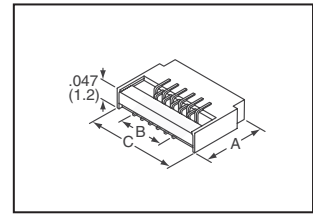




0.30 mm (0.012") FFC-FPC Connectors SFYL and SFYL-U Series



The SFYL and SFYL-U Series are a 0.30 mm (0.012 in) pitch cable to board connector with an ultra low profile. The series adopts the Surface Mount Technology (SMT) and Zero Insertion Force (ZIF) or Low Insertion Force (LIF) mechanism which enable easier cable insertion. These are suitable for high density design of consumer equipment, especially CD-ROM Drive, Digital Still Camera (DSC), Digital Video Camera (DVC) and Mobile Phone.

• Design against solder and flux wicking

Materials:

• **Housing/Actuator:** Glass reinforced high temperature thermoplastic (UL94V-0)
• **Color:** Housing: White; Actuator: Black • **Contact:** Copper Alloy

Mechanical and Electrical Performance:

• **Durability (Actuator Operation):** 10 cycle maximum • **Temperature Range:** -25°C - 85°C • **Insulation Resistance:** 50MΩ minimum • **Withstanding Voltage:** AC 200V • **Current Rating:** AC/DC 0.2A

A

No. of Positions	Dimensions - Inch (mm)			Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel Pricing 4,500	FCI Part No.
	A	B	C		1	25	100			
SFYL Series — Lower Contact Location										
21	0.118 (3.00)	0.213 (5.40)	0.339 (8.60)	609-1217-1-ND	1.05	.57	.49	609-1217-2-ND	406.56/M	10013057-211200ELF
SFYL-U Series — Upper Contact Location										
39	0.146 (3.70)	0.425 (10.80)	0.551 (14.00)	609-1230-1-ND	1.42	.77	.68	609-1230-2-ND	474.17/M	10017251-392240ELF

0.50 mm (0.020") FFC-FPC Connectors SMT/ZIF Type



The Gas-Tight, High Pressure (GTH) contact system ensures a low cost connection with reliability equal to gold plating. The Zero Insertion Force (ZIF) connection allows an increased number of mating cycles with minimal wear. The ZIF pre-holding process provides a stable and reliable mating operation. The slider ensures maximum cable retention with a minimum size. Fork shaped contacts mean stable and low contact resistance. The cable lock option provides cable strain relief as well as full retention of the cable.

62674 Series:

• **Housing:** Resin, Glass Reinforced, UL94V-0, Black • **Slider:** Resin, Glass Reinforced, UL94V-0, Brown • **Contact:** Phosphor Bronze, Tin Alloy Plated

62684 Series:

• **Housing:** Glass Filled Thermoplastic, UL94V-0, Beige • **Slider:** Glass Filled Thermoplastic, UL94V-0, Black • **Contact:** Phosphor Bronze, Tin Alloy Plated

SFV Series:

• **Housing:** Polyamide Resin, Glass Reinforced, UL94V-0, Black • **Slider:** PPS Resin, Glass Reinforced, UL94V-0, Brown (with cable-lock: Black) • **Contact:** Phosphor Bronze, Tin Alloy Plated

Specifications: • **Contact Resistance:** 30mΩ maximum • **Insulation Resistance:** 100MΩ minimum • **Durability (Mating Cycles):** 20 Cycles • **Temperature Range:** -55°C - 85°C • **Current Rating:** 0.5 A AC/DC • **Voltage Rating:** 50 V AC/DC

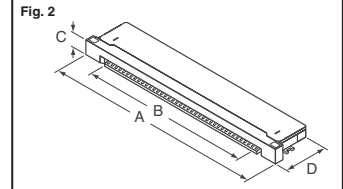
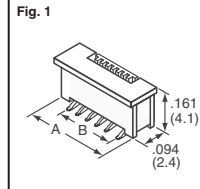


Fig.	No. of Positions	Contact Location	Dimension - Inch (mm)				Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel		FCI Part No.
			A	B	C	D		1	25	100		Qty.	Pricing	
62674 Series — Top Entry Without Cable Lock (Gold Plated)														
1	8	—	0.335 (8.50)	0.138 (3.50)	—	—	609-1204-1-ND	.52	.27	.21	609-1204-2-ND	1,000	160.18	62674-081121ALF
	12	—	0.413 (10.50)	0.217 (5.50)	—	—	609-1205-1-ND	.54	.27	.23	609-1205-2-ND	1,000	169.62	62674-121121ALF
	20	—	0.571 (14.50)	0.374 (9.50)	—	—	609-1207-1-ND	.60	.30	.25	609-1207-2-ND	1,000	190.58	62674-201121ALF
	21	—	0.591 (15.00)	0.394 (10.00)	—	—	609-1208-1-ND	.57	.28	.24	609-1208-2-ND	1,000	180.12	62674-211121ALF
	24	—	0.650 (16.50)	0.453 (11.50)	—	—	609-1210-1-ND	.61	.32	.27	609-1210-2-ND	1,000	217.80	62674-241121ALF
	26	—	0.689 (17.50)	0.492 (12.50)	—	—	609-1212-1-ND	.67	.35	.29	609-1212-2-ND	1,000	228.69	62674-261121ALF
	30	—	0.768 (19.50)	0.571 (14.50)	—	—	609-1213-1-ND	.68	.35	.30	609-1213-2-ND	1,000	239.13	62674-301121ALF
	32	—	0.807 (20.50)	0.610 (15.50)	—	—	609-1214-1-ND	.70	.37	.32	609-1214-2-ND	1,000	253.19	62674-321121ALF
33	—	0.827 (21.00)	0.630 (16.00)	—	—	609-1215-1-ND	.89	.47	.40	609-1215-2-ND	1,000	313.09	62674-331121ALF	
62684 Series — Side Entry Without Cable Lock (Gold Plated)														
2	40	Lower	0.957 (24.30)	0.768 (19.50)	0.079 (2.00)	0.197 (5.00)	609-1195-1-ND	.83	.42	.35	609-1195-2-ND	2,000	275.74/M	62684-401100ALF
	45	Lower	1.055 (26.80)	0.866 (22.00)	0.079 (2.00)	0.197 (5.00)	609-1196-1-ND	.92	.51	.43	609-1196-2-ND	2,000	334.13/M	62684-451100ALF
	50	Lower	0.957 (24.30)	0.965 (24.50)	0.079 (2.00)	0.197 (5.00)	609-1197-1-ND	.86	.46	.39	609-1197-2-ND	2,000	305.14/M	62684-501100ALF
	32	Upper	0.799 (20.30)	0.610 (15.50)	0.079 (2.00)	0.197 (5.00)	609-1198-1-ND	.69	.35	.29	609-1198-2-ND	2,000	228.80/M	62684-322100ALF
	34	Upper	0.839 (21.30)	0.650 (16.50)	0.079 (2.00)	0.197 (5.00)	609-1199-1-ND	.72	.37	.32	609-1199-2-ND	2,000	240.56/M	62684-342100ALF
	40	Upper	0.957 (24.30)	0.768 (19.50)	0.079 (2.00)	0.197 (5.00)	609-1200-1-ND	.90	.50	.42	609-1200-2-ND	2,000	326.76/M	62684-402100ALF
	45	Upper	1.055 (26.80)	0.866 (22.00)	0.079 (2.00)	0.197 (5.00)	609-1201-1-ND	.79	.41	.35	609-1201-2-ND	2,000	270.40/M	62684-452100ALF
	50	Upper	1.154 (29.3)	0.965 (24.50)	0.079 (2.00)	0.197 (5.00)	609-1202-1-ND	1.04	.58	.49	609-1202-2-ND	2,000	377.08/M	62684-502100ALF
	55	Upper	1.252 (31.8)	1.063 (27.00)	0.079 (2.00)	0.197 (5.00)	609-2840-1-ND	.70	.38	.34	609-2840-2-ND	2,000	235.26/M	62684-552100ALF
	SFV Series — Side Entry, Lower Contact Location Without Cable Lock													
2	4	Lower	0.295 (7.50)	0.059 (1.50)	0.071 (1.80)	0.165 (4.20)	609-1846-1-ND	.66	.34	.29	609-1846-2-ND	3,000	155.80/M	SFV4R-1STE1LF
	5	Lower	0.315 (8.00)	0.079 (2.00)	0.071 (1.80)	0.165 (4.20)	609-1848-1-ND	.70	.37	.31	609-1848-2-ND	3,000	227.70/M	SFV5R-1STE1LF
	6	Lower	0.335 (8.50)	0.098 (2.50)	0.071 (1.80)	0.165 (4.20)	609-1850-1-ND	.87	.49	.41	609-1850-2-ND	3,000	311.09/M	SFV6R-1STE1LF
	10	Lower	0.413 (10.50)	0.177 (4.50)	0.071 (1.80)	0.165 (4.20)	609-1856-1-ND	1.00	.54	.47	609-1856-2-ND	3,000	358.89/M	SFV10R-1STE1LF
	12	Lower	0.453 (11.50)	0.217 (5.50)	0.071 (1.80)	0.165 (4.20)	609-1858-1-ND	.75	.42	.35	—	—	—	SFV12R-1STE1LF
	14	Lower	0.492 (12.50)	0.256 (6.50)	0.071 (1.80)	0.165 (4.20)	609-1860-1-ND	.78	.43	.36	609-1860-2-ND	3,000	276.44/M	SFV14R-1STE1LF
	15	Lower	0.512 (13.00)	0.276 (7.00)	0.071 (1.80)	0.165 (4.20)	609-1862-1-ND	.79	.44	.37	609-1862-2-ND	3,000	280.78/M	SFV15R-1STE1LF
	16	Lower	0.531 (13.50)	0.295 (7.50)	0.071 (1.80)	0.165 (4.20)	609-1864-1-ND	.78	.44	.37	609-1864-2-ND	3,000	278.92/M	SFV16R-1STE1LF
	18	Lower	0.571 (14.50)	0.335 (8.50)	0.071 (1.80)	0.165 (4.20)	609-1866-1-ND	1.20	.65	.57	609-1866-2-ND	3,000	453.41/M	SFV18R-1STE1LF
	20	Lower	0.610 (15.50)	0.374 (9.50)	0.071 (1.80)	0.165 (4.20)	609-1868-1-ND	1.31	.74	.64	—	—	—	SFV20R-1STE1LF
	24	Lower	0.689 (17.50)	0.453 (11.50)	0.071 (1.80)	0.165 (4.20)	609-1875-1-ND	1.31	.73	.64	—	—	—	SFV24R-1STE1LF
	26	Lower	0.728 (18.50)	0.492 (12.50)	0.071 (1.80)	0.165 (4.20)	609-1877-1-ND	.60	.34	.28	609-1877-2-ND	3,000	214.67/M	SFV26R-1STE1LF
28	Lower	0.768 (19.50)	0.531 (13.50)	0.071 (1.80)	0.165 (4.20)	609-1879-1-ND	1.02	.57	.49	609-1879-2-ND	3,000	376.38/M	SFV28R-1STE1LF	
30	Lower	0.807 (20.50)	0.571 (14.50)	0.071 (1.80)	0.165 (4.20)	609-1881-1-ND	1.07	.59	.50	609-1881-2-ND	3,000	380.51/M	SFV30R-1STE1LF	
SFV Series — Side Entry, Upper Contact Location Without Cable Lock														
2	4	Upper	0.295 (7.50)	0.059 (1.50)	0.071 (1.80)	0.165 (4.20)	609-1847-1-ND	.66	.34	.29	609-1847-2-ND	3,000	155.80/M	SFV4R-2STE1LF
	5	Upper	0.315 (8.00)	0.079 (2.00)	0.071 (1.80)	0.165 (4.20)	609-1849-1-ND	.78	.43	.37	609-1849-2-ND	3,000	277.57/M	SFV5R-2STE1LF
	6	Upper	0.335 (8.50)	0.098 (2.50)	0.071 (1.80)	0.165 (4.20)	609-1851-1-ND	1.07	.60	.52	609-1851-2-ND	3,000	397.42/M	SFV6R-2STE1LF
	8	Upper	0.374 (9.50)	0.138 (3.50)	0.071 (1.80)	0.165 (4.20)	609-1855-1-ND	.62	.31	.26	609-1855-2-ND	3,000	192.33/M	SFV8R-2STE1LF
	10	Upper	0.413 (10.50)	0.177 (4.50)	0.071 (1.80)	0.165 (4.20)	609-1857-1-ND	.56	.29	.25	609-1857-2-ND	3,000	184.23/M	SFV10R-2STE1LF
	12	Upper	0.453 (11.50)	0.217 (5.50)	0.071 (1.80)	0.165 (4.20)	609-1859-1-ND	.75	.42	.35	—	—	—	SFV12R-2STE1LF
	14	Upper	0.492 (12.50)	0.256 (6.50)	0.071 (1.80)	0.165 (4.20)	609-1861-1-ND	.78	.43	.36	—	—	—	SFV14R-2STE1LF
	15	Upper	0.512 (13.00)	0.276 (7.00)	0.071 (1.80)	0.165 (4.20)	609-1863-1-ND	.93	.50	.43	609-1863-2-ND	3,000	339.03/M	SFV15R-2STE1LF
	18	Upper	0.571 (14.50)	0.335 (8.50)	0.071 (1.80)	0.165 (4.20)	609-1867-1-ND	.83	.46	.39	609-1867-2-ND	3,000	293.92/M	SFV18R-2STE1LF
	20	Upper	0.610 (15.50)	0.374 (9.50)	0.071 (1.80)	0.165 (4.20)	609-1869-1-ND	1.11	.63	.54	609-1869-2-ND	3,000	414.29/M	SFV20R-2STE1LF

(Continued)

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