

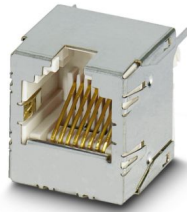
# VS-08-BU-RJ45-6/LV-1 - Modular RJ45 PCB connectors



1653090

<https://www.phoenixcontact.com/us/products/1653090>

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Modular RJ45 PCB connectors, 1x1 single-port, connection direction of the connector to the PCB: 180 °, Shielded, shield springs, number of positions: 8, 1 Gbps, THT, Wave, type of packaging: Box

## Your advantages

- Through-hole technology (THT) provides high mechanical stability when connecting the female connector to the PCB
- The extended temperature range from -25°C to +80°C enables use in demanding applications
- Safe transmission due to shielding

## Commercial data

Item number	1653090
Packing unit	5 pc
Minimum order quantity	5 pc
Sales key	AB12
Product key	ABNADC
GTIN	4017918970048
Weight per piece (including packing)	7.21 g
Weight per piece (excluding packing)	5 g
Customs tariff number	85366930
Country of origin	JP

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## Technical data

### Notes

General	For use in the panel mounting frame IP67 only possible in VS-PPC-F1-RJ45-...-1R-PHA.
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### Product properties

Product type	Data connector (device side)
Slots	1x1 single-port
Orientation to PCB	180.00 °
Type	THD
Number of positions	8 (8P8C)
Type of locking	Snap-in locking
Shielding	Shielded, shield springs
application range	Wave
Type of packaging	Box
Transmission speed	1 Gbps1 Gbps

### Electrical properties

Rated voltage	72 V DC
Rated surge voltage	1.5 kV DC (IEC 60664-1)
Rated current	1 A
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	1 Gbps

### Connection data

#### Connection technology

Connection method	Female
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### Signaling

Status display present	no
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### Dimensions

Width	16.5 mm
Height	16 mm
Length	20.3 mm
Installed height	16.50 mm
Orientation to PCB	180.00 °
Data pin length	3.80 mm

### Material specifications

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

## 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

### 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)	-25 °C ... 80 °C
Ambient temperature (storage/transport)	-25 °C ... 80 °C

## Standards and regulations

Flame resistance	UL 94 V0
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## Mounting

Mounting type	THT
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### Processing notes

Classification temperature T <sub>c</sub>	260 °C
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## Packaging specifications

Type of packaging	Box
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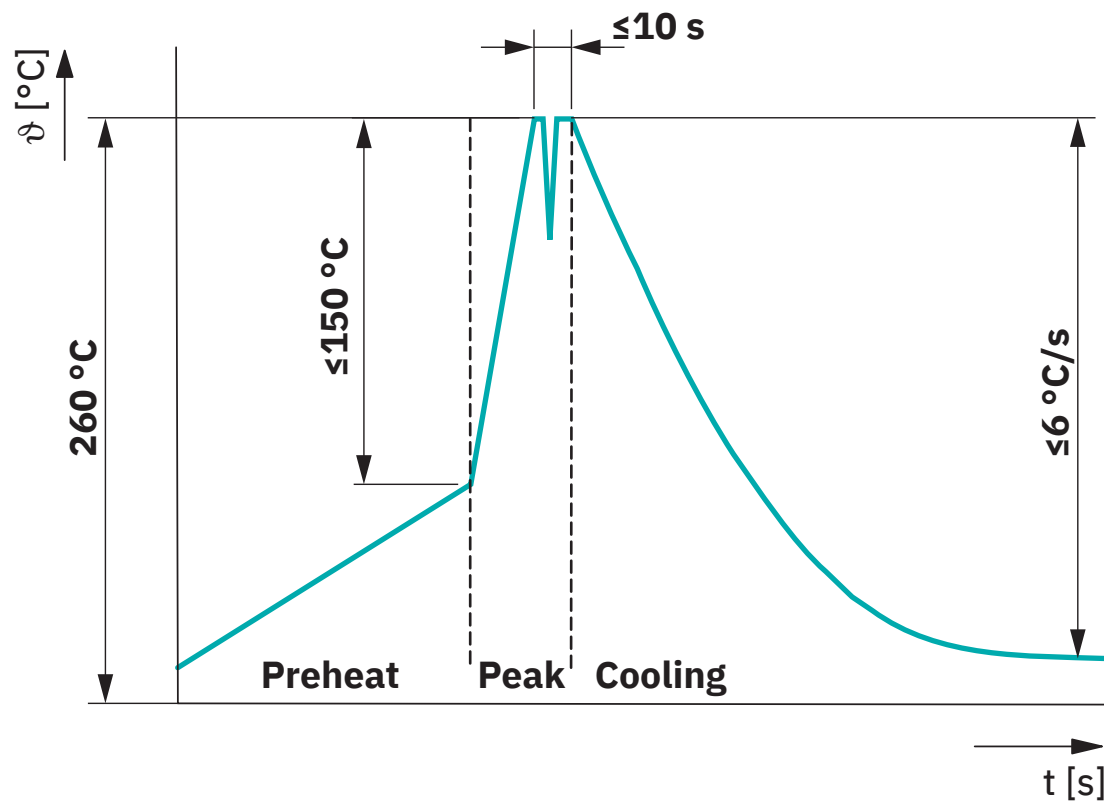


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## Drawings

Diagram



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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