



AMP .050" (1.27mm) Flat Flex Cable Assemblies



.050 (1.27mm) Flat Flex Cable Material: • Insulation: Flame retardant polyester film **Performance Characteristics:** • Current Rating: 1.5 amperes (30AWG equivalent) • Voltage Rating: 300 volts • Temperature Rating: -20°C - 105°C • Insulation Flammability: Polyester, self-extinguishing per UL Flame Test VW-1 • Dielectric Strength: 2500V/MIL

Solder Tab to Solder Tab



No. of Contacts	Length In. (mm)	Digi-Key Part No.	1	Pricing 10 100	
4	2 (50.80)	A9AAT-0402E-ND	.88	7.18 52.92	
	3 (76.20)	A9AAT-0403E-ND	1.02	8.32 61.32	
	4 (101.60)	A9AAT-0404E-ND	1.16	9.46 69.72	
	5 (127.00)	A9AAT-0405E-ND	1.30	10.60 78.12	
	6 (152.40)	A9AAT-0406E-ND	1.44	11.74 86.52	
	8 (203.20)	A9AAT-0408E-ND	1.72	14.02 103.32	
	5	2 (50.80)	A9AAT-0502E-ND	1.04	8.46 62.37
		3 (76.20)	A9AAT-0503E-ND	1.18	9.63 70.98
4 (101.60)		A9AAT-0504E-ND	1.33	10.80 79.59	
5 (127.00)		A9AAT-0505E-ND	1.47	11.97 88.20	
6 (152.40)		A9AAT-0506E-ND	1.61	13.14 96.81	
8 (203.20)		A9AAT-0508E-ND	1.90	15.48 114.03	
6		2 (50.80)	A9AAT-0602E-ND	1.20	9.75 71.82
		3 (76.20)	A9AAT-0603E-ND	1.34	10.94 80.64
	4 (101.60)	A9AAT-0604E-ND	1.49	12.14 89.46	
	5 (127.00)	A9AAT-0605E-ND	1.64	13.34 98.28	
	6 (152.40)	A9AAT-0606E-ND	1.79	14.54 107.10	
	8 (203.20)	A9AAT-0608E-ND	2.08	16.93 124.74	
	7	2 (50.80)	A9AAT-0702E-ND	1.35	11.00 81.06
		3 (76.20)	A9AAT-0703E-ND	1.50	12.23 90.09
4 (101.60)		A9AAT-0704E-ND	1.65	13.45 99.12	
5 (127.00)		A9AAT-0705E-ND	1.80	14.68 108.15	
6 (152.40)		A9AAT-0706E-ND	1.95	15.90 117.18	
8 (203.20)		A9AAT-0708E-ND	2.25	18.35 135.24	
8		2 (50.80)	A9AAT-0802E-ND	1.51	12.28 90.51
		3 (76.20)	A9AAT-0803E-ND	1.66	13.54 99.75
	4 (101.60)	A9AAT-0804E-ND	1.82	14.79 108.99	
	5 (127.00)	A9AAT-0805E-ND	1.97	16.05 118.23	
	6 (152.40)	A9AAT-0806E-ND	2.12	17.30 127.47	
	8 (203.20)	A9AAT-0808E-ND	2.43	19.81 145.95	
	10	2 (50.80)	A9AAT-1002E-ND	1.82	14.85 109.41
		3 (76.20)	A9AAT-1003E-ND	1.98	16.16 119.07
4 (101.60)		A9AAT-1004E-ND	2.15	17.47 128.73	
5 (127.00)		A9AAT-1005E-ND	2.31	18.78 138.39	
6 (152.40)		A9AAT-1006E-ND	2.47	20.09 148.05	
8 (203.20)		A9AAT-1008E-ND	2.79	22.71 167.37	
12		2 (50.80)	A9AAT-1202E-ND	2.15	17.47 128.73
		3 (76.20)	A9AAT-1203E-ND	2.32	18.87 139.02
	4 (101.60)	A9AAT-1204E-ND	2.49	20.26 149.31	
	5 (127.00)	A9AAT-1205E-ND	2.66	21.66 159.60	
	6 (152.40)	A9AAT-1206E-ND	2.83	23.06 169.89	
	8 (203.20)	A9AAT-1208E-ND	3.17	25.85 190.47	
	17	2 (50.80)	A9AAT-1702E-ND	2.97	24.17 178.08
		3 (76.20)	A9AAT-1703E-ND	3.17	25.85 190.47
4 (101.60)		A9AAT-1704E-ND	3.38	27.53 202.86	
5 (127.00)		A9AAT-1705E-ND	3.59	29.21 215.25	
6 (152.40)		A9AAT-1706E-ND	3.79	30.89 227.64	
8 (203.20)		A9AAT-1708E-ND	4.21	34.26 252.42	
20		2 (50.80)	A9AAT-2002E-ND	3.48	28.33 208.74
		3 (76.20)	A9AAT-2003E-ND	3.72	30.27 223.02
	4 (101.60)	A9AAT-2004E-ND	3.96	32.21 237.30	
	5 (127.00)	A9AAT-2005E-ND	4.19	34.14 251.58	
	6 (152.40)	A9AAT-2006E-ND	4.43	36.08 265.86	
	8 (203.20)	A9AAT-2008E-ND	4.91	39.96 294.42	
	22	2 (50.80)	A9AAT-2202E-ND	3.82	31.12 229.32
		3 (76.20)	A9AAT-2203E-ND	4.08	33.23 244.86
4 (101.60)		A9AAT-2204E-ND	4.34	35.34 260.40	
5 (127.00)		A9AAT-2205E-ND	4.60	37.45 275.94	
6 (152.40)		A9AAT-2206E-ND	4.86	39.56 291.48	
8 (203.20)		A9AAT-2208E-ND	5.38	43.78 322.56	
25		2 (50.80)	A9AAT-2502E-ND	4.36	35.48 261.45
		3 (76.20)	A9AAT-2503E-ND	4.66	37.93 279.51
	4 (101.60)	A9AAT-2504E-ND	4.96	40.38 297.57	
	5 (127.00)	A9AAT-2505E-ND	5.26	42.84 315.63	
	6 (152.40)	A9AAT-2506E-ND	5.56	45.29 333.69	
	8 (203.20)	A9AAT-2508E-ND	6.16	50.19 369.81	

Receptacle Housing to Solder Tab

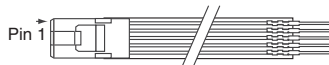


Housing Contacts — Material and Finish: Phosphor bronze; plated gold duplex or bright tin-lead overall. Duplex plated 30µ gold on mating area.

No. of Contacts	Length In. (mm)	Digi-Key Part No.	1	Pricing 10 100
4	2 (50.80)	A9BAA-0402E-ND	2.65	21.60 159.18
	3 (76.20)	A9BAA-0403E-ND	2.79	22.74 167.58
	4 (101.60)	A9BAA-0404E-ND	2.93	23.88 175.98
	5 (127.00)	A9BAA-0405E-ND	3.07	25.02 184.38
	6 (152.40)	A9BAA-0406E-ND	3.21	26.16 192.78
	8 (203.20)	A9BAA-0408E-ND	3.49	28.44 209.58

No. of Contacts	Length In. (mm)	Digi-Key Part No.	1	Pricing 10 100	
5	2 (50.80)	A9BAA-0502E-ND	3.94	32.12 236.67	
	3 (76.20)	A9BAA-0503E-ND	4.09	33.29 245.28	
	4 (101.60)	A9BAA-0504E-ND	4.23	34.46 253.89	
	5 (127.00)	A9BAA-0505E-ND	4.38	35.63 262.50	
	6 (152.40)	A9BAA-0506E-ND	4.52	36.79 271.11	
	8 (203.20)	A9BAA-0508E-ND	4.81	39.13 288.33	
	6	2 (50.80)	A9BAA-0602E-ND	5.19	42.29 311.64
		3 (76.20)	A9BAA-0603E-ND	5.34	43.49 320.46
4 (101.60)		A9BAA-0604E-ND	5.49	44.69 329.28	
5 (127.00)		A9BAA-0605E-ND	5.64	45.89 338.10	
6 (152.40)		A9BAA-0606E-ND	5.78	47.08 346.92	
8 (203.20)		A9BAA-0608E-ND	6.08	49.48 364.56	
7		2 (50.80)	A9BAA-0702E-ND	3.97	32.29 237.93
		3 (76.20)	A9BAA-0703E-ND	4.12	33.52 246.96
	4 (101.60)	A9BAA-0704E-ND	4.27	34.74 255.99	
	5 (127.00)	A9BAA-0705E-ND	4.42	35.97 265.02	
	6 (152.40)	A9BAA-0706E-ND	4.57	37.19 274.05	
	8 (203.20)	A9BAA-0708E-ND	4.87	39.64 292.11	
	8	2 (50.80)	A9BAA-0802E-ND	4.53	36.85 271.53
		3 (76.20)	A9BAA-0803E-ND	4.68	38.10 280.77
4 (101.60)		A9BAA-0804E-ND	4.83	39.36 290.01	
5 (127.00)		A9BAA-0805E-ND	4.99	40.61 299.25	
6 (152.40)		A9BAA-0806E-ND	5.14	41.87 308.49	
8 (203.20)		A9BAA-0808E-ND	5.45	44.37 326.97	
10		2 (50.80)	A9BAA-1002E-ND	5.15	41.90 308.70
		3 (76.20)	A9BAA-1003E-ND	5.31	43.21 318.36
	4 (101.60)	A9BAA-1004E-ND	5.47	44.52 328.02	
	5 (127.00)	A9BAA-1005E-ND	5.63	45.83 337.68	
	6 (152.40)	A9BAA-1006E-ND	5.79	47.14 347.34	
	8 (203.20)	A9BAA-1008E-ND	6.11	49.76 366.66	
	17	2 (50.80)	A9BAA-1702E-ND	11.06	90.09 663.81
		3 (76.20)	A9BAA-1703E-ND	11.27	91.77 676.20
4 (101.60)		A9BAA-1704E-ND	11.48	93.45 688.59	
5 (127.00)		A9BAA-1705E-ND	11.68	95.13 700.98	
6 (152.40)		A9BAA-1706E-ND	11.89	96.81 713.37	
8 (203.20)		A9BAA-1708E-ND	12.30	100.18 738.15	
20		2 (50.80)	A9BAA-2002E-ND	9.28	75.58 556.92
		3 (76.20)	A9BAA-2003E-ND	9.52	77.52 571.20
	4 (101.60)	A9BAA-2004E-ND	9.76	79.46 585.48	
	5 (127.00)	A9BAA-2005E-ND	10.00	81.40 599.76	
	6 (152.40)	A9BAA-2006E-ND	10.23	83.33 614.04	
	8 (203.20)	A9BAA-2008E-ND	10.71	87.21 642.60	
	25	2 (50.80)	A9BAA-2502E-ND	11.52	93.79 691.11
		3 (76.20)	A9BAA-2503E-ND	11.82	96.24 709.17
4 (101.60)		A9BAA-2504E-ND	12.12	98.70 727.23	
5 (127.00)		A9BAA-2505E-ND	12.42	101.15 745.29	
6 (152.40)		A9BAA-2506E-ND	12.72	103.60 763.35	
8 (203.20)		A9BAA-2508E-ND	13.32	108.50 799.47	

Receptacle Housing with Latch to Solder Tab



Housing Contacts — Material and Finish: Phosphor bronze; plated gold duplex or bright tin-lead overall. Duplex plated 30µ gold on mating area.

No. of Contacts	Length In. (mm)	Digi-Key Part No.	1	Pricing 10 100	
4	2 (50.80)	A9CAA-0402E-ND	2.46	20.06 147.84	
	3 (76.20)	A9CAA-0403E-ND	2.60	21.20 156.24	
	4 (101.60)	A9CAA-0404E-ND	2.74	22.34 164.64	
	5 (127.00)	A9CAA-0405E-ND	2.88	23.48 173.04	
	6 (152.40)	A9CAA-0406E-ND	3.02	24.62 181.44	
	8 (203.20)	A9CAA-0408E-ND	3.30	26.90 198.24	
	5	2 (50.80)	A9CAA-0502E-ND	2.74	22.34 164.64
		3 (76.20)	A9CAA-0503E-ND	2.89	23.51 173.25
4 (101.60)		A9CAA-0504E-ND	3.03	24.68 181.86	
5 (127.00)		A9CAA-0505E-ND	3.17	25.85 190.47	
6 (152.40)		A9CAA-0506E-ND	3.32	27.02 199.08	
8 (203.20)		A9CAA-0508E-ND	3.61	29.36 216.30	
6		2 (50.80)	A9CAA-0602E-ND	3.02	24.62 181.44
		3 (76.20)	A9CAA-0603E-ND	3.17	25.82 190.26
	4 (101.60)	A9CAA-0604E-ND	3.32	27.02 199.08	
	5 (127.00)	A9CAA-0605E-ND	3.47	28.22 207.90	
	6 (152.40)	A9CAA-0606E-ND	3.61	29.41 216.72	
	8 (203.20)	A9CAA-0608E-ND	3.91	31.81 234.36	
	8	2 (50.80)	A9CAA-0802E-ND	3.58	29.18 215.04
		3 (76.20)	A9CAA-0803E-ND	3.74	30.44 224.28
4 (101.60)		A9CAA-0804E-ND	3.89	31.69 233.52	
5 (127.00)		A9CAA-0805E-ND	4.05	32.95 242.76	
6 (152.40)		A9CAA-0806E-ND	4.20	34.20 252.00	
8 (203.20)		A9CAA-0808E-ND	4.51	36.71 270.48	

No. of Contacts	Length In. (mm)	Digi-Key Part No.	1	Pricing 10 100	
10	2 (50.80)	A9CAA-1002E-ND	4.15	33.83 249.27	
	3 (76.20)	A9CAA-1003E-ND	4.32	35.14 258.93	
	4 (101.60)	A9CAA-1004E-ND	4.48	36.45 268.59	
	5 (127.00)	A9CAA-1005E-ND	4.64	37.76 278.25	
	6 (152.40)	A9CAA-1006E-ND	4.80	39.07 287.91	
	8 (203.20)	A9CAA-1008E-ND	5.12	41.70 307.23	
	12	2 (50.80)	A9CAA-1202E-ND	4.74	38.62 284.55
		3 (76.20)	A9CAA-1203E-ND	4.91	40.01 294.84
4 (101.60)		A9CAA-1204E-ND	5.09	41.41 305.13	
5 (127.00)		A9CAA-1205E-ND	5.26	42.81 315.42	
6 (152.40)		A9CAA-1206E-ND	5.43	44.20 325.71	
8 (203.20)		A9CAA-1208E-ND	5.77	47.00 346.29	
17		2 (50.80)	A9CAA-1702E-ND	8.85	72.05 530.88
		3 (76.20)	A9CAA-1703E-ND	9.05	73.73 543.27
	4 (101.60)	A9CAA-1704E-ND	9.26	75.41 555.66	
	5 (127.00)	A9CAA-1705E-ND	9.47	77.09 568.05	
	6 (152.40)	A9CAA-1706E-ND	9.67	78.77 580.44	
	8 (203.20)	A9CAA-1708E-ND	10.09	82.14 605.22	
	20	2 (50.80)	A9CAA-2002E-ND	7.65	62.27 458.85
		3 (76.20)	A9CAA-2003E-ND	7.89	64.21 473.13
4 (101.60)		A9CAA-2004E-ND	8.12	66.15 487.41	
5 (127.00)		A9CAA-2005E-ND	8.36	68.09 501.69	
6 (152.40)		A9CAA-2006E-ND	8.60	70.02 515.97	
8 (203.20)		A9CAA-2008E-ND	9.08	73.90 554.53	
22		2 (50.80)	A9CAA-2202E-ND	10.81	88.01 648.48
		3 (76.20)	A9CAA-2203E-ND	11.07	90.12 664.02
	4 (101.60)	A9CAA-2204E-ND	11.33	92.23 679.56	
	5 (127.00)	A9CAA-2205E-ND	11.59	94.34 695.10	
	6 (152.40)	A9CAA-2206E-ND	11.84	96.44 710.64	
	8 (203.20)	A9CAA-2208E-ND	12.36	100.66 741.72	
	25	2 (50.80)	A9CAA-2502E-ND	11.28	91.86 676.83
		3 (76.20)	A9CAA-2503E-ND	11.58	94.31 694.89
4 (101.60)		A9CAA-2504E-ND	11.88	96.76 712.95	
5 (127.00)		A9CAA-2505E-ND	12.18	99.21 731.01	
6 (152.40)		A9CAA-2506E-ND	12.48	101.66 749.07	
8 (203.20)		A9CAA-2508E-ND	13.09	106.56 785.19	