

1149873

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RJ45 PCB connector, design: RJ45, degree of protection: IP20, number of positions: 8, 10 Gbps, material: Metal, connection method: SMD reflow

Your advantages

- The reflow capability enables efficient, cost-optimized processing
- · Tape-on-reel packaging is perfect for automated processing
- The extended temperature range from -40 °C to +85 °C enables use in demanding applications

Commercial data

Item number	1149873
Packing unit	100 pc
Minimum order quantity	100 pc
Sales key	ABNADB
Product key	ABNADB
GTIN	4063151145569
Weight per piece (including packing)	7.503 g
Weight per piece (excluding packing)	6.016 g
Customs tariff number	85366930
Country of origin	TW



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Technical data

Product properties

Product type	Data connector (device side)
Туре	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	49.00 mm
Housing shield springs	No
Number of slots	1
Туре	Socket
Shielded	yes
LED	yes
Insulation characteristics	
Overvoltage category	ı
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	SMD reflow	

Dimensions

Width	18.8 mm
Height	13.5 mm



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Length	15.75 mm
Installed height	13.50 mm
Orientation to PCB	90.00 °

Material specifications

Material Metal surface contact area (top layer)	Au (0.152 μm/6 μ")
Material Metal surface contact area (middle layer)	Ni (1.27 μm/50 μ")
Material Metal surface soldering area (middle layer)	Ni (1.27 μm/50 μ")
Material	Copper alloy (Housing (shielding))
Flammability rating according to UL 94	V0
Housing material	Metal
Housing surface material	Ni
Contact material	Phosphor bronze
Contact surface material	Gold
Contact carrier material	PA 9T GF

Cable/line

Test voltage Core/Core	1 kV DC
Test voltage Core/Shield	1.50 kV DC
Halogen-free	no
Flame resistance	UL 94 V0

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

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Specification	IEC60068-2-27
Acceleration	295.00 m/s²

Ambient conditions

Ambient Conditions	
Degree of protection	IP20
Ambient temperature (operation)	-40 °C 85 °C
Ambient temperature (storage/transport)	-40 °C 85 °C



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Standards and regulations

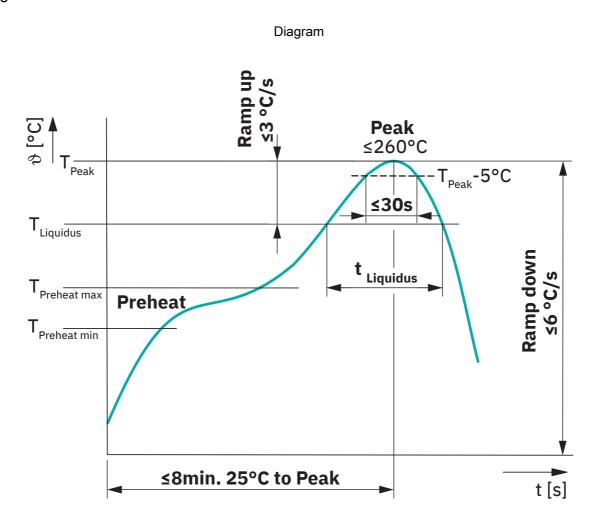
Flame resistance	UL 94 V0			
Mounting				
Mounting type	SMD soldering			
Processing notes				
Moisture Sensitive Level	MSL 1			
Classification temperature T _c	260 °C			
Solder cycles in the reflow	3			



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Drawings



Classification reflow soldering profile



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Approvals

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cUL Recognized

Approval ID: FILE E 335024



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Classifications

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	ECLASS-13.0	27460201		
ETIM				
	ETIM 9.0	EC002637		
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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