

CUC-SP-J1ST-A/R4LT-SMD-LED - RJ45 PCB connector



1149873

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RJ45 PCB connector, number of positions: 8, 10 Gbps, SMD soldering, degree of protection: IP20, connection method: SMD reflow, Tape and Reel

Your advantages

- The reflow capability enables efficient, cost-optimized processing
- Tape-on-reel packaging is perfect for automated processing
- The extended temperature range from -40 °C to +85 °C enables use in demanding applications

Commercial data

Item number	1149873
Packing unit	100 pc
Minimum order quantity	100 pc
Sales key	AB12
Product key	ABNADB
GTIN	4063151145569
Weight per piece (including packing)	7.503 g
Weight per piece (excluding packing)	6.016 g
Customs tariff number	85366930
Country of origin	TW

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Technical data

Product properties

Product type	Data connector (device side)
Number of positions	8
Connection profile	RJ45
Housing shield springs	No
Number of slots	1
Shielded	yes
LED	yes

Insulation characteristics

Overvoltage category	I
Degree of pollution	2

Electrical properties

Rated voltage	72 V DC
Rated surge voltage	1.5 kV DC
Rated current	1.5 A
Frequency range	10 Hz ... 500 Hz
Insulation resistance	> 500 MΩ
Transmission speed	10 Gbps
Transmission speed	10 Gbps
Power transmission	PoE++

Connection data

Connection technology

Connection method	SMD reflow
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Dimensions

Width	18.8 mm
Height	13.5 mm
Length	15.75 mm
Installed height	13.50 mm
Orientation to PCB	90.00 °

Material specifications

Material Metal surface contact area (top layer)	Au (0.152 µm/6 µ")
Material Metal surface contact area (middle layer)	Ni (1.27 µm/50 µ")
Material Metal surface soldering area (middle layer)	Ni (1.27 µm/50 µ")
Material	Copper alloy (Housing (shielding))
Material Contact	Phosphor bronze
Material Contact carrier	PA 9T GF
Material Housing	Metal

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1149873

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Cable/line

Test voltage Core/Core	1 kV DC
Test voltage Core/Shield	1.50 kV DC
Halogen-free	no
Flame resistance	UL 94 V0

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 750
Insertion force	20 N
Withdrawal force	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 (when plugged in)	IP20
Degree of protection (not plugged in)	IP20
Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

Standards and regulations

Flame resistance	UL 94 V0
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Mounting

Mounting type	SMD soldering
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Processing notes

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

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[W2] coil overall dimension	49 mm
[A] coil diameter	330 mm

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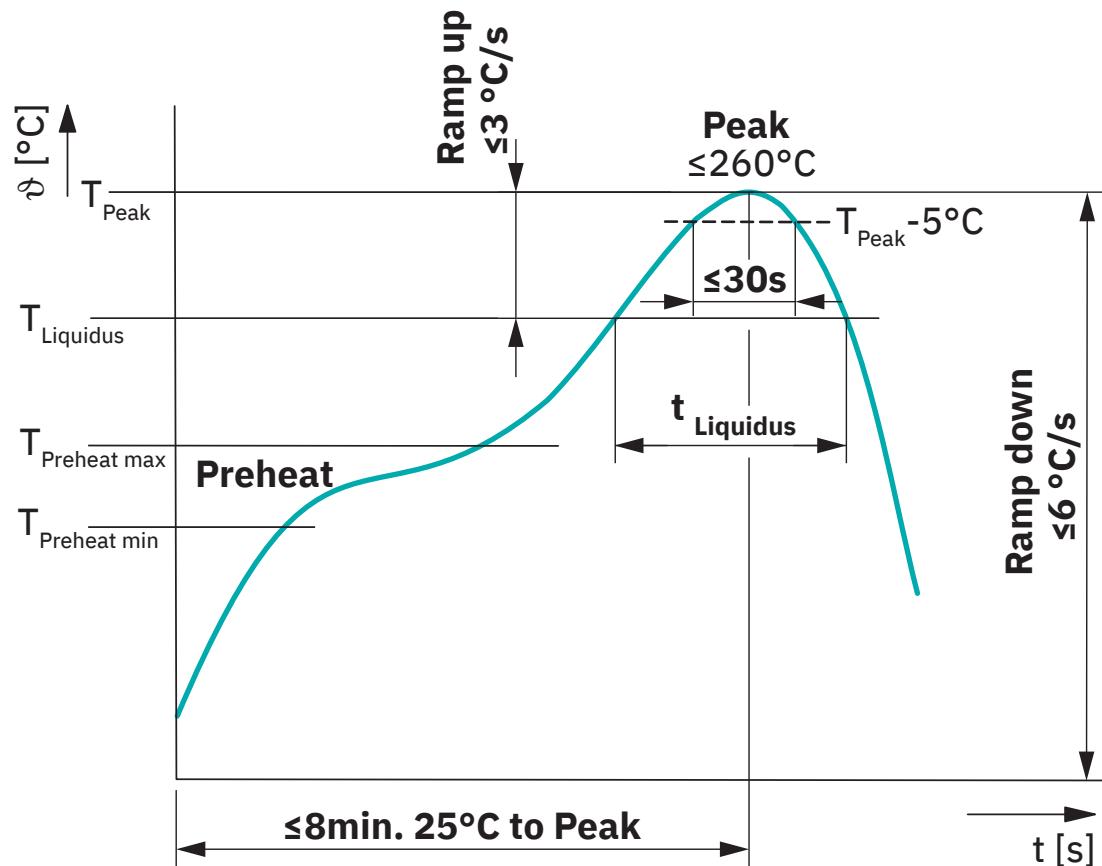


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Drawings

Diagram



Classification reflow soldering profile

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Approvals

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cUL 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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