

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



1337240

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

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RJ45 PCB connector, 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 ... +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

Data management status

Article revision	00
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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
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Height	16.6 mm
Length	15.9 mm
Installed height	13.70 mm
Orientation to	90.00 °
Data pin length	2.00 mm

Material specifications

Material	Au (1.27 µm/50 µ") (Metal surface contact area (top layer))
	Sn (2.54 µm/100 µ") (Metal surface soldering area (top layer))
	Ni (1.27 µm/50 µ") (Metal surface soldering area (middle layer))
	Ni (1.27 µm/50 µ") (Metal surface contact area (middle layer))
	Stainless steel (Housing (shielding))
	LCP (Housing (female/insert))
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
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Ambient temperature (operation)	-50 °C ... 85 °C
Ambient temperature (storage/transport)	-50 °C ... 85 °C

Mounting

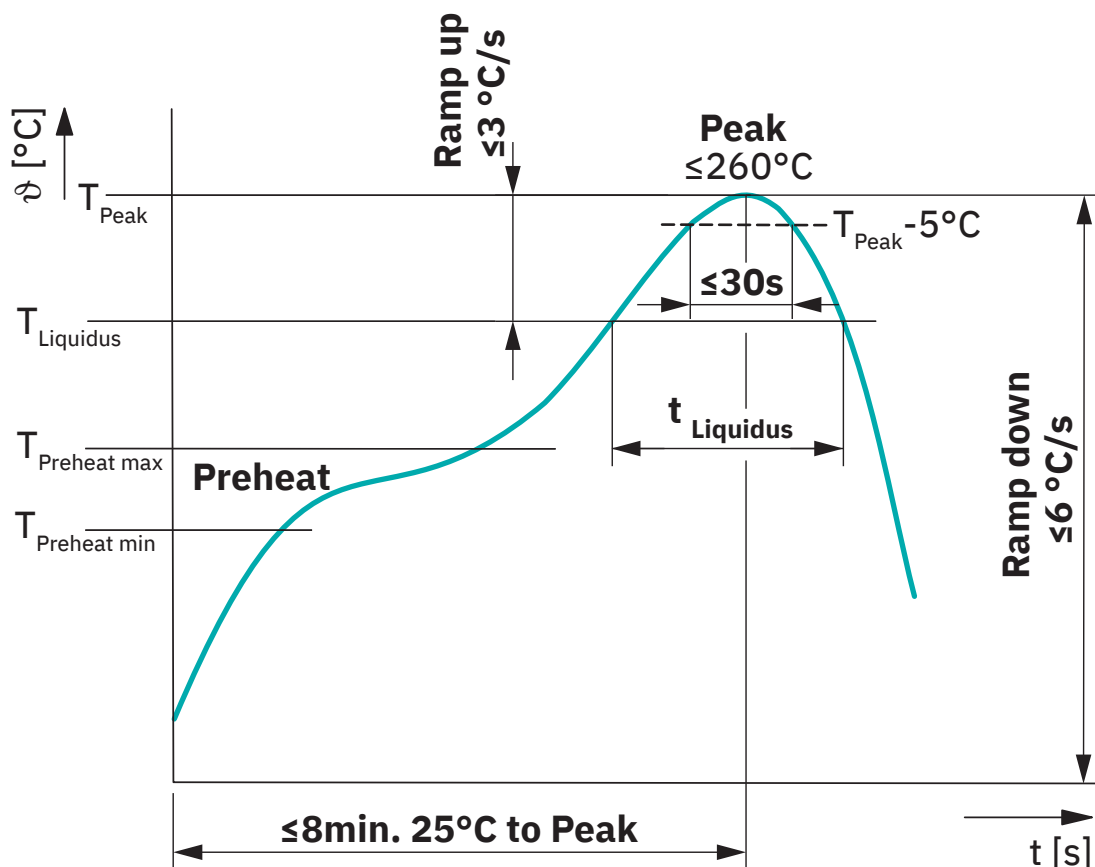
Mounting type	PCB mounting
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Processing notes

Process	THR
Moisture Sensitive Level	MSL 1
Classification temperature T _c	260 °C
Solder cycles in the reflow	3

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-11.0	27440390
ECLASS-12.0	27440390
ECLASS-13.0	27460201

ETIM

ETIM 9.0	EC002637
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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
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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