



Service Robotics 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.

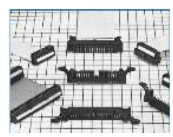


A

Internal Connection

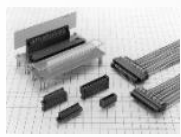
Board to Board

HIF3



Pitch: 2.54mm
MIL standard

FX2



Pitch: 1.27mm
Height: 12 to 66mm

FX18



Pitch: 0.8mm
Height: 10 to 45mm
High-speed transmission (10Gbps)

FX8C



Pitch: 0.6mm
Height: 3 to 16mm

FX10



Pitch: 0.5mm
Height: 4 to 13mm
High-speed transmission (15Gbps)

FX20



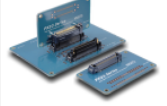
Pitch: 0.5mm
Height: 15 to 30mm
Floating type

FX22



Pitch: 0.5mm
Height: 4.2mm
Floating type

FX23



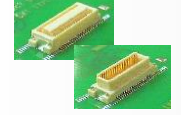
Pitch: 0.5mm
Height: 15 to 30mm
Floating Type
High-speed transmission (8Gbps)

DF12



Pitch: 0.5mm
Height: 3.0 to 5.0mm
Depth: 4.6mm

DF17



Pitch: 0.5mm
Height: 4.0 to 8.0mm
Depth: 5.7mm

DF37



Pitch: 0.4mm
Height: 0.98/1.5mm
Depth: 2.98mm

DF40



Pitch: 0.4mm
Height: 1.5 to 4.0mm
Depth: 3.38mm

KN13



Pitch: 0.4mm
Height: 0.8mm
Depth: 2.5mm

BM20



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

DF40GL



Pitch: 0.4mm
Height: 1.5mm
Depth: 3.38mm

Board to FPC

FH63



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

FH28



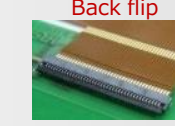
Pitch: 0.5mm
Height: 2.55mm
Depth: 6.4mm

FH52



Pitch: 0.5mm
Height: 2.0mm
Depth: 7.2mm

FH34SRJ



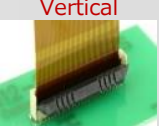
Pitch: 0.5mm
Height: 1.0mm
Depth: 3.2mm

FH41



Pitch: 0.5mm
Height: 2.5mm
Depth: 6.2mm

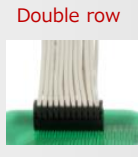
FH40



Pitch: 0.5mm
Height: 5.8mm
Depth: 3.05mm

Board to Wire

DF11



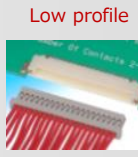
Pitch: 2.0mm
Rated current: 2A Max.

DF13



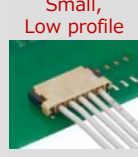
Pitch: 1.25mm
Rated current: 1A Max.

DF14



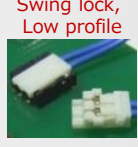
Pitch: 1.25mm
Height: 1.6mm
Rated current: 1A Max.

DF65



Pitch: 1.7mm
Height: 1.8mm
Rated current: 4A Max.

DF57H



Pitch: 1.2mm
Height: 1.4mm
Rated current: 2.5A Max.

DF50



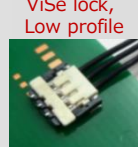
Pitch: 1.0mm
Rated current: 1A Max.

DF52



Pitch: 0.8mm
Rated current: 2.5A Max.

DF58



Pitch: 1.2mm
Height: 1.0mm
Rated current: 3A Max.

B

Antenna/Microphone Module

Miniature RF

U.FL



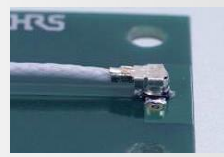
Mated height: 1.9mm (2.0mm Max.)
Applicable Cable: \varnothing 0.81/1.31/1.32mm

W.FL



Mated height: 1.4mm (1.55mm Max.)
Applicable Cable: \varnothing 0.81/1.0mm

W.FL2

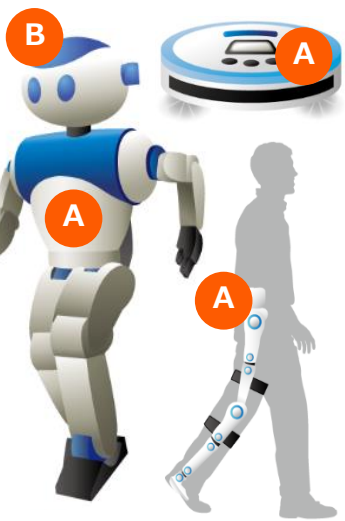


Mated height: 1.18mm (1.3mm Max.)
Applicable Cable: \varnothing 0.81/1.0mm

X.FL



Mated height: 0.94mm (1.0mm Max.)/
1.2mm (1.3mm Max.)
Applicable Cable: \varnothing 0.5/0.64/0.81/1.13mm



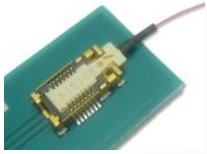
C

In-line

Optical

BF4M

Optical active connector



Supporting up to 6Gbps

DF62

Slim In-line

Rated Current:
4A Max.

In-line

DF62W

Water resistant
(IP67)Rated Current:
3A Max.

DF63W

Water resistant
(IP67)Rated Current:
14A Max.

LF

Water resistant (IP68)
ShieldedRated Current:
10A Max.

HR30

Water resistant (IP68)
Push-Pull LockRated Current:
5A Max.

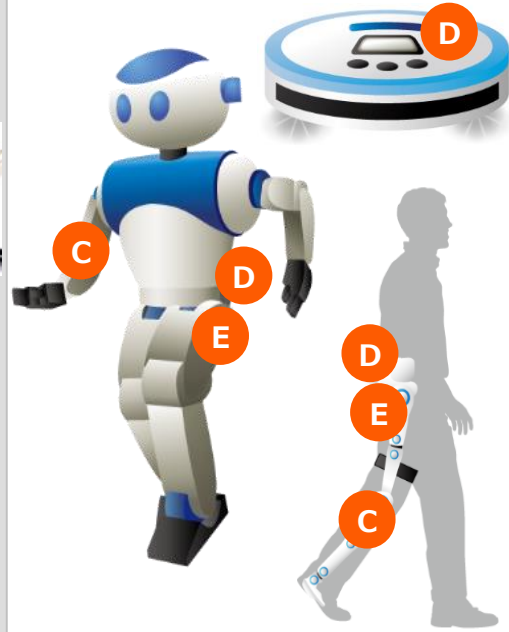
HR10A

Push-Pull lock

Rated Current:
2A Max.

HR25A

Push-Pull lock

Rated Current:
1A Max.

D

Battery

Board to Board

FX30B

Floating structure
17A Max.

Pitch: 3.81mm

DF60

Power supply
45A Max.

Pitch: 10.16mm

DF22

Power supply
30A Max.

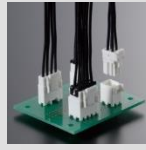
Pitch: 7.92mm

DF63

Power supply
15A Max.

Pitch: 3.96mm

DF33

Power supply
5A Max.

Pitch: 3.3mm

Board to Wire

E

Interface

I/O

CX90B1

USB Type C

Transmission Speed :
10Gbps
On-board, Robust

ZX360

Micro USB 3.0

Transmission Speed :
5Gbps
Applicable cable: 28 AWG

For more information about Hirose products

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