CUC-USB3.0-J1ST-AH/UAF-THT - USB PCB connectors

1332637

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USB PCB connectors, degree of protection: IP20, number of positions: 9, 5 Gbps, material: Metal, connection method: Solder connection, USB 3.0

Your advantages

- Optimized for wave soldering
- Data transmission up to 5 Gbps
- Comfortable tray packing

Commercial data

Item number	1332637
Packing unit	117 pc
Minimum order quantity	117 pc
Sales key	AB14
Product key	ABNDAB
GTIN	4063151629663
Weight per piece (including packing)	3.71 g
Weight per piece (excluding packing)	3.71 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 3.0
Number of positions	9
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	1.8 A
Contact resistance	30 mΩ
Frequency range	20 Hz ... 500 Hz
Insulation resistance	1000 MΩ
Transmission medium	Copper
Transmission characteristics (category)	USB 3.2 Gen 1
Transmission speed	5 GBit/s
Power transmission	54 W

Connection data

Connection technology

Connection method	Solder connection

Dimensions

Width	14.4 mm
Height	7.74 mm
Length	16.5 mm
Orientation to	90.00 °

Material specifications

Color of the housing part	blue
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	> 5000
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	20-500 Hz
Sweep speed	1 octave/min
Acceleration	3.10 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)	-55 °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%

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