



CONNECTING THE FUTURE

Products for Smart Home Devices



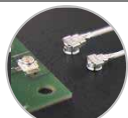



Web Camera | Thermostat | Voice Command Controller | Smart Detector | Smart Lock




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)	
			FH12SV (Vertical)	0.5/1.0	4.85	3.80	10to 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
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)
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
DF65	DF52	DF57H						

Antenna Connection

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

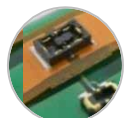
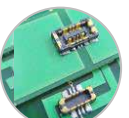

Micro Coaxial Switch			Frequency (GHz)	Occupied Mounting Area (mm)	Max. Stacking Height (mm)	
			MS-156C3	DC to 11	2.3 x 2.3	1.35
MS-156C3	MS-180	MS-190	MS-180	DC to 11	1.8 x 1.8	0.85
			MS-190	DC to 11	1.45 x 1.45	0.68



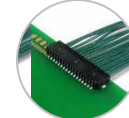
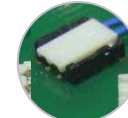
I/O Connection

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	0.4	0.9	2.64	2+2, 4+2	4A(Power), 0.3A(Signal)
BM22	BM25	KN14	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 (Positive Lock)	1.7	Vertical : 1.80	6.30	3 to 7	4.0
DF65	DF61Y	DF52	DF57H	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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