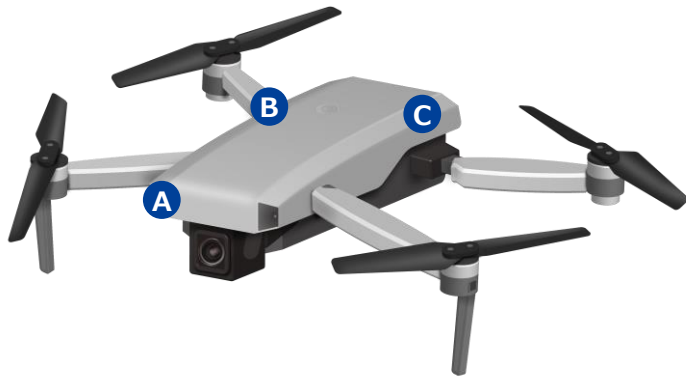
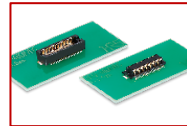




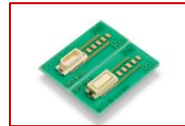
## A Camera Module Connection

### Board-to-Board



#### DF12N

Pitch : 0.5mm  
Stacking Height :  
3.0-5.0mm  
Depth : 4.6mm



#### DF17

Pitch: 0.5mm  
Stacking Height :  
4.0-8.0mm  
Depth : 5.7mm



#### DF40

Pitch: 0.4mm  
Stacking Height :  
1.5-4.0mm  
Depth : 3.38mm



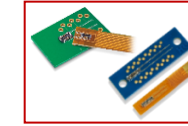
#### BK13C

Pitch : 0.35mm  
Stacking Height :  
0.6mm  
Depth : 1.9mm



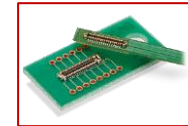
#### BM20

Pitch : 0.4mm  
Stacking Height :  
0.6/0.8mm  
Depth : 2.3mm



#### BM23FR/BM23PF

Pitch : 0.35mm  
Stacking Height :  
0.6/0.8mm  
Depth : 1.98mm

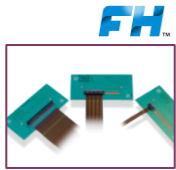


#### BM28

Pitch : 0.35mm  
Stacking Height :  
0.6mm  
Depth : 1.7mm

## B Internal Connection

### FPC-to-Board



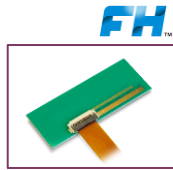
#### FH52K

Front Flip  
Pitch : 0.5/1.0mm  
Height : 2.0 mm  
Depth : 5.0mm



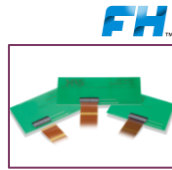
#### FH34

Back Flip  
Pitch : 0.5mm  
Height : 1.0mm  
Depth : 3.8mm



#### TF31

Front Flip  
Pitch : 0.5/1.0mm  
Height :  
1.75/2.0mm  
Depth : 5.7mm



#### FH35C

Back Flip  
Pitch : 0.3mm  
Height : 0.9mm  
Depth : 4.2mm



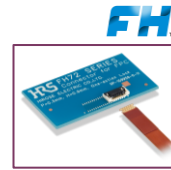
#### FH58

Back Flip  
Pitch : 0.2/0.25mm  
Height : 0.9mm  
Depth : 3.1mm



#### FH63S

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



#### FH72

Front Flip  
Pitch : 0.3mm  
Height : 0.9mm  
Depth : 3.5mm



#### FH67

One Action  
Pitch : 0.5mm  
Height : 5.2mm  
Depth : 3.57mm

### Wire-to-Board



#### DF57

Low Profile, Swing Lock  
Pitch : 1.2mm  
Rated Current : 3.0A Max.



#### DF50

Positive Lock  
Pitch : 1.0mm  
Rated Current :  
1.0A Max.



#### DF58

Low Profile, ViSe Lock  
Pitch : 1.2mm  
Rated Current :  
3.0A Max.



#### DF51

Side Lock  
Pitch : 2.0mm  
Rated Current :  
3.0A Max.



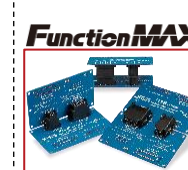
#### DF51K

Center Lock  
Pitch : 2.0mm  
Rated Current :  
3.0A Max.



#### DF59M

Low Profile 1pos.  
Rated Current:  
6A Max.



#### FX30

Floating,  
Coplanar/Parallel/Vertical  
Pitch: 3.81mm  
Rated Current: 25A Max.

### Board-to-Board

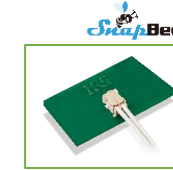
## C Battery Connection

### Wire-to-Board



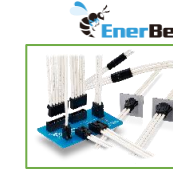
#### DF60

Pitch : 10.16mm  
No. of Pos. : 1-6  
Rated Current :  
50.0A Max.



#### DF61Y

Pitch : 2.2mm  
No. of Pos. : 2  
Rated Current :  
4.0A Max.



#### DF63

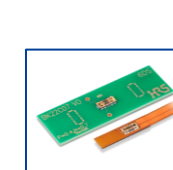
Pitch :  
3.96/7.92mm  
No. of Pos. : 1-6  
Rated Current :  
15.0A Max.



#### DF33C

Pitch : 3.3mm  
No. of Pos. : 2-12  
Rated Current :  
5.0A Max.

### FPC-to-Board



#### BK22

Pitch : 0.4mm  
Stacking Height : 0.7mm  
Rated Current : 15.0A Max.



## D Interface

### Interface



**CX**  
USB Type-C  
Vertical, On Board  
USB4 Gen.2, Space Saving

## E In-Line Connection

### Wire-to-Wire



**DF62**  
Slim In-Line  
Rated Current : 4A Max.



**DF62W**  
Waterproof (IP67 equivalent)  
Rated Current : 5A Max.



**DF63W**  
Waterproof (IP67)  
Rated Current : 14A Max.

## F Antenna Module Connection

### Small RF Cable Connector

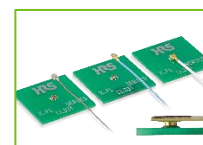
FL CoaxBridge™



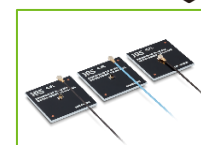
**U.FL**  
Stacking Height :  
2.5mm Max.  
Applicable Cable : 0.81/  
0.95/1.13/ 1.32/1.37mm  
Frequency :  
0-18GHz Max.



**W.FL2**  
Stacking Height:  
1.3mm Max.  
Applicable Cable :  
ø0.5/0.64/0.81mm  
Frequency: 0-12GHz Max.

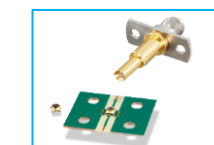


**X.FL**  
Stacking Height :  
1.3mm Max.  
Applicable Cable :  
ø0.5/0.64/0.81/1.13mm  
Frequency : 0-12GHz



**C.FL**  
Stacking Height :  
1.0mm Max.  
Applicable Cable :  
ø0.64mm  
Frequency : 0-30GHz

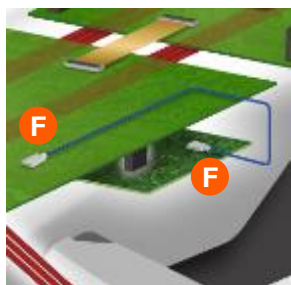
### Coaxial Switch



**MS-156C**  
Size : 2.3×2.3mm  
Height : 1.35mm  
Frequency : 0-11GHz

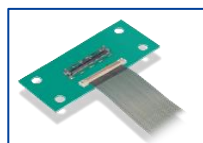


**MS-180**  
Size : 1.8×1.8mm  
Height : 0.85mm  
Frequency : 0-11GHz



## G PCB Connection (High Speed Transmission)

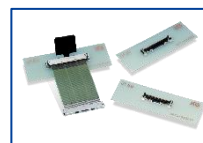
### Micro Coaxial Cable Connector



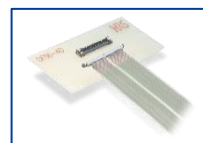
**DF36**  
Vertical Mating  
Pitch : 0.4mm  
Stacking Height : 1.5mm  
Depth : 4.4mm



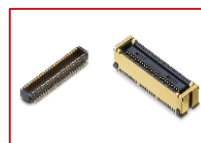
**DF81**  
Horizontal Mating  
Pitch : 0.4mm  
Stacking Height : 0.9mm  
Depth : 4.4mm



**DF80**  
Vertical Mating  
Pitch : 0.5mm  
Stacking Height : 1.8mm  
Depth : 5.1mm



**DF56**  
Vertical Mating  
Pitch : 0.3mm  
Stacking Height : 1.25mm  
Depth : 2.6mm



**DF40**  
Shielded Type, Small  
Pitch : 0.4mm  
Stacking Height : 1.5-3.5mm  
Depth : 3.68mm  
Transmission Speed : 10Gbps



**FX18**  
Floating  
Pitch : 0.8mm  
Stacking Height : 10-45mm  
Transmission : 10+Gbps



**FX23/FX23L**  
Floating  
Pitch : 0.5mm  
Stacking Height : 8-30mm  
Transmission : 8+Gbps



**FH55**  
Back Flip  
Pitch: 0.4/0.5mm  
Stacking Height: 1.5mm  
Transmission : 10+Gbps