

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



1332643

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

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USB PCB connectors, connection direction of the connector to the PCB: 90 °, number of positions: 24, 10 Gbps, THR soldering, IP20



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 |

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Technical data

Product properties

| | |
|---------------------|---------|
| Orientation to PCB | 90.00 ° |
| Number of positions | 24 |
| Transmission speed | 10 Gbps |

Electrical properties

| | |
|-----------------------|--------|
| Rated voltage | 20 V |
| Rated surge voltage | 1.5 kV |
| Rated current | 5 A |
| Insulation resistance | 100 MΩ |

Dimensions

| | |
|--------|---------|
| Length | 9.87 mm |
| Width | 9.85 mm |
| Height | 3.31 mm |

Material specifications

| | |
|--------------------------|--------------|
| Material Contact carrier | LCP |
| Flame resistance | UL 94 V0 |
| Halogen-free | yes |
| Material Housing | Metal |
| Material Contact | Copper alloy |

Mechanical properties

Mechanical data

| | |
|-----------------------------|---------|
| Insertion/withdrawal cycles | > 10000 |
| Insertion force | 20 N |
| Withdrawal force | < 8 N |

Environmental and real-life conditions

Ambient conditions

| | |
|---------------------------------------|------------------|
| Ambient temperature (operation) | -25 °C ... 85 °C |
| Degree of protection (plugged in) | IP20 |
| Degree of protection (Not plugged in) | IP20 |

Test specification for vibration - sine

| | |
|--------------|--------------|
| Acceleration | 3.1g rms |
| Amplitude | 1.52 mm |
| Sweep speed | 1 octave/min |

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Mounting

Processing notes

| | |
|-----------------------------|---------------|
| Mounting type | THR soldering |
| Moisture Sensitive Level | MSL 1 () |
| 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 10.0 | 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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