CUC-MP-J1ST-A/4R4LT - Modular RJ45 PCB connectors

1149851

https://www.phoenixcontact.com/us/products/1149851

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

Modular RJ45 PCB connectors, 1x4 multi-port, connection direction of the connector to the PCB: 90 °, Tab up, Shielded, shield springs, number of positions: 8, 10 Gbps, PoE++, THT, Wave, 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	1149851
Packing unit	30 pc
Minimum order quantity	30 pc
Sales key	AB12
Product key	ABNADA
GTIN	4063151145859
Weight per piece (including packing)	16.963 g
Weight per piece (excluding packing)	16.963 g
Customs tariff number	85366930
Country of origin	TW

CUC-MP-J1ST-A/4R4LT - Modular RJ45 PCB connectors

1149851

https://www.phoenixcontact.com/us/products/1149851

Technical data

Product properties

Product type	Data connector (device side)
Slots	1x4 multi-port
Orientation to PCB	90.00 °
Type	THD
Number of positions	8 (8P8C)
Type of locking	Snap-in locking Tab up
Shielding	Shielded, shield springs
application range	Wave
Type of packaging	Tray
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

Signaling

Status display present	no

Dimensions

Width	68.8 mm
Height	19 mm
Length	15.9 mm
Installed height	13.68 mm
Orientation to PCB	90.00 °
Data pin length	2.54 mm

Material specifications

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")
Material Solder contact coating (top layer/selective)	Au (Flash)
Material Solder contact coating (intermediate layer)	Ni (1.27 µm/50 µ")
Material Housing	Ni
Material Contact	Phosphor bronze
Material Housing pin coating (top layer/selective)	Ni
Material Contact carrier	PA

Cable/line

Shielding	Shielded, shield springs
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/s²
Test duration	20.00 s

Test specification

Specification	IEC60068-2-27
Acceleration	295.00 m/s²

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

Mounting

Mounting type	THT

Processing notes

Classification temperature T_c	260 °C

Packaging specifications

Type of packaging	Tray

Drawings

Diagram
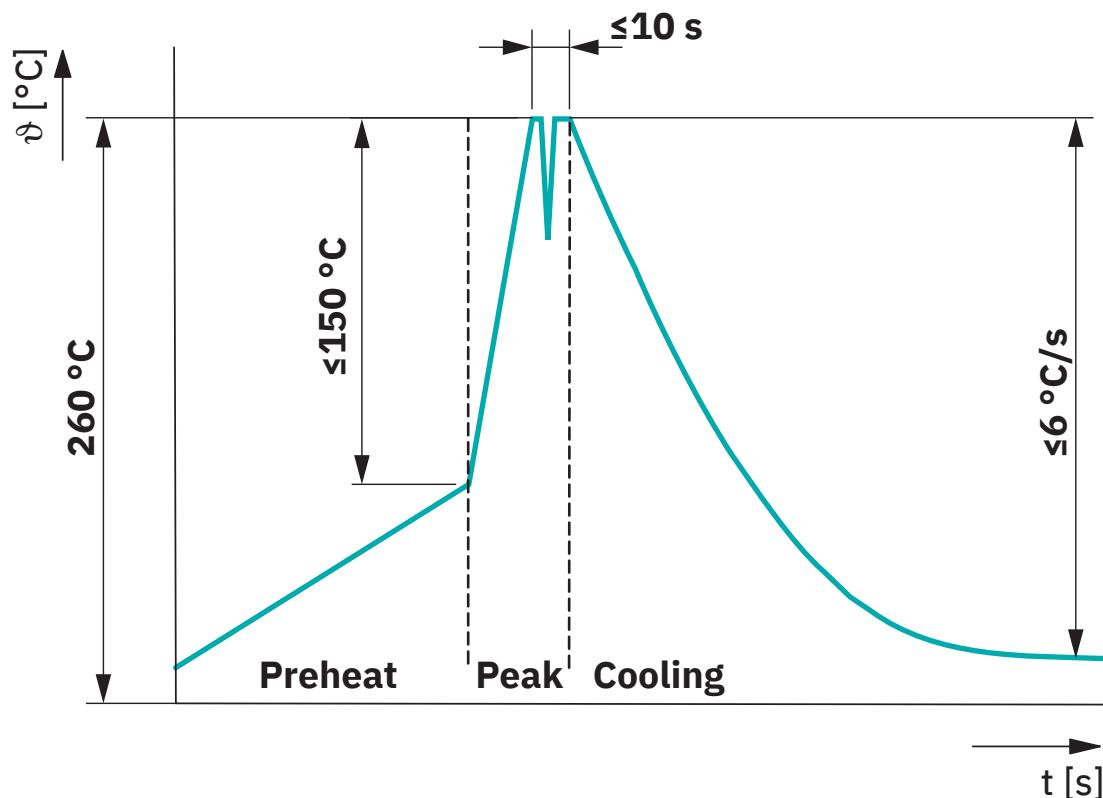
Classification wave soldering profile

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1149851

cUL Recognized
Approval ID: FILE E 335024

UL Recognized
Approval ID: FILE E 335024

CUC-MP-J1ST-A/4R4LT - Modular RJ45 PCB connectors

1149851

https://www.phoenixcontact.com/us/products/1149851

Classifications

ECLASS

ECLASS-13.0	27460201
ECLASS-15.0	27460201

ETIM

ETIM 9.0	EC002637

UNSPSC

UNSPSC 21.0	39121400

CUC-MP-J1ST-A/4R4LT - Modular RJ45 PCB connectors

1149851

https://www.phoenixcontact.com/us/products/1149851

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%