

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



1332646

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

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



USB PCB connectors, connection direction of the connector to the PCB: 180 °, number of positions: 24, 10 Gbps, SMD soldering

## 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	500 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

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



1332646

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

## Technical data

### Product properties

Product type	Data connector (device side)
Orientation to PCB	180.00 °
Number of positions	24 ()
Transmission speed	10 Gbps

### Electrical properties

Rated voltage	20 V
Rated surge voltage	1.5 kV
Rated current	5 A
Contact resistance	40 mΩ
Frequency range	10 Hz ... 55 Hz
Insulation resistance	100 MΩ
Transmission speed	10 Gbps
Transmission characteristics (category)	USB 3.2 Gen 2
Transmission speed	10 Gbps
Power transmission	100 W

### Connection data

#### Connection technology

Connection method	Solder connection
-------------------	-------------------

### Dimensions

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

### Material specifications

Color (Housing)	black (RAL 9005)
Material Metal surface contact area (top layer)	Gold-plated
Material Metal surface contact area (middle layer)	Nickel coating 50 μ min
Material Metal surface soldering area (top layer)	Tin coating 100 μ min
Material Metal surface soldering area (middle layer)	Nickel coating 50 μ min
Material	LCP

### Cable/line

Halogen-free	yes
Flame resistance	UL 94 V0

### Mechanical properties

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



1332646

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

## Mechanical data

Insertion/withdrawal cycles	> 10000
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 $R_1$	40.00 m $\Omega$

### Test specification

Specification	60068-2-27
Acceleration	50.00 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
------------------	----------

## Mounting

Mounting type	SMD soldering
---------------	---------------

### Processing notes

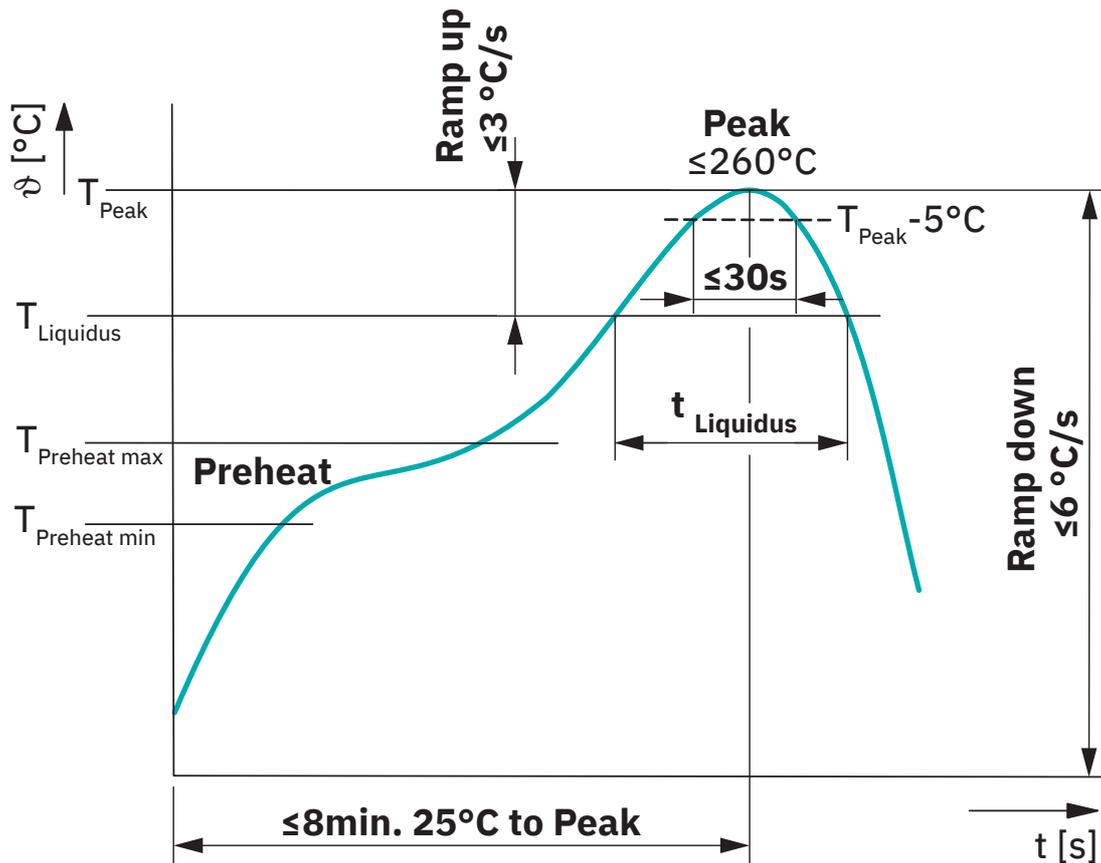
Process	SMD
Moisture Sensitive Level	MSL 1
Classification temperature $T_c$	260 °C
Solder cycles in the reflow	3

1332646

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

Drawings

Diagram



Classification reflow soldering profile

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



1332646

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

## Classifications

### ECLASS

ECLASS-13.0	27460201
ECLASS-15.0	27460201

### ETIM

ETIM 9.0	EC002637
----------	----------

### UNSPSC

UNSPSC 21.0	39121400
-------------	----------

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



1332646

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

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

### 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%
-------------------------------------	----------------------------

Phoenix Contact 2025 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)