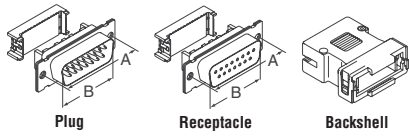


### 3M D-Subminiature Connectors



Wire Accommodation: 26 and 28AWG solid or stranded  
Order strain reliefs separately.

**Physical Specifications:**

- Contact Material: Beryllium copper plating
- Underplate: 50µm nickel, QQ-N-290, Class 2
- Wiping Area: 30µm gold, MIL-G-45204, Type II, Grade C
- Shell Material: Steel
- Plating: Tin
- Strain Relief Material: Stainless steel, .016" (.41mm) thick
- Marking: 3M logo and contact position number

**Electrical Specifications:**

- Current Rating: 1A
- Insulation Resistance: >1x10<sup>9</sup>Ω @ 500VDC
- Withstanding Voltage: 1000VFRMS @ sea level

**Environmental Specifications:**

- Temperature Rating: -55°C - 105°C
- UL File No.: E68080; CSA File No.: LR-40971

No. of Cont.	Dimensions - Inch (mm)		Digi-Key Part No.	Pricing		3M Part No.
	A	B		1	10	
<b>Plugs with flange, thru-hole style, Male</b>						
9	.98 (24.89)	.67 (17.02)	MMR09K-ND	5.01	42.18	8209-6000
15	1.31 (33.27)	1.00 (25.40)	MMR15K-ND	5.70	47.95	8215-6000
25	1.85 (46.99)	1.54 (39.12)	MMR25K-ND	6.47	54.43	8225-6000
37	2.50 (63.50)	2.18 (55.37)	MMR37K-ND	8.36	70.35	8237-6000
<b>Plugs with 4-40 threaded insert, Male</b>						
9	.98 (24.89)	.67 (17.02)	MML09K-ND	5.20	43.75	8209-6003
15	1.31 (33.27)	1.00 (25.40)	MML15K-ND	6.82	57.40	8215-6003
25	1.85 (46.99)	1.54 (39.12)	MML25K-ND	7.36	61.95	8225-6003
37	2.50 (63.50)	2.18 (55.37)	MML37K-ND	9.13	76.83	8237-6003
50	2.40 (60.96)	2.074 (52.68)	MML50K-ND	18.20	153.13	8250-6005
<b>Receptacles with flange, thru-hole style, Female</b>						
9	.98 (24.89)	.67 (17.02)	MFR09K-ND	4.28	36.05	8309-6000
15	1.31 (33.27)	.97 (24.64)	MFR15K-ND	4.91	41.30	8315-6000
25	1.85 (46.99)	1.51 (38.35)	MFR25K-ND	6.57	55.30	8325-6000
37	2.50 (63.50)	2.16 (54.86)	MFR37K-ND	8.49	71.40	8337-6000
<b>Receptacles with 4-40 threaded insert, Female</b>						
9	.98 (24.89)	.67 (17.02)	MFL09K-ND	5.32	44.80	8309-6003
15	1.31 (33.27)	.97 (24.64)	MFL15K-ND	7.03	59.15	8315-6003
25	1.85 (46.99)	1.51 (38.35)	MFL25K-ND	7.47	62.83	8325-6003
37	2.50 (63.50)	2.16 (54.86)	MFL37K-ND	9.13	76.83	8337-6003
50	2.40 (60.96)	2.068 (52.53)	MFL50K-ND	18.20	153.13	8350-6005
<b>Backshells</b>						
9	—	—	MDBF09-ND	3.58	30.10	3485-2100F
15	—	—	MDBF15-ND	3.58	30.10	3485-2200F
25	—	—	MDBF25-ND	3.58	30.10	3485-2300F
37	—	—	MDBF37-ND	4.18	35.18	3485-2400F
50	—	—	MDBF50-ND	3.58	30.10	3485-2500F
<b>Strain Relief</b>						
9	—	—	MDSR09-ND	.25	2.10	3448-8D09A
15	—	—	MDSR15-ND	.33	2.80	3448-8D15A
25	—	—	MDSR25-ND	.33	2.80	3448-8D25A
37	—	—	MDSR37-ND	.33	2.80	3448-8D37A
50	—	—	MDSR50-ND	.62	5.25	3448-8D50A

### D-Sub Cable Assemblies



**Single Ended Male**



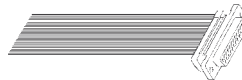
\*MC = 3M Multi-Color, GR = 3M Gray  
Metal shell with strain relief shown.

No. of Con-tacts	Conn. Finish	Length Feet (Meters)	Rib-bon* Cable	Digi-Key Part No.	Pricing	
					1	10
9	Au 30µm	6 (1.83)	MC	M7PXX-0906R-ND	11.60	101.73
	Au 30µm	6 (1.83)	GR	M7PXX-0906J-ND	10.13	88.81
	Au 30µm	10 (3.05)	MC	M7PXX-0910R-ND	13.85	121.49
	Au 30µm	10 (3.05)	GR	M7PXX-0910J-ND	11.40	99.94

No. of Con-tacts	Conn. Finish	Length Feet (Meters)	Rib-bon* Cable	Digi-Key Part No.	Pricing	
					1	10
15	Au 30µm	6 (1.83)	MC	M7PXX-1506R-ND	14.83	130.05
	Au 30µm	6 (1.83)	GR	M7PXX-1506J-ND	12.18	106.80
	Au 30µm	10 (3.05)	MC	M7PXX-1510R-ND	18.43	161.65
	Au 30µm	10 (3.05)	GR	M7PXX-1510J-ND	14.01	122.89
25	Au 30µm	6 (1.83)	MC	M7PXX-2506R-ND	19.41	170.22
	Au 30µm	6 (1.83)	GR	M7PXX-2506J-ND	15.10	132.43
	Au 30µm	10 (3.05)	MC	M7PXX-2510R-ND	25.27	221.58
	Au 30µm	10 (3.05)	GR	M7PXX-2510J-ND	18.09	158.59
37	Au 30µm	6 (1.83)	MC	M7PXX-3706R-ND	26.09	228.75
	Au 30µm	6 (1.83)	GR	M7PXX-3706J-ND	19.95	174.98
	Au 30µm	10 (3.05)	MC	M7PXX-3710R-ND	34.42	301.82
	Au 30µm	10 (3.05)	GR	M7PXX-3710J-ND	24.20	212.21

Also available in the following configurations:  
M7NXX-□□□□-ND - Metal Shell Connector with Threaded Insert  
M7VXX-□□□□-ND - Metal Shell Connector with Threaded Insert and Strain Relief  
Call for complete part number and pricing!

**Single Ended Female**



\*MC = 3M Multi-Color, GR = 3M Gray  
Metal shell with strain relief shown.

No. of Con-tacts	Conn. Finish	Length Feet (Meters)	Rib-bon* Cable	Digi-Key Part No.	Pricing	
					1	10
9	Au 30µm	6 (1.83)	MC	M7SXX-0906R-ND	10.46	91.76
	Au 30µm	6 (1.83)	GR	M7SXX-0906J-ND	8.99	78.83
	Au 30µm	10 (3.05)	MC	M7SXX-0910R-ND	12.72	111.51
	Au 30µm	10 (3.05)	GR	M7SXX-0910J-ND	10.26	89.97
15	Au 30µm	6 (1.83)	MC	M7SXX-1506R-ND	13.60	119.22
	Au 30µm	6 (1.83)	GR	M7SXX-1506J-ND	10.94	95.97
	Au 30µm	10 (3.05)	MC	M7SXX-1510R-ND	17.20	150.82
	Au 30µm	10 (3.05)	GR	M7SXX-1510J-ND	12.78	112.06
25	Au 30µm	6 (1.83)	MC	M7SXX-2506R-ND	19.57	171.65
	Au 30µm	6 (1.83)	GR	M7SXX-2506J-ND	15.26	133.86
	Au 30µm	10 (3.05)	MC	M7SXX-2510R-ND	25.43	223.00
	Au 30µm	10 (3.05)	GR	M7SXX-2510J-ND	18.25	160.02
37	Au 30µm	6 (1.83)	MC	M7SXX-3706R-ND	26.28	230.46
	Au 30µm	6 (1.83)	GR	M7SXX-3706J-ND	20.15	176.69
	Au 30µm	10 (3.05)	MC	M7SXX-3710R-ND	34.61	303.53
	Au 30µm	10 (3.05)	GR	M7SXX-3710J-ND	24.39	213.92

Also available in the following configurations:  
M7OXK-□□□□-ND - Metal Shell Connector with Threaded Insert  
M7WXK-□□□□-ND - Metal Shell Connector with Threaded Insert and Strain Relief  
Call for complete part number and pricing!

**Male to Male**



\*MC = 3M Multi-Color, GR = 3M Gray  
Metal shell with strain relief shown.

No. of Con-tacts	Conn. Finish	Length Feet (Meters)	Rib-bon* Cable	Digi-Key Part No.	Pricing	
					1	10
9	Au 30µm	6 (1.83)	MC	M7PPK-0906R-ND	19.82	173.84
	Au 30µm	6 (1.83)	GR	M7PPK-0906J-ND	18.35	160.91
	Au 30µm	10 (3.05)	MC	M7PPK-0910R-ND	22.08	193.59
	Au 30µm	10 (3.05)	GR	M7PPK-0910J-ND	19.62	172.05
15	Au 30µm	6 (1.83)	MC	M7PPK-1506R-ND	24.26	212.70
	Au 30µm	6 (1.83)	GR	M7PPK-1506J-ND	21.60	189.45
	Au 30µm	10 (3.05)	MC	M7PPK-1510R-ND	27.86	244.30
	Au 30µm	10 (3.05)	GR	M7PPK-1510J-ND	23.44	205.54
25	Au 30µm	6 (1.83)	MC	M7PPK-2506R-ND	30.04	263.42
	Au 30µm	6 (1.83)	GR	M7PPK-2506J-ND	25.73	225.63
	Au 30µm	10 (3.05)	MC	M7PPK-2510R-ND	35.90	314.77
	Au 30µm	10 (3.05)	GR	M7PPK-2510J-ND	28.71	251.79

No. of Con-tacts	Conn. Finish	Length Feet (Meters)	Rib-bon* Cable	Digi-Key Part No.	Pricing	
					1	10
37	Au 30µm	6 (1.83)	MC	M7PPK-3706R-ND	39.67	347.88
	Au 30µm	6 (1.83)	GR	M7PPK-3706J-ND	33.54	294.11
	Au 30µm	10 (3.05)	MC	M7PPK-3710R-ND	48.00	420.95
	Au 30µm	10 (3.05)	GR	M7PPK-3710J-ND	37.78	331.34

Also available in the following configurations:

M7NNK-□□□□-ND - Metal Shell Connector with Threaded Insert  
M7VVK-□□□□-ND - Metal Shell Connector with Threaded Insert and Strain Relief

Call for complete part number and pricing!

**Female to Female**



\*MC = 3M Multi-Color, GR = 3M Gray  
Metal shell with strain relief shown.

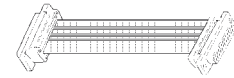
No. of Con-tacts	Conn. Finish	Length Feet (Meters)	Rib-bon* Cable	Digi-Key Part No.	Pricing	
					1	10
9	Au 30µm	6 (1.83)	MC	M7SSK-0906R-ND	17.55	153.89
	Au 30µm	6 (1.83)	GR	M7SSK-0906J-ND	16.07	140.96
	Au 30µm	10 (3.05)	MC	M7SSK-0910R-ND	19.80	173.64
	Au 30µm	10 (3.05)	GR	M7SSK-0910J-ND	17.34	152.10
15	Au 30µm	6 (1.83)	MC	M7SSK-1506R-ND	21.79	191.04
	Au 30µm	6 (1.83)	GR	M7SSK-1506J-ND	19.13	167.79
	Au 30µm	10 (3.05)	MC	M7SSK-1510R-ND	25.39	222.64
	Au 30µm	10 (3.05)	GR	M7SSK-1510J-ND	20.97	183.88
25	Au 30µm	6 (1.83)	MC	M7SSK-2506R-ND	30.36	266.27
	Au 30µm	6 (1.83)	GR	M7SSK-2506J-ND	26.05	228.48
	Au 30µm	10 (3.05)	MC	M7SSK-2510R-ND	36.22	317.62
	Au 30µm	10 (3.05)	GR	M7SSK-2510J-ND	29.04	254.64
37	Au 30µm	6 (1.83)	MC	M7SSK-3706R-ND	40.06	351.30
	Au 30µm	6 (1.83)	GR	M7SSK-3706J-ND	33.93	297.53
	Au 30µm	10 (3.05)	MC	M7SSK-3710R-ND	48.39	424.37
	Au 30µm	10 (3.05)	GR	M7SSK-3710J-ND	38.17	334.76

Also available in the following configurations:

M7OOK-□□□□-ND - Metal Shell Connector with Threaded Insert  
M7WVK-□□□□-ND - Metal Shell Connector with Threaded Insert and Strain Relief

Call for complete part number and pricing!

**Male to Female**



\*MC = 3M Multi-Color, GR = 3M Gray  
Metal shell with strain relief shown.

No. of Con-tacts	Conn. Finish	Length Feet (Meters)	Rib-bon* Cable	Digi-Key Part No.	Pricing	
					1	10
9	Au 30µm	6 (1.83)	MC	M7PSK-0906R-ND	18.69	163.86
	Au 30µm	6 (1.83)	GR	M7PSK-0906J-ND	17.21	150.94
	Au 30µm	10 (3.05)	MC	M7PSK-0910R-ND	20.94	183.62
	Au 30µm	10 (3.05)	GR	M7PSK-0910J-ND	18.48	162.07
15	Au 30µm	6 (1.83)	MC	M7PSK-1506R-ND	23.02	201.87
	Au 30µm	6 (1.83)	GR	M7PSK-1506J-ND	20.37	178.62
	Au 30µm	10 (3.05)	MC	M7PSK-1510R-ND	26.62	233.47
	Au 30µm	10 (3.05)	GR	M7PSK-1510J-ND	22.20	194.71
25	Au 30µm	6 (1.83)	MC	M7PSK-2506R-ND	30.20	264.84
	Au 30µm	6 (1.83)	GR	M7PSK-2506J-ND	25.89	227.05
	Au 30µm	10 (3.05)	MC	M7PSK-2510R-ND	36.06	316.20
	Au 30µm	10 (3.05)	GR	M7PSK-2510J-ND	28.88	253.21
37	Au 30µm	6 (1.83)	MC	M7PSK-3706R-ND	39.87	349.59
	Au 30µm	6 (1.83)	GR	M		