

# HIROSE High Speed Connectors



This product is RoHS compliant.



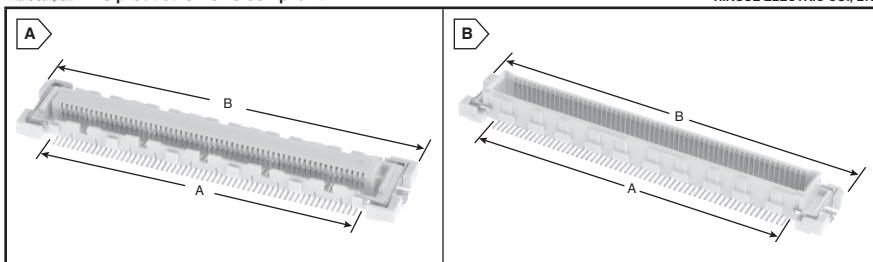
## FX10 SERIES - 0.5MM PITCH STACKING CONNECTORS

### Features:

- Board to Board connector with or without grounding plates
- Excellent Grounding Performance
- Low crosstalk
- 0.5mm signal contact pitch for downsizing
- Wide varieties

### Specifications:

- Operating Temperature: -55°C to +85°C
- Current Capacity: 0.3A
- Rated Voltage: 50V AC
- Withstanding Voltage: 150V AC, 1 minute
- Contact Resistance\*: 1 60mΩ max. (100mA DC)
- Insulation Resistance: 100MΩ min. (100V DC)
- Durability: 50 cycles
- Contact resistance includes conductor resistance



### Receptacles

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Hirose Part No.	Fig.	No. of Contacts		Dimensions: mm		Price Each			
			Signal	Ground	A	B	1	25	100	200
<b>Without Ground Plate, With Guideposts</b>										
798-FX10A120SSV	FX10A-120S-SV	A	120	-	29.5	37.1	5.77	3.98	3.58	2.88
798-FX10A144SSV	FX10A-144S-SV	A	144	-	35.5	43.1	6.49	4.48	4.02	3.24
798-FX10A168SSV	FX10A-168S-SV	A	168	-	41.5	49.1	7.22	4.98	4.48	3.60
<b>Without Ground Plate, Without Guideposts</b>										
798-FX10B96SSV	FX10B-96S-SV	A	96	-	23.5	31.1	5.07	3.50	3.15	2.53
798-FX10B120SSV	FX10B-120S-SV	A	120	-	29.5	37.1	5.77	3.98	3.58	2.88
798-FX10B144SSV	FX10B-144S-SV	A	144	-	35.5	43.1	6.49	4.48	4.02	3.24
798-FX10B168SSV	FX10B-168S-SV	A	168	-	41.5	49.1	7.22	4.98	4.57	4.21
<b>With Ground Plate, Without Guideposts</b>										
798-FX10B100SV71	FX10B-100S/10-SV(71)	A	100	10	29.5	37.1	6.70	5.19	4.15	3.35

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MOUSER STOCK NO.	Hirose Part No.	Fig.	No. of Contacts		Dimensions: mm		Price Each			
			Signal	Ground	A	B	1	25	100	200
<b>4mm Stacking Height - Without Ground Plate, With Guideposts</b>										
798-FX10A96PSV71	FX10A-96P-SV(71)	B	96	-	23.5	31.1	5.01	3.46	3.10	2.50
798-FX10A120PSV71	FX10A-120P-SV(71)	B	120	-	29.5	37.1	5.96	3.82	3.69	2.97
798-FX10A144PSV71	FX10A-144P-SV(71)	B	144	-	35.5	43.1	6.06	4.18	3.75	3.02
798-FX10A168PSV71	FX10A-168P-SV(71)	B	168	-	41.5	49.1	5.85	4.49	4.26	4.05
<b>4mm Stacking Height - Without Ground Plate, Without Guideposts</b>										
798-FX10B120PSV71	FX10B-120P-SV(71)	B	120	-	29.5	37.1	5.95	3.82	3.69	2.97
798-FX10B144PSV71	FX10B-144P-SV(71)	B	144	-	35.5	43.1	6.06	4.18	3.75	3.02
798-FX10B168PSV71	FX10B-168P-SV(71)	B	168	-	41.5	49.1	7.13	4.56	4.41	3.57
<b>4mm Stacking Height - With Ground Plate, Without Guideposts</b>										
798-FX10B80P8SV71	FX10B-80P/8-SV(71)	B	80	8	23.5	31.1	5.94	4.61	3.68	2.97
798-FX10B100P10SV71	FX10B-100P/10-SV(71)	B	100	10	29.5	37.1	6.61	5.13	4.10	3.31
798-FX10B120P12SV71	FX10B-120P/12-SV(71)	B	120	12	35.5	43.1	7.21	5.59	4.47	3.60
<b>5mm Stacking Height - Without Ground Plate, With Guideposts</b>										
798-FX10A120PSV171	FX10A-120P-SV1(71)	B	120	-	29.5	37.1	5.95	3.82	3.69	2.97
798-FX10A144PSV171	FX10A-144P-SV1(71)	B	144	-	35.5	43.1	6.06	4.18	3.75	3.02
798-FX10A168PSV171	FX10A-168P-SV1(71)	B	168	-	41.5	49.1	6.61	4.56	4.10	3.31
<b>5mm Stacking Height - Without Ground Plate, Without Guideposts</b>										
798-FX10B96PSV171	FX10B-96P-SV1(71)	B	96	-	23.5	31.1	5.01	3.46	3.11	2.51
798-FX10B120PSV171	FX10B-120P-SV1(71)	B	120	-	29.5	37.1	5.95	3.82	3.69	2.97
<b>5mm Stacking Height - With Ground Plate, Without Guideposts</b>										
798-FX10B80P8SV171	FX10B-80P/8-SV1(71)	B	80	8	23.5	31.1	5.94	4.61	3.68	2.97
798-FX10B140P14SV171	FX10B-140P/14-SV1(71)	B	140	14	41.5	49.1	7.05	5.69	4.46	3.72

## FX10 SERIES - 10+GBPS 0.5MM PITCH STACKING CONNECTORS

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			Signal	Ground	A	B	1	25	100	200
<b>Without Ground Plate, With Guideposts</b>										
798-FX10A-168S-SV85	FX10A-168S-SV(85)	A	168	-	41.5	49.1	16.85	15.06	13.87	12.88
<b>Without Ground Plate, Without Guideposts</b>										
798-FX10B-168S-SV85	FX10B-168S-SV(85)	A	168	-	41.5	49.1	16.85	15.06	13.87	12.88

### Headers



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MOUSER STOCK NO.	Hirose Part No.	Fig.	No. of Contacts		Dimensions: mm		Stack Height (mm)	Price Each			
			Signal	Ground	A	B		1	25	100	200
<b>Without Ground Plate, With Guideposts</b>											
798-FX10A-168P-SV85	FX10A-168P-SV(85)	B	168	-	41.5	49.1	3.5	16.54	14.87	13.62	12.64
798-FX10A-168P-SV185	FX10A-168P-SV1(85)	B	168	-	41.5	49.1	4.5	16.95	15.09	13.95	12.96
798-FX10A-168P-SV285	FX10A-168P-SV2(85)	B	168	-	41.5	49.1	5.25	20.91	19.24	18.12	17.77
798-FX10A-168P-SV385	FX10A-168P-SV3(85)	B	168	-	41.5	49.1	6.25	21.05	19.65	18.23	17.88
798-FX10A-168P-SV485	FX10A-168P-SV4(85)	B	168	-	41.5	49.1	7.25	21.20	19.99	18.36	18.01
<b>Without Ground Plate, Without Guideposts</b>											
798-FX10B-168P-SV85	FX10B-168P-SV(85)	B	168	-	41.5	49.1	3.5	16.54	14.87	13.62	12.64
798-FX10B-168P-SV185	FX10B-168P-SV1(85)	B	168	-	41.5	49.1	4.5	16.95	15.09	13.95	12.96
798-FX10B-168P-SV285	FX10B-168P-SV2(85)	B	168	-	41.5	49.1	5.25	20.91	19.24	18.12	17.77
798-FX10B-168P-SV385	FX10B-168P-SV3(85)	B	168	-	41.5	49.1	6.25	21.05	19.65	18.23	17.88
798-FX10B-168P-SV485	FX10B-168P-SV4(85)	B	168	-	41.5	49.1	7.25	21.20	19.99	18.36	18.01