![KEL]

KEL for Micro Coaxial Cable Connector

Ultra-compact, high-speed transmission

Micro coaxial cable connector supporting next-generation technologies.

▌ 0.25 mm pitch contributes to further miniaturization.

The 0.25 mm pitch XSL and XSLS series contribute to devices that require further miniaturization.

AWG#46
Φ0.214mm

- Jacket
- Shield
- Dielectric
- Core conductor

XSLS SERIES — Internal structure of micro coaxial cable

▌ Adoption example

Surgical camera

Sensor

Micro coaxial cable harness XSLS SERIES

Sensor

Sensor

Sensor

Video processing board

XSL SERIES
0.25 mm Pitch Micro Coaxial Cable Connector

For more information

Pitch	Connection	Number of contacts	Upper temperature limit	Mating method
0.25 mm	BtoC	48	85 °C	PCB side: right angle / Cable: horizontal

Mounting method	Mating height	Applicable cable
SMT	1.0 mm	AWG #44/46

Cable connection	Effective mating length
Soldering	0.51 mm

XSLS SERIES
0.25 mm Pitch Micro Coaxial Cable Connector, Stacked Mating Type

For more information

Pitch	Connection	Number of contacts	Upper temperature limit	Mating method
0.25 mm	BtoC	30/40/52	85 °C	PCB side: straight / Cable: horizontal

Mounting method	Mating height	Applicable cable
SMT	1.44 mm	AWG #44/46

Cable connection	Effective mating length
Soldering	0.31 mm

TSL SERIES
0.55 mm Pitch High-Performance Coaxial Harness

For more information — ▶ YouTube

5G IoT

Pitch	Connection	Number of contacts	Upper temperature limit	Mating method
0.55 mm	BtoC	31	85 °C	PCB side: right angle / Cable: horizontal

Mounting method	Mating height	Applicable cable	Other features
SMT	3.25 mm	AWG #30/32/36	Locking mechanism

Cable connection	Effective mating length	Transmission		
Soldering	0.5 mm	32G bps	5G	IoT

PCB side: straight / Cable: vertical

TSL-NM2 SERIES
0.55 mm pitch High-Performance Coaxial Harness / Non-Magnetic Type

For more information

5G IoT

Pitch	Connection	Number of contacts	Upper temperature limit	Mating method
0.55 mm	BtoC	31	85 °C	PCB side: right angle / Cable: horizontal

Mounting method	Mating height	Applicable cable	Other features
SMT	2.17 mm	AWG #30/32/36	Locking mechanism

Cable connection	Effective mating length	Transmission			Other features
Soldering	0.5 mm	32G bps	5G	IoT	Non-magnetic