

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, degree of protection: IP20, number of positions: 8, 10 Gbps, material: Plastic, connection method: THT wave, cable outlet: straight

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
Catalog page	Page 85 (C-2-2013)
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)
Type	RJ45
Number of positions	8
Connection profile	RJ45
Type of packaging	PE bag
Housing shield springs	Yes
Number of slots	1
Type	Socket
Shielded	yes
Cable outlet	straight

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

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

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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
Material Metal surface soldering area (middle layer)	Ni
Material	Copper alloy (Housing (shielding))
Flammability rating according to UL 94	V0
Housing material	Plastic
Housing surface material	nickel-plated
Contact material	Copper alloy
Contact surface material	Gold

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	IP20
Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

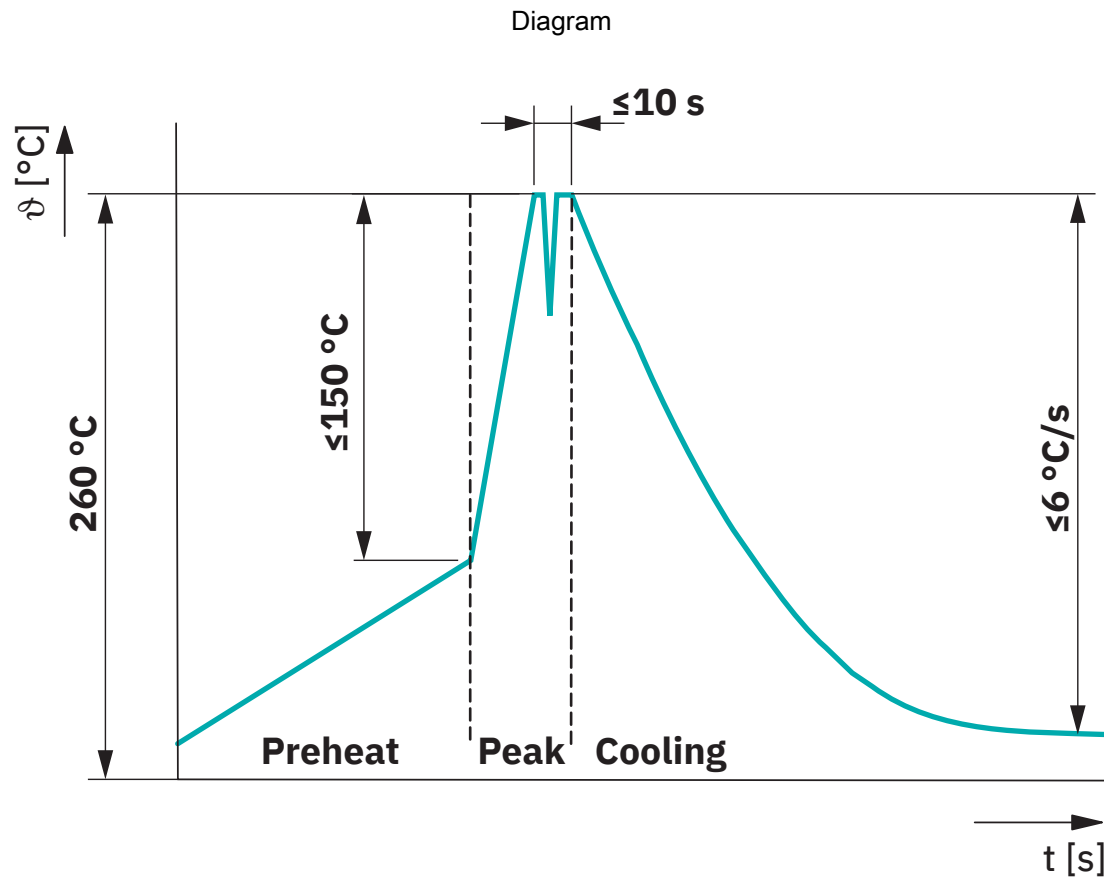
Mounting

Mounting type	PCB mounting
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Processing notes

Classification temperature T _c	260 °C
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Drawings



Classification wave soldering profile

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Classifications

ECLASS

ECLASS-13.0	27460201
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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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