

CUC-USB3.1-J1ST-AH/UCF-SMD - USB PCB connectors

1332645
<https://www.phoenixcontact.com/us/products/1332645>

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USB PCB connectors, connection direction of the connector to the PCB: 90 °, number of positions: 16, 480 Mbps, SMD soldering

Your advantages

- Optimized for SMD reflow soldering processes
- Can be processed automatically thanks to tape-on-reel packaging

Commercial data

Item number	1332645
Packing unit	1,000 pc
Minimum order quantity	1,000 pc
Sales key	AB14
Product key	ABNDAC
GTIN	4063151629724
Weight per piece (including packing)	0.811 g
Weight per piece (excluding packing)	0.61 g
Customs tariff number	85366930
Country of origin	CN

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Technical data

Product properties

Product type	Data connector (device side)
Orientation to PCB	90.00 °
Number of positions	16 ()
Transmission speed	480 Mbps

Electrical properties

Rated voltage	20 V
Rated surge voltage	1.5 kV
Rated current	5 A
Contact resistance	40 mΩ
Frequency range	10 Hz ... 55 Hz
Insulation resistance	100 MΩ
Transmission speed	480 Mbps
Transmission characteristics (category)	USB 2.0
Transmission speed	480 Mbps
Power transmission	100 W

Connection data

Connection technology

Connection method	Solder connection
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Dimensions

Width	8.94 mm
Height	3.26 mm
Length	7.3 mm
Orientation to PCB	90.00 °

Material specifications

Color (Housing)	black (RAL 9005)
Material Contact	Copper alloy
Material Contact carrier	LCP
Material Housing	Metal

Cable/line

Halogen-free	yes
Flame resistance	UL 94 V0

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 10000
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Insertion force	20 N
Withdrawal force	< 8 N

Environmental and real-life conditions

Test specification

Specification	EIA 364-1000
Frequency	10-55 Hz
Sweep speed	1 octave/min
Amplitude	1.52 mm
Test duration	2.00 h
Contact resistance R_t	40.00 mΩ

Test specification

Specification	60068-2-27
Acceleration	30.00 g
Number of shocks per direction	18.00

Ambient conditions

Degree of protection (when plugged in)	IP20
Degree of protection (not plugged in)	IP20
Ambient temperature (operation)	-55 °C ... 85 °C

Standards and regulations

Flame resistance	UL 94 V0
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Mounting

Mounting type	SMD soldering
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Processing notes

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

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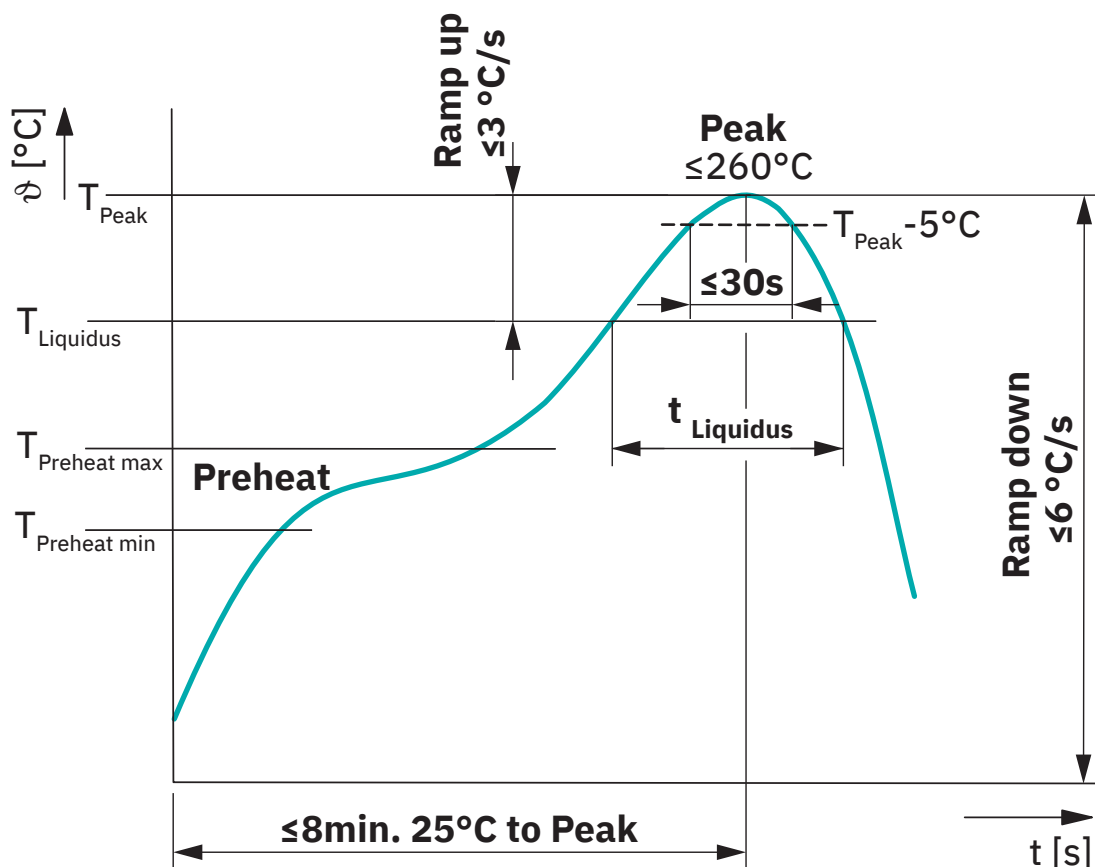


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Drawings

Diagram



Classification reflow soldering profile

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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
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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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