

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



1332643

<https://www.phoenixcontact.com/us/products/1332643>

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USB PCB connectors, connection direction of the connector to the PCB: 90 °, number of positions: 24, 10 Gbps, THR soldering, IP20



## Your advantages

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

## Commercial data

Item number	1332643
Packing unit	800 pc
Minimum order quantity	800 pc
Sales key	AB14
Product key	ABNDAC
GTIN	4063151630249
Weight per piece (including packing)	1.095 g
Weight per piece (excluding packing)	1 g
Customs tariff number	85366930
Country of origin	CN

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## Technical data

### Product properties

Orientation to PCB	90.00 °
Number of positions	24
Transmission speed	10 Gbps

### Electrical properties

Rated voltage	20 V
Rated surge voltage	1.5 kV
Rated current	5 A
Insulation resistance	100 MΩ

### Dimensions

Length	9.87 mm
Width	9.85 mm
Height	3.31 mm

### Material specifications

Material Contact carrier	LCP
Flame resistance	UL 94 V0
Halogen-free	yes
Material Housing	Metal
Material Contact	Copper alloy

### Mechanical properties

#### Mechanical data

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

### Environmental and real-life conditions

#### Ambient conditions

Ambient temperature (operation)	-25 °C ... 85 °C
Degree of protection (plugged in)	IP20
Degree of protection (Not plugged in)	IP20

#### Test specification for vibration - sine

Acceleration	3.1g rms
Amplitude	1.52 mm
Sweep speed	1 octave/min

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## Mounting

### Processing notes

Mounting type	THR soldering
Moisture Sensitive Level	MSL 1 ()
Solder cycles in the reflow	3 ()

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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 10.0	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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### EF3.1 Climate Change

CO2e kg	0.173 kg CO2e
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