

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



1332634

<https://www.phoenixcontact.com/us/products/1332634>

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USB PCB connectors, connection direction of the connector to the PCB: 90 °, number of positions: 4, 480 Mbps, SMD soldering



Your advantages

- Optimized for SMD reflow soldering processes
- Data transmission up to 480 Mbps
- Can be processed automatically thanks to tape-on-reel packaging

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1332634 |
| Packing unit | 300 pc |
| Minimum order quantity | 300 pc |
| Sales key | AB14 |
| Product key | ABNDAA |
| GTIN | 4063151628192 |
| Weight per piece (including packing) | 3.167 g |
| Weight per piece (excluding packing) | 3.167 g |
| Customs tariff number | 85366930 |
| Country of origin | CN |

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Technical data

Product properties

| | |
|---------------------|------------------------------|
| Product type | Data connector (device side) |
| Orientation to PCB | 90.00 ° |
| Number of positions | 4 () |
| Transmission speed | 480 Mbps |

Electrical properties

| | |
|---|-----------------|
| Rated voltage | 30 V |
| Rated surge voltage | 1.5 kV |
| Rated current | 1.5 A |
| Contact resistance | 30 mΩ |
| Frequency range | 10 Hz ... 55 Hz |
| Insulation resistance | 1000 MΩ |
| Transmission speed | 480 Mbps |
| Transmission characteristics (category) | USB 2.0 |
| Transmission speed | 480 Mbps |
| Power transmission | 45 W |

Connection data

| | |
|-----------------------|-------------------|
| Connection technology | |
| Connection method | Solder connection |

Dimensions

| | |
|--------------------|----------|
| Width | 14.5 mm |
| Height | 7.14 mm |
| Length | 14.13 mm |
| Orientation to PCB | 90.00 ° |

Material specifications

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

Cable/line

| | |
|------------------|----------|
| Halogen-free | yes |
| Flame resistance | UL 94 V0 |

Mechanical properties

| | |
|-----------------------------|--------|
| Mechanical data | |
| Insertion/withdrawal cycles | > 1500 |

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| | |
|------------------|--------|
| Insertion force | 35 N |
| Withdrawal force | < 10 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 | 30.00 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) | -55 °C ... 85 °C |

Standards and regulations

| | |
|------------------|----------|
| Flame resistance | UL 94 V0 |
|------------------|----------|

Mounting

| | |
|---------------|---------------|
| Mounting type | SMD soldering |
|---------------|---------------|

Processing notes

| | |
|----------------------------------|--------|
| Process | SMD |
| Moisture Sensitive Level | MSL 1 |
| Classification temperature T_c | 260 °C |
| Solder cycles in the reflow | 3 |

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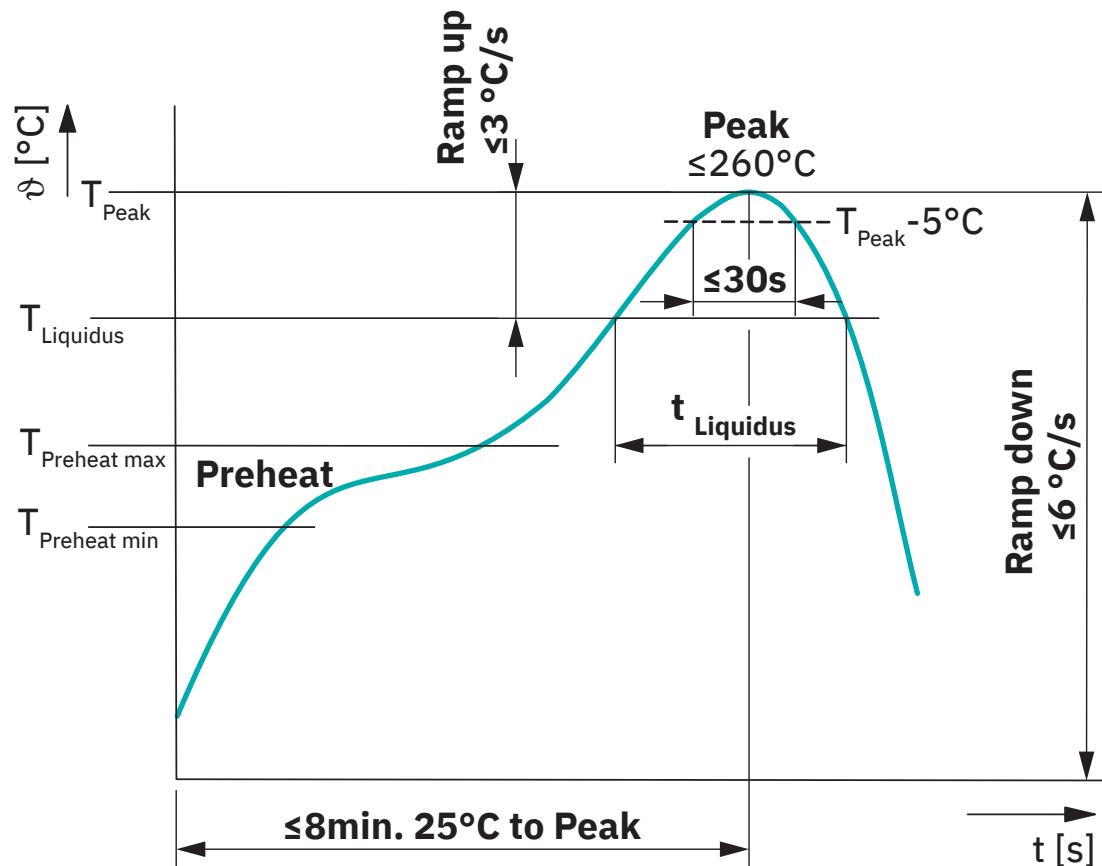


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Drawings

Diagram



Classification reflow soldering profile

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27460201 |
| ECLASS-15.0 | 27460201 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC002637 |
|----------|----------|

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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