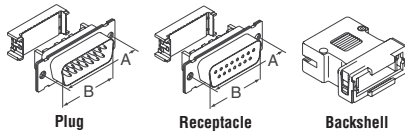


### 3M D-Subminiature Connectors



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:**

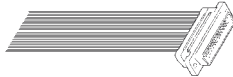
- Temperature Rating: -55°C - 105°C
- UL File No.: E68080; CSA File No.: LR-40971

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	3.79	31.89	8209-6000
15	1.31 (33.27)	1.00 (25.40)	MMR15K-ND	4.31	36.21	8215-6000
25	1.85 (46.99)	1.54 (39.12)	MMR25K-ND	4.88	41.04	8225-6000
37	2.50 (63.50)	2.18 (55.37)	MMR37K-ND	6.31	53.11	8237-6000
<b>Plugs with 4-40 threaded insert, Male</b>						
9	.98 (24.89)	.67 (17.02)	MMLO9K-ND	3.93	33.03	8209-6003
15	1.31 (33.27)	1.00 (25.40)	MMLL15K-ND	5.15	43.33	8215-6003
25	1.85 (46.99)	1.54 (39.12)	MMML25K-ND	5.55	46.75	8225-6003
37	2.50 (63.50)	2.18 (55.37)	MMML37K-ND	6.90	58.07	8237-6003
50	2.40 (60.96)	2.074 (52.68)	MMML50K-ND	15.13	127.30	8250-6005
<b>Receptacles with flange, thru-hole style, Female</b>						
9	.98 (24.89)	.67 (17.02)	MFR09K-ND	3.23	27.19	8309-6000
15	1.31 (33.27)	.97 (24.64)	MFR15K-ND	3.70	31.13	8315-6000
25	1.85 (46.99)	1.51 (38.35)	MFR25K-ND	4.97	41.80	8325-6000
37	2.50 (63.50)	2.16 (54.86)	MFR37K-ND	6.40	53.87	8337-6000
<b>Receptacles with 4-40 threaded insert, Female</b>						
9	.98 (24.89)	.67 (17.02)	MFL09K-ND	4.01	33.80	8309-6003
15	1.31 (33.27)	.97 (24.64)	MFL15K-ND	5.31	44.72	8315-6003
25	1.85 (46.99)	1.51 (38.35)	MFL25K-ND	5.63	47.39	8325-6003
37	2.50 (63.50)	2.16 (54.86)	MFL37K-ND	6.90	58.07	8337-6003
50	2.40 (60.96)	2.068 (52.53)	MFL50K-ND	15.13	127.30	8350-6005
<b>Backshells</b>						
9	—	—	MDBF09-ND	2.73	23.00	3485-2100F
15	—	—	MDBF15-ND	2.90	24.39	3485-2200F
25	—	—	MDBF25-ND	2.90	24.39	3485-2300F
37	—	—	MDBF37-ND	3.38	28.46	3485-2400F
50	—	—	MDBF50-ND	2.69	22.61	3485-2500F
<b>Strain Relief</b>						
9	—	—	MDSR09-ND	.18	1.52	3448-8D09A
15	—	—	MDSR15-ND	.63	5.34	3448-8D15A
25	—	—	MDSR25-ND	.24	2.03	3448-8D25A
37	—	—	MDSR37-ND	.24	2.03	3448-8D37A
50	—	—	MDSR50-ND	.54	4.57	3448-8D50A

### D-Sub Cable Assemblies



**Single Ended Male**



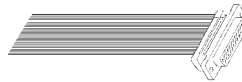
\*MC = 3M Multi-Color, GR = 3M Gray  
Metal shell with strain relief shown.

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	M7PPK-0906R-ND	8.66	75.93
	Au 30µm	6 (1.83)	GR	M7PPK-0906J-ND	7.59	66.55
	Au 30µm	10 (3.05)	MC	M7PPK-0910R-ND	10.29	90.27
	Au 30µm	10 (3.05)	GR	M7PPK-0910J-ND	8.51	74.63

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	M7PPK-1506R-ND	11.64	102.08
	Au 30µm	6 (1.83)	GR	M7PPK-1506J-ND	9.71	85.19
	Au 30µm	10 (3.05)	MC	M7PPK-1510R-ND	14.26	125.02
	Au 30µm	10 (3.05)	GR	M7PPK-1510J-ND	11.05	96.88
25	Au 30µm	6 (1.83)	MC	M7PPK-2506R-ND	14.37	126.06
	Au 30µm	6 (1.83)	GR	M7PPK-2506J-ND	11.25	98.63
	Au 30µm	10 (3.05)	MC	M7PPK-2510R-ND	18.63	163.35
	Au 30µm	10 (3.05)	GR	M7PPK-2510J-ND	13.42	117.62
37	Au 30µm	6 (1.83)	MC	M7PPK-3706R-ND	19.32	169.38
	Au 30µm	6 (1.83)	GR	M7PPK-3706J-ND	14.86	130.35
	Au 30µm	10 (3.05)	MC	M7PPK-3710R-ND	25.37	222.43
	Au 30µm	10 (3.05)	GR	M7PPK-3710J-ND	17.95	157.38

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	7.78	68.27
	Au 30µm	6 (1.83)	GR	M7SXX-0906J-ND	6.72	58.89
	Au 30µm	10 (3.05)	MC	M7SXX-0910R-ND	9.42	82.61
	Au 30µm	10 (3.05)	GR	M7SXX-0910J-ND	7.64	66.97
15	Au 30µm	6 (1.83)	MC	M7SXX-1506R-ND	10.69	93.80
	Au 30µm	6 (1.83)	GR	M7SXX-1506J-ND	8.77	76.91
	Au 30µm	10 (3.05)	MC	M7SXX-1510R-ND	13.31	116.74
	Au 30µm	10 (3.05)	GR	M7SXX-1510J-ND	10.11	88.60
25	Au 30µm	6 (1.83)	MC	M7SXX-2506R-ND	14.52	127.30
	Au 30µm	6 (1.83)	GR	M7SXX-2506J-ND	11.39	99.87
	Au 30µm	10 (3.05)	MC	M7SXX-2510R-ND	18.77	164.59
	Au 30µm	10 (3.05)	GR	M7SXX-2510J-ND	13.55	118.86
37	Au 30µm	6 (1.83)	MC	M7SXX-3706R-ND	19.46	170.62
	Au 30µm	6 (1.83)	GR	M7SXX-3706J-ND	15.01	131.59
	Au 30µm	10 (3.05)	MC	M7SXX-3710R-ND	25.50	223.67
	Au 30µm	10 (3.05)	GR	M7SXX-3710J-ND	18.08	158.62

Also available in the following configurations:  
M7OXX-□□□□□-ND - Metal Shell Connector with Threaded Insert  
M7WXX-□□□□□-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	14.86	130.35
	Au 30µm	6 (1.83)	GR	M7PPK-0906J-ND	13.79	120.96
	Au 30µm	10 (3.05)	MC	M7PPK-0910R-ND	16.50	144.68
	Au 30µm	10 (3.05)	GR	M7PPK-0910J-ND	14.72	129.05
15	Au 30µm	6 (1.83)	MC	M7PPK-1506R-ND	19.36	169.73
	Au 30µm	6 (1.83)	GR	M7PPK-1506J-ND	17.43	152.85
	Au 30µm	10 (3.05)	MC	M7PPK-1510R-ND	21.97	192.67
	Au 30µm	10 (3.05)	GR	M7PPK-1510J-ND	18.76	164.53
25	Au 30µm	6 (1.83)	MC	M7PPK-2506R-ND	22.38	196.21
	Au 30µm	6 (1.83)	GR	M7PPK-2506J-ND	19.25	168.77
	Au 30µm	10 (3.05)	MC	M7PPK-2510R-ND	26.63	233.49
	Au 30µm	10 (3.05)	GR	M7PPK-2510J-ND	21.41	187.77

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	29.56	259.18
	Au 30µm	6 (1.83)	GR	M7PPK-3706J-ND	25.11	220.14
	Au 30µm	10 (3.05)	MC	M7PPK-3710R-ND	35.60	312.23
	Au 30µm	10 (3.05)	GR	M7PPK-3710J-ND	28.18	247.17

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.

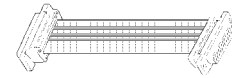
No. of Con-tacts	Conn. Finish	Length Feet (Meters)	Rib-bon* Cable	Digi-Key Part No.	Pricing	
					1	10
9	Au 30µm	6 (1.83)	MC	M7SSK-0906R-ND	13.12	115.03
	Au 30µm	6 (1.83)	GR	M7SSK-0906J-ND	12.04	105.65
	Au 30µm	10 (3.05)	MC	M7SSK-0910R-ND	14.75	129.37
	Au 30µm	10 (3.05)	GR	M7SSK-0910J-ND	12.97	113.74
15	Au 30µm	6 (1.83)	MC	M7SSK-1506R-ND	17.47	153.18
	Au 30µm	6 (1.83)	GR	M7SSK-1506J-ND	15.54	136.30
	Au 30µm	10 (3.05)	MC	M7SSK-1510R-ND	20.08	176.12
	Au 30µm	10 (3.05)	GR	M7SSK-1510J-ND	16.87	147.98
25	Au 30µm	6 (1.83)	MC	M7SSK-2506R-ND	22.66	198.69
	Au 30µm	6 (1.83)	GR	M7SSK-2506J-ND	19.53	171.26
	Au 30µm	10 (3.05)	MC	M7SSK-2510R-ND	26.91	235.97
	Au 30µm	10 (3.05)	GR	M7SSK-2510J-ND	21.69	190.25
37	Au 30µm	6 (1.83)	MC	M7SSK-3706R-ND	29.84	261.66
	Au 30µm	6 (1.83)	GR	M7SSK-3706J-ND	25.39	222.63
	Au 30µm	10 (3.05)	MC	M7SSK-3710R-ND	35.89	314.71
	Au 30µm	10 (3.05)	GR	M7SSK-3710J-ND	28.47	249.66

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	13.99	122.69
	Au 30µm	6 (1.83)	GR	M7PSK-0906J-ND	12.92	113.31
	Au 30µm	10 (3.05)	MC	M7PSK-0910R-ND	15.62	137.03
	Au 30µm	10 (3.05)	GR	M7PSK-0910J-ND	13.84	121.39
15	Au 30µm	6 (1.83)	MC	M7PSK-1506R-ND	18.41	161.46
	Au 30µm	6 (1.83)	GR	M7PSK-1506J-ND	16.49	144.58
	Au 30µm	10 (3.05)	MC	M7PSK-1510R-ND	21.02	184.40
	Au 30µm	10 (3.05)	GR	M7PSK-1510J-ND	17.82	156.26
25	Au 30µm	6 (1.83)	MC	M7PSK-2506R-ND	22.51	197.45
	Au 30µm	6 (1.83)	GR	M7PSK-2506J-ND	19.38	170.01
	Au 30µm	10 (3.05)	MC	M7PSK-2510R-ND	26.77	234.73
	Au 30µm	10 (3.05)	GR	M7PSK-2510J-ND	21.55	189.01
37	Au 30µm	6 (1.83)	MC	M7PSK-3706R-ND	29.70	260.42
	Au 30µm	6 (1.83)	GR	M7PSK-3		