

# 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, degree of protection: IP20, number of positions: 16, 480 Mbps, material: Metal, connection method: Solder connection, USB 2.0



## 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)	22.22 g
Customs tariff number	85366930
Country of origin	CN

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## Technical data

### Product properties

Product type	Data connector (device side)
Type	USB-C
Sensor type	USB 2.0
Number of positions	16
Connection profile	USB-C
Type of packaging	Tape and Reel
[W] tape width	24.00 mm
[A] coil diameter	330.00 mm
Number of slots	1
Type	Socket
Shielded	yes

### Data management status

Article revision	00
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### Insulation characteristics

Overvoltage category	I
Degree of pollution	2

### Electrical properties

Rated voltage (III/2)	20 V
Rated surge voltage (III/2)	1500 V
Rated current	5 A
Contact resistance	40 mΩ
Frequency range	10 Hz ... 55 Hz
Insulation resistance	100 MΩ
Transmission medium	Copper
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 °

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## Material specifications

Color of the housing part	black
Flammability rating according to UL 94	V0
Housing material	Metal
Contact material	Copper alloy
Contact surface material	Gold over nickel
Contact carrier material	LCP

## Cable/line

Test voltage Core/Core	100 V
Test voltage Core/Shield	100.00 V
Acceleration	3.1 m/s <sup>2</sup>
Halogen-free	yes

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	> 10000
Insertion force per signal contact	20.00 N
Extraction force per signal contact	< 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 <sub>1</sub>	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	IP20
Ambient temperature (operation)	-55 °C ... 85 °C

## Mounting

Mounting type	SMD soldering
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### Processing notes

Process	SMD
Moisture Sensitive Level	MSL 1

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Classification temperature $T_c$	260 °C
Solder cycles in the reflow	3

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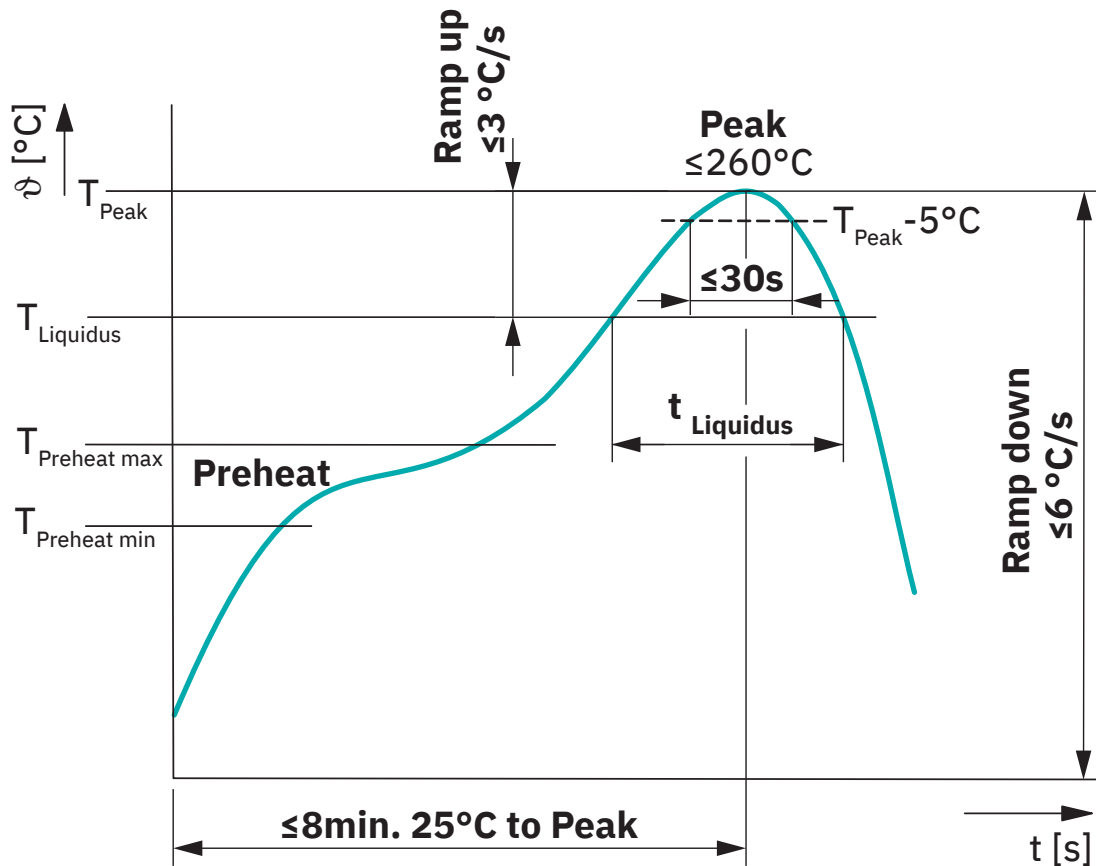


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## Drawings

Diagram



Classification reflow soldering profile

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## Classifications

### ECLASS

ECLASS-11.0	27440390
ECLASS-12.0	27440390
ECLASS-13.0	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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