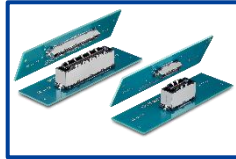
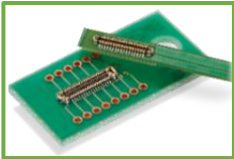


1 Main to Sub Board Connection

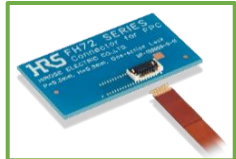
High-Speed
Board-to-Board,
Floating



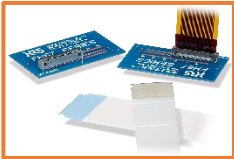
High-Speed Shield,
Board-to-Board,
Floating

2 LED Connection

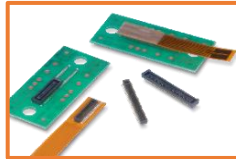
Ultra Small
Power/Signal,
Board-to-Board



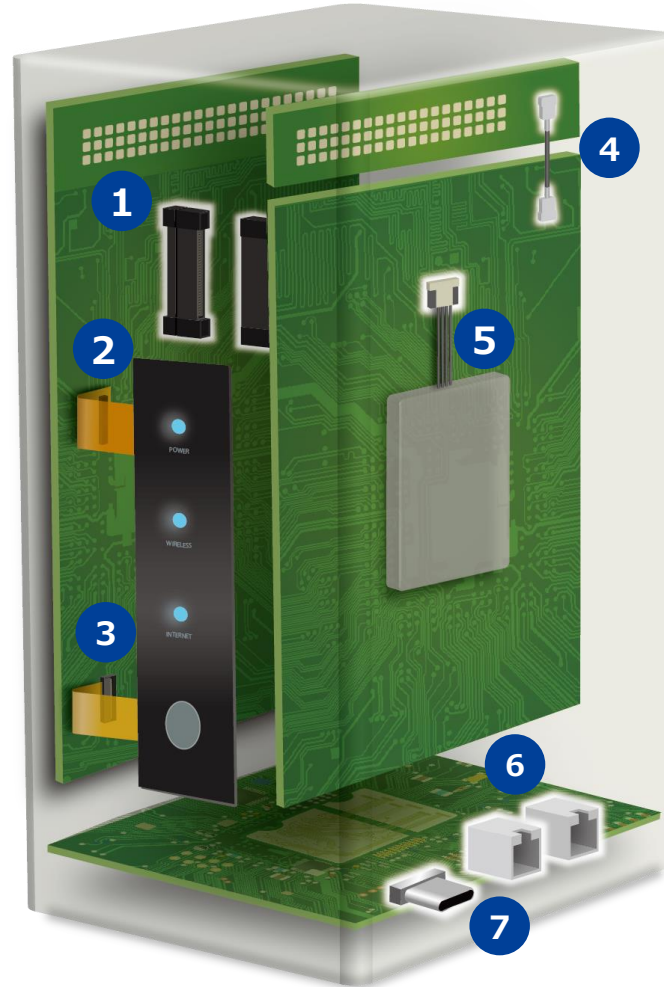
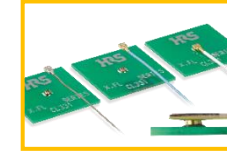
Standard FPC,
Low Pitch

3 Switch Connection

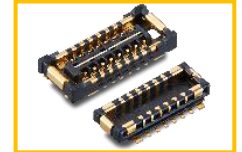
One Action,
Vertical/Shield
FFC



Wide Stacking
Height Variations

**4 Antenna Connection**

RF Connector



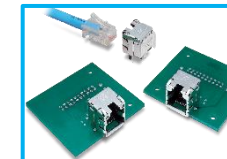
Multi-RF
Board-to-Board

5 Battery Connection

Compact & Robust
Board-to-Wire



Low Profile
Board-to-Wire

6 Ethernet Connection

High-Speed
Standard Ethernet



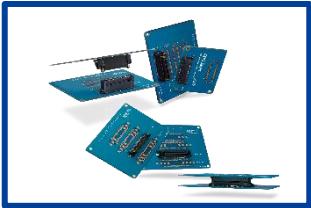
Next Generation
Ethernet Connector

7 I/O

Type-C Connector

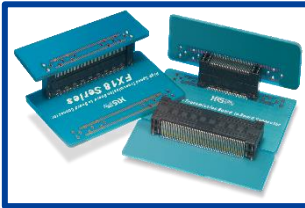
1. Main to Sub Board Connection

High Speed



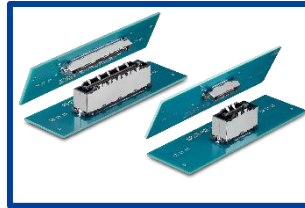
FX23/FX23L

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



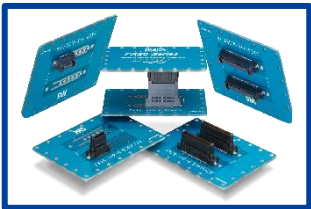
FX18

High-Speed Transmission
0.8mmPitch
Straight/Right Angle
No. of Pos.: 40, 60, 80, 100.
120.140.
Rated Current : 3A/Power Pin



KP27F

125°C High Heat Resistance
Floating Range:
 $\pm 0.8\text{mm}$ in X&Y Direction
Board-to-Board
Pitch : 0.5mm
Mated Height :21mm
No. of Pos.: 60, 170pos.
Rated Current : 3A/Power Pin



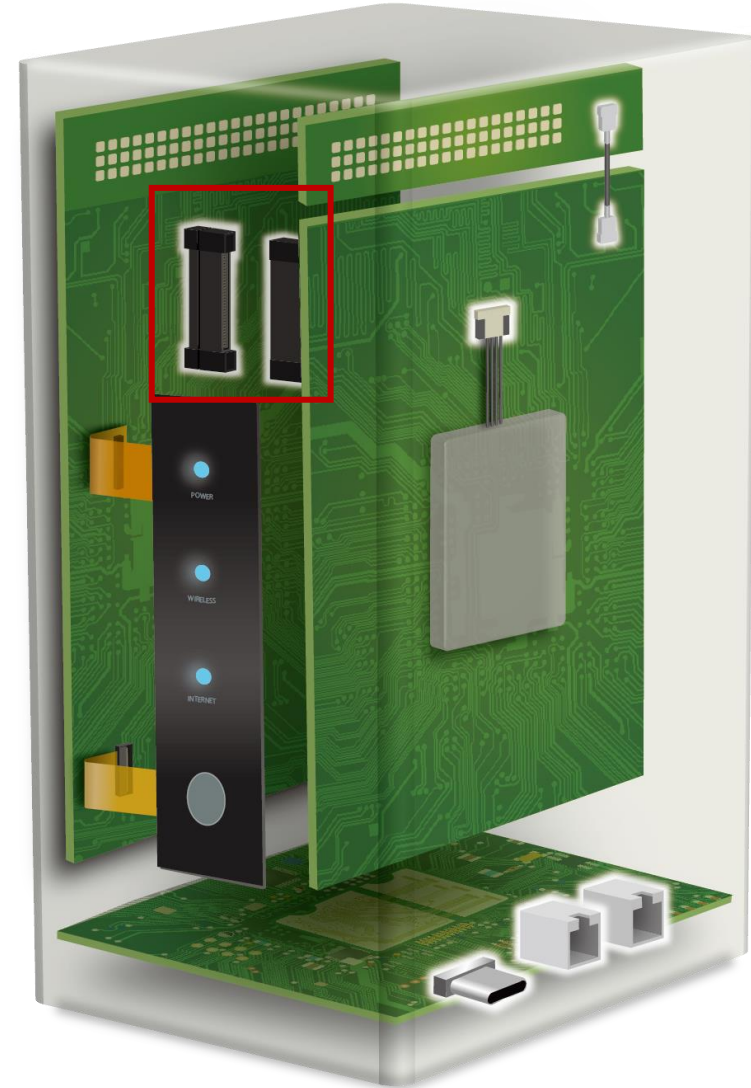
FX20

Board to Board
Floating Design
Pitch: 0.5mm
Floating Range: ± 0.6 to
 0.8mm in the X direction and
 $\pm 0.6\text{mm}$ in the Y direction
No. of Pos.: 20, 40, 60, 80,
100, 120 and 140



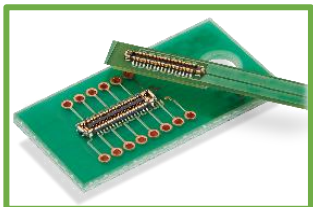
ER8

10+Gbps High Speed Transmission
Pitch: 0.8mm
Smooth Insertion&
High Mating Reliability
Stacking Height: 7-12mm
No. of Pos.: 10-140
Variations: Right Angle/Parallel /Coplanar



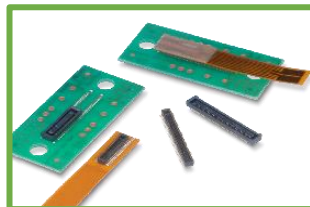
2. LED Connection

FPC-to-Board (2 Piece)



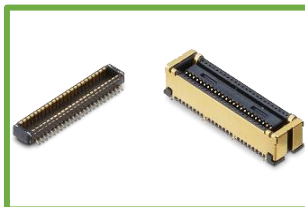
BM28

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



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



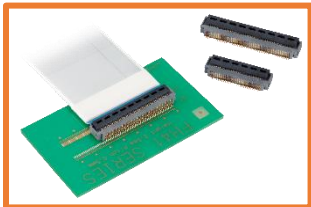
FH72

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

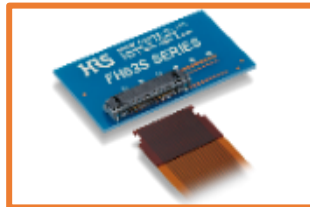
FPC (1 Piece)



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

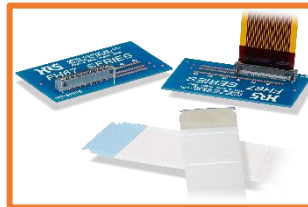
OneAction **FH**™



FH63S

One Action
Pitch : 0.5mm
Height : 2.8mm
Depth : 5.15mm
No. of Pos. : 10,20,30,40Pos
Rated Current : 0.5A

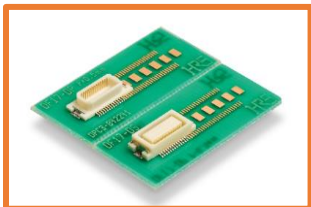
OneAction **FH**™



FH67

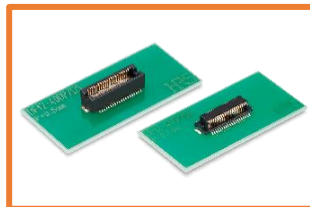
One Action
Pitch : 0.5mm
Height : 5.2mm
Depth : 3.57mm
No. of Pos. : 10-40
Rated Current : 0.5A

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



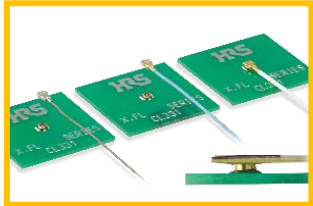
DF12N

Wide Stacking Height Variety
Pitch : 0.5mm
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



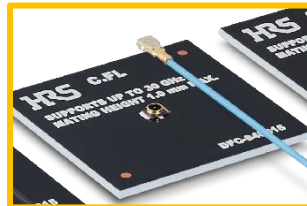
X.FL

Superior High Frequency
Mated Height: 1.0mm Max.
Frequency: 0 to 6GHz
V.S.W.R.: 1.4 Max.



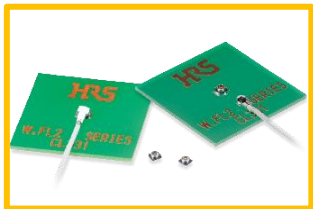
X.FL (Low Loss Type)

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.



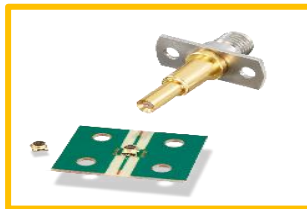
W.FL2

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
V.S.W.R.: 1.5 Max.



MS-156C

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)

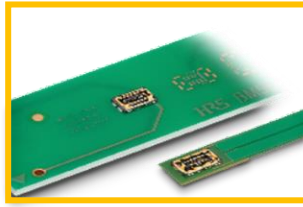
HRS 5G



BM46

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

HRS 5G



BM56G

Multi-RF
Board-to-Board
Pitch: 0.35mm
Stacking Height: 0.6mm
Frequency: 0 to 20GHz
V.S.W.R.: 1.5 Max.



This product
was selected as a
CES
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Awards
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5. Battery Connection

Wire-to-Board



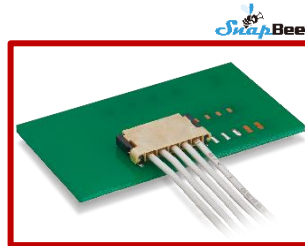
DF52

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.



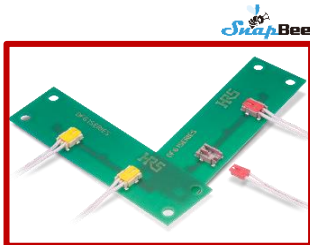
DF59

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.



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.



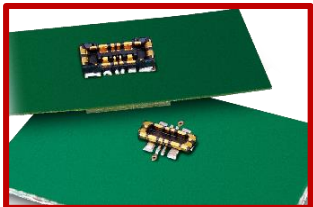
DF61Y

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.



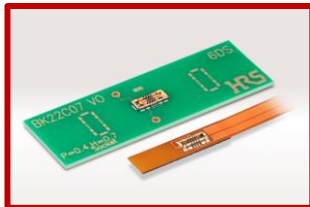
5. Battery Connection

FPC-to-Board (2 Piece)



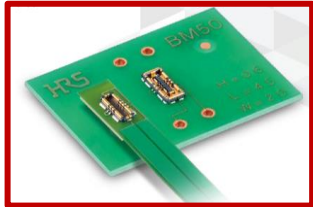
BM25

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

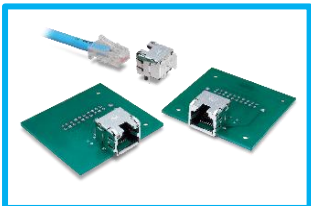


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Awards
Honoree *



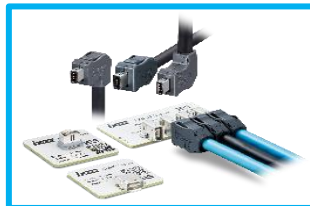
6. Ethernet Connection

Ethernet Connection



TM11R

RJ45
EMI Modular Jack



ix Industrial™

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.

