CUC-SP-J1ST-A/R4LT-THR - RJ45 PCB connectors

1337240

https://www.phoenixcontact.com/us/products/1337240

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RJ45 PCB connectors, degree of protection: IP20, number of positions: 8, 10 Gbps, material: Metal, connection method: THR reflow/THT wave

Your advantages

- The right version for every application. Available with and without LED, single- and multi-port
- The reflow capability enables efficient, cost-optimized processing
- High standoffs allow ideal thermal airflow during processing
- Tape-on-reel packaging is perfect for automated processing
- The extended temperature range from -50 °C ... +85 °C enables use in demanding applications
- Through-hole technology (THT) provides high mechanical stability when connecting the female connector to the PCB

Commercial data

Item number	1337240
Packing unit	120 pc
Minimum order quantity	120 pc
Sales key	AB12
Product key	ABNADA
GTIN	4063151639044
Weight per piece (including packing)	6.61 g
Weight per piece (excluding packing)	6.61 g
Customs tariff number	85366930
Country of origin	CN

Technical data

Product properties

Product type	Data connector (device side)
Type	RJ45
Number of positions	8
Connection profile	RJ45
Type of packaging	Tape and Reel
[W] tape width	44.00 mm
[A] coil diameter	330.00 mm
[W2] coil overall dimension	49.10 mm
Housing shield springs	No
Number of slots	1
Type	Socket
Shielded	yes

Data management status

Article revision	00

Insulation characteristics

Overvoltage category	I
Degree of pollution	2

Electrical properties

Rated voltage (III/2)	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	1.5 A
Frequency range	10 Hz ... 500 Hz
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
Power transmission	PoE++

Connection data

Connection technology

Connection method	THR reflow/THT wave

Dimensions

Width	16.8 mm

Height	16.6 mm
Length	15.9 mm
Installed height	13.70 mm
Orientation to	90.00 °
Data pin length	2.00 mm

Material specifications

Material	Au (1.27 µm/50 µ") (Metal surface contact area (top layer))
	Sn (2.54 µm/100 µ") (Metal surface soldering area (top layer))
	Ni (1.27 µm/50 µ") (Metal surface soldering area (middle layer))
	Ni (1.27 µm/50 µ") (Metal surface contact area (middle layer))
	Stainless steel (Housing (shielding))
	LCP (Housing (female/insert))
Flammability rating according to UL 94	V0
Housing material	Metal
Contact material	Phosphor bronze
Contact surface material	Gold over nickel
Contact carrier material	LCP

Cable/line

Test voltage Core/Core	1 kV DC
Test voltage Core/Shield	1.50 kV DC
Halogen-free	yes

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

Test specification

Frequency	10-500 Hz
Sweep speed	1 octave/min
Amplitude	0.35 mm
Acceleration	50.00 m/s²
Test duration	20.00 s

Test specification

Specification	IEC60068-2-27
Acceleration	295.00 m/s²

Ambient conditions

Degree of protection	IP20

Ambient temperature (operation)	-50 °C ... 85 °C
Ambient temperature (storage/transport)	-50 °C ... 85 °C

Mounting

Mounting type	PCB mounting

Processing notes

Process	THR
Moisture Sensitive Level	MSL 1
Classification temperature T_c	260 °C
Solder cycles in the reflow	3

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1337240

UL Recognized
Approval ID: FILE E 335024

Classifications

ECLASS

ECLASS-11.0	27440390
ECLASS-12.0	27440390
ECLASS-13.0	27460201

UNSPSC

UNSPSC 21.0	39121400

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%

Accessories

VS-08-RJ45-10G/Q - RJ45 connector

1419001

https://www.phoenixcontact.com/us/products/1419001



RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 10 Gbps, $CAT6_A$, material: Plastic, connection method: Insulation displacement connection, connection cross section: AWG 26- 24, cable outlet: straight, color: black, Ethernet

VS-08-RJ45-5-Q/IP20 - RJ45 connector

1656725

https://www.phoenixcontact.com/us/products/1656725



RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5, material: Plastic, connection method: Insulation displacement connection, connection cross section: AWG 26- 23, cable outlet: straight, color: traffic grey A RAL 7042, Ethernet

VS-08-RJ45-5-Q/IP20 BK - RJ45 connector

1658008

https://www.phoenixcontact.com/us/products/1658008



RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5, material: Plastic, connection method: Insulation displacement connection, connection cross section: AWG 26- 23, cable outlet: straight, color: black, Ethernet

VS-PN-RJ45-5-Q/IP20 - RJ45 connector

1658435

https://www.phoenixcontact.com/us/products/1658435



RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 4, 100 Mbps, CAT5, material: Plastic, connection method: Insulation displacement connection, cable outlet: straight, color: traffic grey A RAL 7042, PROFINET

CUC-IND-C1ZNI-S/R4IP10G8 - RJ45 connector

1149847

https://www.phoenixcontact.com/us/products/1149847



RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 10 Gbps, $CAT6_A$, material: Metal, connection method: Insulation displacement connection, connection cross section: AWG 23- 22, cable outlet: straight, color: yellow, Ethernet

CUC-IND-C1ZNI-S/R4IE10G8 - RJ45 connector

1149846

https://www.phoenixcontact.com/us/products/1149846



RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 10 Gbps, $CAT6_A$, material: Metal, connection method: Insulation displacement connection, connection cross section: AWG 26- 24, cable outlet: straight, color: yellow, Ethernet

CUC-IND-C1ZNI-S/R4IP8 - RJ45 connector

1421126

https://www.phoenixcontact.com/us/products/1421126



RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5, material: Metal, connection method: Insulation displacement connection, connection cross section: AWG 23- 22, cable outlet: straight, color: green, Ethernet/PROFINET

CUC-IND-C1ZNI-S/R4IE8 - RJ45 connector

1421607

https://www.phoenixcontact.com/us/products/1421607



RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5, material: Metal, connection method: Insulation displacement connection, connection cross section: AWG 26- 24, cable outlet: straight, color: green, Ethernet

CUC-IND-C1ZNI-B/R4IP8 - RJ45 connector

1421127

https://www.phoenixcontact.com/us/products/1421127



RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5, material: Metal, connection method: Insulation displacement connection, connection cross section: AWG 23- 22, cable outlet: angled, Ethernet/PROFINET

CUC-IND-C1ZNI-B/R4IE8 - RJ45 connector

1421876

https://www.phoenixcontact.com/us/products/1421876



RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5, material: Metal, connection method: Insulation displacement connection, connection cross section: AWG 26- 24, cable outlet: angled, Ethernet

CUC-IND-C1ZNI-T/R4IP8 - RJ45 connector

1421128

https://www.phoenixcontact.com/us/products/1421128



RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5, material: Metal, connection method: Insulation displacement connection, connection cross section: AWG 23- 22, cable outlet: angled, Ethernet/PROFINET

CUC-IND-C1ZNI-T/R4IE8 - RJ45 connector

1421877

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RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5, material: Metal, connection method: Insulation displacement connection, connection cross section: AWG 26- 24, cable outlet: angled, Ethernet

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