



0.4mm Board-to-Board Connector

SPECIFICATIONS: • Rated Current: 0.3A • Rated Voltage: 50V AC/DC • Withstand Voltage: 250VAC for 1 minute • Insertion Tolerance: 50 times
FEATURES: • Ultra-low profile connector with a stacking height of 0.9mm which provides a firm tactile "click" and a high removal force • Twist-resistant design allows removal in all directions • Easy insertion through self-alignment • Double contacts ensure highly reliable contact

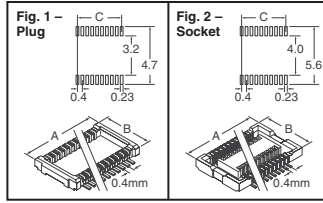
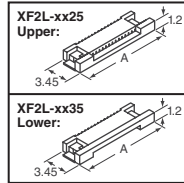


Fig.	No. of Pos.	Dimensions (mm)			Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape & Reel Pricing 3,000	Omron Part No.
		A	B	C		1	25	50			
1	24	6.1	3.4	4.4	OR790CT-ND	.66	.60	.53	OR790TR-ND	330.20/M	XB4A-2435-D
	40	9.3	3.4	7.6	OR768CT-ND	.83	.75	.67	OR768TR-ND	415.63/M	XB4A-4035-D
	80	7.3	3.4	15.6	OR769CT-ND	1.41	1.27	1.13	OR769TR-ND	704.44/M	XB4A-8035-D
2	24	7.2	4.4	4.4	OR791CT-ND	.66	.60	.53	OR791TR-ND	330.20/M	XB4B-2435-D
	40	10.4	4.4	7.6	OR770CT-ND	.84	.76	.68	OR770TR-ND	420.39/M	XB4B-4035-D
	80	18.4	4.4	15.6	OR771CT-ND	1.44	1.30	1.16	OR771TR-ND	720.15/M	XB4B-8035-D

0.5mm-Pitch Slide-Lock FPC Connector — XF2L Series

SPECIFICATIONS: • Rated Current: 0.5A • Rated Voltage: 50VDC • Withstand Voltage: 250VAC for 1 minute • Insertion Tolerance: 30 times
FEATURES: • Low profile, measures 1.2mm maximum above the board • Top and bottom contact styles have identical dimensions, utilize the same PCB layout for board design • Hold-down terminal improves connection stability during soldering • Slide mechanism locks securely • Connectors supplied on tape reels for automatic insertion; color coded slide identifies top and bottom contact versions to avoid mix-ups during production



No. of Pos.	Dimension A (mm)	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape & Reel Pricing 3,000	Omron Part No.
			1	25	50			
7	8.4	OR678CT-ND	.93	.84	.75	—	XF2L-0725-1	
7	8.4	OR679CT-ND	.99	.90	.80	—	XF2L-0735-1	
13	11.4	OR685CT-ND	1.16	1.04	.93	—	XF2L-1135-1	
21	15.4	OR689CT-ND	1.46	1.32	1.17	—	XF2L-2125-1	

RoHS Compliant

4	6.9	OR746CT-ND	.86	.78	.69	OR746TR-ND	429.51/M	XF2L-0425-1A
5	7.4	OR747CT-ND	.91	.82	.73	OR747TR-ND	451.81/M	XF2L-0535-1A
6	7.9	OR748CT-ND	.94	.85	.76	OR748TR-ND	471.73/M	XF2L-0625-1A
6	7.9	OR749CT-ND	.88	.79	.71	OR749TR-ND	438.49/M	XF2L-0635-1A
8	8.4	OR750CT-ND	1.00	.89	.80	OR750TR-ND	513.81/M	XF2L-0725-1A
8	8.9	OR751CT-ND	1.03	.93	.83	OR751TR-ND	516.34/M	XF2L-0825-1A
10	9.9	OR752CT-ND	1.12	1.02	.90	OR752TR-ND	561.51/M	XF2L-1025-1A
12	10.9	OR753CT-ND	1.21	1.10	.98	OR753TR-ND	606.81/M	XF2L-1225-1A
13	11.4	OR756CT-ND	1.27	1.14	1.02	OR756TR-ND	633.32/M	XF2L-1325-1A
13	11.4	OR757CT-ND	1.27	1.14	1.02	OR757TR-ND	633.32/M	XF2L-1335-1A
15	12.4	OR758CT-ND	1.32	1.20	1.07	OR758TR-ND	663.48/M	XF2L-1535-1A
18	13.9	OR759CT-ND	1.36	1.23	1.09	OR759TR-ND	680.31/M	XF2L-1825-1A
18	13.9	OR754CT-ND	1.36	1.23	1.09	OR754TR-ND	680.31/M	XF2L-1835-1A
19	14.4	OR760CT-ND	1.40	1.27	1.13	OR760TR-ND	701.50/M	XF2L-1935-1A
20	14.9	OR761CT-ND	1.44	1.30	1.16	OR761TR-ND	719.59/M	XF2L-2035-1A
21	15.4	OR762CT-ND	1.48	1.34	1.19	OR762TR-ND	740.63/M	XF2L-2125-1A
22	15.9	OR763CT-ND	1.53	1.38	1.22	OR763TR-ND	761.81/M	XF2L-2235-1A
24	16.9	OR764CT-ND	1.60	1.45	1.29	OR764TR-ND	804.03/M	XF2L-2435-1A
26	17.9	OR765CT-ND	1.68	1.52	1.35	OR765TR-ND	843.17/M	XF2L-2625-1A
30	19.9	OR766CT-ND	1.85	1.67	1.48	OR766TR-ND	924.66/M	XF2L-3025-1A
30	19.9	OR767CT-ND	1.85	1.67	1.48	OR767TR-ND	924.66/M	XF2L-3035-1A

0.5mm-Pitch Rotary-Lock FPC Connector — XF2H Series

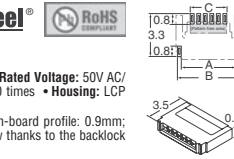
SPECIFICATIONS: • Rated Current: 0.5A • Rated Voltage: 50VDC • Withstand Voltage: 250VAC for 1 minute • Insertion Tolerance: 20 times
FEATURES: • Rotary-lock at rear instead of front simplifies assembly, provides secure connection even if cable flexes upward • FPC housing design ensures reliable alignment of circuits during assembly, unaffected by rotary-lock • Doubled-sided contacts can be used wherever top or bottom connection is needed, reducing part numbers on bill of materials • Low profile, measures only 2mm maximum above the circuit board
Note: "Not for New Design" - Currently this Series is being replaced by XF2M Series

No. of Pos.	Dimension A (mm)	Digi-Key Part No.	Cut Tape Price Each			Omron Part No.
			1	25	50	
22	15.1	OC646CT-ND	1.00	.90	.80	XF2H-2215-1LW

0.5mm-Pitch FPC Connector — XF2U Series

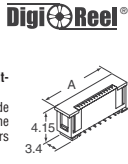
SPECIFICATIONS: • Contact Type: Vertical • Rated Current: 0.5A AC/DC • Rated Voltage: 50V AC/DC • Withstand Voltage: 250V AC for 1 minute • Insertion Tolerance: 20 times • Housing: LCP resin (UL94V-0) natural
FEATURES: • A miniature connector with a rotary backlock mechanism: On-board profile: 0.9mm; Depth Dimension: 3.5mm • Connections can be made from above or below thanks to the backlock mechanism • Gold plated with an applicable FPC thickness of 0.2mm

No. of Pos.	Dimensions (mm)			Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape & Reel Pricing 3,000	Omron Part No.
	A	B	C		1	25	50			
14	8.1	8.9	6.8	OR862CT-ND	1.28	1.15	1.02	OR862TR-ND	637.53/M	XF2U-1415-3A
20	11.1	11.9	9.8	OR863CT-ND	1.54	1.39	1.23	OR863TR-ND	767.56/M	XF2U-2015-3A
24	13.1	13.9	11.8	OR864CT-ND	1.64	1.48	1.32	OR864TR-ND	821.42/M	XF2U-2415-3A
30	16.1	16.9	14.8	OR865CT-ND	1.82	1.64	1.46	OR865TR-ND	910.64/M	XF2U-3015-3A
40	21.1	21.9	19.8	OR866CT-ND	2.28	2.05	1.82	OR866TR-ND	1137.45/M	XF2U-4015-3A



0.5mm-Pitch Vertical Slide-Lock FPC Connector — XF2J Series

SPECIFICATIONS: • Rated Current: 0.5A AC/DC • Rated Voltage: 50V AC/DC • Withstand Voltage: 250VAC for 1 minute • Insertion Tolerance: 30 times
FEATURES: • Enlarged surface area on slide bar makes automatic assembly easier • Vertical slide mechanism locks flex circuit securely in place • Low-profile, measures only 4.15mm above the circuit board • Hold-down terminal improves connection stability during soldering • Connectors supplied on tape reels for automatic insertion



No. of Pos.	Dim. A (mm)	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape & Reel Pricing 1,000	Omron Part No.
			1	25	50			
Standard Terminals								
6	7.5	OR733CT-ND	1.03	.93	.83	OR733TR-ND	515.07	XF2J-0624-11A
8	8.5	OR734CT-ND	1.22	1.11	.98	OR734TR-ND	611.58	XF2J-0824-11A
10	9.5	OR735CT-ND	1.39	1.26	1.12	OR735TR-ND	696.02	XF2J-1024-11A
12	10.5	OR736CT-ND	1.56	1.40	1.25	OR736TR-ND	777.52	XF2J-1224-11A
14	11.5	OR737CT-ND	1.73	1.56	1.38	OR737TR-ND	861.26	XF2J-1424-11A
18	13.5	OR739CT-ND	2.05	1.85	1.65	OR739TR-ND	1027.20	XF2J-1824-11A
20	14.5	OR740CT-ND	2.24	2.06	1.87	OR740TR-ND	1418.00	XF2J-2024-11A
22	15.5	OR741CT-ND	2.39	2.16	2.22	OR741TR-ND	1195.53	XF2J-2224-11A
22	15.5	OR667CT-ND	1.18	1.07	.95	—	—	XF2J-2224-11A
24	16.5	OR742CT-ND	2.56	2.30	2.05	OR742TR-ND	1278.88	XF2J-2424-11A
26	17.5	OR743CT-ND	2.73	2.46	2.18	OR743TR-ND	1361.33	XF2J-2624-11A
28	18.5	OR744CT-ND	2.90	2.61	2.32	OR744TR-ND	1445.77	XF2J-2824-11A
30	19.5	OR745CT-ND	3.06	2.76	2.45	OR745TR-ND	1529.65	XF2J-3024-11A

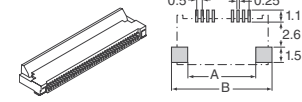
NEW! Reverse Terminals — RoHS Compliant NEW!

6	7.5	OR1003CT-ND	1.03	.93	.83	OR1003TR-ND	515.07	XF2J-062412A
8	8.5	OR1004CT-ND	1.22	1.11	.98	OR1004TR-ND	611.58	XF2J-082412A
10	9.5	OR1005CT-ND	1.39	1.26	1.12	OR1005TR-ND	696.02	XF2J-102412A
12	10.5	OR1006CT-ND	1.55	1.40	1.24	OR1006TR-ND	774.44	XF2J-122412A
16	12.5	OR1007CT-ND	1.90	1.71	1.52	OR1007TR-ND	945.70	XF2J-162412A
18	13.5	OR1008CT-ND	2.05	1.85	1.65	OR1008TR-ND	1027.20	XF2J-182412A
20	14.5	OR1009CT-ND	2.24	2.06	1.86	OR1009TR-ND	1470.87	XF2J-202412A
22	15.5	OR1010CT-ND	2.39	2.16	1.92	OR1010TR-ND	1195.53	XF2J-222412A
24	16.5	OR1011CT-ND	2.56	2.30	2.05	OR1011TR-ND	1276.88	XF2J-242412A
40	25.1	OR1013CT-ND	4.02	3.62	3.22	OR1013TR-ND	2007.26	XF2J-402412A

◆ RoHS Compliant

0.5mm-Pitch Rotary Backlock FPC Connector — XF2M Series

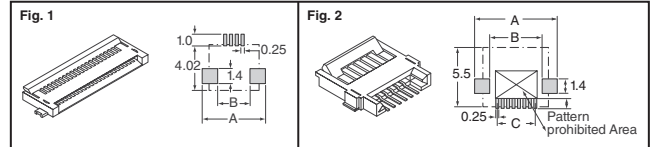
SPECIFICATIONS: • Rated Current: 0.5A AC/DC • Rated Voltage: 50V AC/DC • Operating Temperature: -30°C - 85°C
MATERIALS/FINISH: • Housing: LCP resin (UL94V-0) natural • Slider: LCP resin (UL94V-0) black • Contact: Spring copper alloy/nickel substrate (2µm), Au plating (0.15µm) • Hold-down: Spring copper alloy/fused-tin plating (1.5µm)



No. of Pos.	Dimensions (mm)			Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape & Reel Pricing 1,500	Omron Part No.
	A	B	C		1	25	50			
34	18.1	21.5	16.5	OR701CT-ND	1.58	1.43	1.27	OR701TR-ND	789.58/M	XF2M34151L
RoHS Compliant										
10	6.1	9.5	4.5	OR717CT-ND	1.10	.99	.88	OR717TR-ND	550.00/M	XF2M-1015-1A
12	7.1	10.5	5.5	OR861CT-ND	1.20	1.09	.97	OR861TR-ND	601.76/M	XF2M-1215-1A
18	10.1	13.5	8.5	OR718CT-ND	1.35	1.21	1.08	OR718TR-ND	670.78/M	XF2M-1815-1A
20	11.1	14.5	9.5	OR719CT-ND	1.40	1.27	1.13	OR719TR-ND	701.92/M	XF2M-2015-1A
22	12.1	15.5	10.5	OR720CT-ND	1.46	1.32	1.17	OR720TR-ND	730.53/M	XF2M-2215-1A
24	13.1	16.5	11.5	OR721CT-ND	1.53	1.38	1.22	OR721TR-ND	761.25/M	XF2M-2415-1A
26	14.1	17.5	12.5	OR722CT-ND	1.59	1.43	1.28	OR722TR-ND	794.49/M	XF2M-2615-1A
30	16.1	19.5	14.5	OR723CT-ND	1.71	1.54	1.37	OR723TR-ND	851.30/M	XF2M-3015-1A
32	17.1	20.5	15.5	OR724CT-ND	1.83	1.65	1.47	OR724TR-ND	915.27/M	XF2M-3215-1A
33	17.6	21.0	16.0	OR725CT-ND	1.87	1.69	1.50	OR725TR-ND	935.88/M	XF2M-3315-1A
34	18.1	21.5	16.5	OR726CT-ND	1.91	1.72	1.53	OR726TR-ND	953.98/M	XF2M-3415-1A
35	18.6	22.0	17.0	OR727CT-ND	2.10	1.90	1.69	OR727TR-ND	1051.61/M	XF2M-3515-1A
36	19.1	22.5	17.5	OR728CT-ND	1.99	1.80	1.60	OR728TR-ND	995.22/M	XF2M-3615-1A
40	21.1	24.5	19.5	OR729CT-ND	2.15	1.94	1.72	OR729TR-ND	1074.76/M	XF2M-4015-1A
42	22.1	25.5	20.5	OR730CT-ND	2.61	2.36	2.09	OR730TR-ND	1306.20/M	XF2M-4215-1A
45	23.6	27.0	22.0	OR731CT-ND	2.37	2.14	1.90	OR731TR-ND	1185.42/M	XF2M-4515-1A
50	26.1	29.5	24.5	OR732CT-ND	2.55	2.30	2.04	OR732TR-ND	1272.53/M	XF2M-5015-1A
60	31.1	34.5	29.5	OR777CT-ND	3.00	2.70	2.40	OR777TR-ND	1496.40/M	XF2M-6015-1AH

0.5mm-Pitch Rotary Backlock FPC Connector — XF2N and XF2R Series

SPECIFICATIONS: • Rated Current: 0.3A AC/DC • Rated Voltage: 50V AC/DC • Operating Temperature: -30°C - 85°C
MATERIALS/FINISH: • Housing: LCP resin (UL94V-0) natural • Slider: LCP resin (UL94V-0) black • Contact: Spring copper alloy/nickel substrate (1.5µm) gold-plated contacts (0.15µm) • Hold-down: Spring copper alloy/fused-tin plating (1.5µm)



No. of Pos.	Dimensions (mm)			Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape & Reel Pricing 3,000	Omron Part No.	
	A	B	C		1	25	50				
1	21	13.8	11.8	—	OR705CT-ND	2.01	1.81	1.61	OR705TR-ND	1003.36/M	XF2N21153
2	6	6.1	4.1	2.5	OR706CT-ND	1.58	1.43	1.27	—	—	XF2R06154A
	9	7.6									