

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



1332646

<https://www.phoenixcontact.com/us/products/1332646>

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USB PCB connectors, degree of protection: IP20, number of positions: 24, 10 Gbps, material: Metal, connection method: Solder connection, cable outlet: straight

## Your advantages

- Optimized for SMD reflow soldering processes
- Data transmission up to 10 Gbps
- Can be processed automatically thanks to tape-on-reel packaging

## Commercial data

Item number	1332646
Packing unit	1 pc
Minimum order quantity	500 pc
Sales key	AB14
Product key	ABNDAC
GTIN	4063151629953
Weight per piece (including packing)	1.19 g
Weight per piece (excluding packing)	1 g
Customs tariff number	85366930
Country of origin	CN

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## Technical data

### Product properties

Type	USB-C
Product type	Data connector (device side)
Number of positions	24
Type of packaging	Tape and Reel
[W] tape width	24.00 mm
[A] coil diameter	330.00 mm
Connection profile	USB-C
Number of slots	1
Type	Socket
Shielded	yes
Cable outlet	straight

### 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 3.2 Gen 2
Transmission speed	10 Gbps
Power transmission	100 W

### Connection data

#### Connection technology

Connection method	Solder connection
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### Dimensions

Width	11 mm
Height	3.16 mm
Length	6.6 mm
Orientation to	180.00 °

### Material specifications

Color of the housing part	black
	Gold-plated

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Material	Nickel coating 50 µ min
	Tin coating 100 µ min
	Nickel coating 50 µ min
	LCP
Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Gold over nickel
Contact carrier material	LCP
Housing material	Metal

## Cable/line

Test voltage Core/Core	100 V
Test voltage Core/Shield	100 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 h
Contact resistance R <sub>1</sub>	40 mΩ

### Test specification

Specification	60068-2-27
Acceleration	50 g
Number of shocks per direction	18

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-55 °C ... 85 °C

## Mounting

Mounting type	SMD soldering
Connection method	Solder connection

### Processing notes

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

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## Classifications

### ECLASS

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

### ETIM

ETIM 8.0	EC001121
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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