

CUC-HDMI-J1ST-AH/HAF-SMD - HDMI PCB connectors



1332071

<https://www.phoenixcontact.com/us/products/1332071>

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HDMI PCB connectors, design: HDMI A, number of positions: 19, 14 Gbps, SMD soldering, degree of protection: IP20, connection method: Solder connection



Your advantages

- Optimized for SMD reflow soldering processes
- Reliable transmission of 4K videos
- Can be processed automatically thanks to tape-on-reel packaging

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1332071 |
| Packing unit | 300 pc |
| Minimum order quantity | 300 pc |
| Sales key | AB14 |
| Product key | ABNEAA |
| GTIN | 4063151628857 |
| Weight per piece (including packing) | 3.38 g |
| Weight per piece (excluding packing) | 3.38 g |
| Customs tariff number | 85366930 |
| Country of origin | CN |

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Technical data

Product properties

| | |
|---------------------|------------------------------|
| Product type | Data connector (device side) |
| Number of positions | 19 |
| Number of slots | 1 |
| Shielded | yes |

Insulation characteristics

| | |
|----------------------|---|
| Overvoltage category | I |
| Degree of pollution | 2 |

Electrical properties

| | |
|-----------------------|------------------|
| Rated voltage | 40 V |
| Rated surge voltage | 1.5 kV |
| Rated current | 0.5 A (Contacts) |
| Insulation resistance | 100 MΩ |
| Transmission speed | 14.4 Gbps |
| Transmission speed | 14.4 GBit/s |

Connection data

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

Dimensions

| | |
|--------|----------|
| Width | 15 mm |
| Height | 6.18 mm |
| Length | 12.16 mm |

Material specifications

| | |
|---|-------------------------|
| Color (Housing) | black (RAL 9005) |
| Material | Selective gold plating |
| Material Metal surface soldering area (top layer) | Nickel coating 50 µ min |

Cable/line

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

Mechanical properties

| | |
|-----------------------------|-------|
| Mechanical data | |
| Insertion/withdrawal cycles | 10000 |
| Insertion force | 44 N |

Environmental and real-life conditions

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Test specification

| | |
|--------------------------|--------------|
| Specification | EIA 364-1000 |
| Contact resistance R_1 | 30.00 mΩ |

Test specification

| | |
|---------------|------------------------|
| Specification | EIA 364-28 |
| Frequency | 10Hz - 200Hz |
| Sweep speed | 1 octave/min |
| Amplitude | 1.52 mm |
| Acceleration | 15.00 m/s ² |
| Test duration | 12.00 min |

Test specification

| | |
|--------------------------------|------------------------|
| Specification | EIA 364-27 |
| Acceleration | 50.00 m/s ² |
| 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) | -20 °C ... 85 °C |
| Ambient temperature (storage/transport) | -20 °C ... 85 °C |

Standards and regulations

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

Mounting

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

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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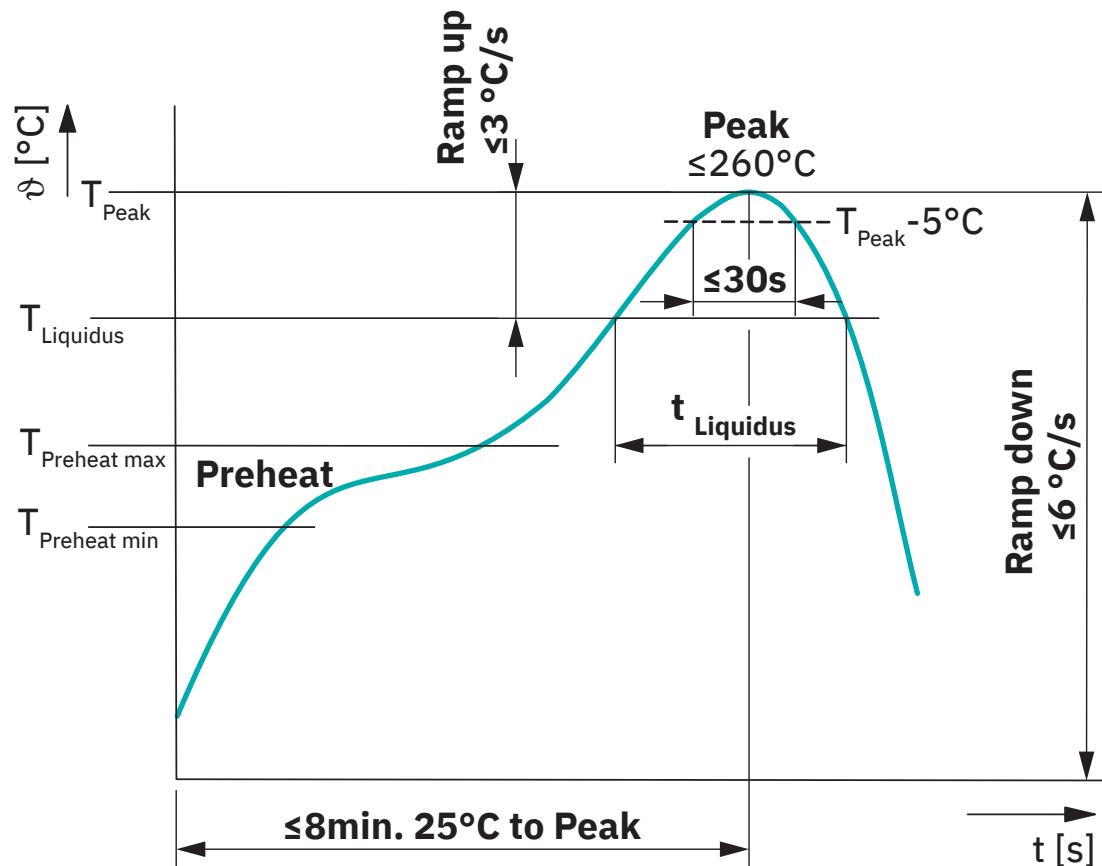


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Drawings

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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