



CONNECTING THE FUTURE

Products for Smart Home Devices



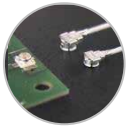



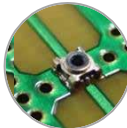
Web Camera | Thermostat | Voice Command Controller | Smart Detector | Smart Lock

HRS Products for Smart Home



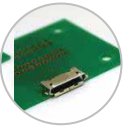
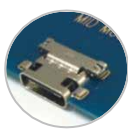
Display | Camera | Speaker | Microphone | Sensor Connection

FPC/FFC Connector			Pitch (mm)	Stacking Height (mm)	Depth (mm)	Pin Count	Max. Rated Current (A)	
			TF38	0.5	5.20	4.96	18 to 60	0.5
			FH40 (Vertical)	0.5	5.80	3.55	10 to 80	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
			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
TF38	FH40	FH52						
FH34SRJ	FH35C	FH58/FH58M						
Board to Board Connector			Pitch (mm)	Stacking Height (mm)	Depth (mm)	Pin Count	Max. Rated Current (A)	
			DF17	0.5	4.0 ~ 8.0	5.70	20 ~ 80	0.3
			DF12	0.5	3.0, 3.5, 4.0, 5.0	4.60	10 ~ 80	0.3
			DF40	0.4	1.5 ~ 4.0	3.38	10 ~ 100	0.3
			BM20	0.4	0.6, 0.8	2.3	10 to 60	0.3
			BM23FR	0.35	0.6, 0.8	1.98	6 to 60	0.3
			BM28	0.35	0.6	1.7	6 to 60	4(Power), 0.3(Signal)
DF17	DF12	DF40						
BM20	BM23FR	BM28						
Board to Wire Connector			Pitch (mm)	Stacking Height (mm)	Depth (mm)	Pin Count	Max. Rated Current (A)	
			DF50A (Positive Lock)	1.0 Single-row	Vertical : 7.35 Horizontal : 7.05	Vertical : 6.85 Horizontal : 7.90	2 to 16	1.0
			DF20	1.0 Double-rows	Vertical : 5.80 Horizontal : 5.50	Vertical : 5.40 Horizontal : 6.20	10 to 50	1.0
			DF13 (SMT Type)	1.25 Single-row	Vertical : 5.80 Horizontal : 3.60	Vertical : 3.40 Horizontal : 6.00	2 to 15	1.0
			DF65 (Positive Lock)	1.7	Vertical : 1.80	6.30	3 to 7	4.0
			DF52	0.8	Horizontal : 1.75	4.10	2 to 20	2.5
			DF57H (Swing Lock)	1.2	Vertical : 1.40	4.65	2 to 6	2.5
DF50A	DF20	DF13						
DF65	DF52	DF57H						

Antenna Connection

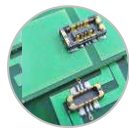
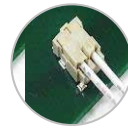
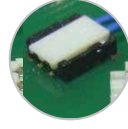
Micro Coaxial Connector		Frequency (GHz)	Occupied Mounting Area (mm)	Max. Stacking Height (mm)
 U.FL (A)  X.FL	U.FL (A)	DC to 6	3.0 x 3.1	2.0, 2.5
	X.FL	DC to 6 DC to 12 (Low Loss)	2.0 x 2.0	1.0 1.3 (Low Loss)
Micro Coaxial Switch		Frequency (GHz)	Occupied Mounting Area (mm)	Max. Stacking Height (mm)
 MS-156C3  MS-180  MS-190	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			
 ZX Micro USB2.0	 ZX360 Micro USB3.0	 GX 0.4 mm pitch Compact I/F Connector	 CX70M USB Type C



Battery Connection

Board to Board Connector		Pitch (mm)	Stacking Height (mm)	Depth (mm)	Pin Count	Max. Rated Current (A)
 BM22  BM25  KN14	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)
 DF65  DF61Y  DF52  DF57H	DF65 (Positive Lock)	1.7	Vertical : 1.80	6.30	3 to 7	4.0
	DF61Y (ViSe Lock)	2.2	Vertical : 2.00	7.35	2	2.0
	DF52	0.8	Horizontal : 1.75	4.10	2 to 20	2.5
	DF57H (Swing Lock)	1.2	Vertical : 1.40	4.65	2 to 6	2.5

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