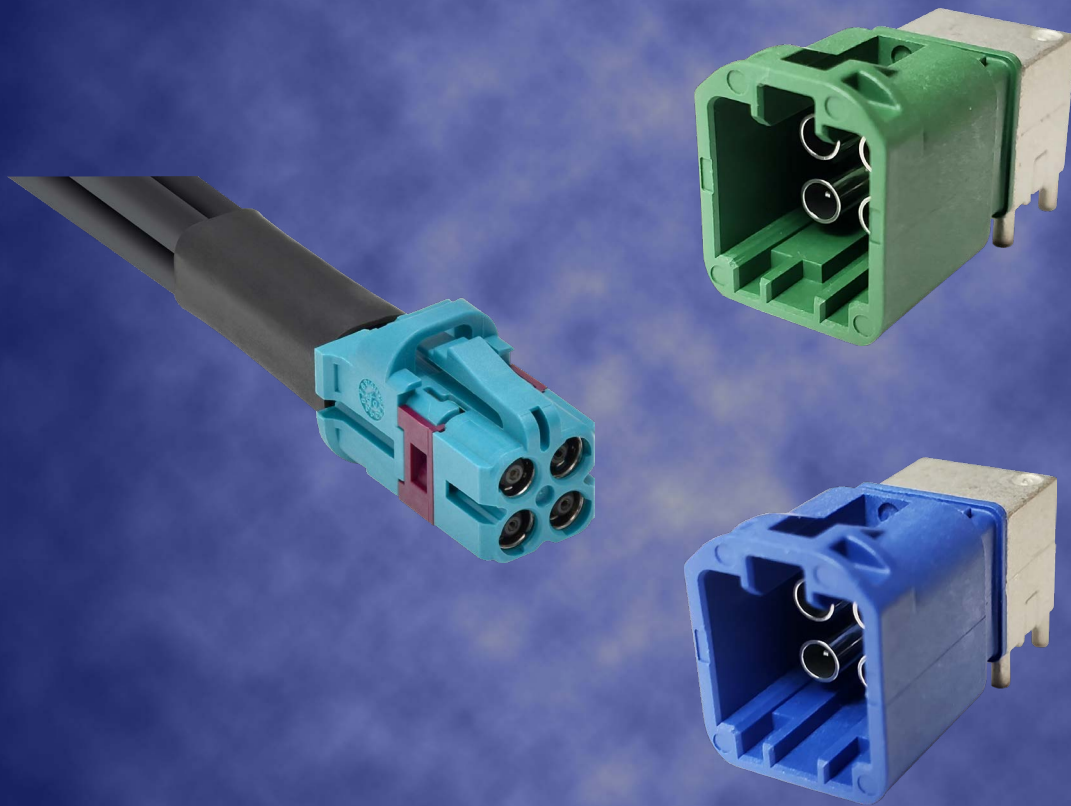


ADAME TECH



MINI FAKRA CONNECTORS



Adam Tech's High Speed Mini FAKRA Connectors and Cable Assemblies support the automotive industry with the next generation of coaxial technology. These products support data transmission rates up to 20 Gbps, and frequencies up to 9 GHz. Designed with space saving in mind, they require 80% less installation space than standard FAKRAs. Adam Tech's offering includes multiple color-coded board side plugs and double-ended mini FAKRA jack cable assemblies. Mini FAKRA to standard FAKRA cable assemblies are also available, bridging the gap between the two generations.

APPLICATIONS:

- Automotive
- Autonomous driving (ADAS)
- 4k 360° surround cameras
- 4k high resolution displays
- Sensors
- Remote start and keyless entry
- Infotainment systems
- 3D instrument clusters
- GPS
- Satellite radios



FEATURES AND BENEFITS:

- High speed data transmission rates up to 20 Gbps
- Frequency: DC up to 9.0 GHz
- Color coded mechanical layouts
- Space saving design
- Mini FAKRA cable to board connection system
- Mini FAKRA to standard FAKRA capabilities
- RoHS compliant

SPECIFICATIONS:

Material:

Insulator: Thermoplastic
Contacts: Brass
Shell: Zamak, tin plated

Contact Plating:

Contact area: 80 - 160u" silver plated
Solder tails: 80 - 160u" tin plated
Underplate: 40 - 160u" nickel underplate overall

Electrical:

Impedance: 50 Ohm
Frequency: DC to 9 GHz
Return loss: ≥ 17 dB to 6 GHz or ≥ 12 dB to 9 GHz
Insertion loss: ≤ 0.75 dB @ 9 GHz
Insulation resistance: 1000 M Ω

Mechanical:

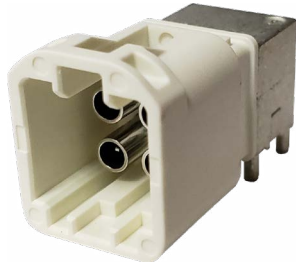
Mating cycles: ≥ 25 cycles
Engagement force: ≤ 30 N
Disengagement force: ≥ 60 N

Temperature Rating:

Operating temperature range: -40°C to +105°C



MHSD-04X-BM-PRX-TR



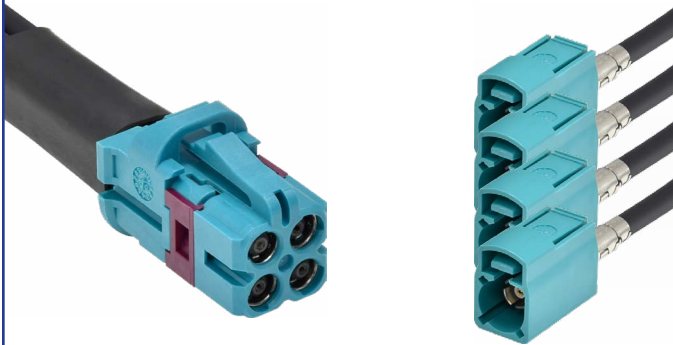
Right Angle PCB Plug

CA-BM04XJ-BM04XJ-X



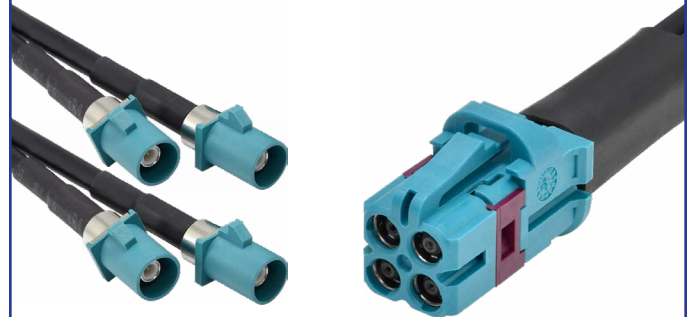
Double Ended Mini FAKRA
Straight Jack Cable

CA-BM04XJ-4FJX-X










Mini FAKRA Straight Jack to 4
Standard FAKRA Straight Jacks Cable

CA-BM04XJ-4FPX-0.3



Mini FAKRA Straight Jack to 4
Standard FAKRA Straight Plugs Cable

| Code (X) | Applications | Color/RAL | |
|----------|-------------------------------|----------------------|---|
| A | Radio without phantom supply | Jet Black / 9005 |  |
| B | Radio with phantom supply | Cream White / 9001 |  |
| C | GPS: telematics or navigation | Signal Blue / 5005 |  |
| D | GSM | Claret Violet / 4004 |  |
| E | TV1 / SDARS | Leaf Green / 6002 |  |
| F | TV2 / SDARS | Nut Brown / 8011 |  |
| Z | Neutral coding | Water Blue / 5021 |  |

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inquiry form.



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