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

1149871

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Modular RJ45 PCB connectors, 1x1 single-port, connection direction of the connector to the PCB: 180 °, Shielded, LED (green, yellow), number of positions: 8, PoE++, THT, THD, Wave, IP20, type of packaging: Tray

Your advantages

- The right version for every application. Available with and without LED, single- and multi-port
- The extended temperature range from -40 °C to +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	1149871
Packing unit	100 pc
Minimum order quantity	100 pc
Sales key	AB12
Product key	ABNADA
GTIN	4063151144579
Weight per piece (including packing)	7.77 g
Weight per piece (excluding packing)	7.77 g
Customs tariff number	85366930
Country of origin	TW

Technical data

Product properties

Slots	1x1 single-port
Orientation to PCB	180.00 °
Type	THD
Connection profile	RJ45
Number of positions	8 (8P8C)
Type of locking	Snap-in locking
Shielding	Shielded
Status display	LED (green, yellow)
Processing notes	Wave
Type of packaging	Tray
Power transmission	PoE++ (according to IEEE 802.3bt)
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

Pollution degree	2
Overvoltage category	I (IEC 60664-1)
Rated voltage	72 V DC
Rated surge voltage	1.5 kV DC (IEC 60664-1)
Rated current	1.5 A (IEC 60603-7)
Insulation resistance	> 500 MΩ (IEC 60603-7)
Test voltage (Contact/contact)	1.5 kV DC (IEC 60603-7)
Test voltage (Contact/shield)	1.5 kV DC (IEC 60603-7)

Dimensions

Length	16.7 mm
Width	16.15 mm
Height	20.55 mm
Installed height	16.70 mm
Data pin length	3.25 mm

Material specifications

Material Contact carrier	PA
Flame resistance	UL 94 V0
Halogen-free	no
Material Housing	Copper alloy
Material Housing coating	Ni (0,508 µm / 20 µ")
Material Housing pin coating (top layer/selective)	Ni (0,508 µm / 20 µ")
Material Contact	Phosphor bronze
Material Solder contact coating (intermediate layer)	Ni (1.27 µm/50 µ")

Material Solder contact coating (top layer/selective)	Au (Flash)
Material Plug contact coating (top layer/selective)	Au (0,152 µm / 6 µ")
Material Plug contact coating (intermediate layer)	Ni (1.27 µm/50 µ")

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

Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Degree of protection (plugged in)	IP20 (IEC 60603-7)
Degree of protection (Not plugged in)	IP20 (IEC 60603-7)

Test specification for vibration - sine

Acceleration	50 m/s²
Amplitude	0.35 mm
Sweep speed	1 octave/min

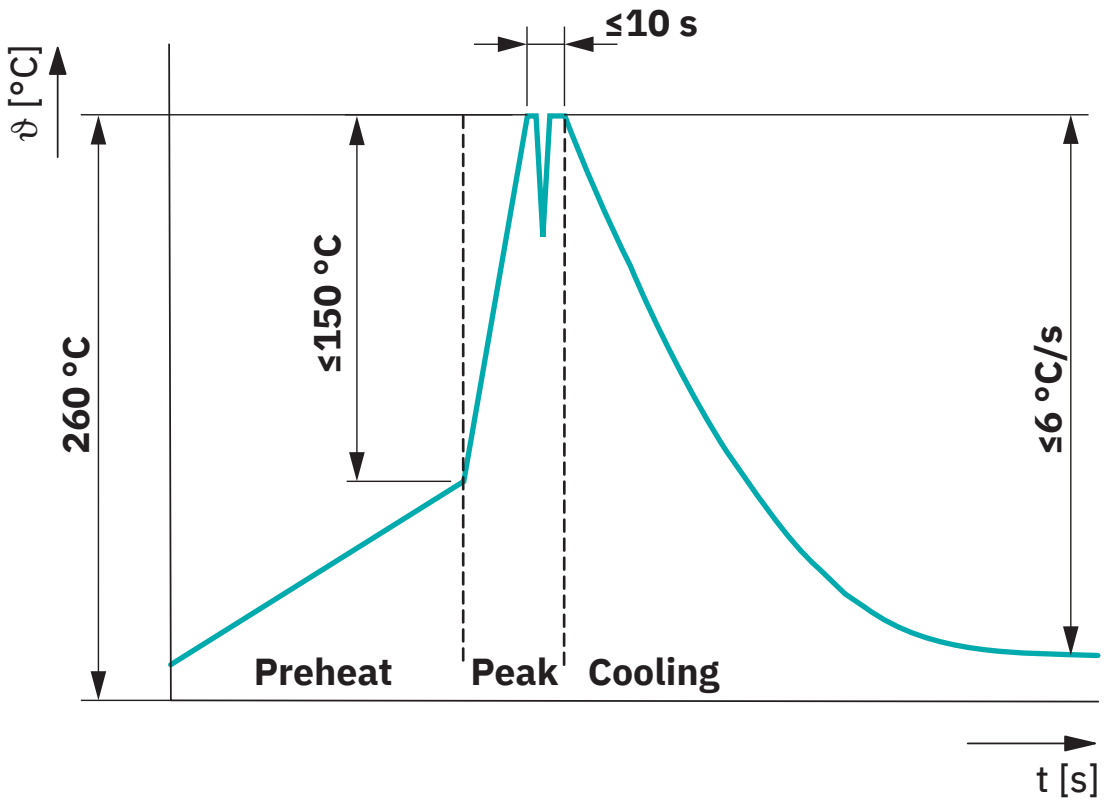
Mounting

Processing notes

Mounting type	THT

Drawings

Diagram



Classification wave soldering profile

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 10.0	EC002637

UNSPSC

UNSPSC 21.0	39121400

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%

EF3.1 Climate Change

CO2e kg	0.239 kg CO2e

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