

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

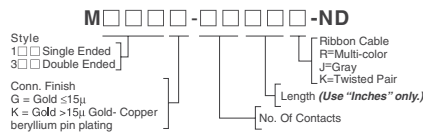
M3DYK-□□□□K-ND - Socket Connector with PK and SR, Pin Connector with Flange with PK and SR

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

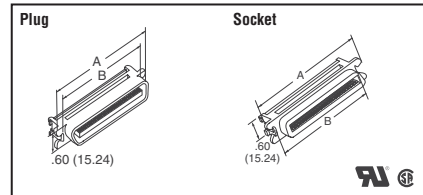
M3URK-□□□□K-ND - Closed End Socket Connector with PK and SR, Pin Connector without Flange with PK and SR

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: >1x10⁹ Ω @ 500VDC • Withstanding Voltage: 1000VRMS @ sea level

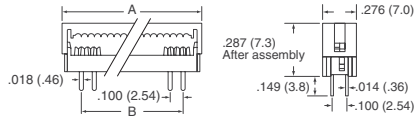
Environmental Specifications: • Temperature Rating: -55°C ~ 105°C • UL File No.: E68080; CSA File No.: LR-40971

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	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
Sockets						
14	1.75 (44.45)	1.42 (36.07)	MDD14K-ND	5.37	45.23	3573-1000
	1.58 (40.13)	1.20 (30.48)	MDF14K-ND	3.72	31.25	3573-1001
	1.75 (44.45)	1.42 (36.07)	MDE14K-ND	5.72	48.16	3573-1002
24	2.17 (55.12)	1.84 (46.74)	MDD24K-ND	4.23	35.57	3549-1000
	2.17 (55.12)	1.84 (46.74)	MDF24K-ND	4.41	37.10	3549-1001
	2.17 (55.12)	1.84 (46.74)	MDE24K-ND	4.49	37.74	3549-1002
36	2.68 (68.07)	2.35 (59.69)	MDD36K-ND	5.18	43.58	3367-1000
	2.52 (64.01)	2.14 (54.36)	MDF36K-ND	5.82	48.92	3367-1001
	2.68 (68.07)	2.35 (59.69)	MDE36K-ND	6.16	51.84	3367-1002
50	3.27 (83.06)	2.95 (74.93)	MDD50K-ND	6.18	51.97	3565-1000
	3.11 (78.99)	2.73 (69.34)	MDF50K-ND	7.33	61.62	3565-1001
	3.27 (83.06)	2.95 (74.93)	MDE50K-ND	6.84	57.56	3565-1002
Backshells						
50	—	—	MDBF50-ND	2.69	22.61	3485-2500
Metal Strain Reliefs						
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	
Gold Flash						
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	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	39.64	225.75
16	6 (15.24)	MC	M2MXH-1606R-ND	2.99	26.25	193.41