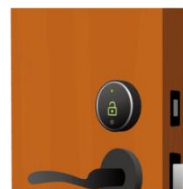




Products for Smart Home Devices

Web Camera/Thermostat/Voice command
Controller/Smart Detector/Smart Lock



HRS Products for Smart Home

▼ Display/Camera/Speaker/Microphone/ Sensor Connection

● FPC/FFC Connector			Pitch (mm)	Stacking Height (mm)	Depth (mm)	Pin Count	Max. Rated Current (A)	
			FH12SV (Vertical)	0.5/1.0	4.85	3.80	10 to 60	0.5
			FH52	0.5/1.0	2.00	5.70	6 to 60	0.5
			FH34SRJ	0.5	1.0	3.80	4 to 50	0.5
			FH40 (Vertical)	0.5	5.80	3.55	10 to 80	0.5
			FH35C	0.3	0.9	4.20	9 to 61	0.2
			FH58/FH58M	0.2/0.25	0.9	3.10	7 to 71	0.2
● Board to Board Connector			Pitch (mm)	Stacking Height (mm)	Depth (mm)	Pin Count	Max. Rated Current (A)	
			DF12	0.5	3.0, 3.5, 4.0, 5.0	4.60	10 to 80	0.3
			DF17	0.5	4.0 to 8.0	5.70	20 to 80	0.3
			BM20	0.4	0.6, 0.8	2.3	10 to 60	0.3
			DF40	0.4	1.5 to 4.0	3.38	10 to 100	0.3
			BM24	0.35	0.8	2.3	10 to 40	5 0.25
			BM28	0.35	0.6	1.7	6 to 60	4A for power 0.3A for signal
● Board to Wire Connector			Pitch (mm)	Stacking Height (mm)	Depth (mm)	Pin Count	Max. Rated Current (A)	
			DF65 (Positive Lock)	1.7	Vertical: 1.80	6.30	3 to 7	4.0
			DF13 (SMT Type)	1.25 Single-row	Vertical: 5.80 Horizontal: 3.60	Vertical: 3.40 Horizontal: 6.00	2 to 15	1.0
			DF57H (Swing Lock)	1.2	Vertical: 1.40	4.65	2 to 6	2.5
			DF20	1.0 Double-row	Vertical: 5.80 Horizontal: 5.50	Vertical: 5.40 Horizontal: 6.20	10 to 50	1.0
			DF50A (Positive Lock)	1.0 Single-row	Vertical: 7.35 Horizontal: 7.05	Vertical: 6.85 Horizontal: 7.90	2 to 16	1.0
			DF52	0.8	Horizontal: 1.75	4.10	2 to 20	2.5

※Variations under development are included.
Confirm the latest information through your HRS contact person. (As of Oct, 2016)

Specifications herein are subject to change without notice. Contact Hirose for latest specifications, drawings, or availabilities.

▼ Antenna Connection

● Micro Coaxial Connector



	Frequency (GHz)	Occupied Mounting Area (mm)	Max. Stacking Height (mm)
U.FL	DC to 6	3.0 x 3.1	2.0, 2.5
W.FL	DC to 6	2.0 x 2.0	1.65, 1.4
W.FL2	DC to 6	2.0 x 2.0	1.18
X.FL	DC to 6 DC to 12 (Low Loss)	2.0 x 2.0	1.0 1.3 (Low Loss)

● Micro Coaxial Switch



	Frequency (GHz)	Occupied Mounting Area (mm)	Max. Stacking Height (mm)
MS-156C3	DC to 11	2.3 x 2.3	1.35
MS-180	DC to 11	1.8 x 1.8	0.85
MS-190	DC to 11	1.45 x 1.45	0.68

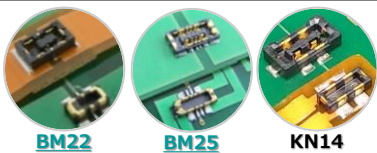
▼ I/O Connection

● I/O Connector



▼ Battery Connection

● Board to Board Connector



	Pitch (mm)	Stacking Height (mm)	Depth (mm)	Pin Count	Max. Rated Current (A)
BM22	0.4	0.9	2.64	2+2, 4+2	4A (Power), 0.3A (Signal)
BM25	0.4	0.7	2.6	4+2, 6+2	9A (Power), 1A (Signal)
KN14	-	0.7	2.2	2+2	6A (Power), 0.6A (Signal)

● Board to Wire Connector



	Pitch (mm)	Stacking Height (mm)	Depth (mm)	Pin Count	Max. Rated Current (A)
DF61Y (ViSe Lock)	2.2	Vertical: 2.00	7.35	2	2.0
DF65 (Positive Lock)	1.7	Vertical: 1.80	6.30	3 to 7	4.0
DF57H (Swing Lock)	1.2	Vertical: 1.40	4.65	2 to 6	2.5
DF52	0.8	Horizontal: 1.75	4.10	2 to 20	2.5

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