

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

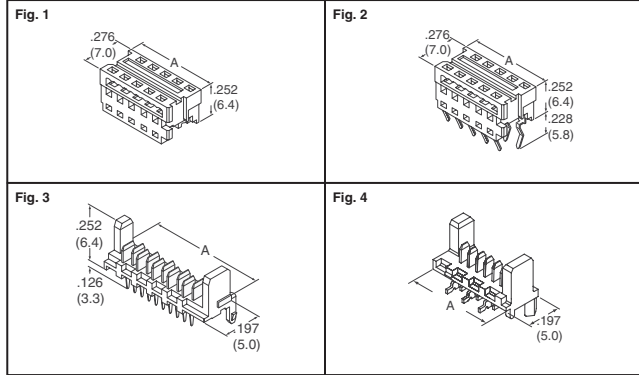


Fig.	Contact Finish	No. of Pos.	Dimension A Inch (mm)	Digi-Key Part No.	Price Each 1	Price Each 10	Price Each 100	Molex Part No.		
Receptacles										
1	Tin	4	0.299 (7.59)	WM19220-ND	.58	.54	.43	90327-0304		
		6	0.399 (10.13)	WM19221-ND	.82	.75	.60	90327-0306		
		8	0.499 (12.67)	WM19222-ND	.97	.90	.72	90327-0308		
		10	0.599 (15.21)	WM19223-ND	1.17	1.07	.86	90327-0310		
		12	0.699 (17.75)	WM19224-ND	1.31	1.21	.97	90327-0312		
		14	0.799 (20.29)	WM19225-ND	1.43	1.31	1.05	90327-0314		
	Gold	16	0.899 (22.83)	WM19226-ND	1.56	1.43	1.15	90327-0316		
		18	0.999 (25.37)	WM19227-ND	1.66	1.53	1.22	90327-0318		
		20	1.099 (27.91)	WM19228-ND	1.85	1.70	1.36	90327-0320		
		26	1.399 (35.53)	WM19229-ND	2.28	2.09	1.67	90327-0326		
		2	Tin	4	0.299 (7.59)	WM19230-ND	.76	.70	.56	90327-3304
				6	0.399 (10.13)	WM19231-ND	1.06	.98	.78	90327-3306
8	0.499 (12.67)			WM19232-ND	1.26	1.16	.93	90327-3308		
10	0.599 (15.21)			WM19233-ND	1.52	1.39	1.12	90327-3310		
12	0.699 (17.75)			WM19234-ND	1.71	1.57	1.26	90327-3312		
14	0.799 (20.29)			WM19235-ND	1.86	1.71	1.37	90327-3314		
3	Tin	16	0.899 (22.83)	WM19236-ND	2.02	1.86	1.49	90327-3316		
		18	0.999 (25.37)	WM19237-ND	2.16	1.99	1.59	90327-3318		
		20	1.099 (27.91)	WM19238-ND	2.40	2.21	1.77	90327-3320		
		26	1.399 (35.53)	WM19239-ND	2.96	2.72	2.17	90327-3326		
		4	Gold	4	0.299 (7.59)	WM19240-ND	.58	.54	.43	90584-1304
				6	0.399 (10.13)	WM19241-ND	.82	.75	.60	90584-1306
8	0.499 (12.67)			WM19242-ND	.97	.90	.72	90584-1308		
10	0.599 (15.21)			WM19243-ND	1.17	1.07	.86	90584-1310		
12	0.699 (17.75)			WM19244-ND	1.31	1.21	.97	90584-1312		
14	0.799 (20.29)			WM19245-ND	1.43	1.31	1.05	90584-1314		
4	Gold	16	0.899 (22.83)	WM19246-ND	1.56	1.43	1.15	90584-1316		
		18	0.999 (25.37)	WM19247-ND	1.66	1.53	1.22	90584-1318		
		20	1.099 (27.91)	WM19248-ND	1.85	1.70	1.36	90584-1320		
		26	1.399 (35.53)	WM19249-ND	2.28	2.09	1.67	90584-1326		
		Headers — Through Hole								
		3	Tin	4	0.367 (9.32)	WM19210-ND	.65	.60	.48	90325-9004
6	0.467 (11.86)			WM19211-ND	.70	.65	.52	90325-9006		
8	0.567 (14.40)			WM19212-ND	.83	.76	.61	90325-9008		
10	0.667 (16.94)			WM19213-ND	.95	.87	.70	90325-9010		
12	0.767 (19.48)			WM19214-ND	1.05	.97	.78	90325-9012		
14	0.867 (22.02)			WM19215-ND	1.13	1.04	.83	90325-9014		
Gold	16		0.967 (24.56)	WM19216-ND	1.44	1.33	1.06	90325-9016		
	18		1.067 (27.10)	WM19217-ND	2.27	2.09	1.67	90325-9018		
	20		1.167 (29.64)	WM19218-ND	1.75	1.60	1.28	90325-9020		
	26		1.467 (37.26)	WM19219-ND	2.50	2.30	1.84	90325-9026		
	4		Tin	4	0.367 (9.32)	WM19200-ND	1.12	1.04	.83	90325-7004
				6	0.467 (11.86)	WM19201-ND	1.54	1.42	1.14	90325-7006
8		0.567 (14.40)		WM19202-ND	1.92	1.76	1.41	90325-7008		
10		0.667 (16.94)		WM19203-ND	2.38	2.19	1.75	90325-7010		
12		0.767 (19.48)		WM19204-ND	2.87	2.63	2.11	90325-7012		
14		0.867 (22.02)		WM19205-ND	3.20	2.94	2.35	90325-7014		
4	Gold	16	0.967 (24.56)	WM19206-ND	3.57	3.28	2.62	90325-7016		
		18	1.067 (27.10)	WM19207-ND	4.01	3.68	2.95	90325-7018		
		20	1.167 (29.64)	WM19208-ND	3.30	3.03	2.42	90325-7020		
		26	1.467 (37.26)	WM19209-ND	5.34	4.90	3.92	90325-7026		
		Headers — SMD								
		4	Tin	4	0.349 (8.86)	WM19274-ND NEW!	.76	.70	.56	90814-0804
6	0.449 (11.40)			WM19275-ND NEW!	.86	.79	.64	90814-0806		
8	0.549 (13.94)			WM19276-ND NEW!	.93	.86	.69	90814-0808		
10	0.649 (16.48)			WM19277-ND NEW!	.96	.88	.71	90814-0810		
12	0.749 (19.02)			WM19278-ND NEW!	1.02	.94	.76	90814-0812		
14	0.849 (21.56)			WM19279-ND NEW!	1.18	1.08	.87	90814-0814		
16	0.949 (24.10)			WM19280-ND NEW!	1.32	1.21	.97	90814-0816		
18	1.049 (26.64)			WM19281-ND NEW!	1.46	1.34	1.08	90814-0818		
20	1.149 (29.18)			WM19282-ND NEW!	1.62	1.49	1.20	90814-0820		

Fig.	Contact Finish	No. of Pos.	Dimension A Inch (mm)	Digi-Key Part No.	Price Each 1	Price Each 10	Price Each 100	Molex Part No.	
4	Tin	20	1.149 (29.18)	WM19258-ND	2.75	2.53	2.02	90814-0020	
		26	1.449 (36.80)	WM19283-ND NEW!	1.78	1.64	1.31	90814-0826	
		26	1.449 (36.80)	WM19259-ND	3.47	3.19	2.55	90814-0026	
		4	0.349 (8.86)	WM19284-ND NEW!	1.06	.98	.78	90814-3804	
	Gold	6	0.449 (11.40)	WM19285-ND NEW!	1.05	.96	.77	90814-3806	
		6	0.449 (11.40)	WM19261-ND	1.13	1.04	.84	90814-3006	
		8	0.549 (13.94)	WM19286-ND NEW!	1.42	1.31	1.05	90814-3808	
		10	0.649 (16.48)	WM19287-ND NEW!	1.60	1.47	1.17	90814-3810	
		10	0.649 (16.48)	WM19263-ND	2.14	1.97	1.58	90814-3010	
		12	0.749 (19.02)	WM19288-ND NEW!	1.92	1.76	1.41	90814-3812	
		14	0.849 (21.56)	WM19289-ND NEW!	2.17	1.99	1.60	90814-3814	
		16	0.949 (24.10)	WM19290-ND NEW!	2.03	1.87	1.49	90814-3816	
18		1.049 (26.64)	WM19291-ND NEW!	2.27	2.09	1.67	90814-3818		
18		1.049 (26.64)	WM19267-ND	3.21	2.95	2.36	90814-3018		
20		1.149 (29.18)	WM19292-ND NEW!	2.52	2.32	1.85	90814-3820		
20		1.149 (29.18)	WM19268-ND	3.52	3.24	2.59	90814-3020		
26		1.449 (36.80)	WM19293-ND NEW!	3.22	2.96	2.37	90814-3826		
Tools									
Hand Tool for Picoflex				WM19270-ND	1144.80	—	—	69008-1090	
Extraction Tool for Picoflex				WM9991-ND	10.15	—	—	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

28 AWG 7/36 Stranded conductor
Tin coated copper
UL Style 2651
105°C 300V

Dim A
Dim B
0.025(.64)
0.050 (1.27)
0.034 (.86)

Cond.	Dimensions - Inch (mm)			Dimensions - Inch (mm)		
	A	B		A	B	
9	0.45 (11.43)	400 (10.16)		26	1.30 (33.02)	1.250 (31.75)
10	0.50 (12.70)	450 (11.43)		30	1.50 (38.10)	1.450 (36.83)
14	0.70 (17.78)	650 (16.51)		34	1.70 (43.18)	1.650 (41.91)
15	0.75 (19.05)	700 (17.78)		37	1.85 (46.99)	1.800 (45.72)
16	0.80 (20.32)	750 (19.05)		40	2.00 (50.80)	1.950 (49.53)
20	1.00 (25.40)	950 (24.13)		50	2.50 (63.50)	2.450 (62.23)
24	1.20 (30.48)	1,150 (29.21)		60	3.00 (76.20)	2.950 (74.93)
25	1.25 (31.75)	1,200 (30.48)		64	3.20 (81.28)	3.150 (80.01)

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	50	100
9	AE09M-X-ND	4.47	7.98	19.26	37.15	68.80
10	AE10M-X-ND	4.20	7.50	18.11	34.93	64.68
14	AE14M-X-ND	6.31	11.25	27.17	52.39	97.03
15	AE15M-X-ND	6.31	11.25	27.17	52.39	97.03
16	AE16M-X-ND	6.73	12.01	28.98	55.89	103.50
20	AE20M-X-ND	8.41	15.01	36.22	69.86	129.37
24	AE24M-X-ND	10.51	18.76	45.28	87.33	161.72
25	AE25M-X-ND	10.51	18.76	45.28	87.33	161.72
26	AE26M-X-ND	10.93	19.51	47.09	90.82	168.18
30	AE30M-X-ND	14.30	25.51	61.58	118.76	219.93
34	AE34M-X-ND	14.30	25.51	61.58	118.76	219.93
37	AE37M-X-ND	16.82	30.01	72.45	139.72	258.74
40	AE40M-X-ND	16.82	30.01	72.45	139.72	258.74
50	AE50M-X-ND	21.02	37.52	90.56	174.65	323.43
60	AE60M-X-ND	25.23	45.02	108.67	209.58	388.11
64	AE64M-X-ND	26.91	48.02	115.92	223.55	413.98

◊ 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	50	100
9	AE09G-X-ND	1.19	2.12	5.12	9.87	18.28
10	AE10G-X-ND	1.32	2.36	5.70	10.99	20.36
14	AE14G-X-ND	1.86	3.31	7.99	15.41	28.54
15	AE15G-X-ND	1.98	3.53	8.53	16.45	30.47
16	AE16G-X-ND	2.12	3.78	9.11	17.58	32.55
20	AE20G-X-ND	3.00	5.35	12.92	24.91	46.13
24	AE24G-X-ND	2.82	5.03	12.15	23.44	43.40
25	AE25G-X-ND	3.68	6.56	15.84	30.54	56.56
26	AE26G-X-ND	3.70	6.60	15.93	30.73	56.91
30	AE30G-X-ND	3.47	6.19	15.47	28.80	53.33
34	AE34G-X-ND	4.00	7.13	17.21	33.19	61.47
37	AE37G-X-ND	4.90	8.74	21.11	40.70	75.38