Wi-fi Router

1 Main to Sub Board Connection

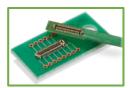


High-Speed Board-to-Board, Floating



High-Speed Shield, Board-to-Board, Floating

2 LED Connection



Ultra Small Power/Signal, Board-to-Board



Standard FPC, Low Pitch

3 Switch Connection



One Action, Vertical/Shield FFC



Wide Stacking Height Variations



4 Antenna Connection



RF Connector



Multi-RF Board-to-Board

5 Battery Connection



Compact & Robust Board-to-Wire



Low Profile Board-to-Wire

6 Ethernet Connection



High-Speed Standard Ethernet



Next Generation Ethernet Connector

7 I/O



Type-C Connector



1. Main to Sub Board Connection

High Speed



FX23/FX23L

High-Speed Transmission Pitch: 0.5mm Board-to Board Floating Design

No. of Pos.: 20, 40, 60, 80, 100,120.

Rated Current: 3A/Power Pin



FX20

Board to Board Floating Design Pitch: 0.5mm Floating Range: ± 0.6 to 0.8mm in the X direction and ± 0.6mm in the Y direction No. of Pos.: 20, 40, 60, 80,



FX18

High-Speed Transmission 0.8mmPitch Straight/Right Angle No. of Pos.: 40, 60, 80, 100.

120.140.



KP27F

125℃ High Heat Resistance Floating Range:

±0.8mm in X&Y Direction

Board-to-Board Pitch: 0.5mm Mated Height :21mm

No. of Pos.: 60, 170pos. Rated Current: 3A/Power Pin

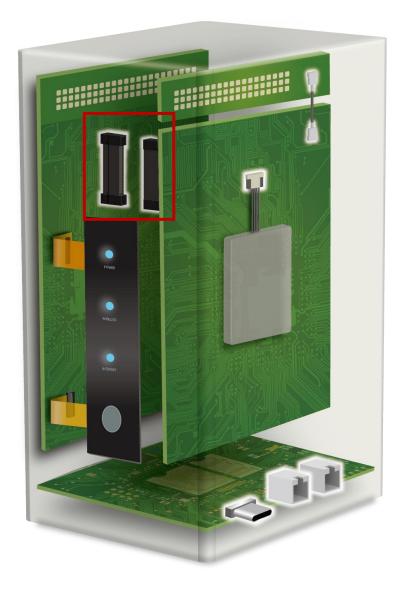
Pitch: 0.8mm Smooth Insertion& High Mating Reliability Stacking Height: 7-12mm No. of Pos.: 10-140

Variations: Right Angle/Parallel /Coplanar



100, 120 and 140





2. LED Connection

FPC-to-Board (2 Piece)



BM28

Low Profile, Space-Saving Hybrid Connector up to 5A

Pitch: 0.35mm

Stacking Height: 0.6mm

Depth: 1.7mm

No. of Pos.: 6-60+2pos. Rated Current: 5A for power 0.3A for signal



DF40

Wide Stacking Height Variety

Pitch: 0.4mm

Stacking Height: 1.5-4.0mm

Depth: 3.38mm No. of Pos.: 10-120pos. Rated Current: 0.3A USB4 Gen.2 (10Gbps)



DF40GB

EMI Prevention with Shield

Pitch: 0.4mm

Mated Height: 1.5/3.0/3.5mm

Depth: 3.68mm No. of Pos.: 10-70pos. Rated Current: 0.3A

FPC (1 Piece)





FH34

Top & Bottom Contact Back Flip FPC/FFC Pitch: 0.5mm Height: 1.0mm Depth: 3.8mm No. of Pos.: 4-50pos. Rated Current: 0.5A



OneAction FH.



FH62

Superior Operability (One Action) Top Contact Pitch: 0.25mm Height: 1.1mm Depth: 4.0mm

No. of Pos.: 13-61pos. Rated Current: 0.3A

OneAction FH.



FH72

Superior Operability
(One Action)
Top Contact
Pitch: 0.3mm
Height: 0.9mm
Depth: 3.5mm
No. of Pos.: 11-31pos.
(Planned Development: 7-31)

Rated Current: 0.3A



3. Switch Connection

FPC (1 Piece)



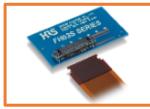
FH41

Shielded FFC Connectors

for High Speed Pitch :0.5mm Height :2.5mm Depth: 6.2mm

No. of Pos.: 15-68pos. Rated Current: 0.5A

OneAction FH.

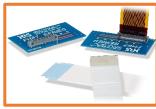


FH63S

One Action Pitch: 0.5mm Height: 2.8mm Depth: 5.15mm

No. of Pos. : 10,20,30,40Pos Rated Current: 0.5A

OneAction FH.



FH67

One Action Pitch: 0.5mm Height: 5.2mm Depth: 3.57mm No. of Pos.: 10-40 Rated Current: 0.5A

FPC-to-Board (2 Piece)



DF17

Wide Stacking Height Variety

Pitch: 0.5mm

Stacking Height :4.0-8.0mm

Depth: 5.7mm No. of Pos.: 20-80pos. Rated Current: 0.3A



Stacking Height: 3.0-5.0mm

Depth: 4.6mm No. of Pos.: 10-80pos.

Rated Current: 0.3A





4. Antenna Connection (5G/AIP/Wi-Fi)

Miniature RF Connector



X.FL Superior High Frequency Mated Height: 1.0mm Max. Frequency: 0 to 6GHz

V.S.W.R.: 1.4 Max.



WiGig Standard
Mated Height: 1.3mm Max.
Frequency: 0 to 12GHz
V.S.W.R.: 1.7 Max.
Intel WiGig Recommended



C.FL
Micro RF
Mated Height: 0.92mm
Frequency: 0 to 30GHz
V.S.W.R.: 1.6 Max.



W.FL2 Small Mated Height: 1.3mm Max. Frequency: 0 to 6GHz V.S.W.R.: 1.5 Max.



U.FL(A)
Widely Used RF Connector
Mated Height: 2.0mm Max.
or 2.4-2.5 Max.
Frequency: 0 to 6GHz

Frequency: 0 to 6GHz V.S.W.R.: 1.5 Max.



Switch for Module Functionality Inspection Height: 1.35mm Frequency: DC-11GHz V.S.W.R.: 1.5 Max.





4. Antenna Connection (5G/AIP/Wi-Fi)

FPC-to-Board (2 Piece)



BM46

Multi-RF Board-to-Board Pitch: 0.35mm Stacking Height: 0.6mm Frequency: 0 to 12GHz V.S.W.R.: 1.6 Max.

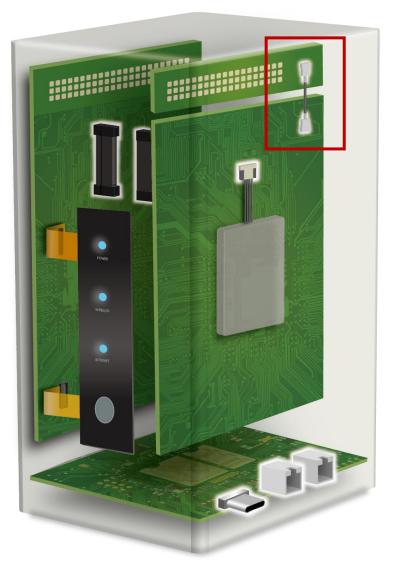




BM56G

Multi-RF Board-to-Board Pitch: 0.35mm

Stacking Height: 0.6mm Frequency: 0 to 20GHz V.S.W.R.: 1.5 Max.





5. Battery Connection

Wire-to-Board



DF52

Small, High Current Capacity

Pitch: 0.8mm

Mated Height: 1.75mm Depth: 4.10mm

No. of Pos.: 2-20pos AWG Wire: 28-32

Rated Current: 2.5A Max.



DF61

Low Profile, Snap Lock Design

Pitch: 2.2mm

Mated Height: 2.38mm

Depth: 7.35mm No. of Pos.: 2pos. AWG Wire: 22-28

Rated Current: 5A Max.



DF59

3Way System Connector

Pitch: 2.0mm

Mated Height: 2.48mm Depth: 8.15mm No. of Pos.: 2-4pos.

AWG Wire: 22

Rated Current: 3A Max.



DF65

Small, High Current Capacity

Pitch: 1.7mm

Mated Height: 1.8mm Depth: 6.3mm No. of Pos.: 3-7pos.

AWG Wire: 24-28 Rated Current: 4A Max.

DF61Y

Small, Snap Lock Design

Pitch: 2.2mm

Mated Height: 2.0mm Depth: 7.35mm No. of Pos.: 2pos. AWG Wire: 24-28

Rated Current: 4A Max.

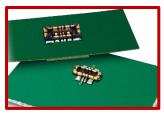






5. Battery Connection

FPC-to-Board (2 Piece)



BM25

Ideal for Quick Charge Power Connector Pitch: 0.4mm Mated Height: 0.7mm

Depth: 2.6mm No. of Pos.: 4+2pos.

Rated Current: 10A for power

0.3A for signal



BK22

15A Rated Current, Power/Signal Hybrid FPC-to-Board Connector

Pitch: 0.4mm

Mated Height: 0.7mm No. of Pos.: 4+2pos.6+2Pos Rated Current: 15A for power



BM50

15A Rated Current, Power/Signal Hybrid FPC-to-Board Connector

Pitch: 0.35mm Mated Height: 0.6mm

No. of Pos.: 4+2pos

Rated Current: 15A for power



This product was selected as a CES Innovation Awards +





6. Ethernet Connection

Ethernet Connection



RJ45 EMI Modular Jack



Cat.6A Ethernet Small and Robust Next Generation Ethernet Connector

7. Interface Connection

I/O Connector



CX90B2-24P USB Type-C Top-Mount Right Angle SMT Double-row 24pos.



CX90B-16P USB Type-C USB2.0, 6A Top-Mount, 16pos.



CX80B2-24P Top Mount Vertical SMT 24Pos.



