

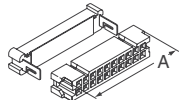
## 3M .100" x .100" (2.54mm x 2.54mm) Socket Connectors



Wire Accommodation: 26, 28, 30AWG solid or stranded.

**Physical Specifications:** • Insulation Material: Glass reinforced polyester • Flammability Rating: UL94V-0 • Color: Gray • Contact Material: Beryllium copper • Plating: 30µ" gold

• Wire Accommodation: 26 and 28AWG solid or stranded, 30AWG solid • Marking: 3M logo, part identification number and orientation triangle **Electrical Specifications:** • Current Rating: 1A • Insulation Resistance: >1x10<sup>10</sup> Ω @ 500VDC • Withstanding Voltage: 1000VRMS @ sea level **Environmental Specifications:** • Temperature Rating: -55°C ~ 105°C • UL File No.: E68080; CSA File No.: LR-40971



No. of Contacts	Dim. A Inch (mm)	Digi-Key Part No.	Pricing 1 10	3M Part No.
<b>Polarizing Slots (Open End)</b>				
10	.68 (17.27)	MSC10K-ND	1.45 12.20	3473-6000
14	.88 (22.35)	MSC14K-ND	1.75 14.74	3385-6000
16	.98 (24.89)	MSC16K-ND	1.92 16.14	3452-6000
20	1.18 (29.97)	MSC20K-ND	2.11 17.79	3421-6000
24	1.38 (35.05)	MSC24K-ND	2.53 21.34	3626-6000
26	1.48 (37.59)	MSC26K-ND	2.73 23.00	3399-6000
30	1.68 (42.67)	MSC30K-ND	3.14 26.43	3419-6000
34	1.88 (47.75)	MSC34K-ND	3.56 29.98	3414-6000
40	2.18 (55.37)	MSC40K-ND	4.18 35.20	3417-6000
50	2.68 (68.07)	MSC50K-ND	5.23 43.96	3425-6000
60	3.18 (80.77)	MSC60K-ND	6.48 54.51	3334-6000

No. of Contacts	Dim. A Inch (mm)	Digi-Key Part No.	Pricing 1 10	3M Part No.
<b>Center-Bumped Polarizing (Open End)</b>				
10	.68 (17.27)	MKC10K-ND	1.45 12.20	3473-6600
14	.88 (22.35)	MKC14K-ND	1.75 14.74	3385-6600
16	.98 (24.89)	MKC16K-ND	1.92 16.14	3452-6600
20	1.18 (29.97)	MKC20K-ND	2.11 17.79	3421-6600
24	1.38 (35.05)	MKC24K-ND	2.53 21.34	3626-6600
26	1.48 (37.59)	MKC26K-ND	2.73 23.00	3399-6600
30	1.68 (42.67)	MKC30K-ND	3.14 26.43	3419-6600
34	1.88 (47.75)	MKC34K-ND	3.56 29.98	3414-6600
40	2.18 (55.37)	MKC40K-ND	4.18 35.20	3417-6600
50	2.68 (68.07)	MKC50K-ND	5.23 43.96	3425-6600
60	3.18 (80.77)	MKC60K-ND	6.48 54.51	3334-6600

No. of Contacts	Dim. A Inch (mm)	Digi-Key Part No.	Pricing 1 10	3M Part No.
<b>Center-Bumped Polarizing (Closed End)</b>				
10	.68 (17.27)	MSD10K-ND	1.54 12.96	3473-7600
14	.88 (22.35)	MSD14K-ND	1.93 16.26	3385-7600
16	.98 (24.89)	MSD16K-ND	2.03 17.02	3452-7600
20	1.18 (29.97)	MSD20K-ND	2.22 18.68	3421-7600
24	1.38 (35.05)	MSD24K-ND	2.66 22.36	3626-7600
26	1.48 (37.59)	MSD26K-ND	2.88 24.27	3399-7600
30	1.68 (42.67)	MSD30K-ND	3.31 27.83	3419-7600
34	1.88 (47.75)	MSD34K-ND	3.72 31.25	3414-7600
40	2.18 (55.37)	MSD40K-ND	4.36 36.72	3417-7600
50	2.68 (68.07)	MSD50K-ND	5.44 45.74	3425-7600
60	3.18 (80.77)	MSD60K-ND	6.72 56.54	3334-7600

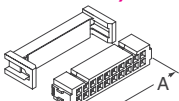
No. of Contacts	Dim. A Inch (mm)	Digi-Key Part No.	Pricing 1 10	3M Part No.
<b>Cable Strain Relief/Stabilizer</b>				
10	—	MSSR10-ND	.18 1.52	3448-3010
14	—	MSSR14-ND	.18 1.52	3448-3014
16	—	MSSR16-ND	.18 1.52	3448-3016
20	—	MSSR20-ND	.18 1.52	3448-3020
24	—	MSSR24-ND	.24 2.03	3448-3024
26	—	MSSR26-ND	.18 1.52	3448-3026
30	—	MSSR30-ND	.33 2.80	3448-3030
34	—	MSSR34-ND	.18 1.52	3448-3034
40	—	MSSR40-ND	.18 1.52	3448-3040
50	—	MSSR50-ND	.18 1.52	3448-3050
60	—	MSSR60-ND	.20 1.66	3448-3060

## 3M 891 Series and D89 Series .100" x .100" (2.54mm x 2.54mm) Socket Connectors



These high-quality, standard-performance IDC sockets minimize applied assembly costs without sacrificing reliability. These interconnects also offer the quality and reliability you'd expect from 3M. They have been engineered with a "systems" approach that has a positive impact on your process and product costs. **Physical Specifications:** • Insulation Material: Glass reinforced polyester (PBT) • Flammability Rating: UL94V-0 • Marking: Molded Figures: 3M logo and orientation triangle • Pins: Phosphor bronze • Wire Accommodation: 26AWG solid or stranded, 30AWG solid

**891 Series:** • Color: Gray • Contact Plating: Wipe Area: 30µ" gold • Underplate: 50µ" nickel, QQ-N-290, Class 2 **D89 Series:** • Color: Black • Contact Plating: Wipe area: 10µ" gold • Underplate: 50µ" nickel **Electrical Specifications:** • Current Rating: 1A • Insulation Resistance: >1x10<sup>10</sup> Ω @ 500VDC • Withstanding Voltage: 1000VRMS @ Sea Level **Environmental Specifications:** • Operating Temperature: -55°C ~ 105°C • UL File No.: E68080



No. of Contacts	Dim. A Inch (mm)	Digi-Key Part No.	Pricing 1 10	3M Part No.
<b>891 Series, without Center Bump - 30µ" Gold</b>				
10	.68 (17.3)	MSC10A-ND	.79 6.42	89110-0001
14	.88 (22.4)	MSC14A-ND	.81 6.62	89114-0001
16	.98 (24.9)	MSC16A-ND	.84 6.83	89116-0001
20	1.18 (30.0)	MSC20A-ND	.91 7.45	89120-0001
24	1.38 (35.1)	MSC24A-ND	1.20 9.73	89124-0001
26	1.48 (37.6)	MSC26A-ND	1.05 8.49	89126-0001
30	1.68 (42.7)	MSC30A-ND	1.17 9.52	89130-0001
34	1.88 (47.8)	MSC34A-ND	1.17 9.52	89134-0001
40	2.18 (55.4)	MSC40A-ND	1.58 12.83	89140-0001
50	2.68 (68.1)	MSC50A-ND	1.71 13.87	89150-0001
60	3.18 (80.8)	MSC60A-ND	1.76 14.28	89160-0001

No. of Contacts	Dim. A Inch (mm)	Digi-Key Part No.	Pricing 1 10	3M Part No.
<b>891 Series, with Center Bump - 30µ" Gold</b>				
10	.68 (17.3)	MKC10A-ND	.79 6.42	89110-0101
14	.88 (22.4)	MKC14A-ND	.81 6.62	89114-0101
16	.98 (24.9)	MKC16A-ND	.84 6.83	89116-0101
20	1.18 (30.0)	MKC20A-ND	.91 7.45	89120-0101
24	1.38 (35.1)	MKC24A-ND	1.20 9.73	89124-0101
26	1.48 (37.6)	MKC26A-ND	1.05 8.49	89126-0101
30	1.68 (42.7)	MKC30A-ND	1.17 9.52	89130-0101
34	1.88 (47.8)	MKC34A-ND	1.17 9.52	89134-0101
40	2.18 (55.4)	MKC40A-ND	1.58 12.83	89140-0101
50	2.68 (68.1)	MKC50A-ND	1.71 13.87	89150-0101
60	3.18 (80.8)	MKC60A-ND	1.76 14.28	89160-0101

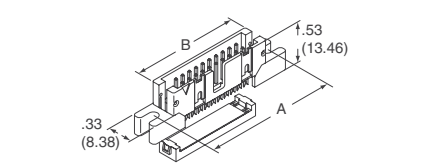
No. of Contacts	Dim. A Inch (mm)	Digi-Key Part No.	Pricing 1 10	3M Part No.
<b>891 Series Strain Reliefs</b>				
10	—	MKSR10-ND	.23 1.87	3448-89110
14	—	MKSR14-ND	.23 1.87	3448-89114
16	—	MKSR16-ND	.23 1.87	3448-89116
20	—	MKSR20-ND	.23 1.87	3448-89120
24	—	MKSR24-ND	.36 2.90	3448-89124
26	—	MKSR26-ND	.23 1.87	3448-89126
30	—	MKSR30-ND	.36 2.90	3448-89130
34	—	MKSR34-ND	.23 1.87	3448-89134
40	—	MKSR40-ND	.23 1.87	3448-89140
50	—	MKSR50-ND	.23 1.87	3448-89150
60	—	MKSR60-ND	.33 2.69	3448-89160

No. of Contacts	Dim. A Inch (mm)	Digi-Key Part No.	Pricing 1 10	3M Part No.
<b>D89 Series, without Center Bump - 10µ" Gold - RoHS Compliant</b>				
10	.68 (17.3)	MSC10E-ND	.29 2.42	D89110-0031HK
14	.88 (22.4)	MSC14E-ND	.41 3.43	D89114-0031HK
16	.98 (24.9)	MSC16E-ND	.39 3.30	D89116-0031HK
20	1.18 (30.0)	MSC20E-ND	.41 3.43	D89120-0031HK
24	1.38 (35.1)	MSC24E-ND	.42 3.56	D89124-0031HK
26	1.48 (37.6)	MSC26E-ND	.42 3.56	D89126-0031HK
30	1.68 (42.7)	MSC30E-ND	.46 3.94	D89130-0031HK
34	1.88 (47.8)	MSC34E-ND	.53 4.45	D89134-0031HK
40	2.18 (55.4)	MSC40E-ND	.62 5.21	D89140-0031HK
50	2.68 (68.1)	MSC50E-ND	.77 6.48	D89150-0031HK

No. of Contacts	Dim. A Inch (mm)	Digi-Key Part No.	Pricing 1 10	3M Part No.
<b>D89 Series, with Center Bump - 10µ" Gold - RoHS Compliant</b>				
10	.68 (17.3)	MKC10E-ND	.29 2.42	D89110-0131HK
14	.88 (22.4)	MKC14E-ND	.41 3.43	D89114-0131HK
16	.98 (24.9)	MKC16E-ND	.39 3.30	D89116-0131HK
20	1.18 (30.0)	MKC20E-ND	.41 3.43	D89120-0131HK
24	1.38 (35.1)	MKC24E-ND	.42 3.56	D89124-0131HK
26	1.48 (37.6)	MKC26E-ND	.42 3.56	D89126-0131HK
30	1.68 (42.7)	MKC30E-ND	.46 3.94	D89130-0131HK
34	1.88 (47.8)	MKC34E-ND	.53 4.45	D89134-0131HK
40	2.18 (55.4)	MKC40E-ND	.62 5.21	D89140-0131HK
50	2.68 (68.1)	MKC50E-ND	.77 6.48	D89150-0131HK

No. of Contacts	Dim. A Inch (mm)	Digi-Key Part No.	Pricing 1 10	3M Part No.
<b>D89 Series Strain Reliefs</b>				
10	—	MESR10-ND	.14 1.15	D3448-89110
14	—	MESR14-ND	.14 1.15	D3448-89114
16	—	MESR16-ND	.14 1.15	D3448-89116
20	—	MESR20-ND	.14 1.15	D3448-89120
24	—	MESR24-ND	.14 1.15	D3448-89124
26	—	MESR26-ND	.14 1.15	D3448-89126
30	—	MESR30-ND	.14 1.15	D3448-89130
34	—	MESR34-ND	.14 1.15	D3448-89134
40	—	MESR40-ND	.14 1.15	D3448-89140
50	—	MESR50-ND	.14 1.15	D3448-89150

## 3M .100" x .100" (2.54mm x 2.54mm) Plug Connectors



**Physical Specifications:** • Insulation Material: Glass reinforced polyester (PBT) • Flammability Rating: UL94V-0 • Color: Gray • Contact Material: Flat Cable Connectors: Beryllium copper • Latch Eject Headers: Copper alloy • Plating: 30µ" gold • Wire Accommodation: 26 and 28AWG solid or stranded, 30AWG solid **Electrical Specifications:** • Current Rating: 1A • Insulation Resistance: >1x10<sup>10</sup> Ω @ 500VDC • Withstanding Voltage: 1000VRMS @ sea level **Environmental Specifications:** • Temperature Rating: -55°C ~ 105°C • UL File No.: E68080; CSA File No.: LR-40971

No. of Cont.	Dimension - Inch (mm)	Digi-Key Part No.	Pricing 1 10	3M Part No.	
<b>With Slotted Mounting Flanges</b>					
10	1.20 (30.48)	.90 (22.86)	MPL10K-ND	2.14 18.04	4610-6050
14	1.40 (35.56)	1.10 (27.94)	MPL14K-ND	2.98 25.03	4614-6000
16	1.50 (38.10)	1.20 (30.48)	MPL16K-ND	3.37 28.34	4616-6000
20	1.70 (43.18)	1.40 (35.56)	MPL20K-ND	3.93 33.03	4620-6000
24	1.90 (48.26)	1.60 (40.64)	MPL24K-ND	4.32 36.34	4624-6000
26	2.00 (50.80)	1.70 (43.18)	MPL26K-ND	4.47 37.61	4626-6000
30	2.20 (55.88)	1.90 (48.26)	MPL30K-ND	4.91 41.29	4630-6000
34	2.40 (60.96)	2.10 (53.34)	MPL34K-ND	5.54 46.63	4634-6000
36	2.50 (63.50)	2.20 (55.88)	MPL36K-ND	5.86 49.30	4636-6000
40	2.70 (68.58)	2.40 (60.96)	MPL40K-ND	6.16 51.71	4640-6000
50	3.20 (81.28)	2.90 (73.66)	MPL50K-ND	6.66 56.03	4650-6000
60	3.70 (93.98)	3.40 (86.36)	MPL60K-ND	7.86 66.07	4660-6000
64	3.90 (99.06)	3.60 (91.44)	MPL64K-ND	8.38 70.52	4664-6000
<b>Without Mounting Flanges</b>					
10	1.20 (30.48)	.90 (22.86)	MPK10K-ND	2.14 18.04	4610-6051
14	1.40 (35.56)	1.10 (27.94)	MPK14K-ND	2.98 25.03	4614-6001

No. of Cont.	Dimension - Inch (mm)	Digi-Key Part No.	Pricing 1 10	3M Part No.	
16	1.50 (38.10)	1.20 (30.48)	MPK16K-ND	3.37 28.34	4616-6001
20	1.70 (43.18)	1.40 (35.56)	MPK20K-ND	3.93 33.03	4620-6001
24	1.90 (48.26)	1.60 (40.64)	MPK24K-ND	4.32 36.34	4624-6001
26	2.00 (50.80)	1.70 (43.18)	MPK26K-ND	4.47 37.61	4626-6001
30	2.20 (55.88)	1.90 (48.26)	MPK30K		

**3M .100" (2.54mm) Card Edge Connectors (Cont.)**



No. of Con-tacts	Dimension - Inch (mm)		Digi-Key Part No.	Pricing		3M Part No.
	A	B		1	10	
20	—	—	MCSR20-ND	1.45	12.20	3448-54
26	—	—	MCSR26-ND	5.71	48.02	3448-55
34	—	—	MCSR34-ND	1.06	8.89	3448-56
40	—	—	MCSR40-ND	1.92	16.14	3448-57
50	—	—	MCSR50-ND	1.52	12.84	3448-58
60	—	—	MCSR60-ND	3.93	33.03	3448-31
64	—	—	MCSR64-ND	2.50	21.09	3448-59

**Termination Jumpers**

**Single Ended Socket Connector**



Socket connector without strain relief shown.  
\*MC = 3M Multi-Color, GR = 3M Gray

No. of Con-tacts	Conn. Finish	Length Inch (cm)	Rib-bon* Cable	Digi-Key Part No.	Pricing	
					1	10
10	Au 30µ"	36 (91.44)	MC	M1AXK-1036R-ND	3.49	30.62
	Au 15µ"	36 (91.44)	MC	M1AXA-1036R-ND	1.96	17.17
	Au 30µ"	36 (91.44)	GR	M1AXK-1036J-ND	2.95	25.93
	Au 15µ"	36 (91.44)	GR	M1AXA-1036J-ND	1.42	12.48
14	Au 30µ"	36 (91.44)	MC	M1AXK-1436R-ND	4.46	39.06
	Au 15µ"	36 (91.44)	MC	M1AXA-1436R-ND	2.48	21.68
	Au 30µ"	36 (91.44)	GR	M1AXK-1436J-ND	3.61	31.67
	Au 15µ"	36 (91.44)	GR	M1AXA-1436J-ND	1.63	14.29
16	Au 30µ"	36 (91.44)	MC	M1AXK-1636R-ND	4.96	43.49
	Au 15µ"	36 (91.44)	MC	M1AXA-1636R-ND	2.74	24.04
	Au 30µ"	36 (91.44)	GR	M1AXK-1636J-ND	3.99	35.04
	Au 15µ"	36 (91.44)	GR	M1AXA-1636J-ND	1.78	15.59
20	Au 30µ"	36 (91.44)	MC	M1AXK-2036R-ND	5.76	50.48
	Au 15µ"	36 (91.44)	MC	M1AXA-2036R-ND	3.30	28.96
	Au 30µ"	36 (91.44)	GR	M1AXK-2036J-ND	4.55	39.92
	Au 15µ"	36 (91.44)	GR	M1AXA-2036J-ND	2.10	18.40
24	Au 30µ"	36 (91.44)	MC	M1AXK-2436R-ND	6.90	60.57
	Au 15µ"	36 (91.44)	MC	M1AXA-2436R-ND	4.20	36.78
	Au 30µ"	36 (91.44)	GR	M1AXK-2436J-ND	5.47	47.91
	Au 15µ"	36 (91.44)	GR	M1AXA-2436J-ND	2.75	24.12
26	Au 30µ"	36 (91.44)	MC	M1AXK-2636R-ND	7.46	65.41
	Au 15µ"	36 (91.44)	MC	M1AXA-2636R-ND	4.15	36.45
	Au 30µ"	36 (91.44)	GR	M1AXK-2636J-ND	5.90	51.69
	Au 15µ"	36 (91.44)	GR	M1AXA-2636J-ND	2.59	22.72
30	Au 30µ"	36 (91.44)	MC	M1AXK-3036R-ND	9.08	79.61
	Au 15µ"	36 (91.44)	MC	M1AXA-3036R-ND	5.33	46.70
	Au 30µ"	36 (91.44)	GR	M1AXK-3036J-ND	7.03	61.67
	Au 15µ"	36 (91.44)	GR	M1AXA-3036J-ND	3.28	28.76
34	Au 30µ"	36 (91.44)	MC	M1AXK-3436R-ND	9.74	85.40
	Au 15µ"	36 (91.44)	MC	M1AXA-3436R-ND	5.26	46.09
	Au 30µ"	36 (91.44)	GR	M1AXK-3436J-ND	7.70	67.46
	Au 15µ"	36 (91.44)	GR	M1AXA-3436J-ND	3.21	28.15
40	Au 30µ"	36 (91.44)	MC	M1AXK-4036R-ND	11.44	100.33
	Au 15µ"	36 (91.44)	MC	M1AXA-4036R-ND	6.37	55.84
	Au 30µ"	36 (91.44)	GR	M1AXK-4036J-ND	9.04	79.24
	Au 15µ"	36 (91.44)	GR	M1AXA-4036J-ND	3.96	34.75
50	Au 30µ"	36 (91.44)	MC	M1AXK-5036R-ND	14.29	125.37
	Au 15µ"	36 (91.44)	MC	M1AXA-5036R-ND	7.71	67.63
	Au 30µ"	36 (91.44)	GR	M1AXK-5036J-ND	11.29	98.98
	Au 15µ"	36 (91.44)	GR	M1AXA-5036J-ND	4.70	41.25
60	Au 30µ"	36 (91.44)	MC	M1AXK-6036R-ND	17.48	153.29
	Au 15µ"	36 (91.44)	MC	M1AXA-6036R-ND	8.99	78.80
	Au 30µ"	36 (91.44)	GR	M1AXK-6036J-ND	13.87	121.63
	Au 15µ"	36 (91.44)	GR	M1AXA-6036J-ND	5.38	47.15

Also available in the following configurations:  
M1BX□□□36□-ND - Standard Open End with Strain Relief  
M1CX□□□36□-ND - Standard Open End with Polarizing Key  
M1DX□□□36□-ND - Std. Open End with Polarizing Key and Strain Relief  
M1TX□□□36□-ND - Standard Closed End with Polarizing Key  
M1UX□□□36□-ND - Std. Closed End with Polarizing Key and Strain Relief  
Call for complete part number and pricing!

**Single Ended Socket Connector**

\*Twisted Pair Cable Finished Length is Approximate.

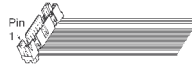


No. of Con-tacts	Conn. Finish	Length Inch (cm)	Rib-bon* Cable	Digi-Key Part No.	Pricing	
					1	10
10	Au 30µ"	40 (101.60)	TW	M1AXK-1040K-ND	4.15	36.43
	Au 15µ"	40 (101.60)	TW	M1AXA-1040K-ND	2.62	22.99
14	Au 30µ"	40 (101.60)	TW	M1AXK-1440K-ND	5.38	47.20
	Au 15µ"	40 (101.60)	TW	M1AXA-1440K-ND	3.40	29.82
16	Au 30µ"	40 (101.60)	TW	M1AXK-1640K-ND	6.02	52.79
	Au 15µ"	40 (101.60)	TW	M1AXA-1640K-ND	3.80	33.34
20	Au 30µ"	40 (101.60)	TW	M1AXK-2040K-ND	7.09	62.11
	Au 15µ"	40 (101.60)	TW	M1AXA-2040K-ND	4.63	40.59
26	Au 30µ"	40 (101.60)	TW	M1AXK-2640K-ND	9.18	80.54
	Au 15µ"	40 (101.60)	TW	M1AXA-2640K-ND	5.88	51.57

No. of Con-tacts	Conn. Finish	Length In (cm)	Rib-bon* Cable	Digi-Key Part No.	Pricing	
					1	10
34	Au 30µ"	40 (101.60)	TW	M1AXK-3440K-ND	11.99	105.16
	Au 15µ"	40 (101.60)	TW	M1AXA-3440K-ND	7.51	65.85
40	Au 30µ"	40 (101.60)	TW	M1AXK-4040K-ND	14.09	123.59
	Au 15µ"	40 (101.60)	TW	M1AXA-4040K-ND	9.02	79.10
50	Au 30µ"	40 (101.60)	TW	M1AXK-5040K-ND	17.61	154.43
	Au 15µ"	40 (101.60)	TW	M1AXA-5040K-ND	11.03	96.71
60	Au 30µ"	40 (101.60)	TW	M1AXK-6040K-ND	21.46	188.18
	Au 15µ"	40 (101.60)	TW	M1AXA-6040K-ND	12.97	113.69

Also available in the following configurations:  
M1BX□□□40K-ND - Standard Open End with Strain Relief  
M1CX□□□40K-ND - Standard Open End with Polarizing Key  
M1DX□□□40K-ND - Std. Open End with Polarizing Key and Strain Relief  
M1TX□□□40K-ND - Standard Closed End with Polarizing Key  
M1UX□□□40K-ND - Std. Closed End with Polarizing Key and Strain Relief  
Call for complete part number and pricing!

**Plug Connector Single Ended**



\*MC = 3M Multi-Color, GR = 3M Gray  
Pin connector without flange, with polarizing key shown.

No. of Con-tacts	Conn. Finish	Length Inch (cm)	Rib-bon* Cable	Digi-Key Part No.	Pricing	
					1	10
10	Au 30µ"	36 (91.44)	MC	M1KXX-1036R-ND	4.57	40.13
	Au 30µ"	36 (91.44)	GR	M1KXX-1036J-ND	4.04	35.44
14	Au 30µ"	36 (91.44)	MC	M1KXX-1436R-ND	6.37	55.81
	Au 30µ"	36 (91.44)	GR	M1KXX-1436J-ND	5.52	48.43
16	Au 30µ"	36 (91.44)	MC	M1KXX-1636R-ND	7.22	63.35
	Au 30µ"	36 (91.44)	GR	M1KXX-1636J-ND	6.26	54.91
20	Au 30µ"	36 (91.44)	MC	M1KXX-2036R-ND	8.59	75.31
	Au 30µ"	36 (91.44)	GR	M1KXX-2036J-ND	7.38	64.75
24	Au 30µ"	36 (91.44)	MC	M1KXX-2436R-ND	9.69	84.99
	Au 30µ"	36 (91.44)	GR	M1KXX-2436J-ND	8.25	72.32
26	Au 30µ"	36 (91.44)	MC	M1KXX-2636R-ND	10.17	89.20
	Au 30µ"	36 (91.44)	GR	M1KXX-2636J-ND	8.61	75.49
30	Au 30µ"	36 (91.44)	MC	M1KXX-3036R-ND	11.84	103.81
	Au 30µ"	36 (91.44)	GR	M1KXX-3036J-ND	9.79	85.87
34	Au 30µ"	36 (91.44)	MC	M1KXX-3436R-ND	12.83	112.50
	Au 30µ"	36 (91.44)	GR	M1KXX-3436J-ND	10.78	94.56
36	Au 30µ"	36 (91.44)	MC	M1KXX-3636R-ND	13.69	120.07
	Au 30µ"	36 (91.44)	GR	M1KXX-3636J-ND	11.46	100.55
40	Au 30µ"	36 (91.44)	MC	M1KXX-4036R-ND	14.51	127.23
	Au 30µ"	36 (91.44)	GR	M1KXX-4036J-ND	12.10	106.13
50	Au 30µ"	36 (91.44)	MC	M1KXX-5036R-ND	16.54	145.02
	Au 30µ"	36 (91.44)	GR	M1KXX-5036J-ND	13.53	118.64
60	Au 30µ"	36 (91.44)	MC	M1KXX-6036R-ND	19.63	172.12
	Au 30µ"	36 (91.44)	GR	M1KXX-6036J-ND	16.02	140.47
64	Au 30µ"	36 (91.44)	MC	M1KXX-6436R-ND	20.95	183.66
	Au 30µ"	36 (91.44)	GR	M1KXX-6436J-ND	17.09	149.90

Also available in the following configurations:  
M1RX□□□36□-ND - Pin Connector without Flange, with Polarizing Key and Strain Relief  
M1WX□□□36□-ND - Pin Connector with Flange, with Polarizing Key  
M1YX□□□36□-ND - Pin Connector with Polarizing Key and Strain Relief  
Call for complete part number and pricing!

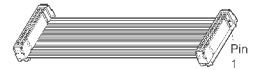
**Plug Connector - Single Ended**

\*Twisted Pair Cable Finished Length is Approximate.

No. of Con-tacts	Conn. Finish	Length Inch (cm)	Rib-bon* Cable	Digi-Key Part No.	Pricing	
					1	10
10	Au 30µ"	40 (101.60)	TW	M1KXX-1040K-ND	5.24	45.95
14	Au 30µ"	40 (101.60)	TW	M1KXX-1440K-ND	7.30	63.95
16	Au 30µ"	40 (101.60)	TW	M1KXX-1640K-ND	8.28	72.65
20	Au 30µ"	40 (101.60)	TW	M1KXX-2040K-ND	9.92	86.94
26	Au 30µ"	40 (101.60)	TW	M1KXX-2640K-ND	11.90	104.33
34	Au 30µ"	40 (101.60)	TW	M1KXX-3440K-ND	15.09	132.27
	Au 30µ"	40 (101.60)	TW	M1KXX-4040K-ND	17.16	150.49
50	Au 30µ"	40 (101.60)	TW	M1KXX-5040K-ND	19.86	174.09
60	Au 30µ"	40 (101.60)	TW	M1KXX-6040K-ND	23.61	207.01
64	Au 30µ"	40 (101.60)	TW	M1KXX-6440K-ND	25.18	220.88

Also available in the following configurations:  
M1RX□□□40K-ND - Standard Open End without Flange, with Polarizing Key and Strain Relief  
M1WX□□□40K-ND - Standard Open End with Flange, with Polarizing Key  
M1YX□□□40K-ND - Standard Open End with Flange, with Polarizing Key and Strain Relief  
Call for complete part number and pricing!

**Socket to Socket Connector**



\*MC = 3M Multi-Color, GR = 3M Gray  
Socket connector without strain relief shown.



No. of Con-tacts	Conn. Finish	Length Inch (cm)	Rib-bon* Cable	Digi-Key Part No.	Pricing	
					1	10
10	Au 30µ"	6 (15.24)	MC	M3AAK-1006R-ND	4.73	41.52
	Au 15µ"	6 (15.24)	MC	M3AAA-1006R-ND	1.67	14.62
	Au 30µ"	6 (15.24)	GR	M3AAK-1006J-ND	4.65	40.74
	Au 15µ"	6 (15.24)	GR	M3AAA-1006J-ND	1.58	13.84
10	Au 30µ"	18 (45.72)	MC	M3AAK-1018R-ND	5.14	45.11
	Au 15µ"	18 (45.72)	MC	M3AAA-1018R-ND	2.08	18.21
	Au 30µ"	18 (45.72)	GR	M3AAK-1018J-ND	4.88	42.76
	Au 15µ"	18 (45.72)	GR	M3AAA-1018J-ND	1.81	15.86
10	Au 30µ"	36 (91.44)	MC	M3AAK-1036R-ND	5.76	50.48
	Au 15µ"	36 (91.44)	MC	M3AAA-1036R-ND	2.69	23.58
	Au 30µ"	36 (91.44)	GR	M3AAK-1036J-ND	5.22	45.79
	Au 15µ"	36 (91.44)	GR	M3AAA-1036J-ND	2.16	18.89
14	Au 30µ"	6 (15.24)	MC	M3AAK-1406R-ND	5.76	50.52
	Au 15µ"	6 (15.24)	MC	M3AAA-1406R-ND	1.79	15.75

**3M Termination Jumpers**  
Socket to Socket Connector (Cont.)



No. of Con-tacts	Conn. Finish	Length Inch (cm)	Rib-bon* Cable	Digi-Key Part No.	Pricing 1 10
34	Au 30µ"	18 (45.72)	MC	M3AAK-3418R-ND	13.22 115.94
	Au 15µ"	18 (45.72)	MC	M3AAA-3418R-ND	4.25 37.32
	Au 30µ"	18 (45.72)	GR	M3AAK-3418J-ND	12.20 106.98
	Au 15µ"	18 (45.72)	GR	M3AAA-3418J-ND	3.23 28.35
34	Au 30µ"	36 (91.44)	MC	M3AAK-3436R-ND	15.30 134.23
	Au 15µ"	36 (91.44)	MC	M3AAA-3436R-ND	6.34 55.60
	Au 30µ"	36 (91.44)	GR	M3AAK-3436J-ND	13.26 116.29
	Au 15µ"	36 (91.44)	GR	M3AAA-3436J-ND	4.30 37.66
40	Au 30µ"	6 (15.24)	MC	M3AAK-4006R-ND	13.89 121.80
	Au 15µ"	6 (15.24)	MC	M3AAA-4006R-ND	3.75 32.83
	Au 30µ"	6 (15.24)	GR	M3AAK-4006J-ND	13.49 118.28
	Au 15µ"	6 (15.24)	GR	M3AAA-4006J-ND	3.34 29.31
40	Au 30µ"	18 (45.72)	MC	M3AAK-4018R-ND	15.52 136.14
	Au 15µ"	18 (45.72)	MC	M3AAA-4018R-ND	5.38 47.17
	Au 30µ"	18 (45.72)	GR	M3AAK-4018J-ND	14.32 125.59
	Au 15µ"	18 (45.72)	GR	M3AAA-4018J-ND	4.17 36.62
40	Au 30µ"	36 (91.44)	MC	M3AAK-4036R-ND	17.98 157.64
	Au 15µ"	36 (91.44)	MC	M3AAA-4036R-ND	7.83 68.67
	Au 30µ"	36 (91.44)	GR	M3AAK-4036J-ND	15.57 136.55
	Au 15µ"	36 (91.44)	GR	M3AAA-4036J-ND	5.42 47.57
50	Au 30µ"	6 (15.24)	MC	M3AAK-5006R-ND	17.35 152.14
	Au 15µ"	6 (15.24)	MC	M3AAA-5006R-ND	4.18 36.68
	Au 30µ"	6 (15.24)	GR	M3AAK-5006J-ND	16.85 147.75
	Au 15µ"	6 (15.24)	GR	M3AAA-5006J-ND	3.68 32.29
50	Au 30µ"	18 (45.72)	MC	M3AAK-5018R-ND	19.39 170.07
	Au 15µ"	18 (45.72)	MC	M3AAA-5018R-ND	6.23 54.61
	Au 30µ"	18 (45.72)	GR	M3AAK-5018J-ND	17.89 156.87
	Au 15µ"	18 (45.72)	GR	M3AAA-5018J-ND	4.73 41.42
50	Au 30µ"	36 (91.44)	MC	M3AAK-5036R-ND	22.46 196.96
	Au 15µ"	36 (91.44)	MC	M3AAA-5036R-ND	9.29 81.50
	Au 30µ"	36 (91.44)	GR	M3AAK-5036J-ND	19.45 170.57
	Au 15µ"	36 (91.44)	GR	M3AAA-5036J-ND	6.29 55.12
60	Au 30µ"	6 (15.24)	MC	M3AAK-6006R-ND	21.47 188.28
	Au 15µ"	6 (15.24)	MC	M3AAA-6006R-ND	4.48 39.31
	Au 30µ"	6 (15.24)	GR	M3AAK-6006J-ND	20.87 183.01
	Au 15µ"	6 (15.24)	GR	M3AAA-6006J-ND	3.88 34.03
60	Au 30µ"	18 (45.72)	MC	M3AAK-6018R-ND	23.92 209.79
	Au 15µ"	18 (45.72)	MC	M3AAA-6018R-ND	6.93 60.82
	Au 30µ"	18 (45.72)	GR	M3AAK-6018J-ND	22.12 193.97
	Au 15µ"	18 (45.72)	GR	M3AAA-6018J-ND	5.13 44.99
60	Au 30µ"	36 (91.44)	MC	M3AAK-6036R-ND	27.60 242.06
	Au 15µ"	36 (91.44)	MC	M3AAA-6036R-ND	10.61 93.08
	Au 30µ"	36 (91.44)	GR	M3AAK-6036J-ND	23.99 210.40
	Au 15µ"	36 (91.44)	GR	M3AAA-6036J-ND	7.01 61.43

Also available in the following configurations:

- M3BB□-□□□□-ND - Standard Open End with Strain Relief
  - M3CC□-□□□□-ND - Standard Open End with Polarizing Key
  - M3DD□-□□□□-ND - Standard Open End with Polarizing Key and Strain Relief
  - M3TTK□-□□□□-ND - Standard Closed End with Polarizing Key
  - M3UUK□-□□□□-ND - Standard Closed End with Polarizing Key and Strain Relief
- Call for complete part number and pricing!

**Socket to Socket Connector**

\*Twisted Pair Cable Finished Length is Approximate.

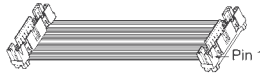
No. of Con-tacts	Conn. Finish	Length Inch (cm)	Rib-bon* Cable	Digi-Key Part No.	Pricing 1 10
10	Au 30µ"	20 (50.80)	TW	M3AAK-1020K-ND	5.47 48.01
	Au 15µ"	20 (50.80)	TW	M3AAA-1020K-ND	2.41 21.11
	Au 30µ"	40 (101.60)	TW	M3AAK-1040K-ND	6.42 56.29
	Au 15µ"	40 (101.60)	TW	M3AAA-1040K-ND	3.35 29.40
	Au 30µ"	60 (152.40)	TW	M3AAK-1060K-ND	7.36 64.58
	Au 15µ"	60 (152.40)	TW	M3AAA-1060K-ND	4.30 37.68
14	Au 30µ"	20 (50.80)	TW	M3AAK-1420K-ND	6.80 59.60
	Au 15µ"	20 (50.80)	TW	M3AAA-1420K-ND	2.83 24.84
	Au 30µ"	40 (101.60)	TW	M3AAK-1440K-ND	8.12 71.20
	Au 15µ"	40 (101.60)	TW	M3AAA-1440K-ND	4.15 36.44
	Au 30µ"	60 (152.40)	TW	M3AAK-1460K-ND	9.45 82.79
	Au 15µ"	60 (152.40)	TW	M3AAA-1460K-ND	5.48 48.03
16	Au 30µ"	20 (50.80)	TW	M3AAK-1620K-ND	7.51 65.81
	Au 15µ"	20 (50.80)	TW	M3AAA-1620K-ND	3.07 26.91
	Au 30µ"	40 (101.60)	TW	M3AAK-1640K-ND	9.02 79.07
	Au 15µ"	40 (101.60)	TW	M3AAA-1640K-ND	4.58 40.17
	Au 30µ"	60 (152.40)	TW	M3AAK-1660K-ND	10.53 92.33
	Au 15µ"	60 (152.40)	TW	M3AAA-1660K-ND	6.09 53.43
20	Au 30µ"	20 (50.80)	TW	M3AAK-2020K-ND	8.49 74.50
	Au 15µ"	20 (50.80)	TW	M3AAA-2020K-ND	3.59 31.46
	Au 30µ"	40 (101.60)	TW	M3AAK-2040K-ND	10.39 91.08
	Au 15µ"	40 (101.60)	TW	M3AAA-2040K-ND	5.48 48.04
	Au 30µ"	60 (152.40)	TW	M3AAK-2060K-ND	12.28 107.64
	Au 15µ"	60 (152.40)	TW	M3AAA-2060K-ND	7.37 64.61
26	Au 30µ"	20 (50.80)	TW	M3AAK-2620K-ND	11.00 96.44
	Au 15µ"	20 (50.80)	TW	M3AAA-2620K-ND	4.39 38.51
	Au 30µ"	40 (101.60)	TW	M3AAK-2640K-ND	13.45 117.98
	Au 15µ"	40 (101.60)	TW	M3AAA-2640K-ND	6.85 60.05
	Au 30µ"	60 (152.40)	TW	M3AAK-2660K-ND	15.91 139.52
	Au 15µ"	60 (152.40)	TW	M3AAA-2660K-ND	9.31 81.59
34	Au 30µ"	20 (50.80)	TW	M3AAK-3420K-ND	14.35 125.83
	Au 15µ"	20 (50.80)	TW	M3AAA-3420K-ND	5.38 47.20
	Au 30µ"	40 (101.60)	TW	M3AAK-3440K-ND	17.56 153.99
	Au 15µ"	40 (101.60)	TW	M3AAA-3440K-ND	8.60 75.37

No. of Con-tacts	Conn. Finish	Length Inch (cm)	Rib-bon* Cable	Digi-Key Part No.	Pricing 1 10
34	Au 30µ"	60 (152.40)	TW	M3AAK-3460K-ND	20.77 182.16
	Au 15µ"	60 (152.40)	TW	M3AAA-3460K-ND	11.80 103.53
40	Au 30µ"	20 (50.80)	TW	M3AAK-4020K-ND	16.85 147.77
	Au 15µ"	20 (50.80)	TW	M3AAA-4020K-ND	6.71 58.80
	Au 30µ"	40 (101.60)	TW	M3AAK-4040K-ND	20.63 180.90
	Au 15µ"	40 (101.60)	TW	M3AAA-4040K-ND	10.48 91.93
	Au 30µ"	60 (152.40)	TW	M3AAK-4060K-ND	24.41 214.05
	Au 15µ"	60 (152.40)	TW	M3AAA-4060K-ND	14.27 125.08
50	Au 30µ"	20 (50.80)	TW	M3AAK-5020K-ND	21.05 184.61
	Au 15µ"	20 (50.80)	TW	M3AAA-5020K-ND	7.88 69.15
	Au 30µ"	40 (101.60)	TW	M3AAK-5040K-ND	25.77 226.03
	Au 15µ"	40 (101.60)	TW	M3AAA-5040K-ND	12.61 110.57
	Au 30µ"	60 (152.40)	TW	M3AAK-5060K-ND	30.50 267.45
	Au 15µ"	60 (152.40)	TW	M3AAA-5060K-ND	17.33 152.00
60	Au 30µ"	20 (50.80)	TW	M3AAK-6020K-ND	25.91 227.24
	Au 15µ"	20 (50.80)	TW	M3AAA-6020K-ND	8.92 78.26
	Au 30µ"	40 (101.60)	TW	M3AAK-6040K-ND	31.58 276.95
	Au 15µ"	40 (101.60)	TW	M3AAA-6040K-ND	14.59 127.97
	Au 30µ"	60 (152.40)	TW	M3AAK-6060K-ND	37.25 326.66
	Au 15µ"	60 (152.40)	TW	M3AAA-6060K-ND	20.26 177.68

Also available in the following configurations:

- M3BB□-□□□□-ND - Standard Open End with Strain Relief
  - M3CC□-□□□□-ND - Standard Open End with Polarizing Key
  - M3DD□-□□□□-ND - Standard Open End with Polarizing Key and Strain Relief
  - M3TTK□-□□□□-ND - Standard Closed End with Polarizing Key
  - M3UUK□-□□□□-ND - Std. Closed End with Polarizing Key and Strain Relief
- Call for complete part number and pricing!

**Plug Connector to Plug Connector**



\*MC = 3M Multi-Color, GR = 3M Gray  
Pin connector without flange, with polarizing key shown.  
\*Twisted Pair Cable Finished Length is Approximate.

No. of Con-tacts	Conn. Finish	Length Inch (cm)	Rib-bon* Cable	Digi-Key Part No.	Pricing 1 10
10	Au 30µ"	6 (15.24)	MC	M3KKK-1006R-ND	6.90 60.56
	Au 15µ"	6 (15.24)	GR	M3KKK-1006J-ND	6.82 59.77
	Au 30µ"	18 (45.72)	MC	M3KKK-1018R-ND	7.31 64.14
	Au 15µ"	18 (45.72)	GR	M3KKK-1018J-ND	7.05 61.80
	Au 30µ"	36 (91.44)	MC	M3KKK-1036R-ND	7.93 69.51
	Au 15µ"	36 (91.44)	GR	M3KKK-1036J-ND	7.39 64.82
14	Au 30µ"	6 (15.24)	MC	M3KKK-1406R-ND	9.58 84.03
	Au 15µ"	6 (15.24)	GR	M3KKK-1406J-ND	9.45 82.80
	Au 30µ"	18 (45.72)	MC	M3KKK-1418R-ND	10.16 89.05
	Au 15µ"	18 (45.72)	GR	M3KKK-1418J-ND	9.74 85.36
	Au 30µ"	36 (91.44)	MC	M3KKK-1436R-ND	11.01 96.58
	Au 15µ"	36 (91.44)	GR	M3KKK-1436J-ND	10.17 89.19
16	Au 30µ"	6 (15.24)	MC	M3KKK-1606R-ND	10.85 95.15
	Au 15µ"	6 (15.24)	GR	M3KKK-1606J-ND	10.69 93.74
	Au 30µ"	18 (45.72)	MC	M3KKK-1618R-ND	11.51 100.88
	Au 15µ"	18 (45.72)	GR	M3KKK-1618J-ND	11.02 96.67
	Au 30µ"	36 (91.44)	MC	M3KKK-1636R-ND	12.49 109.49
	Au 15µ"	36 (91.44)	GR	M3KKK-1636J-ND	11.52 101.04
20	Au 30µ"	6 (15.24)	MC	M3KKK-2006R-ND	12.68 111.18
	Au 15µ"	6 (15.24)	GR	M3KKK-2006J-ND	12.48 109.42
	Au 30µ"	18 (45.72)	MC	M3KKK-2018R-ND	13.50 118.35
	Au 15µ"	18 (45.72)	GR	M3KKK-2018J-ND	12.89 113.07
	Au 30µ"	36 (91.44)	MC	M3KKK-2036R-ND	14.72 129.10
	Au 15µ"	36 (91.44)	GR	M3KKK-2036J-ND	13.52 118.55
24	Au 30µ"	6 (15.24)	MC	M3KKK-2406R-ND	13.99 122.66
	Au 15µ"	6 (15.24)	GR	M3KKK-2406J-ND	13.74 120.55
	Au 30µ"	18 (45.72)	MC	M3KKK-2418R-ND	14.97 131.26
	Au 15µ"	18 (45.72)	GR	M3KKK-2418J-ND	14.24 124.93
	Au 30µ"	36 (91.44)	MC	M3KKK-2436R-ND	16.44 144.16
	Au 15µ"	36 (91.44)	GR	M3KKK-2436J-ND	15.00 131.50
26	Au 30µ"	6 (15.24)	MC	M3KKK-2606R-ND	14.50 127.15
	Au 15µ"	6 (15.24)	GR	M3KKK-2606J-ND	14.24 124.86
	Au 30µ"	18 (45.72)	MC	M3KKK-2618R-ND	15.57 136.47
	Au 15µ"	18 (45.72)	GR	M3KKK-2618J-ND	14.78 129.61
	Au 30µ"	36 (91.44)	MC	M3KKK-2636R-ND	17.16 150.45
	Au 15µ"	36 (91.44)	GR	M3KKK-2636J-ND	15.59 136.73
30	Au 30µ"	6 (15.24)	MC	M3KKK-3006R-ND	16.03 140.58
	Au 15µ"	6 (15.24)	GR	M3KKK-3006J-ND	15.69 137.60
	Au 30µ"	18 (45.72)	MC	M3KKK-3018R-ND	17.42 152.77
	Au 15µ"	18 (45.72)	GR	M3KKK-3018J-ND	16.40 143.81
	Au 30µ"	36 (91.44)	MC	M3KKK-3036R-ND	19.51 171.06
	Au 15µ"	36 (91.44)	GR	M3KKK-3036J-ND	17.46 153.12
34	Au 30µ"	6 (15.24)	MC	M3KKK-3406R-ND	18.01 157.96
	Au 15µ"	6 (15.24)	GR	M3KKK-3406J-ND	17.67 154.98
	Au 30µ"	18 (45.72)	MC	M3KKK-3418R-ND	19.41 170.15
	Au 15µ"	18 (45.72)	GR	M3KKK-3418J-ND	18.38 161.19
	Au 30µ"	36 (91.44)	MC	M3KKK-3436R-ND	21.49 188.44
	Au 15µ"	36 (91.44)	GR	M3KKK-3436J-ND	19.44 170.50
36	Au 30µ"	6 (15.24)	MC	M3KKK-3606R-ND	19.06 167.19
	Au 15µ"	6 (15.24)	GR	M3KKK-3606J-ND	