

**3M Termination Jumpers**



**Socket Connector to Plug Connector (Cont.)**

No. of Contacts	Conn. Finish	Length Inch (cm)	Ribbon Cable	Digi-Key Part No.	Pricing	
					1	10
30	Au 30µ"	36 (91.44)	MC	M3AKK-3036R-ND	16.75	146.85
	Au 30µ"	36 (91.44)	GR	M3AKK-3036J-ND	14.70	128.91
34	Au 30µ"	6 (15.24)	MC	M3AKK-3406R-ND	14.92	130.86
	Au 30µ"	6 (15.24)	GR	M3AKK-3406J-ND	14.59	127.87
	Au 30µ"	18 (45.72)	MC	M3AKK-3418R-ND	16.31	143.05
	Au 30µ"	18 (45.72)	GR	M3AKK-3418J-ND	15.29	134.08
	Au 30µ"	36 (91.44)	MC	M3AKK-3436R-ND	18.40	161.33
	Au 30µ"	36 (91.44)	GR	M3AKK-3436J-ND	16.35	143.39
40	Au 30µ"	6 (15.24)	MC	M3AKK-4006R-ND	16.96	148.70
	Au 30µ"	6 (15.24)	GR	M3AKK-4006J-ND	16.55	145.18
	Au 30µ"	18 (45.72)	MC	M3AKK-4018R-ND	18.59	163.04
	Au 30µ"	18 (45.72)	GR	M3AKK-4018J-ND	17.39	152.49
	Au 30µ"	36 (91.44)	MC	M3AKK-4036R-ND	21.05	184.54
	Au 30µ"	36 (91.44)	GR	M3AKK-4036J-ND	18.64	163.44
50	Au 30µ"	6 (15.24)	MC	M3AKK-5006R-ND	19.59	171.80
	Au 30µ"	6 (15.24)	GR	M3AKK-5006J-ND	19.09	167.40
	Au 30µ"	18 (45.72)	MC	M3AKK-5018R-ND	21.63	189.73
	Au 30µ"	18 (45.72)	GR	M3AKK-5018J-ND	20.13	176.53
	Au 30µ"	36 (91.44)	MC	M3AKK-5036R-ND	24.70	216.61
	Au 30µ"	36 (91.44)	GR	M3AKK-5036J-ND	21.69	190.23
60	Au 30µ"	6 (15.24)	MC	M3AKK-6006R-ND	23.62	207.11
	Au 30µ"	6 (15.24)	GR	M3AKK-6006J-ND	23.01	201.84
	Au 30µ"	18 (45.72)	MC	M3AKK-6018R-ND	26.07	228.62
	Au 30µ"	18 (45.72)	GR	M3AKK-6018J-ND	24.26	212.79
	Au 30µ"	36 (91.44)	MC	M3AKK-6036R-ND	29.75	260.88
	Au 30µ"	36 (91.44)	GR	M3AKK-6036J-ND	26.14	229.23

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
- M3CKK-□□□□-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.



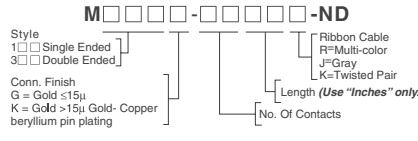
No. of Contacts	Conn. Finish	Length Inch (cm)	Ribbon Cable	Digi-Key Part No.	Pricing	
					1	10
10	Au 30µ"	20 (50.80)	TW	M3AKK-1020K-ND	6.56	57.53
	Au 30µ"	40 (101.60)	TW	M3AKK-1040K-ND	7.51	65.81
	Au 30µ"	60 (152.40)	TW	M3AKK-1060K-ND	8.45	74.10
16	Au 30µ"	20 (50.80)	TW	M3AKK-1620K-ND	9.77	85.68
	Au 30µ"	40 (101.60)	TW	M3AKK-1640K-ND	11.28	98.93
	Au 30µ"	60 (152.40)	TW	M3AKK-1660K-ND	12.79	112.19
20	Au 30µ"	20 (50.80)	TW	M3AKK-2020K-ND	11.33	99.33
	Au 30µ"	40 (101.60)	TW	M3AKK-2040K-ND	13.22	115.91
	Au 30µ"	60 (152.40)	TW	M3AKK-2060K-ND	15.11	132.47
26	Au 30µ"	20 (50.80)	TW	M3AKK-2620K-ND	13.71	120.24
	Au 30µ"	40 (101.60)	TW	M3AKK-2640K-ND	16.17	141.78
	Au 30µ"	60 (152.40)	TW	M3AKK-2660K-ND	18.62	163.32
34	Au 30µ"	20 (50.80)	TW	M3AKK-3420K-ND	17.44	152.93
	Au 30µ"	40 (101.60)	TW	M3AKK-3440K-ND	20.65	181.10
	Au 30µ"	60 (152.40)	TW	M3AKK-3460K-ND	23.86	209.27
40	Au 30µ"	20 (50.80)	TW	M3AKK-4020K-ND	19.92	174.67
	Au 30µ"	40 (101.60)	TW	M3AKK-4040K-ND	23.70	207.80
	Au 30µ"	60 (152.40)	TW	M3AKK-4060K-ND	27.48	240.94
50	Au 30µ"	20 (50.80)	TW	M3AKK-5020K-ND	23.29	204.26
	Au 30µ"	40 (101.60)	TW	M3AKK-5040K-ND	28.02	245.69
	Au 30µ"	60 (152.40)	TW	M3AKK-5060K-ND	32.74	287.11
60	Au 30µ"	20 (50.80)	TW	M3AKK-6020K-ND	28.06	246.06
	Au 30µ"	40 (101.60)	TW	M3AKK-6040K-ND	33.73	295.77
	Au 30µ"	60 (152.40)	TW	M3AKK-6060K-ND	39.40	345.48

Also available in the following configurations:

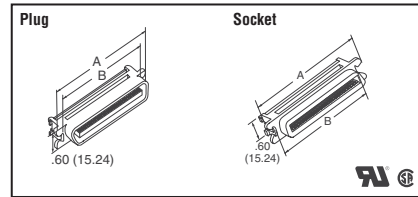
- M3AWK-□□□□K-ND – Socket Connector/Pin Connector w/ Flange w/ PK
- M3BRK-□□□□K-ND – Socket Connector with SR, Pin Connector without Flange with PK and SR
- M3BYK-□□□□K-ND – Socket Connector with SR, Pin Connector with Flange with PK and SR
- M3CKK-□□□□K-ND – Socket Connector with PK, Pin Connector without 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**

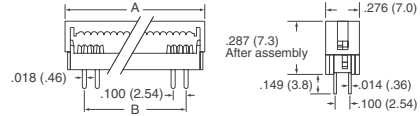


**Physical Specifications:**  
 • Insulation Material: Glass reinforced polyester (PBT) • Flammability Rating: UL94V-0 • Color: Gray • Contact Material: Flat Cable Connectors: Beryllium copper • Latch Eject Headers: Copper alloy • Plating: 30µ" gold  
**Electrical Specifications:** • Current Rating: 1A • Insulation Resistance: >1x10<sup>9</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  
 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		3M Part No.
	A	B		1	10	
<b>Plugs</b>						
14	1.75 (44.45)	1.42 (36.07)	MDA14K-ND	4.03	33.93	3572-1000
	1.58 (40.13)	1.20 (30.48)	MDC14K-ND	4.65	39.13	3572-1001
	1.75 (44.45)	1.42 (36.07)	MDB14K-ND	4.33	36.47	3572-1002
24	2.17 (55.12)	1.84 (46.74)	MDA24K-ND	4.70	39.52	3548-1000
	2.00 (50.80)	1.63 (41.40)	MDC24K-ND	4.44	37.35	3548-1001
	2.17 (55.12)	1.84 (46.74)	MDB24K-ND	5.75	48.41	3548-1002
36	2.68 (68.07)	2.35 (59.69)	MDA36K-ND	5.92	49.80	3366-1000
	2.52 (64.01)	2.14 (54.36)	MDC36K-ND	5.44	45.74	3366-1001
	2.68 (68.07)	2.35 (59.69)	MDB36K-ND	5.58	46.89	3366-1002
50	3.27 (83.06)	2.95 (74.93)	MDA50K-ND	6.49	54.63	3564-1000
	3.11 (78.99)	2.73 (69.34)	MDC50K-ND	6.90	58.07	3564-1001
	3.27 (83.06)	2.95 (74.93)	MDB50K-ND	6.84	57.56	3564-1002
<b>Sockets</b>						
14	1.75 (44.45)	1.42 (36.07)	MDI14K-ND	5.37	45.23	3573-1000
	1.58 (40.13)	1.20 (30.48)	MDI14K-ND	3.72	31.25	3573-1001
	1.75 (44.45)	1.42 (36.07)	MDI14K-ND	5.72	48.16	3573-1002
24	2.17 (55.12)	1.84 (46.74)	MDI24K-ND	4.23	35.57	3549-1000
	2.00 (50.80)	1.63 (41.40)	MDI24K-ND	4.41	37.10	3549-1001
	2.17 (55.12)	1.84 (46.74)	MDI24K-ND	4.49	37.74	3549-1002
36	2.68 (68.07)	2.35 (59.69)	MDI36K-ND	5.18	43.58	3367-1000
	2.52 (64.01)	2.14 (54.36)	MDI36K-ND	5.82	48.92	3367-1001
	2.68 (68.07)	2.35 (59.69)	MDI36K-ND	6.16	51.84	3367-1002
50	3.27 (83.06)	2.95 (74.93)	MDI50K-ND	6.18	51.97	3565-1000
	3.11 (78.99)	2.73 (69.34)	MDI50K-ND	7.33	61.62	3565-1001
	3.27 (83.06)	2.95 (74.93)	MDI50K-ND	6.84	57.56	3565-1002
<b>Backshells</b>						
50	—	—	MDBF50-ND	2.69	22.61	3485-2500
<b>Metal Strain Reliefs</b>						
14	—	—	MDSF14-ND	.35	2.93	3448-60
24	—	—	MDSF24-ND	.35	2.93	3448-61
36	—	—	MDSF36-ND	.52	4.32	3448-62
50	—	—	MDSF50-ND	.53	4.45	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		3M Part No.
	A	B		1	10	
<b>Gold Flash</b>						
10	0.685 (17.4)	0.402 (10.2)	MDM10H-ND	2.52	20.49	7810-0006-PR
14	0.886 (22.5)	0.599 (15.2)	MDM14H-ND	2.82	22.97	7814-0006-PR
16	0.985 (25)	0.701 (17.8)	MDM16H-ND	2.87	23.38	7816-0006-PR
20	1.185 (30.1)	0.901 (22.9)	MDM20H-ND	2.85	23.17	7820-0006-PR
26	1.484 (37.7)	1.200 (30.5)	MDM26H-ND	3.54	28.76	7826-0006-PR
30	1.685 (42.8)	1.401 (35.6)	MDM30H-ND	3.81	31.04	7830-0006-PR
34	1.886 (47.9)	1.599 (40.6)	MDM34H-ND	3.79	30.83	7834-0006-PR
40	2.185 (55.5)	1.901 (48.3)	MDM40H-ND	4.50	36.63	7840-0006-PR
50	2.685 (68.2)	2.401 (61)	MDM50H-ND	5.29	43.04	7850-0006-PR
60	3.185 (80.9)	2.901 (73.7)	MDM60H-ND	5.79	47.18	7860-0006-PR

**3M PCB Cable Assemblies**



**Single Ended — Style 2**



Connector Finish: Tin

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

No. of Cont.	Length Inch (cm)	Ribbon Cable	Digi-Key Part No.	Pricing		
				1	10	100
10	6 (15.24)	MC	M2MXH-1006R-ND	2.54	22.27	164.14
	6 (15.24)	GR	M2MXH-1006J-ND	2.45	21.50	158.38
	18 (45.72)	MC	M2MXH-1018R-ND	2.95	25.86	190.56
	18 (45.72)	GR	M2MXH-1018J-ND	2.68	23.52	173.27
	36 (91.44)	MC	M2MXH-1036R-ND	3.56	31.24	230.19
	36 (91.44)	GR	M2MXH-1036J-ND	3.03	26.55	195.61
14	6 (15.24)	MC	M2MXH-1406R-ND	2.90	25.48	187.72
	6 (15.24)	GR	M2MXH-1406J-ND	2.77	24.25	178.65
	18 (45.72)	MC	M2MXH-1418R-ND	3.48	30.49	224.70
	18 (45.72)	GR	M2MXH-1418J-ND	3.06	26.80	197.49
	36 (91.44)	MC	M2MXH-1436R-ND	4.33	38.02	280.18
	36 (91.44)	GR	M2MXH-1436J-ND	4.49	30.64	225.75
16	6 (15.24)	MC	M2MXH-1606R-ND	2.99	26.25	193.41
	6 (15.24)	GR	M2MXH-1606J-ND	2.83	24.84	185.05
	18 (45.72)	MC	M2MXH-1618R-ND	3.64	31.99	255.67
	18 (45.72)	GR	M2MXH-1618J-ND	3.17	27.76	204.57
	36 (91.44)	MC	M2MXH-1636R-ND	4.63	40.59	299.