

CUC-IA5M-J1ST-AB/R4T - RJ45 PCB connector



1664070
<https://www.phoenixcontact.com/us/products/1664070>

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RJ45 PCB connector, number of positions: 8, 100 Mbps, THT wave, degree of protection: IP20, 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	1664070
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	AB12
Product key	ABNAFA
GTIN	4067923204348
Weight per piece (including packing)	8.744 g
Weight per piece (excluding packing)	6.1 g
Customs tariff number	85366930
Country of origin	CN

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Technical data

Product properties

Product type	Data connector (device side)
Number of positions	8
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	100 Mbps
Transmission speed	10/100 Mbps

Signaling

Status display present	no
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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))
	Ni (0.762 µm min / 30 µ" min) (Housing shielding (top layer))
Material Contact	Phosphor bronze
Material	LCP (Housing (female/insert))

Cable/line

Halogen-free	yes
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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
Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

Mounting

Mounting type	THT wave
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Processing notes

Classification temperature T _c	260 °C
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Packaging specifications

Type of packaging	Tray
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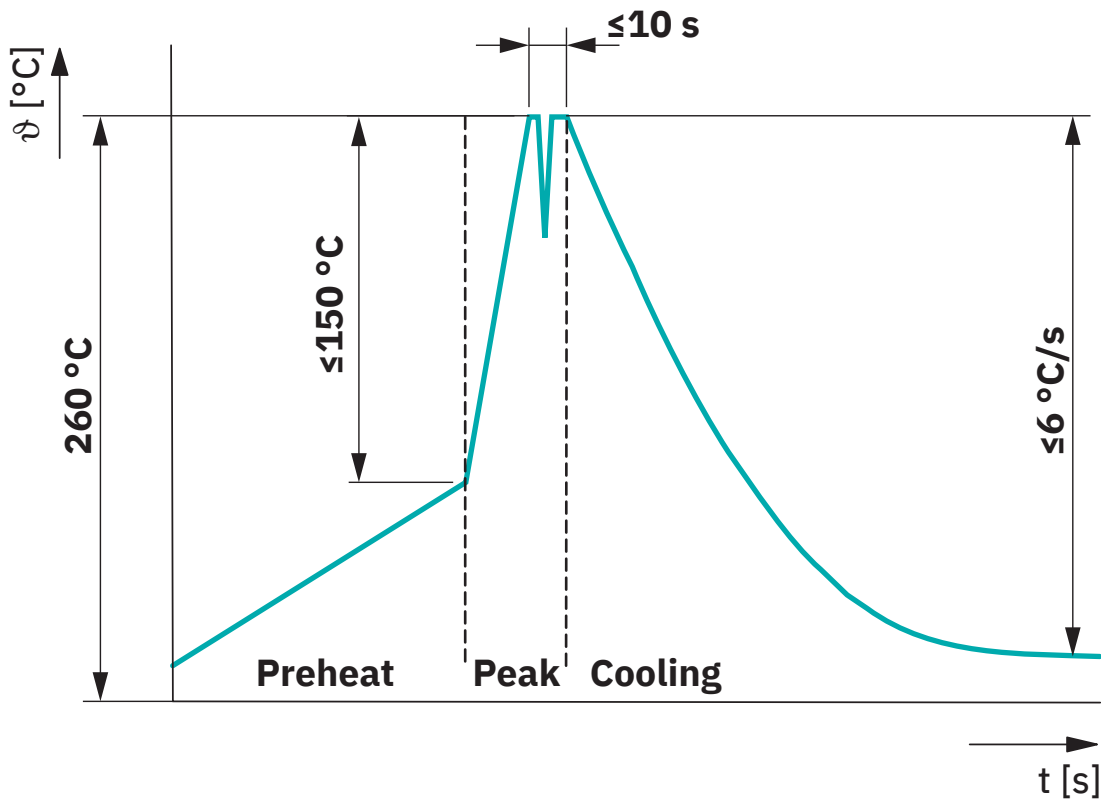
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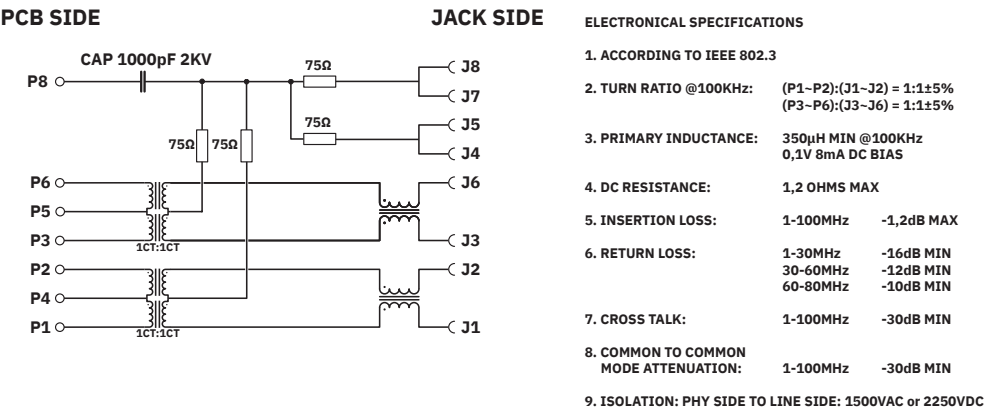
Drawings

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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