

3M Termination Jumpers



Socket Connector to Plug Connector (Cont.)

No. of Contacts	Conn. Finish	Length Inch (cm)	Rib-bon* Cable	Digi-Key Part No.	Pricing 1 10
16	Au 30µ	6 (15.24)	MC	M3AKK-1606R-ND	12.66 95.96
	Au 30µ	6 (15.24)	GR	M3AKK-1606J-ND	12.46 94.40
	Au 30µ	18 (45.72)	MC	M3AKK-1618R-ND	13.62 103.26
	Au 30µ	18 (45.72)	GR	M3AKK-1618J-ND	13.01 98.59
	Au 30µ	36 (91.44)	MC	M3AKK-1636R-ND	15.07 114.22
	Au 30µ	36 (91.44)	GR	M3AKK-1636J-ND	13.84 104.90
20	Au 30µ	6 (15.24)	MC	M3AKK-2006R-ND	14.52 110.05
	Au 30µ	6 (15.24)	GR	M3AKK-2006J-ND	14.24 108.00
	Au 30µ	18 (45.72)	MC	M3AKK-2018R-ND	15.72 119.18
	Au 30µ	18 (45.72)	GR	M3AKK-2018J-ND	14.90 113.01
	Au 30µ	36 (91.44)	MC	M3AKK-2036R-ND	17.53 132.90
	Au 30µ	36 (91.44)	GR	M3AKK-2036J-ND	15.90 120.53
24	Au 30µ	6 (15.24)	MC	M3AKK-2406R-ND	16.52 125.21
	Au 30µ	6 (15.24)	GR	M3AKK-2406J-ND	16.19 122.75
	Au 30µ	18 (45.72)	MC	M3AKK-2418R-ND	17.97 136.17
	Au 30µ	18 (45.72)	GR	M3AKK-2418J-ND	16.99 128.80
	Au 30µ	36 (91.44)	MC	M3AKK-2436R-ND	20.13 152.61
	Au 30µ	36 (91.44)	GR	M3AKK-2436J-ND	18.19 137.88
26	Au 30µ	6 (15.24)	MC	M3AKK-2606R-ND	17.38 131.73
	Au 30µ	6 (15.24)	GR	M3AKK-2606J-ND	17.02 129.07
	Au 30µ	18 (45.72)	MC	M3AKK-2618R-ND	18.94 143.60
	Au 30µ	18 (45.72)	GR	M3AKK-2618J-ND	17.89 135.64
	Au 30µ	36 (91.44)	MC	M3AKK-2636R-ND	21.30 161.42
	Au 30µ	36 (91.44)	GR	M3AKK-2636J-ND	19.19 145.49
30	Au 30µ	6 (15.24)	MC	M3AKK-3006R-ND	19.57 148.33
	Au 30µ	6 (15.24)	GR	M3AKK-3006J-ND	19.11 144.86
	Au 30µ	18 (45.72)	MC	M3AKK-3018R-ND	21.61 163.86
	Au 30µ	18 (45.72)	GR	M3AKK-3018J-ND	20.24 153.46
	Au 30µ	36 (91.44)	MC	M3AKK-3036R-ND	24.69 187.15
	Au 30µ	36 (91.44)	GR	M3AKK-3036J-ND	21.95 166.36
34	Au 30µ	6 (15.24)	MC	M3AKK-3406R-ND	22.01 166.79
	Au 30µ	6 (15.24)	GR	M3AKK-3406J-ND	21.55 163.32
	Au 30µ	18 (45.72)	MC	M3AKK-3418R-ND	24.05 182.32
	Au 30µ	18 (45.72)	GR	M3AKK-3418J-ND	22.68 171.91
	Au 30µ	36 (91.44)	MC	M3AKK-3436R-ND	27.12 205.61
	Au 30µ	36 (91.44)	GR	M3AKK-3436J-ND	24.38 184.82
40	Au 30µ	6 (15.24)	MC	M3AKK-4006R-ND	25.00 189.51
	Au 30µ	6 (15.24)	GR	M3AKK-4006J-ND	24.46 185.44
	Au 30µ	18 (45.72)	MC	M3AKK-4018R-ND	27.41 207.79
	Au 30µ	18 (45.72)	GR	M3AKK-4018J-ND	25.80 195.56
	Au 30µ	36 (91.44)	MC	M3AKK-4036R-ND	31.03 235.20
	Au 30µ	36 (91.44)	GR	M3AKK-4036J-ND	27.80 210.74
50	Au 30µ	6 (15.24)	MC	M3AKK-5006R-ND	28.88 218.96
	Au 30µ	6 (15.24)	GR	M3AKK-5006J-ND	28.21 213.87
	Au 30µ	18 (45.72)	MC	M3AKK-5018R-ND	31.90 241.80
	Au 30µ	18 (45.72)	GR	M3AKK-5018J-ND	29.88 226.53
	Au 30µ	36 (91.44)	MC	M3AKK-5036R-ND	36.41 276.07
	Au 30µ	36 (91.44)	GR	M3AKK-5036J-ND	32.39 245.52
60	Au 30µ	6 (15.24)	MC	M3AKK-6006R-ND	34.82 263.97
	Au 30µ	6 (15.24)	GR	M3AKK-6006J-ND	34.01 257.85
	Au 30µ	18 (45.72)	MC	M3AKK-6018R-ND	38.43 291.38
	Au 30µ	18 (45.72)	GR	M3AKK-6018J-ND	36.02 273.02
	Au 30µ	36 (91.44)	MC	M3AKK-6036R-ND	43.87 332.50
	Au 30µ	36 (91.44)	GR	M3AKK-6036J-ND	39.02 295.79

Also available in the following configurations:
 M3AWK-□□□□□-ND – Socket Connector Standard; Pin Connector with Flange, with Polarizing Key
 M3BRK-□□□□□-ND – Socket Connector with SR; Pin Connector without Flange, with Polarizing Key and Strain Relief
 M3BYK-□□□□□-ND – Socket Connector with Strain Relief; Pin Connector with Flange, with Polarizing Key and Strain Relief
 M3CCK-□□□□□-ND – Socket Connector Open with Polarizing Key
 M3CWK-□□□□□-ND – Socket Connector with Polarizing Key; Pin Connector with Flange, with Polarizing Key
 M3DRK-□□□□□-ND – Socket Connector with Polarizing Key and SR; Pin Connector without Flange, with PK and SR
 M3DYK-□□□□□-ND – Socket Connector with Polarizing Key and SR; Pin Connector with Flange, with Polarizing Key and SR
 M3TKK-□□□□□-ND – Socket Connector Closed with Polarizing Key
 M3URK-□□□□□-ND – Socket Connector Closed End with PK and SR; Pin Connector without Flange, with PK and SR
 M3UYK-□□□□□-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!

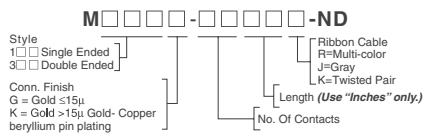
Socket Connector to Plug Connector

*Twisted Pair Cable Finished Length is Approximate.

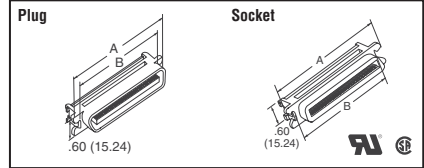
No. of Contacts	Conn. Finish	Length Inch (cm)	Rib-bon* Cable	Digi-Key Part No.	Pricing 1 10
10	Au 30µ	20 (50.80)	TW	M3AKK-1020K-ND	9.67 73.32
	Au 30µ	40 (101.60)	TW	M3AKK-1040K-ND	11.06 83.88
	Au 30µ	60 (152.40)	TW	M3AKK-1060K-ND	12.46 94.44
	Au 30µ	80 (203.20)	TW	M3AKK-1080K-ND	14.41 109.20
16	Au 30µ	20 (50.80)	TW	M3AKK-1620K-ND	14.41 109.20
	Au 30µ	40 (101.60)	TW	M3AKK-1640K-ND	16.63 126.09
	Au 30µ	60 (152.40)	TW	M3AKK-1660K-ND	18.86 142.99
	Au 30µ	80 (203.20)	TW	M3AKK-1680K-ND	16.70 126.60
20	Au 30µ	20 (50.80)	TW	M3AKK-2040K-ND	19.48 147.72
	Au 30µ	40 (101.60)	TW	M3AKK-2060K-ND	22.27 168.84
	Au 30µ	60 (152.40)	TW	M3AKK-2080K-ND	20.21 153.24
	Au 30µ	80 (203.20)	TW	M3AKK-2100K-ND	23.83 180.70
26	Au 30µ	20 (50.80)	TW	M3AKK-2620K-ND	27.46 208.15
	Au 30µ	40 (101.60)	TW	M3AKK-2640K-ND	27.46 208.15
	Au 30µ	60 (152.40)	TW	M3AKK-2660K-ND	27.46 208.15
	Au 30µ	80 (203.20)	TW	M3AKK-2680K-ND	27.46 208.15

No. of Contacts	Conn. Finish	Length Inch (cm)	Rib-bon* Cable	Digi-Key Part No.	Pricing 1 10
34	Au 30µ	20 (50.80)	TW	M3AKK-3420K-ND	25.71 194.92
	Au 30µ	40 (101.60)	TW	M3AKK-3440K-ND	30.44 230.82
	Au 30µ	60 (152.40)	TW	M3AKK-3460K-ND	35.18 266.71
40	Au 30µ	20 (50.80)	TW	M3AKK-4020K-ND	29.37 222.61
	Au 30µ	40 (101.60)	TW	M3AKK-4040K-ND	34.93 264.85
	Au 30µ	60 (152.40)	TW	M3AKK-4060K-ND	40.51 307.08
50	Au 30µ	20 (50.80)	TW	M3AKK-5020K-ND	34.34 260.33
	Au 30µ	40 (101.60)	TW	M3AKK-5040K-ND	41.31 313.13
	Au 30µ	60 (152.40)	TW	M3AKK-5060K-ND	48.28 365.93
60	Au 30µ	20 (50.80)	TW	M3AKK-6020K-ND	41.37 313.61
	Au 30µ	40 (101.60)	TW	M3AKK-6040K-ND	49.72 376.97
	Au 30µ	60 (152.40)	TW	M3AKK-6060K-ND	58.08 440.31

Also available in the following configurations:
 M3AWK-□□□□□-ND – Socket Connector/Pin Connector w/ Flange w/ PK.
 M3BRK-□□□□□-ND – Socket Connector with SR, Pin Connector without Flange with PK and SR.
 M3BYK-□□□□□-ND – Socket Connector with SR, Pin Connector with Flange with PK and SR.
 M3CCK-□□□□□-ND – Socket Connector with PK, Pin Connector without Flange with PK.
 M3CWK-□□□□□-ND – Socket Connector with PK, Pin Connector with Flange with PK.
 M3DRK-□□□□□-ND – Socket Connector with PK and SR, Pin Connector without Flange with PK and SR.
 M3DYK-□□□□□-ND – Socket Connector with PK and SR, Pin Connector with Flange with PK and SR.
 M3TKK-□□□□□-ND – Closed End Socket Connector with PK, Pin Connector without Flange with PK.
 M3URK-□□□□□-ND – Closed End Socket Connector with PK and SR, Pin Connector without Flange with PK and SR.
 M3UYK-□□□□□-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

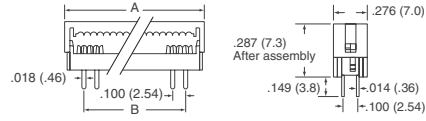


Physical Specifications: • Insulation Material: Glass reinforced polyester (PBT) • Flammability Rating: UL94V-0 • Color: Gray • Contact Material: Flat Cable Connectors: Beryllium copper • Latch Eject Headers: Copper alloy
 • Plating: 30µ" gold
Electrical Specifications: • Current Rating: 1A • Insulation Resistance: >1x10⁹ Ω @ 500VDC • Withstanding Voltage: 1000V RMS @ 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** on 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 1 10	3M Part No.
Plugs				
14	1.75 (44.45)	MDA14K-ND	16.25 123.16	3572-1000
	1.58 (40.13)	MDC14K-ND	17.67 133.96	3572-1001
	2.17 (55.12)	MDA24K-ND	17.15 130.01	3548-1000
24	2.00 (50.80)	MDC24K-ND	18.02 136.60	3548-1001
	2.17 (55.12)	MDB24K-ND	20.74 157.17	3548-1002
	2.68 (68.07)	MDA36K-ND	17.95 136.07	3366-1000
36	2.52 (64.01)	MDC36K-ND	18.22 138.18	3366-1001
	3.27 (83.06)	MDA50K-ND	18.62 141.09	3564-1000
	3.11 (78.99)	MDC50K-ND	19.20 145.57	3564-1001
50	3.27 (83.06)	MDB50K-ND	21.95 166.41	3564-1002
	Sockets			
	14	1.58 (40.13)	MDF14K-ND	17.67 133.96
2.17 (55.12)		MDD24K-ND	17.15 130.01	3549-1000
2.17 (55.12)		MDE24K-ND	18.34 138.98	3549-1002
36	2.68 (68.07)	MDD36K-ND	17.95 136.07	3367-1000
	2.52 (64.01)	MDF36K-ND	18.22 138.18	3367-1001
	2.68 (68.07)	MDE36K-ND	20.74 157.17	3367-1002
50	3.27 (83.06)	MDD50K-ND	18.62 141.09	3565-1000
	3.27 (83.06)	MDE50K-ND	21.95 166.41	3565-1002

No. of Cont.	Dim. - Inch (mm)	Digi-Key Part No.	Pricing 1 10	3M Part No.
Backshells				
50	—	MDBF50-ND	4.48 37.70	3485-2500
Metal Strain Reliefs				
14	—	MDSF14-ND	4.28 32.44	3448-60
24	—	MDSF24-ND	4.28 32.44	3448-61
36	—	MDSF36-ND	4.52 34.28	3448-62
50	—	MDSF50-ND	4.70 35.61	3448-63

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)	Digi-Key Part No.	Pricing 1 10	3M Part No.	
Gold Flash					
10	0.685 (17.4)	MDM10H-ND	3.45 26.11	7810-0006-PR	
14	0.886 (22.5)	MDM14H-ND	3.86 29.28	7814-0006-PR	
16	0.985 (25)	0.701 (17.8)	MDM16H-ND	3.93 29.80	7816-0006-PR
20	1.185 (30.1)	0.901 (22.9)	MDM20H-ND	3.89 29.54	7820-0006-PR
26	1.484 (37.7)	1.200 (30.5)	MDM26H-ND	4.84 36.66	7826-0006-PR
30	1.685 (42.8)	1.401 (35.6)	MDM30H-ND	5.22 39.56	7830-0006-PR
34	1.886 (47.9)	1.599 (40.6)	MDM34H-ND	5.18 39.30	7834-0006-PR
40	2.185 (55.5)	1.901 (48.3)	MDM40H-ND	6.16 46.68	7840-0006-PR
50	2.685 (68.2)	2.401 (61)	MDM50H-ND	7.24 54.85	7850-0006-PR
60	3.185 (80.9)	2.901 (73.7)	MDM60H-ND	7.93 60.13	7860-0006-PR
Tooling					
Bench Press Assembly Tool		3M9426-ND	506.24/1	3640	
Cable Shear for 3640		3M9427-ND	1555.31/1	3320	
Tool Platen Assembly		3M9433-ND	108.57/1	3442-9	
Locator Plate 78XX Series		3M9444-ND	232.22/1	3443-71	

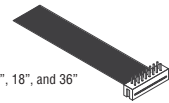
3M PCB Cable Assemblies



Single Ended — Style 2

Connector Finish: Tin

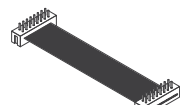
Standard length for single ended assembly is 6", 18", and 36"
 Dip Connector without Strain Relief Shown
 Pin #1 on connector is connected to 2nd conductor on cable



Double Ended — Style 6

Connector Finish: Tin

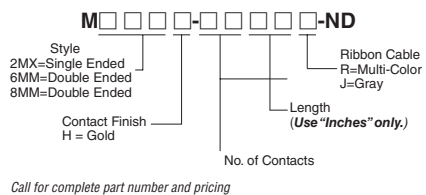
Standard length for double ended assemblies are 6", 18", and 36"
 Dip Connector without Strain Relief Shown
 Pin #1 on connector is connected to 2nd conductor on cable



Double Ended — Style 8

Connector Finish: Tin

Standard length for double ended assemblies are 6", 18", and 36"
 Dip Connector without Strain Relief Shown
 Pin #1 on connector is connected to 2nd conductor on cable



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