

1332643
<https://www.phoenixcontact.com/us/products/1332643>

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USB PCB connectors, number of positions: 24, 10 Gbps, THR soldering, degree of protection: IP20, connection method: Solder connection

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

CUC-USB3.1-J1ST-AH/UCF-SMD/THR - USB PCB connectors



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Technical data

Product properties

Product type	Data connector (device side)
Sensor type	USB 3.0
Number of positions	24
Connection profile	USB-C
Number of slots	1
Shielded	yes

Insulation characteristics

Overvoltage category	I
Degree of pollution	2

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
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Dimensions

Width	9.85 mm
Height	3.31 mm
Length	9.87 mm
Orientation to PCB	90.00 °

Material specifications

Color (Housing)	black (RAL 9005)
Material Contact	Copper alloy
Material Contact carrier	LCP
Material Housing	Metal

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Cable/line

Test voltage Core/Core	100 V
Test voltage Core/Shield	100.00 V
Halogen-free	yes
Flame resistance	UL 94 V0

Mechanical properties

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 mΩ

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)	-25 °C ... 85 °C

Standards and regulations

Flame resistance	UL 94 V0
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Mounting

Mounting type	THR soldering
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Processing notes

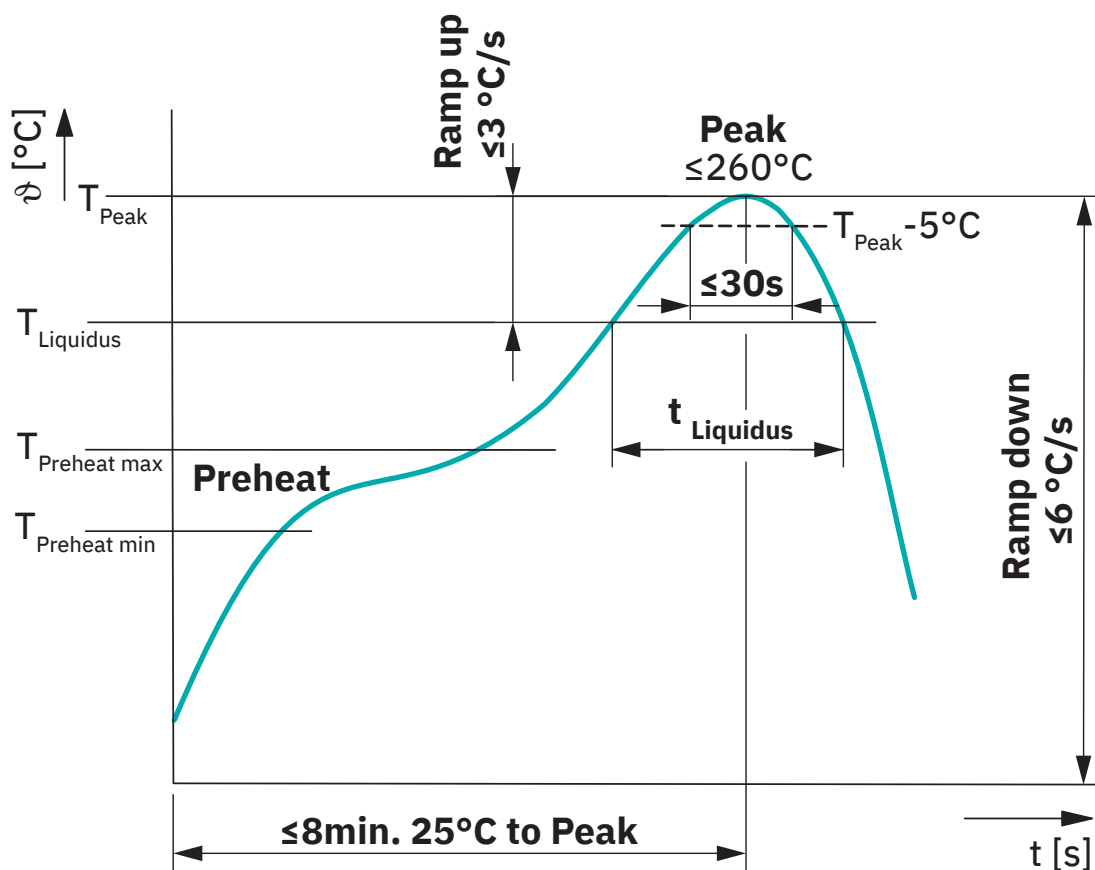
Process	THR/SMD
Moisture Sensitive Level	MSL 1
Classification temperature T _c	260 °C
Solder cycles in the reflow	3

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Drawings

Diagram



Classification reflow soldering profile

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Classifications

ECLASS

ECLASS-13.0	27460201
ECLASS-15.0	27460201

ETIM

ETIM 9.0	EC002637
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UNSPSC

UNSPSC 21.0	39121400
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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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