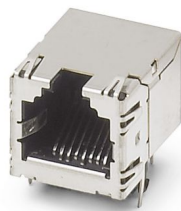


1653087

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RJ45 PCB connectors, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5 (IEC 11801:2002), material: Metal, 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
- The extended temperature range from -25°C to +80°C enables use in demanding applications
- Safe transmission due to shielding

Commercial data

Item number	1653087
Packing unit	5 pc
Minimum order quantity	1 pc
Product key	ABNADC
Catalog page	Page 85 (C-2-2013)
GTIN	4017918970031
Weight per piece (including packing)	7.02 g
Weight per piece (excluding packing)	7 g
Customs tariff number	85366930
Country of origin	JP

VS-08-BU-RJ45-6/LH-1 - RJ45 PCB connectors



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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
Rated current	1 A
Insulation resistance	> 500 MΩ
Test voltage	1 kV DC
Test voltage Core/Core	1 kV DC
Test voltage Core/Shield	1.50 kV DC
Contact resistance per contact pair	max. 230 mΩ
Transmission medium	Copper
Transmission speed	1 Gbps

Connection data

Connection technology

Connection method	THT wave
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Dimensions

Width	17.6 mm
Height	18.1 mm
Length	21 mm
Installed height	13.80 mm
Orientation to	90.00 °

VS-08-BU-RJ45-6/LH-1 - RJ45 PCB connectors



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Data pin length	3.60 mm
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Material specifications

Material	Au (1.27 µm/50 µ") (Metal surface contact area (top layer))
	Ni (Metal surface contact area (middle layer))
	Au (Metal surface soldering area (top layer))
	Ni (Metal surface soldering area (middle layer))
	Copper alloy (Housing (shielding))
Flammability rating according to UL 94	V0
Housing material	Metal
Contact material	Phosphor bronze
Contact surface material	Gold
Contact carrier material	PBT

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

Mounting

Mounting type	PCB mounting
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Processing notes

Classification temperature T _c	260 °C
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VS-08-BU-RJ45-6/LH-1 - RJ45 PCB connectors

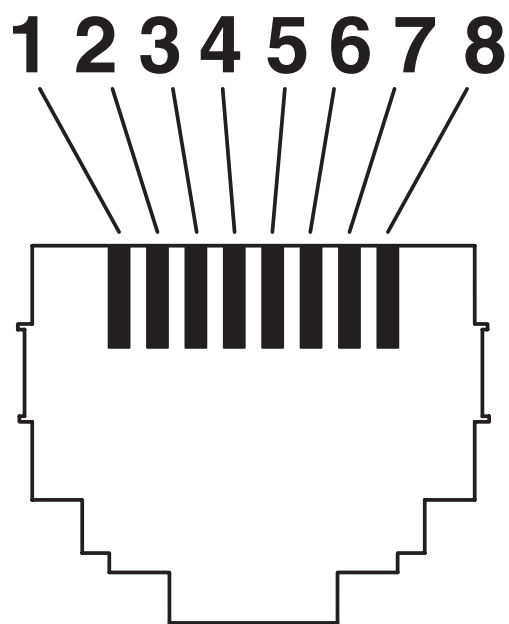
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Drawings

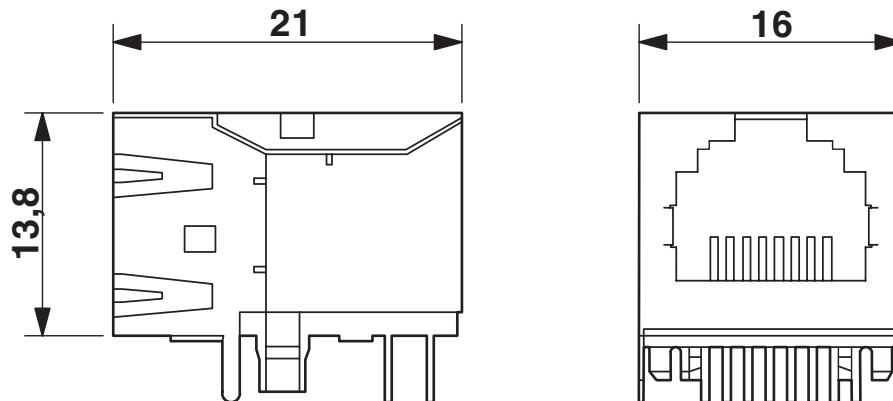
Schematic diagram



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Dimensional drawing



RJ45 socket insert

VS-08-BU-RJ45-6/LH-1 - RJ45 PCB connectors



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Classifications

ECLASS

ECLASS-11.0	27440223
ECLASS-12.0	27440223
ECLASS-13.0	27440223

ETIM

ETIM 9.0	EC003557
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UNSPSC

UNSPSC 21.0	39121400
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VS-08-BU-RJ45-6/LH-1 - RJ45 PCB connectors



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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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