

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	23.07	202.27
	Au 30µ*	36 (91.44)	GR	M3AKK-3036J-ND	20.25	177.56
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
	Au 30µ*	36 (91.44)	GR	M3AKK-3436J-ND	22.52	197.51
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
	Au 30µ*	36 (91.44)	GR	M3AKK-4036J-ND	25.67	225.13
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
	Au 30µ*	36 (91.44)	GR	M3AKK-5036J-ND	29.88	262.02
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
	Au 30µ*	36 (91.44)	GR	M3AKK-6036J-ND	36.01	315.74

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.



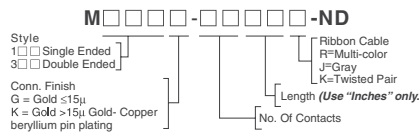
No. of Contacts	Conn. Finish	Length Inch (cm)	Ribbon Cable	Digi-Key Part No.	Pricing	
					1	10
10	Au 30µ*	20 (50.80)	TW	M3AKK-1020K-ND	9.04	79.24
	Au 30µ*	40 (101.60)	TW	M3AKK-1040K-ND	10.34	90.65
	Au 30µ*	60 (152.40)	TW	M3AKK-1060K-ND	11.64	102.06
16	Au 30µ*	20 (50.80)	TW	M3AKK-1620K-ND	13.46	118.01
	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:

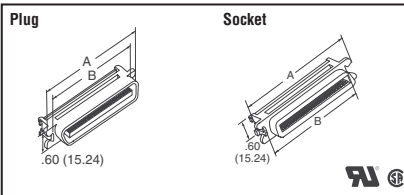
- M3AWK-□□□□K-ND - Socket Connector/Pin Connector w/ Flange w/ PK
- M3BRK-□□□□K-ND - Socket Connector with SR, Pin Connector without Flange with PK and SR.
- M3BYK-□□□□K-ND - Socket Connector with SR, Pin Connector with Flange with PK and SR.
- M3CKK-□□□□K-ND - Socket Connector with PK, Pin Connector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

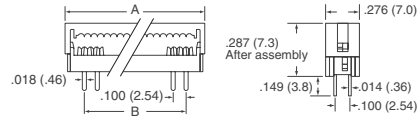


- Physical Specifications:**
 - Insulation Material: Glass reinforced polyester (PBT)
 - Flammability Rating: UL94V-0
 - Color: Gray
 - Contact Material: Flat Cable Connectors: Beryllium copper
 - Latch Eject Headers: Copper alloy
 - Plating: 30µ* gold
 - Electrical Specifications:**
 - Current Rating: 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 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	
Plugs						
14	1.75 (44.45)	1.42 (36.07)	MDA14K-ND	5.24	44.10	3572-1000
	1.58 (40.13)	1.20 (30.48)	MDC14K-ND	6.05	50.93	3572-1001
	1.75 (44.45)	1.42 (36.07)	MDB14K-ND	5.64	47.43	3572-1002
24	2.17 (55.12)	1.84 (46.74)	MDA24K-ND	6.09	51.28	3548-1000
	2.00 (50.80)	1.63 (41.40)	MDC24K-ND	5.76	48.48	3548-1001
	2.17 (55.12)	1.84 (46.74)	MDB24K-ND	7.47	62.83	3548-1002
36	2.68 (68.07)	2.35 (59.69)	MDA36K-ND	7.70	64.75	3366-1000
	2.52 (64.01)	2.14 (54.36)	MDC36K-ND	7.07	59.50	3366-1001
	2.68 (68.07)	2.35 (59.69)	MDB36K-ND	7.24	60.90	3366-1002
50	3.27 (83.06)	2.95 (74.93)	MDA50K-ND	8.44	71.05	3564-1000
	3.11 (78.99)	2.73 (69.34)	MDC50K-ND	8.96	75.43	3564-1001
	3.27 (83.06)	2.95 (74.93)	MDB50K-ND	8.88	74.73	3564-1002
Sockets						
14	1.75 (44.45)	1.42 (36.07)	MDI14K-ND	6.99	58.80	3573-1000
	1.58 (40.13)	1.20 (30.48)	MDI14K-ND	4.83	40.60	3573-1001
	1.75 (44.45)	1.42 (36.07)	MDI14K-ND	7.45	62.65	3573-1002
24	2.17 (55.12)	1.84 (46.74)	MDI24K-ND	5.49	46.20	3549-1000
	2.00 (50.80)	1.63 (41.40)	MDI24K-ND	5.72	48.13	3549-1001
	2.17 (55.12)	1.84 (46.74)	MDI24K-ND	5.82	49.00	3549-1002
36	2.68 (68.07)	2.35 (59.69)	MDI36K-ND	6.74	56.70	3367-1000
	2.52 (64.01)	2.14 (54.36)	MDI36K-ND	7.55	63.53	3367-1001
	2.68 (68.07)	2.35 (59.69)	MDI36K-ND	8.01	67.38	3367-1002
50	3.27 (83.06)	2.95 (74.93)	MDI50K-ND	8.03	67.55	3565-1000
	3.11 (78.99)	2.73 (69.34)	MDI50K-ND	9.53	80.15	3565-1001
	3.27 (83.06)	2.95 (74.93)	MDI50K-ND	8.88	74.73	3565-1002
Backshells						
50	—	—	MDBF50-ND	3.70	31.15	3485-2500
Metal Strain Reliefs						
14	—	—	MDSF14-ND	.46	3.85	3448-60
24	—	—	MDSF24-ND	.46	3.85	3448-61
36	—	—	MDSF36-ND	.67	6.00	3448-62
50	—	—	MDSF50-ND	.69	5.78	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	
Gold Flash						
10	0.685 (17.4)	0.402 (10.2)	MDM10H-ND	3.47	28.22	7810-0006-PR
14	0.886 (22.5)	0.599 (15.2)	MDM14H-ND	3.89	31.64	7814-0006-PR
16	0.985 (25)	0.701 (17.8)	MDM16H-ND	3.96	32.21	7816-0006-PR
20	1.185 (30.1)	0.901 (22.9)	MDM20H-ND	3.92	31.92	7820-0006-PR
26	1.484 (37.7)	1.200 (30.5)	MDM26H-ND	4.87	39.62	7826-0006-PR
30	1.685 (42.8)	1.401 (35.6)	MDM30H-ND	5.25	42.75	7830-0006-PR
34	1.886 (47.9)	1.599 (40.6)	MDM34H-ND	5.22	42.47	7834-0006-PR
40	2.185 (55.5)	1.901 (48.3)	MDM40H-ND	6.20	50.45	7840-0006-PR
50	2.685 (68.2)	2.401 (61)	MDM50H-ND	7.28	59.28	7850-0006-PR
60	3.185 (80.9)	2.901 (73.7)	MDM60H-ND	7.98	64.98	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	3.34	29.26	215.59
	6 (15.24)	GR	M2MXH-1006J-ND	3.21	28.18	207.65
	18 (45.72)	MC	M2MXH-1018R-ND	3.90	34.20	251.98
	18 (45.72)	GR	M2MXH-1018J-ND	3.53	30.97	228.17
	36 (91.44)	MC	M2MXH-1036R-ND	4.74	41.60	306.56
	36 (91.44)	GR	M2MXH-1036J-ND	4.01	35.14	258.93
14	6 (15.24)	MC	M2MXH-1406R-ND	3.84	33.67	248.07
	6 (15.24)	GR	M2MXH-1406J-ND	3.65	31.97	235.57
	18 (45.72)	MC	M2MXH-1418R-ND	4.63	40.58	299.01
	18 (45.72)	GR	M2MXH-1418J-ND	4.05	35.49	261.52
	36 (91.44)	MC	M2MXH-1436R-ND	5.81	50.95	375.42
	36 (91.44)	GR	M2MXH-1436J-ND	4.65	40.77	300.45
16	6 (15.24)	MC	M2MXH-1606R-ND	3.96	34.73	255.91
	6 (15.24)	GR	M2MXH-1606J-ND	3.74	32.79	241.63
	18 (45.72)	MC	M2MXH-161			