

# CUC-USB3.0-J1ST-AV/UAF-THT - USB PCB connectors



1332636

<https://www.phoenixcontact.com/us/products/1332636>

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USB PCB connectors, degree of protection: IP20, number of positions: 9, 5 Gbps, material: Metal, connection method: Solder connection, USB 3.0

## Your advantages

- Optimized for wave soldering
- Data transmission up to 5 Gbps
- Comfortable tray packing

## Commercial data

Item number	1332636
Packing unit	100 pc
Minimum order quantity	100 pc
Sales key	AB14
Product key	ABNDAB
GTIN	4063151629946
Weight per piece (including packing)	5.33 g
Weight per piece (excluding packing)	5.33 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-A
Sensor type	USB 3.0
Number of positions	9
Connection profile	USB-A
Type of packaging	Tray
Number of slots	1
Type	Socket
Shielded	yes

### Insulation characteristics

Overvoltage category	I
Degree of pollution	2

### Electrical properties

Rated voltage (III/2)	30 V
Rated surge voltage (III/2)	1500 V
Rated current	1.8 A
Contact resistance	30 mΩ
Frequency range	20 Hz ... 500 Hz
Insulation resistance	1000 MΩ
Transmission medium	Copper
Transmission characteristics (category)	USB 3.2 Gen 1
Transmission speed	5 GBit/s
Power transmission	54 W

### Connection data

#### Connection technology

Connection method	Solder connection
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### Dimensions

Width	7.2 mm
Height	12.5 mm
Length	24.2 mm
Orientation to	90.00 °

### Material specifications

Color of the housing part	blue
Flammability rating according to UL 94	V0
Housing material	Metal
Contact material	Copper alloy

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Contact surface material	Gold over nickel
Contact carrier material	PA 4T

## Cable/line

Test voltage Core/Core	500 V
Test voltage Core/Shield	500.00 V
Acceleration	3.1 m/s <sup>2</sup>
Halogen-free	yes

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	> 5000
Insertion force per signal contact	35.00 N
Extraction force per signal contact	< 10 N

## Environmental and real-life conditions

### Test specification

Specification	EIA 364-1000
Frequency	20-500 Hz
Sweep speed	1 octave/min
Acceleration	3.10 m/s <sup>2</sup>
Test duration	15.00 min.
Contact resistance R <sub>1</sub>	30.00 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)	-40 °C ... 85 °C

## Mounting

Mounting type	Wave soldering
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### Processing notes

Process	Wave soldering
Classification temperature T <sub>c</sub>	260 °C

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## Classifications

### ECLASS

ECLASS-11.0	27440390
ECLASS-12.0	27440390
ECLASS-13.0	27460201

### 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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