

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

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



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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 (III/2)	40 V
Rated surge voltage (III/2)	1500 V
Rated current	0.5 A (Contacts)
Insulation resistance	100 MΩ
Test voltage	300 V AC
Transmission medium	Copper
Transmission speed	14.4 Gbps
Transmission speed	14,4 GBit/s

Connection data

Connection technology

Connection method	Solder connection
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Dimensions

Width	15 mm
Height	6.18 mm
Length	12.16 mm

Material specifications

Color (Housing)	black (RAL 9005)
Material	Selective gold plating
	Nickel coating 50 µ min
Material Metal surface soldering area (top layer)	Tin coating 100 µ min
Flammability rating according to UL 94	V0

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	10000
Insertion force per signal contact	44.00 N
Extraction force per signal contact	< 10 N

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Environmental and real-life conditions

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

Mounting

Mounting type	SMD soldering
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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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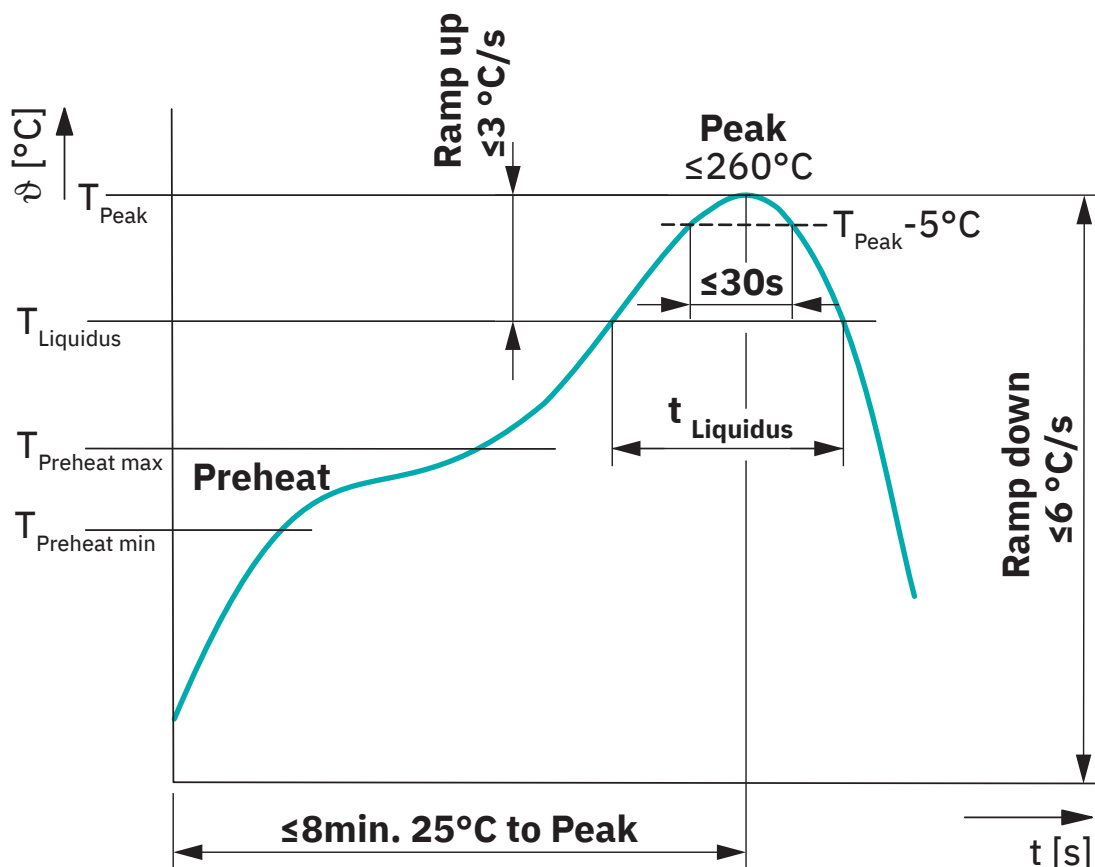


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Drawings

Diagram



Classification reflow soldering profile

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Classifications

ECLASS

ECLASS-13.0	27460201
ECLASS-15.0	27460201

ETIM

ETIM 9.0	EC002637
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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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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