

CUC-SP-J1ST-S/R4LT-SMD - Modular RJ45 PCB connectors

1149611
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Modular RJ45 PCB connectors, 1x1 single-port, connection direction of the connector to the PCB: 180 °, Shielded, number of positions: 8, 10 Gbps, PoE++, SMT, Reflow, type of packaging: Tape and Reel

Your advantages

- The reflow capability enables efficient, cost-optimized processing
- The extended temperature range from -40 °C to +85 °C enables use in demanding applications

Commercial data

Item number	1149611
Packing unit	180 pc
Minimum order quantity	180 pc
Sales key	AB12
Product key	ABNADB
GTIN	4063151143848
Weight per piece (including packing)	6.26 g
Weight per piece (excluding packing)	4.63 g
Customs tariff number	85366930
Country of origin	TW

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Technical data

Product properties

Product type	Data connector (device side)
Slots	1x1 single-port
Orientation to PCB	180.00 °
Type	SMD
Number of positions	8 (8P8C)
Type of locking	Snap-in locking
Shielding	Shielded
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
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Signaling

Status display present	no
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Dimensions

Width	16.1 mm
Height	14.5 mm
Length	13.5 mm
Installed height	13.20 mm
Orientation to PCB	180.00 °

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Material specifications

Material Plug contact coating (top layer/selective)	Au
Material Plug contact coating (intermediate layer)	Ni (1,270 µm min / 50 µ" min)
Material Solder contact coating (top layer/selective)	Au (Flash)
Material Solder contact coating (intermediate layer)	Ni (1.27 µm/50 µ")
Material Housing	Ni (0,508 µm / 20 µ")
Material Contact	Phosphor bronze
Material Housing pin coating (top layer/selective)	Sn (1.27 µm/50 µ")
Material Contact carrier	PA (Housing (female/insert))

Cable/line

Shielding	Shielded
Halogen-free	no
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)	-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	SMT
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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
[W2] coil overall dimension	49 mm
[A] coil diameter	330 mm

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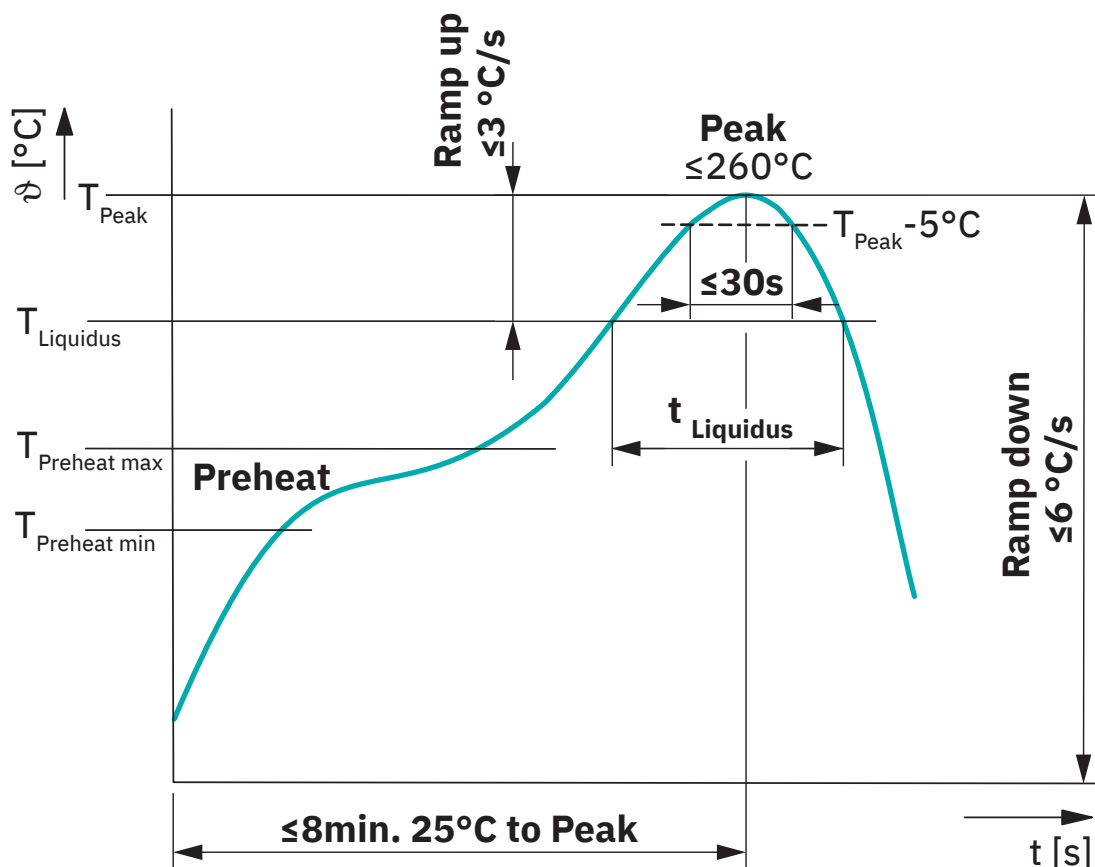


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Drawings

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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