CUC-USB2.0-J1ST-AH/UAF-THT - USB PCB connectors

1332631

https://www.phoenixcontact.com/us/products/1332631

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, degree of protection: IP20, number of positions: 4, 480 Mbps, material: Metal, connection method: Solder connection, USB 2.0

Your advantages

- Optimized for wave soldering
- Data transmission up to 480 Mbps
- Comfortable tray packing

Commercial data

Item number	1332631
Packing unit	100 pc
Minimum order quantity	100 pc
Sales key	AB14
Product key	ABNDAA
GTIN	4063151630225
Weight per piece (including packing)	2.37 g
Weight per piece (excluding packing)	2.37 g
Customs tariff number	85366930
Country of origin	CN

Technical data

Product properties

Product type	Data connector (device side)
Type	USB-A
Sensor type	USB 2.0
Number of positions	4
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	1.5 A
Contact resistance	30 mΩ
Frequency range	50 Hz ... 2000 Hz
Insulation resistance	1000 MΩ
Transmission medium	Copper
Transmission characteristics (category)	USB 2.0
Transmission speed	480 Mbps
Power transmission	45 W

Connection data

Connection technology

Connection method	Solder connection

Dimensions

Width	7 mm
Height	14.6 mm
Length	19.3 mm
Orientation to	90.00 °

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	PA 4T

Cable/line

Test voltage Core/Core	500 V
Test voltage Core/Shield	500.00 V
Acceleration	3.1 m/s²
Halogen-free	yes

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 1500
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	50-2000 Hz
Sweep speed	1 octave/min
Acceleration	5.40 m/s²
Test duration	15.00 min.
Contact resistance R_1	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

Processing notes

Process	Wave soldering
Classification temperature T_c	260 °C

Classifications

ECLASS

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

UNSPSC

UNSPSC 21.0	39121400

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 2024 © - 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