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

1332071

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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	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

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 (Contacts)
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

Dimensions

Width	15 mm
Height	6.18 mm
Length	12.16 mm

Material specifications

Color of the housing part	black
Material	Selective gold plating
	Nickel coating 50 µ min
	Tin coating 100 µ min
Flammability rating according to UL 94	V0
Contact material	Copper alloy

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	30.00 mΩ

Test specification

Specification	EIA 364-28
Frequency	10Hz - 200Hz
Sweep speed	1 octave/min
Amplitude	1.52 mm
Acceleration	15.00 m/s²
Test duration	12.00 min.

Test specification

Specification	EIA 364-27
Acceleration	50.00 m/s²
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

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	27460201

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