

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



1337254

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Modular RJ45 PCB connectors, connection direction of the connector to the PCB: 90 °, Tab up, number of positions: 8, 10 Gbps, PoE++, THT-THR, 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	1337254
Packing unit	100 pc
Minimum order quantity	100 pc
Sales key	AB12
Product key	ABNADA
GTIN	4063151638450
Weight per piece (including packing)	10.64 g
Weight per piece (excluding packing)	10.64 g
Customs tariff number	85366930
Country of origin	CN

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Technical data

Product properties

Product type	Data connector (device side)
Sensor type	Universal
Number of positions	8
Note number of positions	8P8C
Connection profile	RJ45
Housing shield springs	Yes
Number of slots	2
Shielded	yes
LED	yes

Insulation characteristics

Overvoltage category	I
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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
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Signaling

Status display present	yes
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Dimensions

Width	35.5 mm
Height	18.2 mm
Length	16.5 mm
Installed height	13.60 mm
Orientation to PCB	90.00 °
Data pin length	2.00 mm

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Material specifications

Material	Au (1.27 µm/50 µ")
Material	Ni (1.27 µm/50 µ")
Material	Sn (2.54 µm / 100 µ")
Material	Ni (1.27 µm/50 µ")
Material Contact	Phosphor bronze
Material	Sn
Material Contact carrier	LCP (Housing (female/insert))

Cable/line

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

Flame resistance	UL 94 V0
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Mounting

Mounting type	THT-THR
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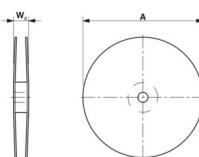
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Processing notes

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

Packaging specifications

Dimensional drawing	
	
Type of packaging	Tape and Reel
[W] tape width	56 mm
[W2] coil overall dimension	62.4 mm
[A] coil diameter	330 mm
Outer packaging type	Transparent-Bag

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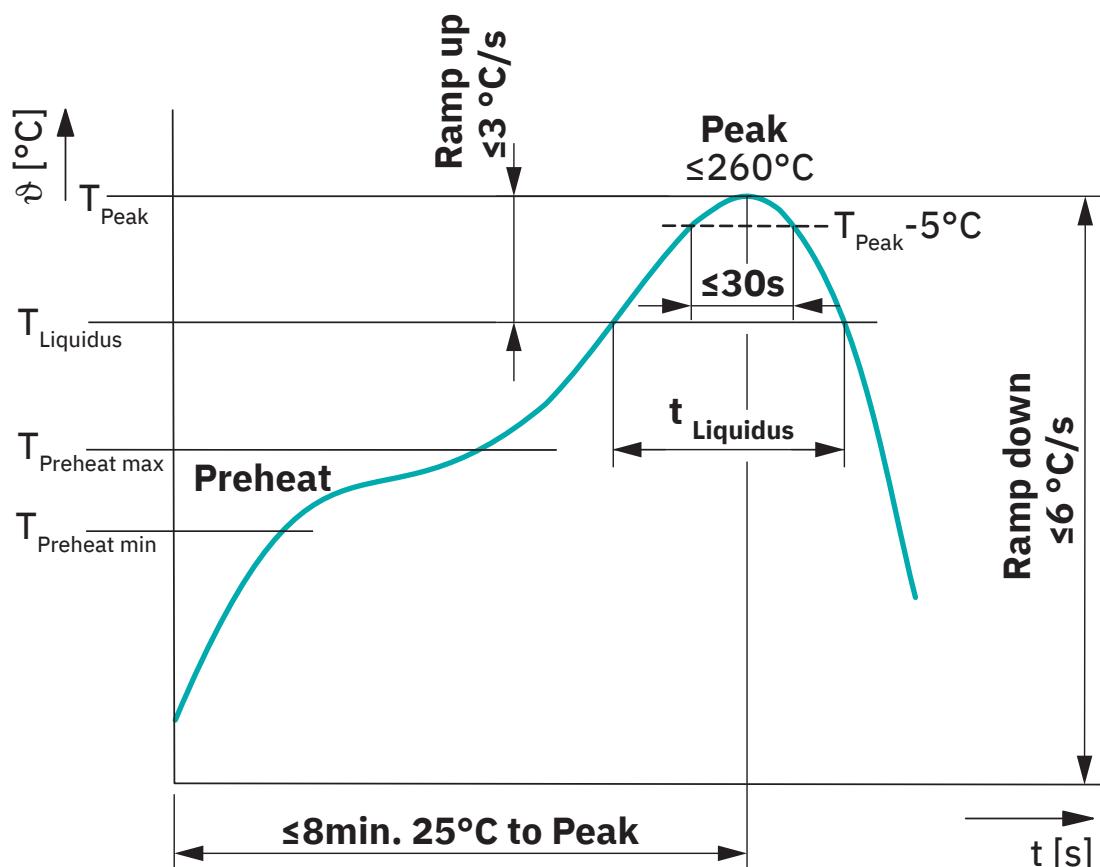


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Drawings

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
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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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