

VS-08-BU-RJ45-10G/LH-1 - RJ45 PCB connector



1420401

<https://www.phoenixcontact.com/us/products/1420401>

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RJ45 PCB connector, design: RJ45, number of positions: 8, 10 Gbps, PCB mounting, degree of protection: IP20, connection method: THT wave, PE bag

Your advantages

- Through-hole technology (THT) provides high mechanical stability when connecting the female connector to the PCB
- Enables data transmission speeds of up to 10 Gbps in accordance with CAT6A
- Safe transmission due to shielding

Commercial data

Item number	1420401
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB12
Product key	ABNADC
GTIN	4046356547895
Weight per piece (including packing)	5.4 g
Weight per piece (excluding packing)	3.202 g
Customs tariff number	85366930
Country of origin	JP

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Technical data

Product properties

Product type	Data connector (device side)
Number of positions	8
Connection profile	RJ45
Housing shield springs	Yes
Number of slots	1
Shielded	yes

Insulation characteristics

Overvoltage category	I
Degree of pollution	2

Electrical properties

Rated voltage (III/2)	72 V DC
Rated voltage (III/3)	72 V (DC)
Rated surge voltage	1.5 kV DC
Rated surge voltage (III/3)	1.5 kV
Rated surge voltage	1 kV DC
Insulation resistance	> 500 MΩ
Test voltage	1 kV DC
Test voltage Core/Core	1 kV DC
Test voltage Core/Shield	1.50 kV DC
Transmission medium	Copper
Transmission speed	10 Gbps
Transmission speed	10 Gbps

Connection data

Connection technology

Connection method	THT wave
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Dimensions

Width	17.3 mm
Height	18.4 mm
Length	14.2 mm
Installed height	12.70 mm
Orientation to PCB	90.00 °
Data pin length	3.20 mm

Material specifications

Material Metal surface contact area (top layer)	Au (1.27 µm/50 µ")
Material Metal surface contact area (middle layer)	Ni
Material Metal surface soldering area (top layer)	Au

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Material Metal surface soldering area (middle layer)	Ni
Material Housing	Sn (Shield contact)
Material Contact	Copper alloy
Material Housing	Plastic
Flammability rating according to UL 94	V0

Cable/line

Test voltage Core/Core	1 kV DC
Test voltage Core/Shield	1.50 kV DC
Halogen-free	no

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 750
Insertion force per signal contact	< 20.00 N
Extraction force per signal contact	< 20 N

Environmental and real-life conditions

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

Mounting

Mounting type	PCB mounting
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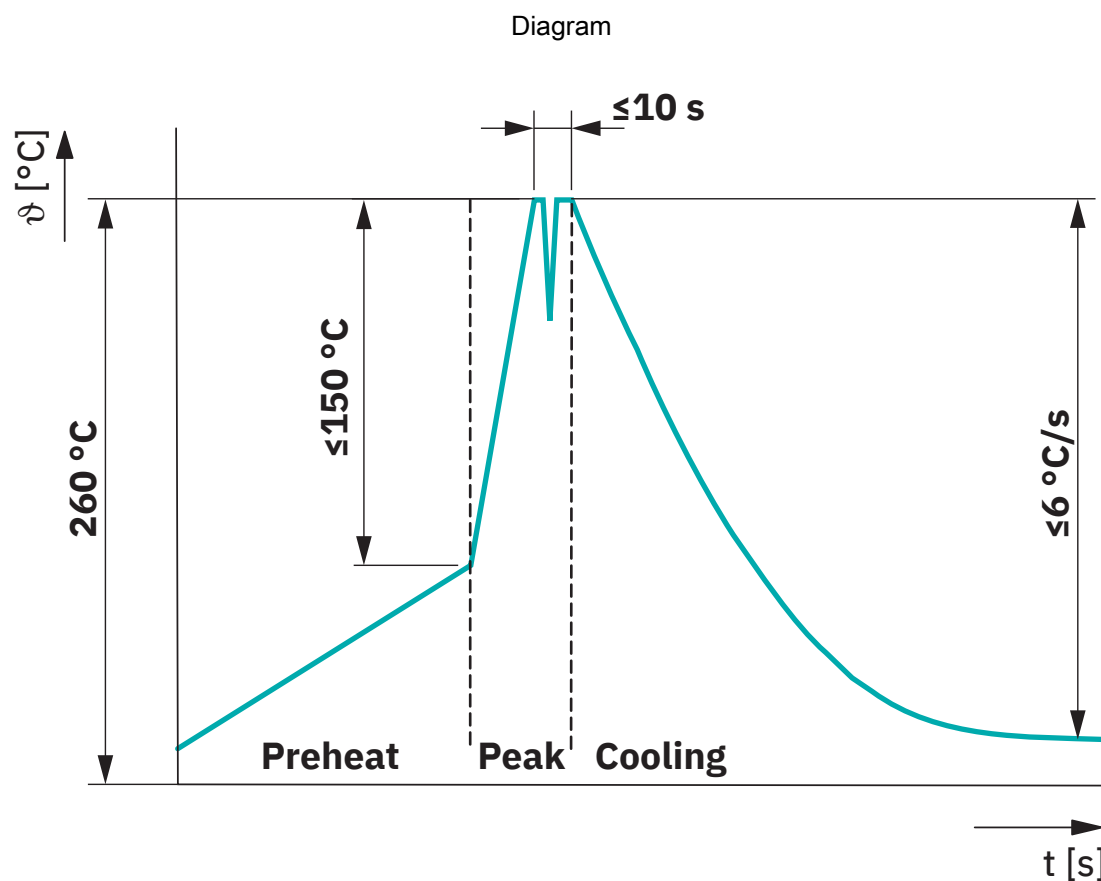
Processing notes

Classification temperature T _c	260 °C
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Packaging specifications

Type of packaging	PE bag
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Drawings



Classification wave soldering profile

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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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