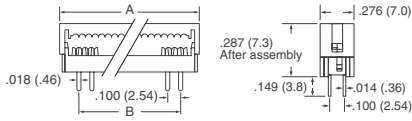


# 3M .100" x .100" PCB Connectors



Series 78XX is a low cost, insulation displacement connector (IDC) designed for soldering of flat ribbon cable to a PC board.  
Use with Wire Accommodations: 26AWG Stranded, 28AWG Solid or Stranded, 30AWG Solid.

- Physical Specifications:**  
 • Insulation Material: Glass filled Polyester • Flammability Rating: UL94V-0 • Color: Gray
- Electrical Specifications:** • Current Rating: 1.0A • Withstanding Voltage: 1000VAC for 1 minute
- Environmental Specifications:** • Temperature Rating: -55°C - 105°C

No. of Cont.	Dimensions - Inch (mm)		Pricing		3M Part No.
	A	B	1	10	
<b>Gold Flash</b>					
10	0.685 (17.4)	0.402 (10.2)	3.29	26.79	7810-0006-PR
14	0.886 (22.5)	0.599 (15.2)	3.71	30.21	7814-0006-PR
16	0.985 (25)	0.701 (17.8)	3.78	30.78	7816-0006-PR
20	1.185 (30.1)	0.901 (22.9)	3.57	29.07	7820-0006-PR
26	1.484 (37.7)	1.200 (30.5)	4.62	37.62	7826-0006-PR
30	1.685 (42.8)	1.401 (35.6)	5.01	40.76	7830-0006-PR
34	1.886 (47.9)	1.599 (40.6)	4.73	38.48	7834-0006-PR
40	2.185 (55.5)	1.901 (48.3)	5.92	48.17	7840-0006-PR
50	2.685 (68.2)	2.401 (61)	6.93	56.43	7850-0006-PR
60	3.185 (80.9)	2.901 (73.7)	7.60	61.85	7860-0006-PR

# 3M PCB Cable Assemblies



## Single Ended - Style 2

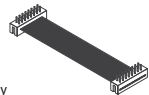


Connector Finish: Tin  
 \*MC = 3M Multi-Color, GR = 3M Gray

No. of Cont.	Length Inch (cm)	Ribbon Cable	Digi-Key Part No.	Pricing		
				1	10	100
10	6 (15.24)	MC	M2MXH-1006R-ND	3.34	29.26	215.59
	6 (15.24)	GR	M2MXH-1006J-ND	3.21	28.18	207.65
	18 (45.72)	MC	M2MXH-1018R-ND	3.90	34.20	251.98
	18 (45.72)	GR	M2MXH-1018J-ND	3.53	30.97	228.17
	36 (91.44)	MC	M2MXH-1036R-ND	4.74	41.60	306.56
36 (91.44)	GR	M2MXH-1036J-ND	4.01	35.14	258.93	
14	6 (15.24)	MC	M2MXH-1406R-ND	3.84	33.67	248.07
	6 (15.24)	GR	M2MXH-1406J-ND	3.65	31.97	235.57
	18 (45.72)	MC	M2MXH-1418R-ND	4.63	40.58	299.01
	18 (45.72)	GR	M2MXH-1418J-ND	4.05	35.49	261.52
	36 (91.44)	MC	M2MXH-1436R-ND	5.81	50.95	375.42
36 (91.44)	GR	M2MXH-1436J-ND	4.65	40.77	300.45	
16	6 (15.24)	MC	M2MXH-1606R-ND	3.96	34.73	255.91
	6 (15.24)	GR	M2MXH-1606J-ND	3.74	32.79	241.63
	18 (45.72)	MC	M2MXH-1618R-ND	4.86	42.63	314.12
	18 (45.72)	GR	M2MXH-1618J-ND	4.20	36.82	271.28
	36 (91.44)	MC	M2MXH-1636R-ND	6.21	54.48	401.44
36 (91.44)	GR	M2MXH-1636J-ND	4.89	42.85	315.76	
20	6 (15.24)	MC	M2MXH-2006R-ND	3.88	34.01	250.58
	6 (15.24)	GR	M2MXH-2006J-ND	3.60	31.59	232.74
	18 (45.72)	MC	M2MXH-2018R-ND	5.00	43.88	323.35
	18 (45.72)	GR	M2MXH-2018J-ND	4.18	36.62	269.81
	36 (91.44)	MC	M2MXH-2036R-ND	6.69	58.70	432.50
36 (91.44)	GR	M2MXH-2036J-ND	5.04	44.16	325.42	
26	6 (15.24)	MC	M2MXH-2606R-ND	5.02	44.04	324.50
	6 (15.24)	GR	M2MXH-2606J-ND	4.66	40.89	301.29
	18 (45.72)	MC	M2MXH-2618R-ND	6.49	56.88	419.10
	18 (45.72)	GR	M2MXH-2618J-ND	5.41	47.43	349.48
	36 (91.44)	MC	M2MXH-2636R-ND	8.68	76.13	560.99
36 (91.44)	GR	M2MXH-2636J-ND	6.53	57.24	421.76	
34	6 (15.24)	MC	M2MXH-3406R-ND	5.34	46.87	345.35
	6 (15.24)	GR	M2MXH-3406J-ND	4.88	42.75	315.01
	18 (45.72)	MC	M2MXH-3418R-ND	7.26	63.66	469.06
18 (45.72)	GR	M2MXH-3418J-ND	5.85	51.30	378.03	

No. of Cont.	Length Inch (cm)	Ribbon Cable	Digi-Key Part No.	Pricing		
				1	10	100
34	36 (91.44)	MC	M2MXH-3436R-ND	10.13	88.84	654.61
	36 (91.44)	GR	M2MXH-3436J-ND	7.31	64.13	472.56
40	6 (15.24)	MC	M2MXH-4006R-ND	6.62	58.04	427.67
	6 (15.24)	GR	M2MXH-4006J-ND	6.07	53.20	391.98
	18 (45.72)	MC	M2MXH-4018R-ND	8.87	77.79	573.20
	18 (45.72)	GR	M2MXH-4018J-ND	7.21	63.26	466.13
	36 (91.44)	MC	M2MXH-4036R-ND	12.25	107.42	791.49
	36 (91.44)	GR	M2MXH-4036J-ND	8.94	78.36	577.35
50	6 (15.24)	MC	M2MXH-5006R-ND	7.84	68.77	506.76
	6 (15.24)	GR	M2MXH-5006J-ND	7.15	62.72	462.13
	18 (45.72)	MC	M2MXH-5018R-ND	10.66	93.46	688.67
	18 (45.72)	GR	M2MXH-5018J-ND	8.59	75.29	554.80
	36 (91.44)	MC	M2MXH-5036R-ND	14.88	130.50	961.55
	36 (91.44)	GR	M2MXH-5036J-ND	10.74	94.16	693.80
60	6 (15.24)	MC	M2MXH-6006R-ND	8.74	76.66	564.85
	6 (15.24)	GR	M2MXH-6006J-ND	7.91	69.39	511.30
	18 (45.72)	MC	M2MXH-6018R-ND	12.12	106.28	783.14
	18 (45.72)	GR	M2MXH-6018J-ND	9.63	84.48	622.51
	36 (91.44)	MC	M2MXH-6036R-ND	17.19	150.72	1110.59
	36 (91.44)	GR	M2MXH-6036J-ND	12.22	107.12	789.33

## Double Ended - Style 6

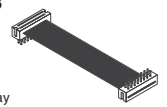


Connector Finish: Tin  
 \*MC = 3M Multi-Color, GR = 3M Gray

No. of Cont.	Length Inch (cm)	Ribbon Cable	Digi-Key Part No.	Pricing		
				1	10	100
10	6 (15.24)	MC	M6MMH-1006R-ND	6.39	56.05	412.99
	6 (15.24)	GR	M6MMH-1006J-ND	6.27	54.97	405.05
	18 (45.72)	MC	M6MMH-1018R-ND	6.95	60.99	449.38
	18 (45.72)	GR	M6MMH-1018J-ND	6.59	57.76	425.57
	36 (91.44)	MC	M6MMH-1036R-ND	7.80	68.39	503.96
36 (91.44)	GR	M6MMH-1036J-ND	7.06	61.93	456.33	
14	6 (15.24)	MC	M6MMH-1406R-ND	7.28	63.88	470.67
	6 (15.24)	GR	M6MMH-1406J-ND	7.09	62.18	458.17
	18 (45.72)	MC	M6MMH-1418R-ND	8.07	70.79	521.61
	18 (45.72)	GR	M6MMH-1418J-ND	7.49	65.70	484.12
	36 (91.44)	MC	M6MMH-1436R-ND	9.26	81.16	598.02
36 (91.44)	GR	M6MMH-1436J-ND	8.09	70.98	523.05	
16	6 (15.24)	MC	M6MMH-1606R-ND	7.47	65.51	482.71
	6 (15.24)	GR	M6MMH-1606J-ND	7.25	63.57	468.43
	18 (45.72)	MC	M6MMH-1618R-ND	8.37	73.41	540.92
	18 (45.72)	GR	M6MMH-1618J-ND	7.71	67.60	498.08
	36 (91.44)	MC	M6MMH-1636R-ND	9.72	85.26	628.24
36 (91.44)	GR	M6MMH-1636J-ND	8.40	73.63	542.56	
20	6 (15.24)	MC	M6MMH-2006R-ND	7.19	63.08	464.78
	6 (15.24)	GR	M6MMH-2006J-ND	6.92	60.66	446.94
	18 (45.72)	MC	M6MMH-2018R-ND	8.32	72.95	537.55
	18 (45.72)	GR	M6MMH-2018J-ND	7.49	65.69	484.01
	36 (91.44)	MC	M6MMH-2036R-ND	10.01	87.77	646.70
36 (91.44)	GR	M6MMH-2036J-ND	8.35	73.23	539.62	
26	6 (15.24)	MC	M6MMH-2606R-ND	9.31	81.66	601.70
	6 (15.24)	GR	M6MMH-2606J-ND	8.95	78.51	578.49
	18 (45.72)	MC	M6MMH-2618R-ND	10.78	94.50	696.30
	18 (45.72)	GR	M6MMH-2618J-ND	9.70	85.05	626.68
	36 (91.44)	MC	M6MMH-2636R-ND	12.97	113.75	838.19
36 (91.44)	GR	M6MMH-2636J-ND	10.82	94.86	698.96	
34	6 (15.24)	MC	M6MMH-3406R-ND	9.73	85.34	628.85
	6 (15.24)	GR	M6MMH-3406J-ND	9.26	81.23	598.51
	18 (45.72)	MC	M6MMH-3418R-ND	11.65	102.13	752.56
	18 (45.72)	GR	M6MMH-3418J-ND	10.24	89.78	661.53
	36 (91.44)	MC	M6MMH-3436R-ND	14.52	127.32	938.11
36 (91.44)	GR	M6MMH-3436J-ND	11.70	102.61	756.06	
40	6 (15.24)	MC	M6MMH-4006R-ND	12.11	106.21	782.57
	6 (15.24)	GR	M6MMH-4006J-ND	11.56	101.36	746.88
	18 (45.72)	MC	M6MMH-4018R-ND	14.36	125.96	928.10
	18 (45.72)	GR	M6MMH-4018J-ND	12.71	111.43	821.03
	36 (91.44)	MC	M6MMH-4036R-ND	17.74	155.58	1146.39
36 (91.44)	GR	M6MMH-4036J-ND	14.43	126.52	932.25	

No. of Cont.	Length Inch (cm)	Ribbon Cable	Digi-Key Part No.	Pricing		
				1	10	100
50	6 (15.24)	MC	M6MMH-5006R-ND	14.28	125.20	922.56
	6 (15.24)	GR	M6MMH-5006J-ND	13.59	119.15	877.93
	18 (45.72)	MC	M6MMH-5018R-ND	17.09	149.89	1104.47
	18 (45.72)	GR	M6MMH-5018J-ND	15.02	131.72	970.60
	36 (91.44)	MC	M6MMH-5036R-ND	21.32	186.93	1377.35
36 (91.44)	GR	M6MMH-5036J-ND	17.17	150.59	1109.60	
60	6 (15.24)	MC	M6MMH-6006R-ND	15.79	138.50	1020.55
	6 (15.24)	GR	M6MMH-6006J-ND	14.97	131.24	967.00
	18 (45.72)	MC	M6MMH-6018R-ND	19.17	168.13	1238.84
	18 (45.72)	GR	M6MMH-6018J-ND	16.69	146.33	1078.21
	36 (91.44)	MC	M6MMH-6036R-ND	24.24	212.57	1566.29
36 (91.44)	GR	M6MMH-6036J-ND	19.27	168.97	1245.03	

## Double Ended - Style 8



Connector Finish: Tin  
 \*MC = 3M Multi-Color, GR = 3M Gray

No. of Cont.	Length Inch (cm)	Ribbon Cable	Digi-Key Part No.	Pricing		
				1	10	100
10	6 (15.24)	MC	M8MMH-1006R-ND	6.39	56.05	412.99
	6 (15.24)	GR	M8MMH-1006J-ND	6.27	54.97	405.05
	18 (45.72)	MC	M8MMH-1018R-ND	6.95	60.99	449.38
	18 (45.72)	GR	M8MMH-1018J-ND	6.59	57.76	425.57
	36 (91.44)	MC	M8MMH-1036R-ND	7.80	68.39	503.96
36 (91.44)	GR	M8MMH-1036J-ND	7.06	61.93	456.33	
14	6 (15.24)	MC	M8MMH-1406R-ND	7.28	63.88	470.67
	6 (15.24)	GR	M8MMH-1406J-ND	7.09	62.18	458.17
	18 (45.72)	MC	M8MMH-1418R-ND	8.07	70.79	521.61
	18 (45.72)	GR	M8MMH-1418J-ND	7.49	65.70	484.12
	36 (91.44)	MC	M8MMH-1436R-ND	9.26	81.16	598.02
36 (91.44)	GR					