

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



1332073

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HDMI PCB connectors, design: HDMI A, degree of protection: IP20, number of positions: 19, 14 Gbps, material: Plastic, connection method: Solder connection, cable outlet: straight

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	1332073
Packing unit	300 pc
Minimum order quantity	300 pc
Sales key	AB14
Product key	ABNEAA
GTIN	4063151628864
Weight per piece (including packing)	3.2 g
Weight per piece (excluding packing)	3.2 g
Customs tariff number	85366930
Country of origin	CN

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Technical data

Product properties

Product type	Data connector (device side)
Type	HDMI
Number of positions	19
Type of packaging	Tape and Reel
[W] tape width	32.00 mm
[A] coil diameter	330.00 mm
Number of slots	1
Type	Socket
Shielded	yes
Cable outlet	straight

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
Insulation resistance	100 MΩ
Test voltage	300 V AC
Contact resistance	20 mΩ
Transmission medium	Copper
Transmission speed	14,4 GBit/s

Connection data

Connection technology

Connection method	Solder connection
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Dimensions

Width	16 mm
Height	7.31 mm
Length	10.5 mm

Material specifications

Color of the housing part	black
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
Housing material	Plastic

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Contact material	Copper alloy
Contact surface material	Gold over nickel

Mechanical properties

Mechanical data

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

Environmental and real-life conditions

Test specification

Specification	EIA 364-1000
Contact resistance R_1	30.00 m Ω

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	IP20
Ambient temperature (operation)	-20 °C ... 85 °C
Ambient temperature (storage/transport)	-20 °C ... 85 °C

Mounting

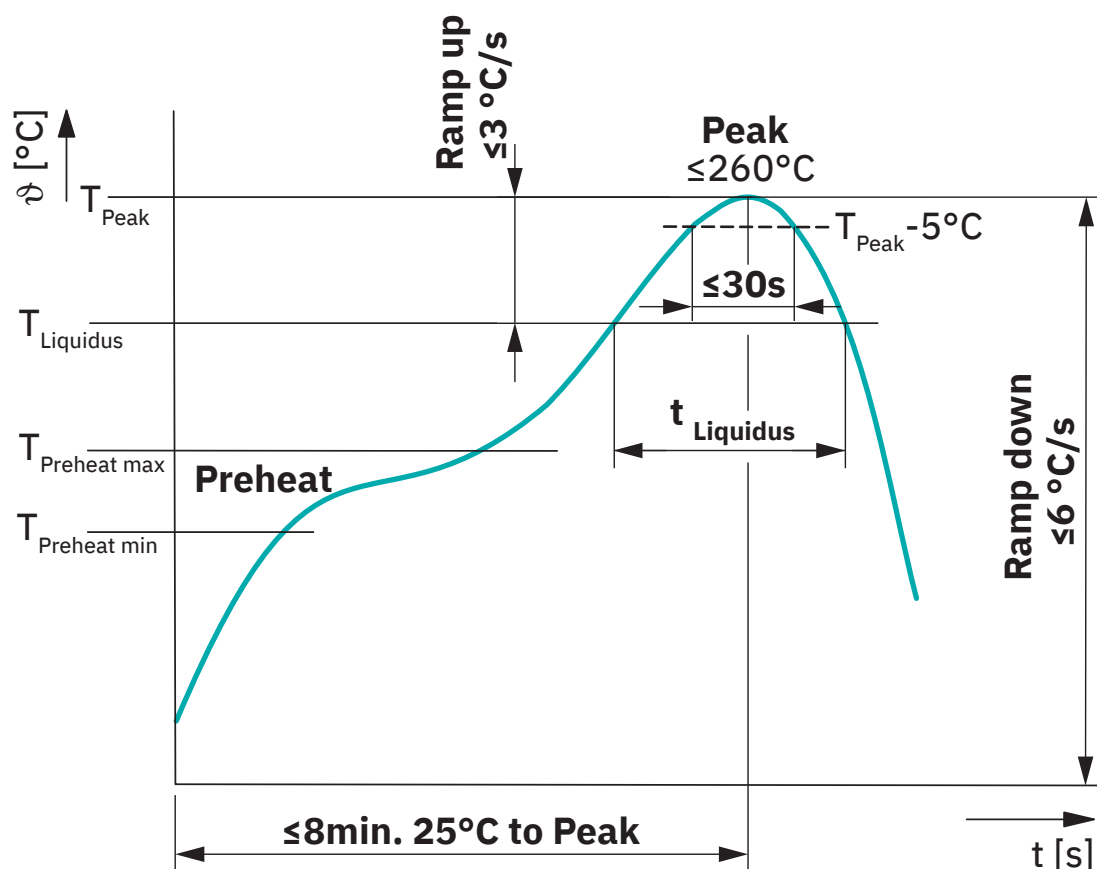
Mounting type	SMD soldering
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Processing notes

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

Drawings

Diagram



Classification reflow soldering profile

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Classifications

ECLASS

ECLASS-13.0	27460201
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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
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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