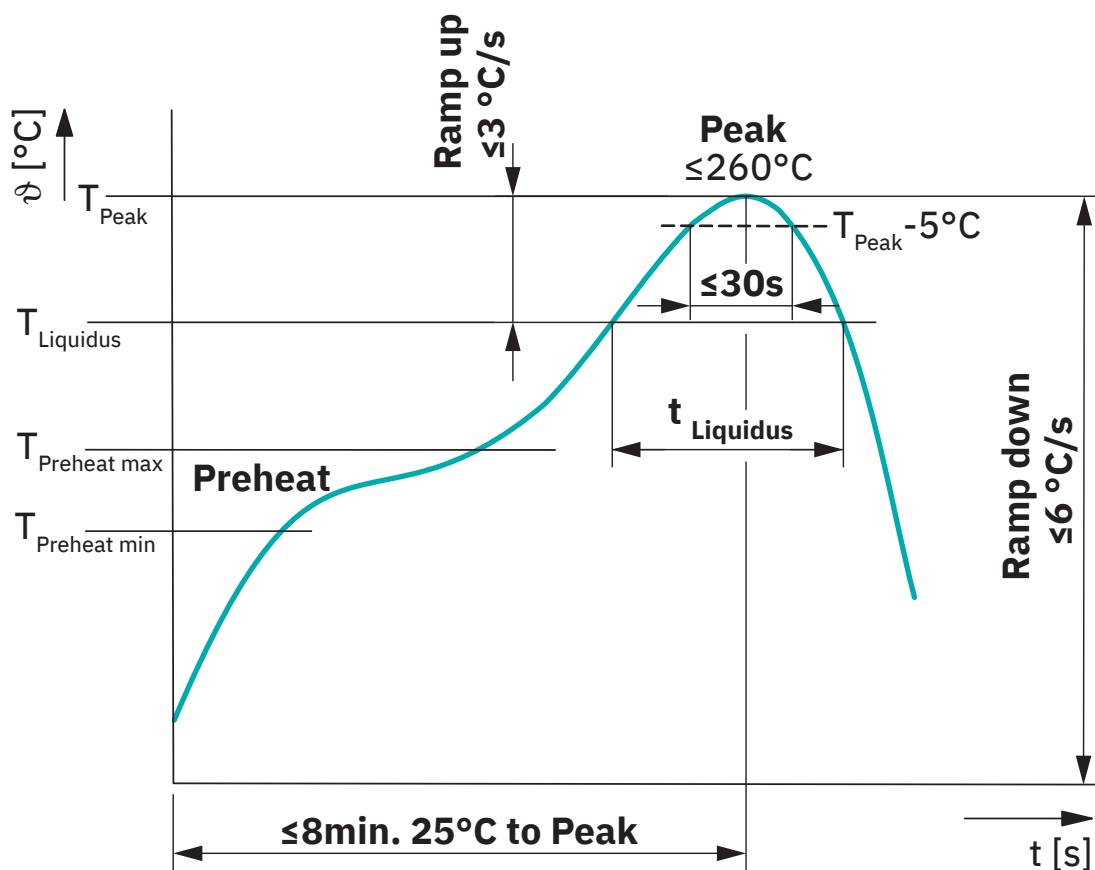
| | |
|-----------------------------|---------------|
| Type of packaging | Tape and Reel |
| [W] tape width | 44 mm |
| [W2] coil overall dimension | 49.1 mm |
| [A] coil diameter | 330 mm |

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Drawings

Diagram



Classification reflow soldering profile

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Approvals

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UL Recognized

Approval ID: FILE E 335024

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27460201 |
| ECLASS-15.0 | 27460201 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC002637 |
|----------|----------|

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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