

# 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	1 pc
Minimum order quantity	300 pc
Sales key	AB14
Product key	ABNEAA
GTIN	4063151628864
Weight per piece (including packing)	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

Type	HDMI
Product type	Data connector (device side)
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 M $\Omega$
Test voltage	300 V AC
Contact resistance	20 m $\Omega$
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 $\mu$ min
	Tin coating 100 $\mu$ min
Flammability rating according to UL 94	V0
Contact material	Copper alloy

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Contact surface material	Gold over nickel
Housing material	Plastic

## 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 m $\Omega$

### Test specification

Specification	EIA 364-28
Frequency	10Hz - 200Hz
Sweep speed	1 octave/min
Amplitude	1.52 mm
Acceleration	15 m/s <sup>2</sup>
Test duration	12 min.

### Test specification

Specification	EIA 364-27
Acceleration	50 m/s <sup>2</sup>
Number of shocks per direction	18

### 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
Connection method	Solder connection

### 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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## Classifications

### ECLASS

ECLASS-11.0	27440390
ECLASS-12.0	27440390
ECLASS-13.0	27440390

### ETIM

ETIM 8.0	EC001121
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e No hazardous substances above threshold values
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