

molex Picoflex™ PF-50



PHYSICAL: • Pitch/Center Spacing: .050 Inch (1.27mm) • Cable Pitch: .050 Inch (1.27mm) • Wire Size (AWG): 26, 28 • Wire Type: Ribbon Cable • Termination Method: Insulation Displacement (IDT) • Housing Material: Receptacle: Polyester; Header: Nylon Glass-Filled • Flammability Rating: UL 94V-0 • Contact: Receptacle: Phosphor Bronze (CuSn); Header: Brass • Minimum Durability (mating cycles): 30 cycles-Tin (Sn), 100 cycles-Gold (Au) • UL File: E29179

ELECTRICAL: • Maximum Current: 1.2A • Maximum Voltage Rating: 250V

ENVIRONMENTAL: • Temperature Range: -40°C ~ 105°C

A

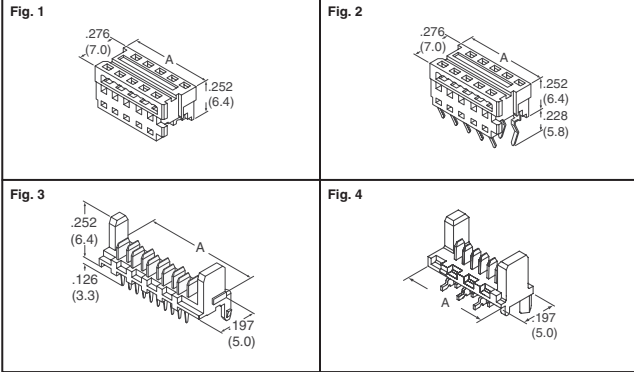


Fig.	Contact Finish	No. of Pos.	Dimension A Inch (mm)	Digi-Key Part No.	Price Each	Molex Part No.		
					1	100		
Receptacles								
1	Tin	4	0.299 (7.59)	WM19220-ND	.51	48 .44 90327-0304		
		6	0.399 (10.13)	WM19221-ND	.70	.67 .61 90327-0306		
		8	0.499 (12.67)	WM19222-ND	.78	.75 .68 90327-0308		
		10	0.599 (15.21)	WM19223-ND	.85	.81 .74 90327-0310		
		12	0.699 (17.75)	WM19224-ND	.81	.77 .70 90327-0312		
		14	0.799 (20.29)	WM19225-ND	1.10	1.05 .96 90327-0314		
	Gold	16	0.899 (22.83)	WM19226-ND	1.27	1.20 1.10 90327-0316		
		18	0.999 (25.37)	WM19227-ND	1.29	1.22 1.01 90327-0318		
		20	1.099 (27.91)	WM19228-ND	1.46	1.38 1.17 90327-0320		
		26	1.399 (35.53)	WM19229-ND	1.84	1.74 1.45 90327-0326		
		4	0.299 (7.59)	WM19230-ND	.47	.45 .41 90327-3304		
		6	0.399 (10.13)	WM19231-ND	.66	.62 .57 90327-3306		
2	Tin	8	0.499 (12.67)	WM19232-ND	.78	.74 .67 90327-3308		
		10	0.599 (15.21)	WM19233-ND	.94	.89 .81 90327-3310		
		12	0.699 (17.75)	WM19234-ND	1.06	1.00 .91 90327-3312		
		14	0.799 (20.29)	WM19235-ND	1.15	1.09 .99 90327-3314		
		16	0.899 (22.83)	WM19236-ND	1.25	1.18 1.08 90327-3316		
		18	0.999 (25.37)	WM19237-ND	1.34	1.26 1.15 90327-3318		
	Gold	20	1.099 (27.91)	WM19238-ND	1.48	1.40 1.28 90327-3320		
		26	1.399 (35.53)	WM19239-ND	1.83	1.73 1.57 90327-3326		
		4	0.299 (7.59)	WM19240-ND	.36	.34 .31 90584-1304		
		6	0.399 (10.13)	WM19241-ND	.50	.48 .44 90584-1306		
		8	0.499 (12.67)	WM19242-ND	.72	.69 .63 90584-1308		
		10	0.599 (15.21)	WM19243-ND	.85	.81 .74 90584-1310		
3	Tin	12	0.699 (17.75)	WM19244-ND	.81	.77 .70 90584-1312		
		14	0.799 (20.29)	WM19245-ND	.88	.84 .76 90584-1314		
		16	0.899 (22.83)	WM19246-ND	1.18	1.13 1.03 90584-1316		
		18	0.999 (25.37)	WM19247-ND	1.03	.97 .89 90584-1318		
		20	1.099 (27.91)	WM19248-ND	1.14	1.08 .98 90584-1320		
		26	1.399 (35.53)	WM19249-ND	1.41	1.33 1.21 90584-1326		
	Headers — Through Hole							
	4	Tin	4	0.367 (9.32)	WM19210-ND	.40	.38 .35 90325-9004	
			6	0.467 (11.86)	WM19211-ND	.43	.41 .38 90325-9006	
			8	0.567 (14.40)	WM19212-ND	.51	.49 .44 90325-9008	
			10	0.667 (16.94)	WM19213-ND	.59	.56 .51 90325-9010	
			12	0.767 (19.48)	WM19214-ND	.65	.62 .56 90325-9012	
14			0.867 (22.02)	WM19215-ND	.70	.66 .60 90325-9014		
Gold		16	0.967 (24.56)	WM19216-ND	.89	.85 .77 90325-9016		
		18	1.067 (27.10)	WM19217-ND	1.40	1.33 1.21 90325-9018		
		20	1.167 (29.64)	WM19218-ND	1.08	1.02 .93 90325-9020		
		26	1.467 (37.26)	WM19219-ND	1.55	1.46 1.33 90325-9026		
		4	0.367 (9.32)	WM19200-ND	.70	.66 .60 90325-7004		
		6	0.467 (11.86)	WM19201-ND	.95	.90 .82 90325-7006		
5	Tin	8	0.567 (14.40)	WM19202-ND	1.19	1.12 1.02 90325-7008		
		10	0.667 (16.94)	WM19203-ND	1.47	1.39 1.27 90325-7010		
		12	0.767 (19.48)	WM19204-ND	1.77	1.68 1.52 90325-7012		
		14	0.867 (22.02)	WM19205-ND	1.98	1.87 1.70 90325-7014		
		16	0.967 (24.56)	WM19206-ND	2.21	2.09 1.90 90325-7016		
		18	1.067 (27.10)	WM19207-ND	2.48	2.34 2.13 90325-7018		
	Gold	20	1.167 (29.64)	WM19208-ND	2.04	1.93 1.75 90325-7020		
		26	1.467 (37.26)	WM19209-ND	3.30	3.12 2.83 90325-7026		
		Headers — SMD						
		6	Tin	4	0.349 (8.86)	WM19274-ND	.55	.51 .41 90814-0804
				6	0.449 (11.40)	WM19275-ND	.62	.58 .46 90814-0806
				8	0.549 (13.94)	WM19276-ND	.68	.62 .50 90814-0808
10	0.649 (16.48)			WM19277-ND	.70	.64 .51 90814-0810		
12	0.749 (19.02)			WM19278-ND	.74	.69 .55 90814-0812		
14	0.849 (21.56)			WM19279-ND	.86	.79 .63 90814-0814		
Gold	16		0.949 (24.10)	WM19280-ND	.96	.88 .71 90814-0816		
	18		1.049 (26.64)	WM19281-ND	1.06	.98 .78 90814-0818		
	20		1.149 (29.18)	WM19282-ND	1.18	1.09 .87 90814-0820		

Fig.	Contact Finish	No. of Pos.	Dimension A Inch (mm)	Digi-Key Part No.	Price Each	Molex Part No.	
					1	100	
1	Tin	20	1.149 (29.18)	WM19258-ND	1.45	1.37 1.13 90814-0020	
		26	1.449 (36.80)	WM19283-ND	1.29	1.19 .95 90814-0826	
		26	1.449 (36.80)	WM19259-ND	1.82	1.72 1.44 90814-0026	
	4	Gold	4	0.349 (8.86)	WM19284-ND	.77	.71 .57 90814-3804
			6	0.449 (11.40)	WM19285-ND	.76	.70 .56 90814-3806
			8	0.549 (13.94)	WM19286-ND	1.03	.95 .76 90814-3808
10			0.649 (16.48)	WM19287-ND	1.16	1.07 .85 90814-3810	
12			0.749 (19.02)	WM19288-ND	1.39	1.28 1.03 90814-3812	
14		0.849 (21.56)	WM19289-ND	1.58	1.45 1.16 90814-3814		
16		0.949 (24.10)	WM19290-ND	1.47	1.36 1.09 90814-3816		
18		1.049 (26.64)	WM19291-ND	1.65	1.52 1.21 90814-3818		
20		1.149 (29.18)	WM19292-ND	1.83	1.68 1.35 90814-3820		
26	1.449 (36.80)	WM19293-ND	2.34	2.15 1.72 90814-3826			
Tools							
Hand Tool for Picoflex				WM19270-ND	1249.18	— — 69008-1090	
Extraction Tool for Picoflex				WM9991-ND	13.27	— — 69008-1070	

ASSMANN Flat Cable

Features:

- Operating Voltage: 300Vrms
- Test Voltage: 2000Vrms
- Current Capacity: 1A
- Insulation Resistance: >20GΩ/m
- Capacity: 45pF/m
- Conductor Resistance: >230Ω/km
- Impedance: 104Ω
- Temperature Range: -30°C ~ 105°C
- Color: Gray, red coded
- Multi-Color Sequence: Brown, Red, Orange, Yellow, Green, Blue, Violet, Gray, White, Black

Cond.	Dimensions - Inch (mm)		Dimensions - Inch (mm)	
	A	B	Cond.	B
9	0.45 (11.43)	.400 (10.16)	26	1.30 (33.02)
10	0.50 (12.70)	.450 (11.43)	30	1.50 (38.10)
14	0.70 (17.78)	.650 (16.51)	34	1.70 (43.18)
15	0.75 (19.05)	.700 (17.78)	37	1.85 (46.99)
16	0.80 (20.32)	.750 (19.05)	40	2.00 (50.80)
20	1.00 (25.40)	.950 (24.13)	50	2.50 (63.50)
24	1.20 (30.48)	1.150 (29.21)	60	3.00 (76.20)
25	1.25 (31.75)	1.200 (30.48)	64	3.20 (81.28)

Multi-Color Ribbon Cable

With Standard 10 Color Repeat Sequence

No. of Contacts	Digi-Key Part No.	(Note: "X" in Digi-Key Part No. Represents No. of Feet)			
		5	10	25	100
9	AE09M-X-ND	3.25	5.79	13.98	49.95
10	AE10M-X-ND	3.05	5.45	13.15	46.96
14	AE14M-X-ND	4.58	8.17	19.73	70.44
15	AE15M-X-ND	4.58	8.17	19.73	70.44
16	AE16M-X-ND	4.89	8.72	21.04	75.14
20	AE20M-X-ND	6.11	10.90	26.30	93.92
24	AE24M-X-ND	7.63	13.62	32.87	117.41
25	AE25M-X-ND	7.63	13.62	32.87	117.41
26	AE26M-X-ND	7.94	14.16	34.19	122.10
30	AE30M-X-ND	10.38	18.52	44.71	159.67
34	AE34M-X-ND	10.38	18.52	44.71	159.67
37	AE37M-X-ND	12.21	21.79	52.60	187.85
40	AE40M-X-ND	12.21	21.79	52.60	187.85
50	AE50M-X-ND	15.26	27.24	65.75	234.81
60	AE60M-X-ND	18.32	32.68	78.89	281.77
64	AE64M-X-ND	19.54	34.86	84.16	300.55

◊ Cable available in 300 foot reel. Please call for pricing.

Gray Ribbon Cable

With Single Edge Red Strip For Pin One Orientation

No. of Contacts	Digi-Key Part No.	(Note: "X" in Digi-Key Part No. Represents No. of Feet)			
		5	10	25	100
9	AE09G-X-ND	.86	1.54	3.72	13.27
10	AE10G-X-ND	.96	1.71	4.14	14.78
14	AE14G-X-ND	1.35	2.40	5.80	20.72
15	AE15G-X-ND	1.44	2.56	6.19	22.12
16	AE16G-X-ND	1.54	2.74	6.61	23.63
20	AE20G-X-ND	2.18	3.88	9.38	33.49
24	AE24G-X-ND	2.05	3.65	8.82	31.51
25	AE25G-X-ND	2.67	4.76	11.50	41.06
26	AE26G-X-ND	2.69	4.79	11.57	41.32
30	AE30G-X-ND	3.29	5.87	14.66	50.55
34	AE34G-X-ND	2.90	5.18	12.49	44.63
37	AE37G-X-ND	3.56	6.35	15.33	54.73
40	AE40G-X-ND	4.06	7.24	17.47	62.41
50	AE50G-X-ND	4.27	7.62	18.38	65.63
60	AE60G-X-ND	5.77	10.31	24.88	88.85
64	AE64G-X-ND	5.46	9.74	23.52	84.01

◊ Cable available in 300 foot reel. Please call for pricing.

Free shipping on orders over £50! All prices are in British pound sterling and include duties.

52 (UK091) uk.digikey.com — FREEPHONE: 0-800-587-0991 • 0-800-904-7786 — FREEFAX: 0-800-587-0992 • 0-800-904-7783