







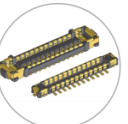
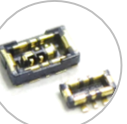
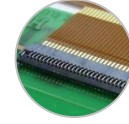
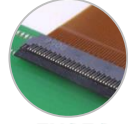


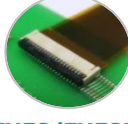

# Products for Mobile Terminal Devices

## Smart Phones / Wearable Devices



### HRS Products for Smart Phones / Wearable Devices

#### ▼ Display / Main-Sub board / Sensor Connection







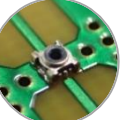
● Standard Board to Board Connector			Pitch (mm)	Stacking Height (mm)	Depth (mm)	Pin Count	Max. Rated Current (A)	
			<a href="#">BM20</a>	0.4	0.6/0.8	2.3	10 to 80	0.3A
			<a href="#">BM23FR</a>	0.35	0.6	1.98	6 to 60	0.3A
			<a href="#">KN13</a>	0.4	0.8	2.5	10 to 60	0.3A
● Hybrid Board to Board Connector			Pitch (mm)	Stacking Height (mm)	Depth (mm)	Pin Count	Max. Rated Current (A)	
			<a href="#">BM24</a>	0.35	0.8	2.3	10 to 60	5A(Power), 0.25A(Signal)
			<a href="#">BM28</a>	0.35	0.6	1.7	6 to 60	5A(Power), 0.3A(Signal)
			<a href="#">BM29</a>	0.35	0.6	1.5	2 to 24	3A(Power), 0.3A(Signal)
● FPC/FFC Connector			Pitch (mm)	Stacking Height (mm)	Depth (mm)	Pin Count	Max. Rated Current (A)	
			<a href="#">FH34SRJ</a>	0.5	1.0	3.2	4 to 50	0.5A
			<a href="#">FH35C</a>	0.3	0.9	3.2	9 to 61	0.2A
			<a href="#">FH42</a>	0.3	0.65	3.08	7 to 51	0.2A
			<a href="#">FH53/FH53M</a>	0.2/0.25/0.3	0.65	3.2	7 to 41	0.2A
			<a href="#">FH58/FH58M</a>	0.2/0.25	0.9	3.1	7 to 81	0.2A
			<a href="#">FH64MA</a>	0.25	0.5	3.15	7 to 21	0.2A

#### ▼ Battery Connection



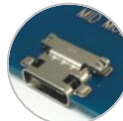


● Board to Board Connector			Pitch (mm)	Stacking Height (mm)	Depth (mm)	Pin Count	Max. Rated Current (A)	
			<a href="#">BM22</a>	0.4	0.9	2.64	2+2/4+2	5A(Power),0.25A(Signal)
			<a href="#">BM25</a>	0.4	0.7	2.6	4+2	10A(Power),0.3A(Signal)
			<a href="#">KN14</a>	-	0.7	2.2	2+2	6A(Power),0.6A(Signal)
● Wire to Board Connector			Pitch (mm)	Stacking Height (mm)	Depth (mm)	Pin Count	Max. Rated Current (A)	
			<a href="#">DF52</a>	1.2	1.4	4.35	2 to 6	2.5A
			<a href="#">DF57H</a> *1	0.8	1.75	4.1	2 to 20	2.5A
			<a href="#">DF58</a> *1	1.2	1.0	4.97	2 to 6	3.0A
			<a href="#">DF65</a> *1	1.7	1.8	6.3	3 to 7	4.0A

\*1 Vertical mating type

## ▼ Antenna Connection

● Micro Coaxial Connector		Frequency (GHz)	Occupied Mounting Area (mm)	Max. Stacking Height (mm)
 <b>U.FL</b>  <b>W.FL</b>  <b>W.FL2</b>  <b>X.FL</b>	<a href="#">U.FL</a>	0 to 6	3.0 x 3.1	1.9
	<a href="#">W.FL</a>	0 to 6	2.0 x 2.0	1.4/1.65
	<a href="#">W.FL2</a>	0 to 6	2.0 x 2.0	1.18
	<a href="#">X.FL</a>	0 to 12	2.0 x 2.0	0.94
● Micro Coaxial Switch		Frequency (GHz)	Occupied Mounting Area (mm)	Max. Stacking Height (mm)
 <b>MS-156C3</b>  <b>MS-180</b>  <b>MS-190</b>	<a href="#">MS-156C3</a>	0 to 11	2.3 x 2.3	1.35
	<a href="#">MS-180</a>	0 to 11	1.8 x 1.8	0.85
	<a href="#">MS-190</a>	0 to 11	1.45 x 1.45	0.68

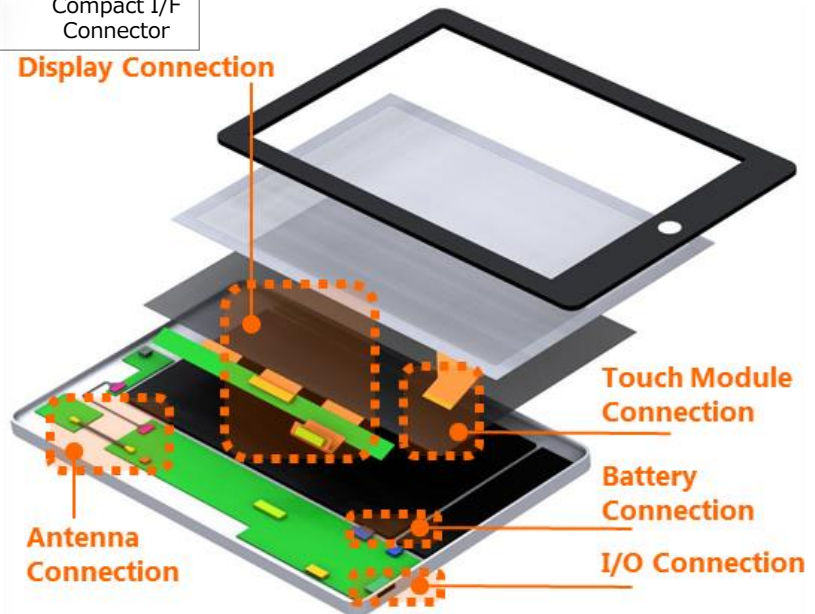
## ▼ I/O Connection

● I/O Connector				
 <b>ZX</b> Micro USB2.0	 <b>ZX360</b> Micro USB3.0	 <b>CX70M</b> USB Type-C connector Mid-mount	 <b>CX90B1</b> USB Type-C connector On-board	 <b>GX</b> Hirose original Compact I/F Connector

※Please contact Hirose representative for the latest information. (As of Nov, 2017)



### Display Connection



#### World Wide Sales Locations

[Japan]		TEL: +81-45-620-3491	[The Netherlands]	(Amsterdam)	TEL: +31-20-6557460
[China]	(Shanghai)	TEL: +86-21-6391-3355	[Germany]	(Stuttgart)	TEL: +49-711-456002-221
	(Beijing)	TEL: +86-10-5165-9332		(Nuremberg)	TEL: +49-911-326889-63
	(Shenzhen)	TEL: +86-755-8207-0851		(Hanover)	TEL: +49-511-978261-30
[Hong Kong]	(Kowloon)	TEL: +852-2803-5338	[France]	(Paris)	TEL: +33-1-85764886
[Taiwan]	(Taipei)	TEL: +886-2-2555-7377	[UK]	(Milton Keynes)	TEL: +44-1908-202050
[Korea]	(Siheung)	TEL: +82-31-496-7000			
[Singapore]	(Anson Road)	TEL: +65-6324-6113			
[India]	(Delhi)	TEL: +91-12-660-8018			
	(Bangalore)	TEL: +91-80-4120-1907			
[Malaysia]	(Penang)	TEL: +604-619-2564			
[Thailand]	(Bangkok)	TEL: +66-2-686-1255			
[USA]	(Chicago)	TEL: +1-630-282-6700			
	(USA HQ)				
	(San Jose)	TEL: +1-408-253-9640			
	(Detroit)	TEL: +1-734-542-9963			
	(Automotive)				

<https://www.hirose.com/>



Specifications herein are subject to change without notice. Please contact Hirose for the latest specifications, drawings, and availabilities.