

CUC-IA2G-J1ST-AB/R4T-L1 - Filtered RJ45 PCB connectors



1664100

<https://www.phoenixcontact.com/us/products/1664100>

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Filtered RJ45 PCB connectors, design: THD, number of positions: 8 (8P8C), 1 Gbps, degree of protection: IP20, connection method: Female, Tray

Your advantages

- Simplified Ethernet design process thanks to integrated filtering
- Reduced PCB complexity and reduced EMC risks
- Automated processing thanks to reflow solderability
- Ideal version for any application thanks to wide range of products
- Equipped for demanding areas of application thanks to industrial design

Commercial data

Item number	1664100
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	AB12
Product key	ABNAFA
GTIN	4067923204638
Weight per piece (including packing)	9.274 g
Weight per piece (excluding packing)	6.3 g
Customs tariff number	85366930
Country of origin	CN

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Technical data

Product properties

Product type	Data connector (device side)
Sensor type	Universal
Number of positions	8
Note number of positions	8P8C
Connection profile	RJ45
Housing shield springs	No
Number of slots	1
Shielded	yes

Insulation characteristics

Overvoltage category	I
Degree of pollution	2

Electrical properties

Rated surge voltage	1.5 kV
Rated current	0.5 A
Insulation resistance	> 500 MΩ
Transmission speed	1 Gbps
Transmission speed	1 Gbps

Connection data

Connection technology

Connection method	Female
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Signaling

Status display present	yes
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Dimensions

Width	15.9 mm
Height	17.13 mm
Length	21.35 mm
Installed height	13.63 mm
Orientation to PCB	90.00 °
Data pin length	3.50 mm

Material specifications

Material Metal surface contact area (top layer)	Au (0.762 µm/30 µ")
Material Metal surface contact area (middle layer)	Ni (1,270 µm min / 50 µ" min)
Material Metal surface soldering area (middle layer)	Ni (1,016 µm min / 40 µ" min)
Material Metal surface soldering area (top layer)	Sn (3,048 µm min / 120 µ" min)
Material	Copper alloy (Housing (shielding))

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	Ni (0.762 µm min / 30 µ" min) (Housing shielding (top layer))
Material Contact	Phosphor bronze
Material	Metal (Housing (female/insert))

Cable/line

Test voltage Core/Shield	1.50 kV DC
Halogen-free	yes
Flame resistance	UL 94 V0

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 750
Insertion force	< 20 N
Withdrawal force	< 20 N

Environmental and real-life conditions

Test specification

Specification	IEC 60603-7
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Ambient conditions

Degree of protection (when plugged in)	IP20
Degree of protection	IP20
	IP20
Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

Standards and regulations

Flame resistance	UL 94 V0
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Mounting

Processing notes

Classification temperature T _c	260 °C
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Packaging specifications

Type of packaging	Tray
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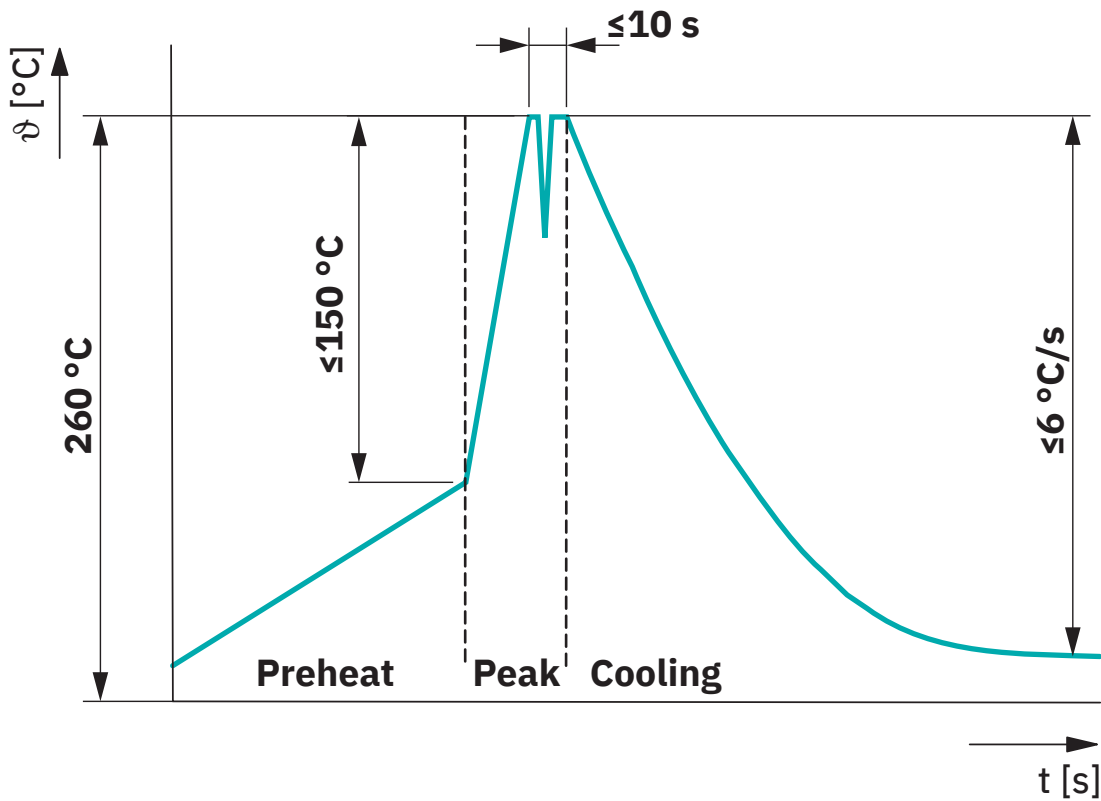
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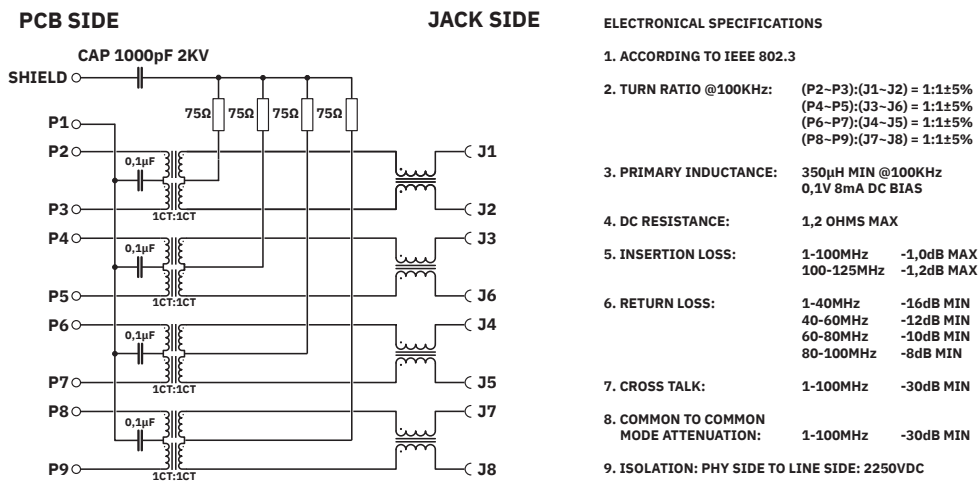
Drawings

Diagram



Classification wave soldering profile

Circuit diagram



Circuit diagram

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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
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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