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

1332634

https://www.phoenixcontact.com/us/products/1332634

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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 SMD reflow soldering processes
- Data transmission up to 480 Mbps
- Can be processed automatically thanks to tape-on-reel packaging

Commercial data

Item number	1332634
Packing unit	300 pc
Minimum order quantity	300 pc
Sales key	AB14
Product key	ABNDAA
GTIN	4063151628192
Weight per piece (including packing)	3.167 g
Weight per piece (excluding packing)	3.167 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	Tape and Reel
[W] tape width	32.00 mm
[A] coil diameter	330.00 mm
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	10 Hz ... 55 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	14.5 mm
Height	7.14 mm
Length	14.13 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	LCP

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	10-55 Hz
Sweep speed	1 octave/min
Amplitude	1.52 mm
Test duration	2.00 h
Contact resistance R_1	30.00 mΩ

Test specification

Specification	60068-2-27
Acceleration	50.00 g
Number of shocks per direction	18.00

Ambient conditions

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

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

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%

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