

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



1340150

<https://www.phoenixcontact.com/us/products/1340150>

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Coaxial PCB connector, degree of protection: IP20, number of positions: 1, 12 Gbps, material: Metal, connection method: Solder connection, cable outlet: straight

## 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

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## 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 G $\Omega$
Test voltage	1000 V <sub>rms</sub>
Transmission medium	Copper
Transmission speed	12.4 Gbps
Wave impedance	50 $\Omega$
Max. conductor resistance	0.8 $\Omega$ /m

### Output data

Transmission frequency	1.00 GHz
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### 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

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Contact surface material	NiP-Au
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## Cable/line

Cable resistance	0.8 $\Omega$ /m
Wave impedance	50 $\Omega$
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

### Test specification

Specification	DIN EN 61169-1
Contact resistance $R_2$	2.00 m $\Omega$
Insulation resistance, neighboring contacts	5 G $\Omega$
Impulse withstand voltage at sea level	1400.00 V DC
Power-frequency withstand voltage	1000.00 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	100.00 m/s <sup>2</sup>
Test duration	2.50 h

## Mounting

### Processing notes

Process	THR
Moisture Sensitive Level	MSL 1

## Drawings

Diagram



Classification reflow soldering profile

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## Classifications

### ECLASS

ECLASS-13.0	27460201
ECLASS-15.0	27460201

### ETIM

ETIM 10.0	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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