



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

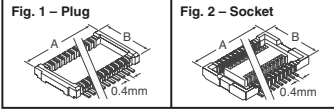
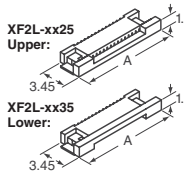


Fig.	No. of Pos.	Dimensions mm			Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape & Reel Pricing 3,000	Omron Part No.
		A	B	C		1	25	50			
1	40	7.6	9.3	—	OR768CT-ND	54	49	44	OR768TR-ND	268.90/M	XB4A-4035-D
	80	15.6	17.3	—	OR769CT-ND	91	83	73	OR769TR-ND	455.75/M	XB4A-8035-D
2	40	7.6	10.4	—	OR770CT-ND	54	49	44	OR770TR-ND	271.98/M	XB4B-4035-D
	80	15.6	18.4	—	OR771CT-ND	93	84	75	OR771TR-ND	465.91/M	XB4B-8035-D

0.5mm-Pitch Slide-Lock FPC Connector - XF2L

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 side identifies top and bottom contact versions to avoid mix-ups during production

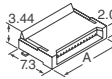


No. of Pos.	Dimension A mm	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape & Reel Pricing 3,000	Omron Part No.
			1	25	50			
7	8.4	OR678CT-ND	.60	.54	.48	—	—	XF2L-0725-1
7	8.4	OR679CT-ND	.64	.58	.52	—	—	XF2L-0735-1
13	11.4	OR684CT-ND	.75	.67	.60	OR684TR-ND	372.08/M	XF2L-1325-1
13	11.4	OR685CT-ND	.75	.67	.60	—	—	XF2L-1335-1
15	12.4	OR686CT-ND	.76	.69	.61	OR686TR-ND	381.15/M	XF2L-1535-1
21	15.4	OR689CT-ND	.94	.85	.76	—	—	XF2L-2125-1
26	17.9	OR691CT-ND	1.05	.95	.85	OR691TR-ND	526.35/M	XF2L-2625-1

XF2L — RoHS Compliant										
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					
4	6.9	OR746CT-ND	.42	.38	.34	OR746TR-ND	210.00/M	XF2L-0425-1A		
5	7.4	OR747CT-ND	.44	.40	.36	OR747TR-ND	220.89/M	XF2L-0535-1A		
6	7.9	OR748CT-ND	.46	.42	.37	OR748TR-ND	230.69/M	XF2L-0625-1A		
6	7.9	OR749CT-ND	.43	.39	.35	OR749TR-ND	214.45/M	XF2L-0635-1A		
7	8.4	OR750CT-ND	.48	.43	.38	OR750TR-ND	241.58/M	XF2L-0725-1A		
8	8.9	OR751CT-ND	.51	.46	.41	OR751TR-ND	252.47/M	XF2L-0825-1A		
10	9.9	OR752CT-ND	.55	.50	.44	OR752TR-ND	274.61/M	XF2L-1025-1A		
12	10.9	OR753CT-ND	.60	.54	.48	OR753TR-ND	296.76/M	XF2L-1225-1A		
13	11.4	OR756CT-ND	.57	.51	.46	OR756TR-ND	281.42/M	XF2L-1325-1A		
13	11.4	OR757CT-ND	.57	.51	.46	OR757TR-ND	281.42/M	XF2L-1335-1A		
15	12.4	OR758CT-ND	.60	.55	.49	OR758TR-ND	302.02/M	XF2L-1535-1A		
18	13.9	OR759CT-ND	.67	.60	.54	OR759TR-ND	332.69/M	XF2L-1825-1A		
18	13.9	OR754CT-ND	.73	.66	.59	OR754TR-ND	363.10/M	XF2L-1835-1A		
19	14.4	OR760CT-ND	.69	.62	.55	OR760TR-ND	343.04/M	XF2L-1935-1A		
20	14.9	OR761CT-ND	.70	.64	.57	OR761TR-ND	351.84/M	XF2L-2035-1A		
21	15.4	OR762CT-ND	.73	.66	.58	OR762TR-ND	362.19/M	XF2L-2125-1A		
22	15.9	OR763CT-ND	.75	.68	.60	OR763TR-ND	372.53/M	XF2L-2235-1A		
24	16.9	OR764CT-ND	.78	.71	.63	OR764TR-ND	393.13/M	XF2L-2435-1A		
26	17.9	OR765CT-ND	.83	.75	.66	OR765TR-ND	412.37/M	XF2L-2625-1A		
30	19.9	OR766CT-ND	.91	.82	.73	OR766TR-ND	452.12/M	XF2L-3025-1A		
30	19.9	OR767CT-ND	.91	.82	.73	OR767TR-ND	452.12/M	XF2L-3035-1A		

0.5mm-Pitch Rotary-Lock FPC Connector - XF2H

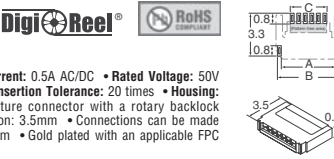
SPECIFICATIONS: • Rated Current: 0.5A • Rated Voltage: 50VDC • Withstand Voltage: 250VAC for 1 minute • Insertion Tolerance: 20 times **FEATURES:** • Rotary-lock at rear instead of front simplifies assembly, provides secure connection even if cable flexes upward • FPC housing design ensures reliable alignment of circuits during assembly, unaffected by rotary-lock • Double-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			Digi-Key Part No.	Tape & Reel Pricing 1,500	Omron Part No.
			1	25	50			
14	11.1	OC642CT-ND	.75	.67	.60	—	—	XF2H-1415-1LW
22	15.1	OC646CT-ND	.85	.76	.68	—	—	XF2H-2215-1LW
26	17.1	OC648CT-ND	.97	.87	.77	—	—	XF2H-2615-1LW
38	23.1	OC655CT-ND	1.20	1.08	.96	OC655TR-ND	598.96/M	XF2H-3815-1LW

0.5mm-Pitch FPC Connector - XF2U

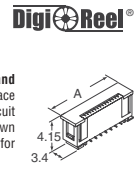
SPECIFICATIONS: • Contact Type: Vertical • Rated Current: 0.5A AC/DC • Rated Voltage: 50V AC/DC • Withstand Voltage: 250V AC for 1 minute • Insertion Tolerance: 20 times • Housing: LCP resin (UL94V-0)/natural **FEATURES:** • A miniature connector with a rotary backlock mechanism: On-board profile: 0.9mm; 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	.89	.81	.72	OR862TR-ND	446.86/M	XF2U-1415-3A
20	11.1	11.9	9.8	OR863CT-ND	1.07	.97	.87	OR863TR-ND	537.97/M	XF2U-2015-3A
24	13.1	13.9	11.8	OR864CT-ND	1.15	1.04	.93	OR864TR-ND	575.72/M	XF2U-2415-3A
30	16.1	16.9	14.8	OR865CT-ND	1.28	1.15	1.03	OR865TR-ND	638.25/M	XF2U-3015-3A
40	21.1	21.9	19.8	OR866CT-ND	1.60	1.44	1.28	OR866TR-ND	797.24/M	XF2U-4015-3A

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

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



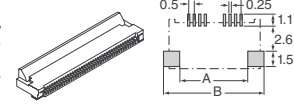
No. of Pos.	Dimension A mm	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape & Reel Pricing 1,000	Omron Part No.
			1	25	50			
22	15.5	OR667CT-ND	.76	.69	.61	—	—	XF2J-2224-11
28	18.5	OR670CT-ND	.91	.82	.73	OR670TR-ND	453.75	XF2J-2824-11

XF2J — RoHS Compliant

No. of Pos.	Dimension 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			
6	7.5	OR733CT-ND	.50	.46	.41	OR733TR-ND	259.12	XF2J-0624-11A
8	8.5	OR734CT-ND	.60	.54	.48	OR734TR-ND	291.91	XF2J-0824-11A
10	9.5	OR735CT-ND	.68	.62	.55	OR735TR-ND	340.41	XF2J-1024-11A
12	10.5	OR736CT-ND	.76	.69	.61	OR736TR-ND	380.16	XF2J-1224-11A
14	11.5	OR737CT-ND	.84	.76	.68	OR737TR-ND	421.17	XF2J-1424-11A
16	12.5	OR738CT-ND	.75	.67	.60	OR738TR-ND	462.46	XF2J-1624-11A
18	13.5	OR739CT-ND	1.00	.91	.81	OR739TR-ND	502.30	XF2J-1824-11A
20	14.5	OR740CT-ND	1.39	1.25	1.11	OR740TR-ND	693.42	XF2J-2024-11A
22	15.5	OR741CT-ND	1.17	1.06	.94	OR741TR-ND	584.61	XF2J-2224-11A
24	16.5	OR742CT-ND	1.25	1.13	1.00	OR742TR-ND	624.36	XF2J-2424-11A
26	17.5	OR743CT-ND	1.33	1.20	1.07	OR743TR-ND	665.65	XF2J-2624-11A
28	18.5	OR744CT-ND	1.42	1.28	1.14	OR744TR-ND	706.94	XF2J-2824-11A
30	19.5	OR745CT-ND	1.50	1.35	1.20	OR745TR-ND	747.96	XF2J-3024-11A

0.5mm-Pitch Rotary Backlock FPC Connector - XF2M

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 (2µm) • 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	1.02	.92	.82	OR701TR-ND	510.84/M	XF2M34151L
45	23.6	27.0	22.0	OR703CT-ND	1.26	1.14	1.01	OR703TR-ND	628.26/M	XF2M45151L

XF2M — RoHS Compliant

No. of Pos.	Dimension A mm	Dimension B mm	Dimension C mm	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape & Reel Pricing 1,500	Omron Part No.
					1	25	50			
10	6.1	9.5	4.5	OR717CT-ND	.77	.70	.62	OR717TR-ND	385.51/M	XF2M-1015-1A
12	7.1	10.5	5.5	OR861CT-ND	.84	.76	.68	OR861TR-ND	421.81/M	XF2M-1215-1A
18	10.1	13.5	8.5	OR718CT-ND	.94	.85	.76	OR718TR-ND	470.18/M	XF2M-1815-1A
20	11.1	14.5	9.5	OR719CT-ND	.99	.89	.79	OR719TR-ND	491.96/M	XF2M-2015-1A
22	12.1	15.5	10.5	OR720CT-ND	1.02	.93	.82	OR720TR-ND	512.02/M	XF2M-2215-1A
24	13.1	16.5	11.5	OR721CT-ND	1.07	.97	.86	OR721TR-ND	533.52/M	XF2M-2415-1A
26	14.1	17.5	12.5	OR722CT-ND	1.11	1.01	.90	OR722TR-ND	556.84/M	XF2M-2615-1A
30	16.1	19.5	14.5	OR723CT-ND	1.19	1.08	.96	OR723TR-ND	596.68/M	XF2M-3015-1A
32	17.1	20.5	15.5	OR724CT-ND	1.29	1.16	1.03	OR724TR-ND	641.52/M	XF2M-3215-1A
33	17.6	21.0	16.0	OR725CT-ND	1.31	1.19	1.05	OR725TR-ND	655.94/M	XF2M-3315-1A
34	18.1	21.5	16.5	OR726CT-ND	1.34	1.21	1.07	OR726TR-ND	668.65/M	XF2M-3415-1A
35	18.6	22.0	17.0	OR727CT-ND	1.47	1.33	1.18	OR727TR-ND	737.08/M	XF2M-3515-1A
36	19.1	22.5	17.5	OR728CT-ND	1.39	1.26	1.12	OR728TR-ND	697.51/M	XF2M-3615-1A
40	21.1	24.5	19.5	OR729CT-ND	1.51	1.36	1.21	OR729TR-ND	753.32/M	XF2M-4015-1A
42	22.1	25.5	20.5	OR730CT-ND	1.63	1.47	1.31	OR730TR-ND	812.58/M	XF2M-4215-1A
45	23.6	27.0	22.0	OR731CT-ND	1.66	1.50	1.33	OR731TR-ND	830.82/M	XF2M-4515-1A
50	26.1	29.5	24.5	OR732CT-ND	1.79	1.61	1.43	OR732TR-ND	891.90/M	XF2M-5015-1A

0.5mm-Pitch Rotary Backlock FPC Connector - XF2N, XF2R

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)

