CUC-COX-J1M-A/LFS - Coaxial PCB connector

1340150

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Coaxial PCB connector, Coaxial (12 Gbps), 1-position, Pin straight 1/4-36 UNS, connection method: Solder connection, material: Metal, degree of protection: IP20

Your advantages

- Future-proof, thanks to the use of lead-free materials
- Complete documentation saves developers time during design-in
- Ideal for WLAN, Bluetooth, LTE, and 5G signals
- The reflow capability of PCB connectors enables efficient and cost-optimized processing
- Tape-on-reel packaging

Commercial data

Item number	1340150
Packing unit	100 pc
Minimum order quantity	100 pc
Sales key	AB14
Product key	ABNFBB
GTIN	4063151646431
Weight per piece (including packing)	6.11 g
Weight per piece (excluding packing)	6.1 g
Customs tariff number	85366910
Country of origin	DE

Technical data

Product properties

Product type	Data connector (device side)
Type	Coaxial
Number of positions	1
Connection profile	R-SMA (f)
Type of packaging	Tape and Reel
[W] tape width	32.00 mm
[A] coil diameter	330.00 mm
Cable outlet	straight
Thread type	1/4-36 UNS

Electrical properties

Rated surge voltage (III/2)	1500 V
Frequency range	10 Hz
Insulation resistance	5 GΩ
Test voltage	1000 V_{rms}
Transmission medium	Copper
Transmission speed	12.4 Gbps
Wave impedance	50 Ω
Max. conductor resistance	0.8 Ω/m

Output data

Transmission frequency	1.00 GHz

Connection data

Connection technology

Connection method	Solder connection
Locking mechanism tightening torque	1.10 Nm

Dimensions

Width	6.5 mm
Height	11.6 mm
Length	14.2 mm
Installed height	9.60 mm
Orientation to PCB	90.00 °

Material specifications

Material	Metal
Flammability rating according to UL 94	V0
Housing material	Metal
Contact material	CuBe2

Contact surface material	NiP-Au

Cable/line

Cable resistance	0.8 Ω/m
Wave impedance	50 Ω
Halogen-free	no

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 100
Extraction force per signal contact	< 20 N
Locking mechanism tightening torque	1.10 Nm

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-55 °C ... 125 °C
Ambient temperature (storage/transport)	-55 °C ... 125 °C

Test specification

Specification	DIN EN 61169-1
Contact resistance R_2	2 mΩ
Insulation resistance, neighboring contacts	5 GΩ
Impulse withstand voltage at sea level	1400 V DC
Power-frequency withstand voltage	1000 V AC

Test specification

Specification	DIN EN 60068-2-14 Test Na
Cold stress	-10°C

Test specification

Specification	DIN EN 60068-2-6 Test Fc
Frequency	10-2000-10 Hz
Sweep speed	1 octave/min
Amplitude	0.75 mm
Acceleration	100 m/s²
Test duration	2.5 h

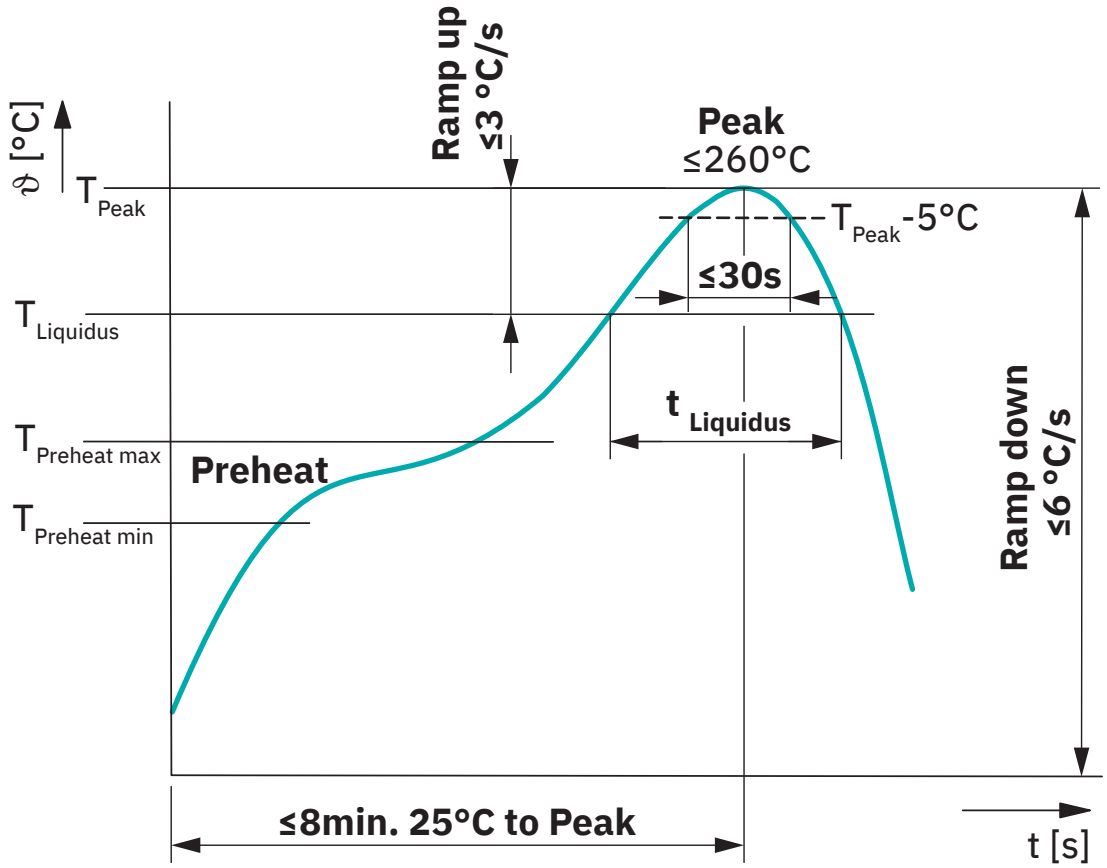
Mounting

Processing notes

Process	THR
Moisture Sensitive Level	MSL 1

Drawings

Diagram



Classification reflow soldering profile

Classifications

ECLASS

ECLASS-13.0	27460201
ECLASS-15.0	27460201

ETIM

ETIM 10.0	EC002637

UNSPSC

UNSPSC 21.0	39121400

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%

EF3.1 Climate Change

CO2e kg	1.242 kg CO2e

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