

# 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: 2.4A • Maximum Voltage Rating: 250V

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

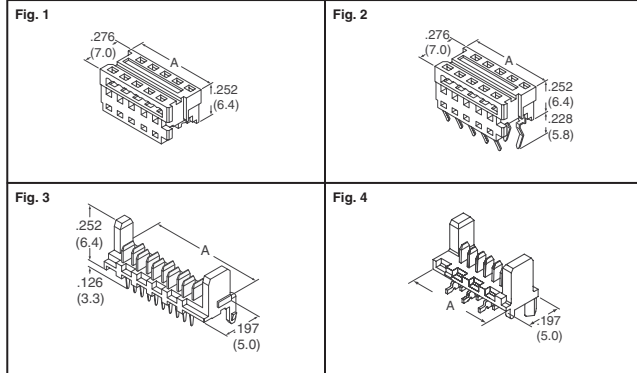


Fig.	Contact Finish	No. of Pos.	Dimension A Inch (mm)	Digi-Key Part No.	Price Each	Molex Part No.			
					1	10	100		
<b>Receptacles</b>									
1	Tin	4	0.299 (7.59)	WM19220-ND	.46	.43	.35	90327-0304	
	Tin	6	0.399 (10.13)	WM19221-ND	.66	.60	.48	90327-0306	
	Tin	8	0.499 (12.67)	WM19222-ND	.78	.72	.58	90327-0308	
	Tin	10	0.599 (15.21)	WM19223-ND	.94	.86	.69	90327-0310	
	Tin	12	0.699 (17.75)	WM19224-ND	1.05	.97	.78	90327-0312	
	Tin	14	0.799 (20.29)	WM19225-ND	1.15	1.05	.84	90327-0314	
	Tin	16	0.899 (22.83)	WM19226-ND	1.25	1.15	.92	90327-0316	
	Tin	18	0.999 (25.37)	WM19227-ND	1.33	1.22	.98	90327-0318	
	Tin	20	1.099 (27.91)	WM19228-ND	1.48	1.36	1.09	90327-0320	
	Tin	26	1.399 (35.53)	WM19229-ND	1.83	1.67	1.34	90327-0326	
	Gold	4	0.299 (7.59)	WM19230-ND	.61	.56	.45	90327-3304	
	Gold	6	0.399 (10.13)	WM19231-ND	.85	.78	.63	90327-3306	
	Gold	8	0.499 (12.67)	WM19232-ND	1.01	.93	.75	90327-3308	
	Gold	10	0.599 (15.21)	WM19233-ND	1.22	1.12	.90	90327-3310	
	Gold	12	0.699 (17.75)	WM19234-ND	1.37	1.26	1.01	90327-3312	
	Gold	14	0.799 (20.29)	WM19235-ND	1.49	1.37	1.10	90327-3314	
	Gold	16	0.899 (22.83)	WM19236-ND	1.62	1.49	1.19	90327-3316	
	Gold	18	0.999 (25.37)	WM19237-ND	1.73	1.59	1.27	90327-3318	
	Gold	20	1.099 (27.91)	WM19238-ND	1.92	1.77	1.42	90327-3320	
	Gold	26	1.399 (35.53)	WM19239-ND	2.37	2.18	1.74	90327-3326	
	2	Tin	4	0.299 (7.59)	WM19240-ND	.46	.43	.35	90584-1304
		Tin	6	0.399 (10.13)	WM19241-ND	.66	.60	.48	90584-1306
		Tin	8	0.499 (12.67)	WM19242-ND	.78	.72	.58	90584-1308
		Tin	10	0.599 (15.21)	WM19243-ND	.94	.86	.69	90584-1310
		Tin	12	0.699 (17.75)	WM19244-ND	1.05	.97	.78	90584-1312
		Tin	14	0.799 (20.29)	WM19245-ND	1.15	1.05	.84	90584-1314
Tin		16	0.899 (22.83)	WM19246-ND	1.25	1.15	.92	90584-1316	
Tin		18	0.999 (25.37)	WM19247-ND	1.33	1.22	.98	90584-1318	
Tin		20	1.099 (27.91)	WM19248-ND	1.48	1.36	1.09	90584-1320	
Tin		26	1.399 (35.53)	WM19249-ND	1.83	1.67	1.34	90584-1326	
<b>Headers — Through Hole</b>									
3	Tin	4	0.367 (9.32)	WM19210-ND	.52	.48	.38	90325-9004	
	Tin	6	0.467 (11.86)	WM19211-ND	.56	.52	.42	90325-9006	
	Tin	8	0.567 (14.40)	WM19212-ND	.66	.61	.49	90325-9008	
	Tin	10	0.667 (16.94)	WM19213-ND	.76	.70	.56	90325-9010	
	Tin	12	0.767 (19.48)	WM19214-ND	.84	.78	.62	90325-9012	
	Tin	14	0.867 (22.02)	WM19215-ND	.90	.83	.67	90325-9014	
	Tin	16	0.967 (24.56)	WM19216-ND	1.15	1.06	.85	90325-9016	
	Tin	18	1.067 (27.10)	WM19217-ND	1.82	1.67	1.34	90325-9018	
	Tin	20	1.167 (29.64)	WM19218-ND	1.40	1.29	1.03	90325-9020	
	Tin	26	1.467 (37.26)	WM19219-ND	2.00	1.84	1.48	90325-9026	
	Gold	4	0.367 (9.32)	WM19200-ND	.90	.83	.67	90325-7004	
	Gold	6	0.467 (11.86)	WM19201-ND	1.23	1.14	.91	90325-7006	
	Gold	8	0.567 (14.40)	WM19202-ND	1.54	1.41	1.13	90325-7008	
	Gold	10	0.667 (16.94)	WM19203-ND	1.91	1.75	1.40	90325-7010	
	Gold	12	0.767 (19.48)	WM19204-ND	2.30	2.11	1.69	90325-7012	
	Gold	14	0.867 (22.02)	WM19205-ND	2.56	2.35	1.88	90325-7014	
	Gold	16	0.967 (24.56)	WM19206-ND	2.86	2.63	2.10	90325-7016	
	Gold	18	1.067 (27.10)	WM19207-ND	3.21	2.95	2.36	90325-7018	
	Gold	20	1.167 (29.64)	WM19208-ND	2.64	2.42	1.94	90325-7020	
	Gold	26	1.467 (37.26)	WM19209-ND	4.28	3.92	3.14	90325-7026	
	<b>Headers — SMD</b>								
	4	Tin	4	0.349 (8.86)	WM19274-ND	.61	.56	.45	90814-0804
		Tin	6	0.449 (11.40)	WM19275-ND	.69	.64	.51	90814-0806
		Tin	8	0.549 (13.94)	WM19276-ND	.74	.69	.55	90814-0808
		Tin	10	0.649 (16.48)	WM19277-ND	.77	.71	.57	90814-0810
		Tin	12	0.749 (19.02)	WM19278-ND	.82	.76	.61	90814-0812
Tin		14	0.849 (21.56)	WM19279-ND	.94	.87	.70	90814-0814	
Tin		16	0.949 (24.10)	WM19280-ND	1.06	.97	.78	90814-0816	
Tin		18	1.049 (26.64)	WM19281-ND	1.17	1.08	.86	90814-0818	
Tin		20	1.149 (29.18)	WM19282-ND	1.30	1.20	.96	90814-0820	
Tin		26	1.449 (36.80)	WM19283-ND	1.43	1.31	1.05	90814-0826	
Gold		4	0.349 (8.86)	WM19284-ND	.85	.78	.63	90814-3804	
Gold		6	0.449 (11.40)	WM19285-ND	.84	.77	.62	90814-3806	

Fig.	Contact Finish	No. of Pos.	Dimension A Inch (mm)	Digi-Key Part No.	Price Each			Molex Part No.
					1	10	100	
4	Gold	8	0.549 (13.94)	WM19286-ND	1.14	1.05	.84	90814-3808
	Gold	10	0.649 (16.48)	WM19287-ND	1.28	1.18	.94	90814-3810
	Gold	12	0.749 (19.02)	WM19288-ND	1.54	1.41	1.13	90814-3812
	Gold	14	0.849 (21.56)	WM19289-ND	1.74	1.60	1.28	90814-3814
	Gold	16	0.949 (24.10)	WM19290-ND	1.63	1.50	1.20	90814-3816
	Gold	18	1.049 (26.64)	WM19291-ND	1.82	1.67	1.34	90814-3818
	Gold	20	1.149 (29.18)	WM19292-ND	2.02	1.86	1.49	90814-3820
	Gold	26	1.449 (36.80)	WM19293-ND	2.58	2.37	1.90	90814-3826

### Tools and Accessories

Part No.	Description	Price Each	Molex Part No.
WM19270-ND	Hand Tool for Picoflex	518.92	69008-1090
WM9991-ND	Extraction Tool for Picoflex	8.13	69008-1070
WM5157-ND	Main Spring for Parallel Action Hand Tool	4.18	0690080970

### Kits

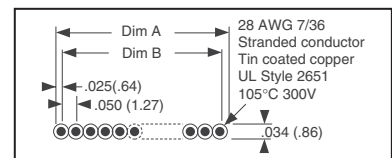
WM8449-ND	(76650-0121) Picoflex Connector Kit; (IDT Board-In Right Angle Receptacle Header Kit)	11.64
WM8450-ND	(76650-0122) Picoflex Connector Kit; (Right Angle Header and IDT Receptacle Kit)	9.80
WM8451-ND	(76650-0123) Picoflex Connector Kit; (SMT Vertical Header and IDT Receptacle Kit)	10.55
WM8452-ND	(76650-0124) Picoflex Deluxe Connector Kit; (SMT Vertical and Right Angle Header, Receptacle and IDT Board-In Receptacle Header Kit)	22.12

# 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



Contacts	Dimensions - Inch (mm)			Contacts	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)				
		Pricing				
		5	10	25	50	100
9	AE09M-X-ND	2.38	4.76	8.80	15.54	29.00
10	AE10M-X-ND	2.75	4.78	10.15	17.92	33.46
14	AE14M-X-ND	4.07	7.08	13.27	24.77	49.55
15	AE15M-X-ND	4.07	7.08	13.27	24.77	49.55
16	AE16M-X-ND	4.38	7.62	14.29	26.67	53.35
20	AE20M-X-ND	4.78	8.13	17.92	33.46	66.92
24	AE24M-X-ND	5.73	9.75	21.50	40.14	80.27
25	AE25M-X-ND	5.97	10.16	22.41	41.83	83.67
26	AE26M-X-ND	6.22	10.57	23.33	43.54	87.08
30	AE30M-X-ND	8.13	13.81	28.44	56.88	113.76
34	AE34M-X-ND	8.13	13.81	28.44	56.88	113.76
37	AE37M-X-ND	8.26	14.59	34.03	68.07	117.58
40	AE40M-X-ND	8.26	14.59	34.03	68.07	117.58
50	AE50M-X-ND	10.20	18.00	42.00	84.00	145.10
60	AE60M-X-ND	12.29	21.69	50.60	101.21	174.81
64	AE64M-X-ND	13.00	22.94	53.53	107.07	184.94

∅ 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)				
		Pricing				
		5	10	25	50	100
9	AE09G-X-ND	1.04	1.86	4.12	7.15	12.16
10	AE10G-X-ND	1.15	2.07	4.58	7.97	13.55
14	AE14G-X-ND	1.45	2.57	5.59	9.50	16.76
15	AE15G-X-ND	1.55	2.75	5.97	10.14	17.89
16	AE16G-X-ND	1.66	2.93	6.37	10.83	19.12
20	AE20G-X-ND	2.07	4.16	7.68	13.55	25.29
24	AE24G-X-ND	2.21	3.91	8.50	14.45	25.49
25	AE25G-X-ND	2.55	4.43	9.41	16.61	31.00
26	AE26G-X-ND	2.56	4.45	9.47	16.71	31.19
30	AE30G-X-ND	3.13	5.45	11.59	20.44</	