

HRS Drone Connector Line Up

Hirose Electric, as a world leader in the connectivity industry, has been developed a broad innovative electronic connectors over the years since its founding. Please visit our Web site for details of the listed products as well as other related product lines.



A Camera Module

Board to Board

DF12

DF17

DF40

KN13

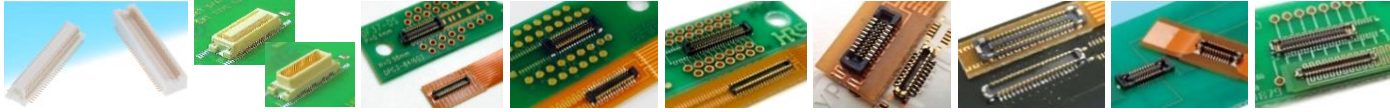
BM20

BM15FR

BM23

BM24

BM28



Series	DF12	DF17	DF40	KN13	BM20	BM15FR	BM23	BM24 (Power & Signal)	BM28 (Power & Signal)
Pitch (mm)	0.5	0.5	0.4	0.4	0.4	0.35	0.35	0.35	0.35
Height (mm)	3.0~5.0	4.0~8.0	1.5~4.0	0.8	0.6/0.8	0.7/0.8/1.0	0.6/0.8	0.8	0.6
Depth(mm)	4.6	5.7	3.38	2.5	2.3	1.98	1.98	2.3	1.7

B Internal Connection

Board to FPC

FH52

FH34SRJ

TF31

FH26

FH35C

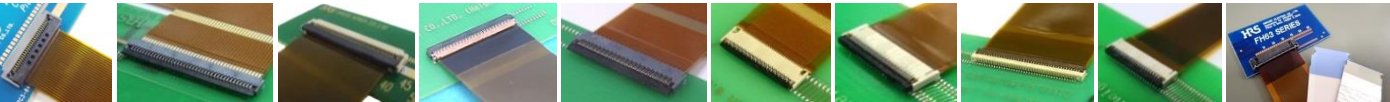
FH42

FH53(M)

FH43B

FH58

FH63



Series	FH52	FH34SRJ	TF31	FH26	FH35C	FH42	FH53(M)	FH43B	FH58	FH63*
Flip	Back	Front	Front	Back	Back	Back	Front	Back	Back	Back
Pitch (mm)	0.5	0.5	0.5/1.0	0.3	0.3	0.3	0.2/0.25	0.2	0.2	0.5
Height (mm)	2.0	1.0	1.75/2.0	1.0	0.9	0.65	0.65	0.9	0.9	2.8
Depth (mm)	5.7	3.2	3.38	2.5	2.3	1.98	3.2	2.77	3.1	5.15

Board to Wire

*One action lock

DF11

DF13

DF14

DF57H

DF50

DF52

DF58

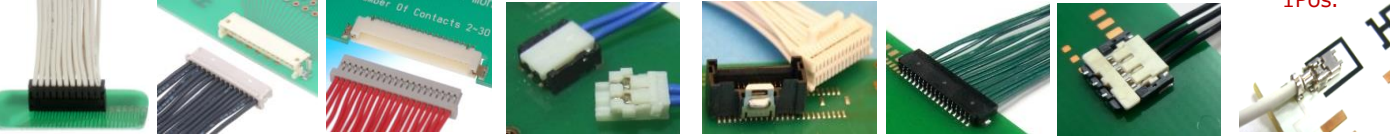
DF59M

Double row

Wide variety,
DIP/SMTRight angle,
Low profileSwing Lock,
Low profile

Positive lock

Small & Robust

Low profile,
Vise lockLow profile,
1Pos.Pitch: 2.0mm
Rated Current:
2A Max.Pitch: 1.25mm
Rated Current:
1A Max.Pitch: 1.25mm
Rated Current:
1A Max.Pitch: 1.2mm
Mated height: 1.4mm
Rated Current: 2.5A Max.Pitch: 1.0mm
Rated Current:
1A Max.Pitch: 0.8mm
Rated Current:
2.5A Max.Pitch: 1.2mm
Rated Current:
3A Max.Rated Current:
6A Max.

C Battery

Board to Board

FX30B

17A Max.

Pitch: 3.81mm
Floating structure

Board to Wire

DF60

45A Max.

Pitch: 10.16mm
Pos.: 1 to 6pos.

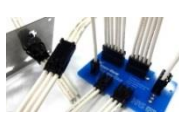
DF22

30A Max.

Pitch: 7.92mm
Pos.: 1 to 5pos.

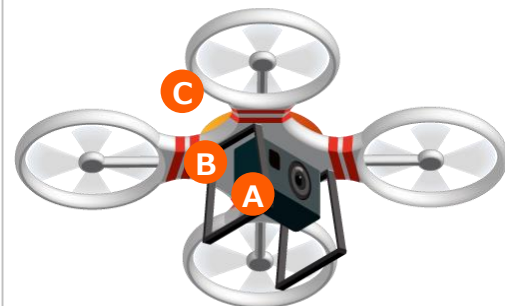
DF63

15A Max.

Pitch: 3.96mm
Pos.: 1 to 6pos.

DF33

5A Max.

Pitch: 3.3mm
Pos.: 2 to 12pos.

D Inline

Wire to Wire

DF62

Slim In-line



Rated Current:
4A Max.

DF62W

Water Resistant
(IP67)



Rated Current:
3A Max.

DF63W

Water Resistant(IP67)



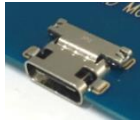
Rated Current: 4A Max.

E Interface

I/O & Card

CX70M

USB Type C
Mid-mount



USB3,1 Gen1
Space saving

CX90B1

USB Type C
On-board



USB3.1 Gen2
Robust

ZX360

Micro USB 3.0



Transmission Speed:
5Gbps
Applicable Cable:
28 AWG

KP10BH

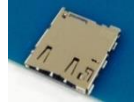
Micro SIM Card Socket



Push-Pull Type
Height: 1.25mm

KP13B

nano SIM Card Socket



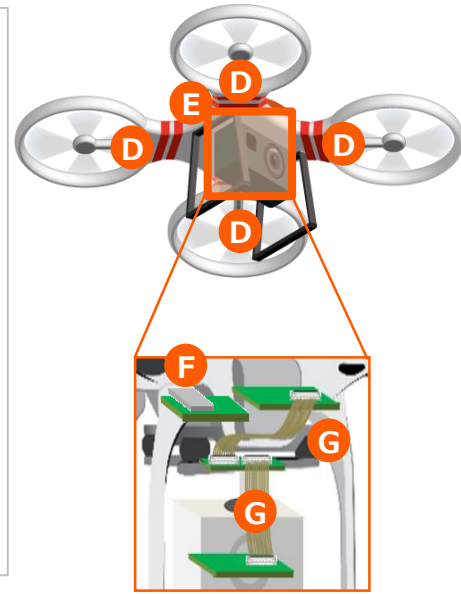
Push-Push Type
Height: 1.18mm

DM3NW

Ultra Low Profile
micro SD



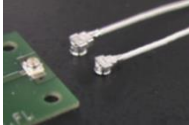
Push-Push Type
Height: 1.15mm



F Antenna Module

RF Connector

U.FL



Mated height:
1.9mm (2.0mm Max.)/
2.4mm (2.5mm Max.)
Applicable Cable:
ø 0.81/1.13/1.32mm

X.FL



Mated height:
0.94mm (1.0mm Max.)/
1.2mm (1.3mm Max.)
Applicable Cable:
ø 0.5/0.64/0.81/ø1.13mm

MMCX



V.S.W.R. : 1.2Max.
(0 to 6GHz)
SMT type Receptacle:
1.2 Max. (up to 4GHz)/
1.3 Max. (up to 6GHz)
Cable assembly with
H.FL available

W.FL



Mated height:
1.4mm
(1.55mm Max.)
Applicable Cable:
ø0.81/1.0mm

W.FL2



Mated height:
1.18mm
(1.3mm Max.)
Applicable Cable:
ø0.5/0.64/
0.81/1.0mm

RF Switch

MS-156C



Size: 2.3 x 2.3mm
Height: 1.35mm
Frequency:
0 to 11GHz

MS-180



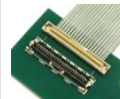
Size: 1.8 x 1.8mm
Height: 0.85mm
Frequency:
0 to 11GHz

G PCB Connection (High Speed Transmission)

Micro Coaxial Connector

DF36A

Vertical



Pitch: 0.4mm
Height: 1.5mm
Depth: 4.4mm

DF38

Vertical



Pitch: 0.3mm
Height: 1.5mm
Depth: 3.7mm

DF56

Vertical



Pitch: 0.3mm
Height: 1.25mm
Depth: 2.6mm

DF81

Horizon



Pitch: 0.4mm
Height: 0.9mm
Depth: 4.4 mm

Board to Board

DF40G

Shielded,
Small BtoB

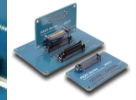


FX18

Floating Structure



FX23



Board to FPC

FH55/FH55M

Back flip



Series	DF40G	FX18	FX23	FH55/ FH55M
Pitch (mm)	0.4	0.8	0.5	0.4/0.5
Height (mm)	1.5 to 3.0	10 to 45	15 to 30	1.5
Depth (mm)	3.38	-	-	-
Frequency (Gbps)	3.38	10	8	5

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