

# VS-08-BU-RJ45-10G/LH-1 - Modular RJ45 PCB connectors



1420401

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

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, 1x1 single-port, connection direction of the connector to the PCB: 90 °, Tab up, Shielded, shield springs, number of positions: 8, 10 Gbps, THT, THD, Wave, IP20, type of packaging: Box

## 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)	5.5 g
Weight per piece (excluding packing)	3.202 g
Customs tariff number	85366930
Country of origin	JP

# VS-08-BU-RJ45-10G/LH-1 - Modular RJ45 PCB connectors



1420401

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

## Technical data

### Product properties

Slots	1x1 single-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
Processing notes	Wave
Type of packaging	Box
Transmission speed	10 Gbps

### Electrical properties

Pollution degree	2 (IEC 60664-1)
Overvoltage category	I (IEC 60664-1)
Rated voltage	72 V DC
Rated surge voltage	1.5 kV DC (IEC 60664-1)
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	14.2 mm
Width	17.3 mm
Height	18.4 mm
Installed height	12.70 mm
Data pin length	3.20 mm

### Material specifications

Material Contact carrier	TP
Flame resistance	UL 94 V0
Halogen-free	no
Material Housing	Copper alloy
Material Housing coating	Ni
Material Housing pin coating (top layer/selective)	Ni
Material Contact	Copper alloy
Material Solder contact coating (intermediate layer)	Ni
Material Solder contact coating (top layer/selective)	Au
Material Plug contact coating (top layer/selective)	Au (1.27 μm/50 μ")
Material Plug contact coating (intermediate layer)	Ni

### Mechanical properties

# VS-08-BU-RJ45-10G/LH-1 - Modular RJ45 PCB connectors



1420401

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

## 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)

## Mounting

### Processing notes

Mounting type	THT
---------------	-----

# VS-08-BU-RJ45-10G/LH-1 - Modular RJ45 PCB connectors



1420401

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

## Drawings



Classification wave soldering profile

# VS-08-BU-RJ45-10G/LH-1 - Modular RJ45 PCB connectors



1420401

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

## Classifications

### ECLASS

ECLASS-13.0	27460201
ECLASS-15.0	27460201

### ETIM

ETIM 10.0	EC002637
-----------	----------

### UNSPSC

UNSPSC 21.0	39121400
-------------	----------

# VS-08-BU-RJ45-10G/LH-1 - Modular RJ45 PCB connectors



1420401

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

## 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	0.417 kg CO2e
---------	---------------

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)