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, degree of protection: IP20, number of positions: 24, 10 Gbps, material: Metal, connection method: Solder connection, USB 3.0

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

Technical data

Product properties

Product type	Data connector (device side)
Type	USB-C
Sensor type	USB 3.0
Number of positions	24
Connection profile	USB-C
Type of packaging	Tape and Reel
[W] tape width	24.00 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)	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

Dimensions

Width	9.85 mm
Height	3.31 mm
Length	9.87 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	100 V
Test voltage Core/Shield	100.00 V
Acceleration	3.1 m/s²
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	2.00 h
Contact resistance R_1	40.00 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)	-25 °C ... 85 °C

Mounting

Mounting type	THR soldering

Processing notes

Process	THR/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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