

3M Termination Jumpers



Plug Connector to Plug Connector (Cont.)

*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	M3K3K-1020K-ND	10.53	92.35
	Au 30µ"	40 (101.60)	TW	M3K3K-1040K-ND	11.83	103.76
14	Au 30µ"	20 (50.80)	TW	M3K3K-1420K-ND	14.63	128.26
	Au 30µ"	40 (101.60)	TW	M3K3K-1440K-ND	16.45	144.24
16	Au 30µ"	20 (50.80)	TW	M3K3K-1620K-ND	16.58	145.37
	Au 30µ"	40 (101.60)	TW	M3K3K-1640K-ND	18.66	163.63
20	Au 30µ"	20 (50.80)	TW	M3K3K-2020K-ND	19.50	171.02
	Au 30µ"	40 (101.60)	TW	M3K3K-2040K-ND	22.11	193.85
20	Au 30µ"	20 (50.80)	TW	M3K3K-2620K-ND	22.62	198.39
	Au 30µ"	40 (101.60)	TW	M3K3K-2640K-ND	26.01	228.06
34	Au 30µ"	20 (50.80)	TW	M3K3K-3420K-ND	28.28	247.99
	Au 30µ"	40 (101.60)	TW	M3K3K-3440K-ND	32.70	286.78
40	Au 30µ"	20 (50.80)	TW	M3K3K-4020K-ND	31.66	277.64
	Au 30µ"	40 (101.60)	TW	M3K3K-4040K-ND	36.87	323.28
50	Au 30µ"	20 (50.80)	TW	M3K3K-5020K-ND	35.17	308.43
	Au 30µ"	40 (101.60)	TW	M3K3K-5040K-ND	41.68	365.48
60	Au 30µ"	20 (50.80)	TW	M3K3K-6020K-ND	41.61	364.87
	Au 30µ"	40 (101.60)	TW	M3K3K-6040K-ND	49.42	433.34
64	Au 30µ"	20 (50.80)	TW	M3K3K-6420K-ND	44.40	389.38
	Au 30µ"	40 (101.60)	TW	M3K3K-6440K-ND	52.73	462.41

Also available in the following configurations:

M3RRK-□□□□K-ND - Pin Connector without Flange, with Polarizing Key and Strain Relief.

M3WWK-□□□□K-ND - Pin Connector with Flange, with Polarizing Key.

M3YYK-□□□□K-ND - Pin Connector with Flange, with Polarizing Key and Strain Relief.

Call for complete part number and pricing!

Socket Connector to Plug Connector



*MC = 3M Multi-Color, GR = 3M Gray

Pin connector without flange, with polarizing key, and 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	M3AKK-1006R-ND	8.02	70.30
	Au 30µ"	6 (15.24)	GR	M3AKK-1006J-ND	7.89	69.22
	Au 30µ"	18 (45.72)	MC	M3AKK-1018R-ND	8.58	75.24
	Au 30µ"	18 (45.72)	GR	M3AKK-1018J-ND	8.21	72.01
	Au 30µ"	36 (91.44)	MC	M3AKK-1036R-ND	9.42	82.64
16	Au 30µ"	6 (15.24)	MC	M3AKK-1606R-ND	11.83	103.70
	Au 30µ"	6 (15.24)	GR	M3AKK-1606J-ND	11.60	101.76
	Au 30µ"	18 (45.72)	MC	M3AKK-1618R-ND	12.73	111.60
	Au 30µ"	18 (45.72)	GR	M3AKK-1618J-ND	12.06	105.79
	Au 30µ"	36 (91.44)	MC	M3AKK-1636R-ND	14.08	123.45
20	Au 30µ"	6 (15.24)	MC	M3AKK-2006R-ND	13.56	118.94
	Au 30µ"	6 (15.24)	GR	M3AKK-2006J-ND	13.29	116.52
	Au 30µ"	18 (45.72)	MC	M3AKK-2018R-ND	14.69	128.81
	Au 30µ"	18 (45.72)	GR	M3AKK-2018J-ND	13.86	121.55
	Au 30µ"	36 (91.44)	MC	M3AKK-2036R-ND	16.38	143.63
24	Au 30µ"	6 (15.24)	MC	M3AKK-2406R-ND	15.43	135.32
	Au 30µ"	6 (15.24)	GR	M3AKK-2406J-ND	15.10	132.41
	Au 30µ"	18 (45.72)	MC	M3AKK-2418R-ND	16.78	147.17
	Au 30µ"	18 (45.72)	GR	M3AKK-2418J-ND	15.79	138.45
	Au 30µ"	36 (91.44)	MC	M3AKK-2436R-ND	18.81	164.94
26	Au 30µ"	6 (15.24)	MC	M3AKK-2606R-ND	16.23	142.36
	Au 30µ"	6 (15.24)	GR	M3AKK-2606J-ND	15.88	139.21
	Au 30µ"	18 (45.72)	MC	M3AKK-2618R-ND	17.70	155.20
	Au 30µ"	18 (45.72)	GR	M3AKK-2618J-ND	16.62	145.75
	Au 30µ"	36 (91.44)	MC	M3AKK-2636R-ND	19.89	174.46

No. of Con-tacts	Conn. Finish	Length Inch (cm)	Rib-bon* Cable	Digi-Key Part No.	Pricing	
					1	10
30	Au 30µ"	6 (15.24)	MC	M3AKK-3006R-ND	18.28	160.30
	Au 30µ"	6 (15.24)	GR	M3AKK-3006J-ND	17.81	156.18
	Au 30µ"	18 (45.72)	MC	M3AKK-3018R-ND	20.19	177.09
	Au 30µ"	18 (45.72)	GR	M3AKK-3018J-ND	18.79	164.73
	Au 30µ"	36 (91.44)	MC	M3AKK-3036R-ND	23.07	202.27
34	Au 30µ"	6 (15.24)	MC	M3AKK-3406R-ND	20.55	180.25
	Au 30µ"	6 (15.24)	GR	M3AKK-3406J-ND	20.09	176.13
	Au 30µ"	18 (45.72)	MC	M3AKK-3418R-ND	22.47	197.04
	Au 30µ"	18 (45.72)	GR	M3AKK-3418J-ND	21.06	184.68
	Au 30µ"	36 (91.44)	MC	M3AKK-3436R-ND	25.34	222.22
40	Au 30µ"	6 (15.24)	MC	M3AKK-4006R-ND	23.36	204.82
	Au 30µ"	6 (15.24)	GR	M3AKK-4006J-ND	22.80	199.97
	Au 30µ"	18 (45.72)	MC	M3AKK-4018R-ND	25.61	224.57
	Au 30µ"	18 (45.72)	GR	M3AKK-4018J-ND	23.95	210.04
	Au 30µ"	36 (91.44)	MC	M3AKK-4036R-ND	28.99	254.19
50	Au 30µ"	6 (15.24)	MC	M3AKK-5006R-ND	26.99	236.64
	Au 30µ"	6 (15.24)	GR	M3AKK-5006J-ND	26.29	230.58
	Au 30µ"	18 (45.72)	MC	M3AKK-5018R-ND	29.80	261.33
	Au 30µ"	18 (45.72)	GR	M3AKK-5018J-ND	27.73	243.16
	Au 30µ"	36 (91.44)	MC	M3AKK-5036R-ND	34.02	298.36
60	Au 30µ"	6 (15.24)	MC	M3AKK-6006R-ND	32.53	285.28
	Au 30µ"	6 (15.24)	GR	M3AKK-6006J-ND	31.70	278.01
	Au 30µ"	18 (45.72)	MC	M3AKK-6018R-ND	35.91	314.90
	Au 30µ"	18 (45.72)	GR	M3AKK-6018J-ND	33.42	293.10
	Au 30µ"	36 (91.44)	MC	M3AKK-6036R-ND	40.98	359.34

Also available in the following configurations:

M3AWK-□□□□K-ND - Socket Connector Standard; Pin Connector with Flange, with Polarizing Key

M3BRK-□□□□K-ND - Socket Connector with SR; Pin Connector without Flange, with Polarizing Key and Strain Relief

M3BYK-□□□□K-ND - Socket Connector with Strain Relief; Pin Connector with Flange, with Polarizing Key and Strain Relief

M3CKK-□□□□K-ND - Socket Connector Open with Polarizing Key

M3CWK-□□□□K-ND - Socket Connector with Polarizing Key; Pin Connector with Flange, with Polarizing Key

M3DRK-□□□□K-ND - Socket Connector with Polarizing Key and SR; Pin Connector without Flange, with PK and SR

M3DYK-□□□□K-ND - Socket Connector with Polarizing Key and SR; Pin Connector with Flange, with Polarizing Key and SR

M3TKK-□□□□K-ND - Socket Connector Closed with Polarizing Key

M3URK-□□□□K-ND - Socket Connector Closed End with PK and SR; Pin Connector without Flange, with PK and SR

M3UYK-□□□□K-ND - Socket Connector Closed End with PK and SR; Pin Connector with Flange, with PK and Strain Relief

Call for complete part number and pricing!

Socket Connector to Plug 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	M3AKK-1020K-ND	9.04	79.24
	Au 30µ"	40 (101.60)	TW	M3AKK-1040K-ND	10.34	90.65
	Au 30µ"	60 (152.40)	TW	M3AKK-1060K-ND	11.64	102.06
16	Au 30µ"	20 (50.80)	TW	M3AKK-1620K-ND	13.46	118.01
	Au 30µ"	40 (101.60)	TW	M3AKK-1640K-ND	15.54	136.27
	Au 30µ"	60 (152.40)	TW	M3AKK-1660K-ND	17.62	154.53
20	Au 30µ"	20 (50.80)	TW	M3AKK-2020K-ND	15.60	136.82
	Au 30µ"	40 (101.60)	TW	M3AKK-2040K-ND	18.21	159.65
	Au 30µ"	60 (152.40)	TW	M3AKK-2060K-ND	20.81	182.47
26	Au 30µ"	20 (50.80)	TW	M3AKK-2620K-ND	18.89	165.62
	Au 30µ"	40 (101.60)	TW	M3AKK-2640K-ND	22.27	195.29
	Au 30µ"	60 (152.40)	TW	M3AKK-2660K-ND	25.65	224.96
34	Au 30µ"	20 (50.80)	TW	M3AKK-3420K-ND	24.02	210.65
	Au 30µ"	40 (101.60)	TW	M3AKK-3440K-ND	28.45	249.45
	Au 30µ"	60 (152.40)	TW	M3AKK-3460K-ND	32.87	288.25
40	Au 30µ"	20 (50.80)	TW	M3AKK-4020K-ND	27.44	240.59
	Au 30µ"	40 (101.60)	TW	M3AKK-4040K-ND	32.64	286.23
	Au 30µ"	60 (152.40)	TW	M3AKK-4060K-ND	37.85	331.88
50	Au 30µ"	20 (50.80)	TW	M3AKK-5020K-ND	32.08	281.35
	Au 30µ"	40 (101.60)	TW	M3AKK-5040K-ND	38.59	338.41
	Au 30µ"	60 (152.40)	TW	M3AKK-5060K-ND	45.10	395.47
60	Au 30µ"	20 (50.80)	TW	M3AKK-6020K-ND	38.65	338.93
	Au 30µ"	40 (101.60)	TW	M3AKK-6040K-ND	46.46	407.40
	Au 30µ"	60 (152.40)	TW	M3AKK-6060K-ND	54.27	475.87

Also available in the following configurations:

M3AWK-□□□□K-ND - Socket Connector/Pin Connector w/ Flange w/ PK.

M3BRK-□□□□K-ND - Socket Connector with SR, Pin Connector without Flange with PK and SR.

M3BYK-□□□□K-ND - Socket Connector with SR, Pin Connector with Flange with PK and SR.

M3CKK-□□□□K-ND - Socket Connector with PK, Pin Connector without Flange with PK.

M3CWK-□□□□K-ND - Socket Connector with PK, Pin Connector with Flange with PK.

M3DRK-□□□□K-ND - Socket Connector with PK and SR, Pin Connector without Flange with PK and SR.

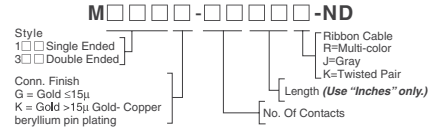
M3DYK-□□□□K-ND - Socket Connector with PK and SR, Pin Connector with Flange with PK and SR.

M3TKK-□□□□K-ND - Closed End Socket Connector with PK, Pin Connector without Flange with PK.

M3URK-□□□□K-ND - Closed End Socket Connector with PK and SR, Pin Connector without Flange with PK and SR.

M3UYK-□□□□K-ND - Closed End Socket Connector with PK and SR, Pin Connector with Flange with PK and SR.

Call for complete part number and pricing!



3M Delta Flat Ribbon Cable Connectors

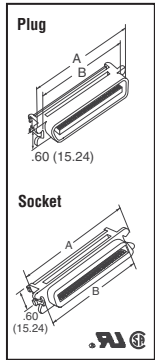


Physical Specifications: • Insulation Material: Glass reinforced polyester (PBT) • Flammability Rating: UL94V-0 • Color: Gray • Contact Material: Flat Cable Connectors: Beryllium copper • Latch Eject Headers: Copper alloy

• Plating: 30µ" gold • **Electrical Specifications:** • Current Rating: 1A • Insulation Resistance: >1x10⁹ Ω @ 500VDC • Withstanding Voltage: 1000VRMS @ sea level • **Environmental Specifications:** • Temperature Rating: -55°C - 105°C • UL File No.: E68080; CSA File No.: LR-40971

3 mounting designs available. Those with **Prefix MDA** are Digi-Key part number combination mount, which is a universal mount type that accepts both ball and screw mount hardware. **Prefix MDC:** ball mount, which can be used as a standard I/O connector for various electronic applications; positive latching and easy disconnect. **Prefix MDB:** screw mount, which have #4-40 threaded insert that simplifies mounting when a more permanent connection is desired.

Wire Accommodation: 26-30AWG stranded



No. of Cont.	Dim. - Inch (mm)		Digi-Key Part No.	Pricing		3M Part No.
	A	B		1	10	
Plugs						
14	1.75 (44.45)	1.42 (36.07)	MDA14K-ND	4.99	42.00	3572-1000
	1.58 (40.13)	1.20 (30.48)	MDC14K-ND	5.76	48.48	3572-1001
	1.75 (44.45)	1.42 (36.07)	MDB14K-ND	5.37	45.15	3572-1002
24	2.17 (55.12)	1.84 (46.74)	MDA24K-ND	5.80	48.83	3548-1000
	2.00 (50.80)	1.63 (41.40)	MDC24K-ND	5.49	46.20	3548-1001
	2.17 (55.12)	1.84 (46.74)	MDB24K-ND	7.11	59.85	3548-1002
36	2.68 (68.07)	2.35 (59.69)	MDA36K-ND	7.32	61.60	3366-1000
	2.52 (64.01)	2.14 (54.36)	MDC36K-ND	6.74	56.70	3366-1001
	2.68 (68.07					