

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



1332636  
<https://www.phoenixcontact.com/us/products/1332636>

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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                          | 1332636       |
| Packing unit                         | 100 pc        |
| Minimum order quantity               | 100 pc        |
| Sales key                            | AB14          |
| Product key                          | ABNDAB        |
| GTIN                                 | 4063151629946 |
| Weight per piece (including packing) | 5.33 g        |
| Weight per piece (excluding packing) | 5.33 g        |
| Customs tariff number                | 85366930      |
| Country of origin                    | CN            |

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## 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          | 7.2 mm  |
| Height         | 12.5 mm |
| Length         | 24.2 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 |

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|                          |                  |
|--------------------------|------------------|
| 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/s <sup>2</sup> |
| 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/s <sup>2</sup> |
| Test duration                     | 15.00 min.            |
| Contact resistance R <sub>1</sub> | 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 <sub>c</sub> | 260 °C         |

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27440390 |
| ECLASS-12.0 | 27440390 |
| ECLASS-13.0 | 27460201 |

### 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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