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

1332631

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

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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 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% |


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