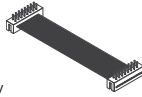


# 3M PCB Cable Assemblies (Cont.)



## Double Ended — Style 6

Connector Finish: Tin



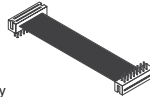
\*MC = 3M Multi-Color, GR = 3M Gray

No. of Cont.	Length Inch (cm)	Ribbon Cable	Digi-Key Part No.	Pricing		
				1	10	100
10	6 (15.24)	MC	M6MMH-1006R-ND	6.39	56.05	412.99
	6 (15.24)	GR	M6MMH-1006J-ND	6.27	54.97	405.05
	18 (45.72)	MC	M6MMH-1018R-ND	6.95	60.99	449.38
	18 (45.72)	GR	M6MMH-1018J-ND	6.59	57.76	425.57
	36 (91.44)	MC	M6MMH-1036R-ND	7.80	68.39	503.96
36 (91.44)	GR	M6MMH-1036J-ND	7.06	61.93	456.33	
14	6 (15.24)	MC	M6MMH-1406R-ND	7.28	63.88	470.67
	6 (15.24)	GR	M6MMH-1406J-ND	7.09	62.18	458.17
	18 (45.72)	MC	M6MMH-1418R-ND	8.07	70.79	521.61
	18 (45.72)	GR	M6MMH-1418J-ND	7.49	65.70	484.12
	36 (91.44)	MC	M6MMH-1436R-ND	9.26	81.16	598.02
36 (91.44)	GR	M6MMH-1436J-ND	8.09	70.98	523.05	
16	6 (15.24)	MC	M6MMH-1606R-ND	7.47	65.51	482.71
	6 (15.24)	GR	M6MMH-1606J-ND	7.25	63.57	468.43
	18 (45.72)	MC	M6MMH-1618R-ND	8.37	73.41	540.92
	18 (45.72)	GR	M6MMH-1618J-ND	7.71	67.60	498.08
	36 (91.44)	MC	M6MMH-1636R-ND	9.72	85.26	628.24
36 (91.44)	GR	M6MMH-1636J-ND	8.40	73.63	542.56	
20	6 (15.24)	MC	M6MMH-2006R-ND	7.19	63.08	464.78
	6 (15.24)	GR	M6MMH-2006J-ND	6.92	60.66	446.94
	18 (45.72)	MC	M6MMH-2018R-ND	8.42	72.95	537.55
	18 (45.72)	GR	M6MMH-2018J-ND	7.49	65.69	484.01
	36 (91.44)	MC	M6MMH-2036R-ND	10.01	87.77	646.70
36 (91.44)	GR	M6MMH-2036J-ND	8.35	73.23	539.62	
26	6 (15.24)	MC	M6MMH-2606R-ND	9.31	81.66	601.70
	6 (15.24)	GR	M6MMH-2606J-ND	8.95	78.51	578.49
	18 (45.72)	MC	M6MMH-2618R-ND	10.78	94.50	696.30
	18 (45.72)	GR	M6MMH-2618J-ND	9.70	85.05	626.68
	36 (91.44)	MC	M6MMH-2636R-ND	12.97	113.75	838.19
36 (91.44)	GR	M6MMH-2636J-ND	10.32	94.86	698.96	
34	6 (15.24)	MC	M6MMH-3406R-ND	9.73	85.34	628.85
	6 (15.24)	GR	M6MMH-3406J-ND	9.26	81.23	598.51
	18 (45.72)	MC	M6MMH-3418R-ND	11.65	102.13	752.56
	18 (45.72)	GR	M6MMH-3418J-ND	10.24	89.78	661.53

No. of Cont.	Length Inch (cm)	Ribbon Cable	Digi-Key Part No.	Pricing		
				1	10	100
34	36 (91.44)	MC	M6MMH-3436R-ND	14.52	127.32	938.11
	36 (91.44)	GR	M6MMH-3436J-ND	11.70	102.61	756.06
40	6 (15.24)	MC	M6MMH-4006R-ND	12.11	106.21	782.57
	6 (15.24)	GR	M6MMH-4006J-ND	11.56	101.36	746.88
	18 (45.72)	MC	M6MMH-4018R-ND	14.36	125.96	928.10
	18 (45.72)	GR	M6MMH-4018J-ND	12.71	111.43	821.03
	36 (91.44)	MC	M6MMH-4036R-ND	17.74	155.58	1146.39
36 (91.44)	GR	M6MMH-4036J-ND	14.43	126.52	932.25	
50	6 (15.24)	MC	M6MMH-5006R-ND	14.28	125.20	922.56
	6 (15.24)	GR	M6MMH-5006J-ND	13.59	119.15	877.93
	18 (45.72)	MC	M6MMH-5018R-ND	17.09	149.89	1104.47
	18 (45.72)	GR	M6MMH-5018J-ND	15.02	131.72	970.60
	36 (91.44)	MC	M6MMH-5036R-ND	21.32	186.93	1377.35
36 (91.44)	GR	M6MMH-5036J-ND	17.17	150.59	1109.60	
60	6 (15.24)	MC	M6MMH-6006R-ND	15.79	138.50	1020.55
	6 (15.24)	GR	M6MMH-6006J-ND	14.97	131.24	967.00
	18 (45.72)	MC	M6MMH-6018R-ND	19.17	168.13	1238.84
	18 (45.72)	GR	M6MMH-6018J-ND	16.69	146.33	1078.21
	36 (91.44)	MC	M6MMH-6036R-ND	24.24	212.57	1566.29
36 (91.44)	GR	M6MMH-6036J-ND	19.27	168.97	1245.03	

## Double Ended — Style 8

Connector Finish: Tin



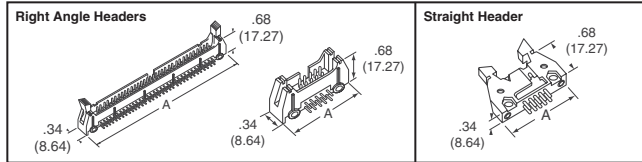
\*MC = 3M Multi-Color, GR = 3M Gray

No. of Cont.	Length Inch (cm)	Ribbon Cable	Digi-Key Part No.	Pricing		
				1	10	100
10	6 (15.24)	MC	M8MMH-1006R-ND	6.39	56.05	412.99
	6 (15.24)	GR	M8MMH-1006J-ND	6.27	54.97	405.05
	18 (45.72)	MC	M8MMH-1018R-ND	6.95	60.99	449.38
	18 (45.72)	GR	M8MMH-1018J-ND	6.59	57.76	425.57
	36 (91.44)	MC	M8MMH-1036R-ND	7.80	68.39	503.96
36 (91.44)	GR	M8MMH-1036J-ND	7.06	61.93	456.33	
14	6 (15.24)	MC	M8MMH-1406R-ND	7.28	63.88	470.67
	6 (15.24)	GR	M8MMH-1406J-ND	7.09	62.18	458.17
	18 (45.72)	MC	M8MMH-1418R-ND	8.07	70.79	521.61
	18 (45.72)	GR	M8MMH-1418J-ND	7.49	65.70	484.12
	36 (91.44)	MC	M8MMH-1436R-ND	9.26	81.16	598.02
36 (91.44)	GR	M8MMH-1436J-ND	8.09	70.98	523.05	

No. of Cont.	Length Inch (cm)	Ribbon Cable	Digi-Key Part No.	Pricing		
				1	10	100
16	6 (15.24)	MC	M8MMH-1606R-ND	7.47	65.51	482.71
	6 (15.24)	GR	M8MMH-1606J-ND	7.25	63.57	468.43
	18 (45.72)	MC	M8MMH-1618R-ND	8.37	73.41	540.92
	18 (45.72)	GR	M8MMH-1618J-ND	7.71	67.60	498.08
	36 (91.44)	MC	M8MMH-1636R-ND	9.72	85.26	628.24
36 (91.44)	GR	M8MMH-1636J-ND	8.40	73.63	542.56	
20	6 (15.24)	MC	M8MMH-2006R-ND	7.19	63.08	464.78
	6 (15.24)	GR	M8MMH-2006J-ND	6.92	60.66	446.94
	18 (45.72)	MC	M8MMH-2018R-ND	8.32	72.95	537.55
	18 (45.72)	GR	M8MMH-2018J-ND	7.49	65.69	484.01
	36 (91.44)	MC	M8MMH-2036R-ND	10.01	87.77	646.70
36 (91.44)	GR	M8MMH-2036J-ND	8.35	73.23	539.62	
26	6 (15.24)	MC	M8MMH-2606R-ND	9.31	81.66	601.70
	6 (15.24)	GR	M8MMH-2606J-ND	8.95	78.51	578.49
	18 (45.72)	MC	M8MMH-2618R-ND	10.78	94.50	696.30
	18 (45.72)	GR	M8MMH-2618J-ND	9.70	85.05	626.68
	36 (91.44)	MC	M8MMH-2636R-ND	12.97	113.75	838.19
36 (91.44)	GR	M8MMH-2636J-ND	10.32	94.86	698.96	
34	6 (15.24)	MC	M8MMH-3406R-ND	9.73	85.34	628.85
	6 (15.24)	GR	M8MMH-3406J-ND	9.26	81.23	598.51
	18 (45.72)	MC	M8MMH-3418R-ND	11.65	102.13	752.56
	18 (45.72)	GR	M8MMH-3418J-ND	10.24	89.78	661.53

# 3M Latch/Eject Headers .100" x .100" (2.54mm x 2.54mm)

**Features:** • Optional ejector latches (sold separately) • High temperature insulator option for "no lead" soldering operations **Electrical Specifications:** • Current Rating: 2A • Insulation Resistance: >1 x 10<sup>9</sup>Ω at 500VDC • Withstanding Voltage: 1000Vrms at Sea Level **Environmental Specifications:** • Temperature Rating: -55°C - 105°C • Process Rating: 260°C High Temp. PCT insulator version: single pass (profile per J-STD-020C); PBT insulator version: maximum insulator temperature 191°C (Solder wave process only) **Non-compliant Physical Specifications:** • Insulator Material: Glass-filled polyester (PBT) • Underplating: nickel • Solder Tails: 200µ" Tin-lead over nickel **RoHS Compliant Physical Specifications:** • Insulator Material: High Temperature glass filled polyester (PCT) • Solder Tails: 40 - 120µ" Matte tin



No. of Contacts	Dimension A Inches (mm)	Digi-Key Part No.	1	100	500	3M Part No.
<b>NEW! Right Angle, Black PCT - 10µ" Gold - RoHS Compliant NEW!</b>						
10	1.26 (32.1)	MHR10E-ND	.77	58.46	264.55	D3793-6002-AR
14	1.46 (37.2)	MHR14E-ND	1.08	82.16	371.80	D3314-6002-AR
16	1.56 (39.7)	MHR16E-ND	1.25	94.80	429.00	D3408-6002-AR
20	1.76 (44.8)	MHR20E-ND	1.56	118.50	536.25	D3428-6002-AR
24	1.96 (49.8)	MHR24E-ND	1.87	142.20	643.50	D3627-6002-AR
26	2.06 (52.4)	MHR26E-ND	2.06	156.42	707.85	D3429-6002-AR
30	2.26 (57.4)	MHR30E-ND	2.08	158.00	715.00	D3440-6002-AR
34	2.46 (62.6)	MHR34E-ND	2.12	161.16	729.30	D3431-6002-AR
40	2.76 (70.2)	MHR40E-ND	2.52	191.18	865.15	D3432-6002-AR
50	3.26 (82.9)	MHR50E-ND	3.14	238.58	1079.65	D3433-6002-AR
<b>Right Angle, Gray PBT - 30µ" Gold</b>						
10	1.26 (32.00)	MHR10K-ND	1.41	107.44	486.20	3793-5002
14	1.46 (37.08)	MHR14K-ND	1.96	148.52	672.10	3314-5002
16	1.56 (39.62)	MHR16K-ND	2.25	170.64	772.20	3408-5002
20	1.76 (44.70)	MHR20K-ND	2.77	210.14	950.95	3428-5002
24	1.96 (49.78)	MHR24K-ND	3.33	252.80	1144.00	3627-5002
26	2.06 (52.32)	MHR26K-ND	3.60	273.34	1236.95	3429-5002
40	2.76 (70.10)	MHR40K-ND	4.43	336.54	1522.95	3432-5002
50	3.26 (82.80)	MHR50K-ND	5.53	420.28	1901.90	3433-5002
<b>Right Angle, Black PCT - 30µ" Gold - RoHS Compliant</b>						
10	1.26 (32.00)	MHR10L-ND	1.16	88.48	400.40	N3793-5002RB
14	1.46 (37.08)	MHR14L-ND	1.60	121.66	550.55	N3314-5002RB
16	1.56 (39.62)	MHR16L-ND	1.85	140.62	636.35	N3408-5002RB
20	1.76 (44.70)	MHR20L-ND	2.27	172.22	779.35	N3428-5002RB
24	1.96 (49.78)	MHR24L-ND	2.72	206.98	936.65	N3627-5002RB

No. of Contacts	Dimension A Inches (mm)	Digi-Key Part No.	1	100	500	3M Part No.
26	2.06 (52.32)	MHR26L-ND	2.93	222.78	1008.15	N3429-5002RB
30	2.26 (57.40)	MHR30L-ND	2.72	206.98	936.65	N3440-5002RB
34	2.46 (62.48)	MHR34L-ND	3.06	232.26	1051.05	N3431-5002RB
40	2.76 (70.10)	MHR40L-ND	3.62	274.92	1244.10	N3432-5002RB
50	3.26 (82.80)	MHR50L-ND	4.51	342.86	1551.55	N3433-5002RB
60	3.76 (95.50)	MHR60L-ND	5.43	412.38	1866.15	N3372-5002RB

<b>NEW! Straight, Black PCT - 10µ" Gold - RoHS Compliant NEW!</b>						
10	1.26 (32.1)	MHS10E-ND	.77	58.46	264.55	D3793-6002-AR
14	1.46 (37.2)	MHS14E-ND	1.08	82.16	371.80	D3314-6002-AR
16	1.56 (39.7)	MHS16E-ND	1.25	94.80	429.00	D3408-6002-AR
20	1.76 (44.8)	MHS20E-ND	1.56	118.50	536.25	D3428-6002-AR
24	1.96 (49.8)	MHS24E-ND	1.87	142.20	643.50	D3627-6002-AR

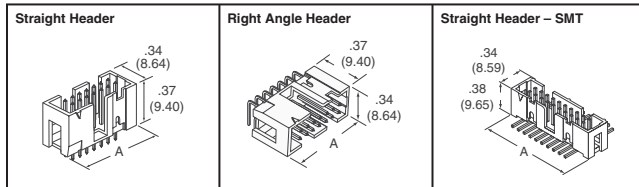
26	2.06 (52.4)	MHS26E-ND	2.06	156.42	707.85	D3429-6002-AR
30	2.26 (57.4)	MHS30E-ND	2.08	158.00	715.00	D3

# 3M Low Profile Headers (Protected Headers)



**PHYSICAL:**  
 • Flammability: UL 94V-0 • Marking: 3M logo, Part Identification Number and Orientation Triangle  
**ELECTRICAL:**  
 • Current Rating: 2A • Insulation Resistance: >1x10<sup>9</sup>Ω @ 500VDC • Withstanding Voltage: 1000VRMS at Sea Level  
**ENVIRONMENTAL:**  
 • Temperature Rating: -55°C - 105°C • UL File No.: E68080

**2500 Series Non-Compliant Specifications:**  
**Insulation:** • Material: Glass Filled Polyester (PBT) • Color: Gray • Contact Material: Phosphor Bronze (C510) **Plating:**  
 • Underplating: 100µ" Nickel-QQ-N-290, Class 2 • Wiping Area: Gold-MIL-G-45204, Type II, Grade C • Solder Tails: 200µ" 60/40 Tin Lead-MIL-P-81728 • CSA File No.: LR 40971  
**2500 Series RoHS Compliant Specifications:**  
**Process Rating:** • 260°C Single pass (profile per J-STD-020C) **Insulation:** • Material: Glass Filled Polyester (PBT), Glass Filled Polyester (PCT) High Temperature option • Contact Material: Copper Alloy **Plating:** • Underplating: 100µ" (2.54µm) Nickel - Overall • Wiping Area: Gold • Solder Tails: 200µ" (5.08µm) Tin Lead or Matte Tin  
**D2500 Series Specifications:**  
**Process Rating:** • 260°C Single pass (profile per J-STD-020C) **Insulation:** • Material: High Temperature Glass Filled Polyester (PCT) • Color: Black • Contact Material: Brass **Plating:** • Underplating: 50 - 100µ" Nickel • Wiping Area: 10µ" (0.25µm) Gold • Solder Tails: 40 - 120µ" (1 - 3µm) Matte Tin



No. of Contacts	Dimension A Inches (mm)	Digi-Key Part No.	1	Pricing 100	500	3M Part No.
<b>Straight Header</b>						
10	0.788 (20.02)	MHB10K-ND	1.66	126.40	572.00	2510-6002UB
14	0.988 (25.10)	MHB14K-ND	1.73	131.14	593.45	2514-6002UB
16	1.088 (27.64)	MHB16K-ND	1.91	145.36	657.80	2516-6002UB
20	1.288 (32.72)	MHB20K-ND	2.00	151.68	686.40	2520-6002UB
24	1.488 (37.80)	MHB24K-ND	2.10	159.58	722.15	2524-6002UB
26	1.588 (40.34)	MHB26K-ND	2.14	162.74	736.45	2526-6002UB
30	1.788 (45.42)	MHB30K-ND	2.48	188.02	850.85	2530-6002UB
34	1.988 (50.50)	MHB34K-ND	2.56	194.34	879.45	2534-6002UB
40	2.288 (58.12)	MHB40K-ND	2.75	208.56	943.80	2540-6002UB
50	2.788 (70.82)	MHB50K-ND	3.41	259.12	1172.60	2550-6002UB
60	3.288 (83.52)	MHB60K-ND	4.08	309.68	1401.40	2560-6002UB
<b>NEW! Straight Solder Tail, Black PCT - 10µ" Gold - RoHS Compliant NEW!</b>						
10	.788 (20.02)	MHC10E-ND	.94	71.10	321.75	D2510-6002-AR
14	.988 (25.10)	MHC14E-ND	1.06	80.58	364.65	D2514-6002-AR
16	1.088 (27.64)	MHC16E-ND	1.19	90.06	407.55	D2516-6002-AR
20	1.288 (32.72)	MHC20E-ND	1.23	93.22	421.85	D2520-6002-AR
24	1.488 (37.80)	MHC24E-ND	1.31	99.54	450.45	D2524-6002-AR
26	1.588 (40.34)	MHC26E-ND	1.33	101.12	457.60	D2526-6002-AR
30	1.788 (45.42)	MHC30E-ND	1.54	116.92	529.10	D2530-6002-AR
34	1.988 (50.50)	MHC34E-ND	1.60	121.66	550.55	D2534-6002-AR
40	2.288 (58.12)	MHC40E-ND	1.71	129.56	586.30	D2540-6002-AR
50	2.788 (70.82)	MHC50E-ND	2.10	159.58	722.15	D2550-6002-AR
<b>Straight Solder Tail, Black PCT - 30µ" Gold - RoHS Compliant</b>						
10	0.788 (20.02)	MHC10K-ND	1.37	104.28	471.90	N2510-6002RB
14	0.988 (25.10)	MHC14K-ND	1.41	107.44	486.20	N2514-6002RB
16	1.088 (27.64)	MHC16K-ND	1.58	120.08	543.40	N2516-6002RB
20	1.288 (32.72)	MHC20K-ND	1.64	124.82	564.85	N2520-6002RB
24	1.488 (37.80)	MHC24K-ND	1.75	132.72	600.60	N2524-6002RB
26	1.588 (40.34)	MHC26K-ND	1.77	134.30	607.75	N2526-6002RB
30	1.788 (45.42)	MHC30K-ND	2.04	154.84	700.70	N2530-6002RB
34	1.988 (50.50)	MHC34K-ND	2.12	161.16	729.30	N2534-6002RB
40	2.288 (58.12)	MHC40K-ND	2.27	172.22	779.35	N2540-6002RB
50	2.788 (70.82)	MHC50K-ND	2.81	213.30	965.25	N2550-6002RB
60	3.288 (83.52)	MHC60K-ND	3.37	255.96	1158.30	N2560-6002RB
64	3.488 (88.60)	MHC64K-ND	3.58	271.76	1229.80	N2564-6002RB
<b>Right Angle Solder Tail, Gray PBT - 30µ" Gold</b>						
10	0.788 (20.02)	MHD10K-ND	1.83	139.04	629.20	2510-5002UB
14	0.988 (25.10)	MHD14K-ND	1.89	143.78	650.65	2514-5002UB
16	1.088 (27.64)	MHD16K-ND	2.10	159.58	722.15	2516-5002UB
20	1.288 (32.72)	MHD20K-ND	2.23	169.06	765.05	2520-5002UB
24	1.488 (37.80)	MHD24K-ND	2.31	175.38	793.65	2524-5002UB
26	1.588 (40.34)	MHD26K-ND	2.33	176.96	800.80	2526-5002UB
30	1.788 (45.42)	MHD30K-ND	3.18	241.74	1093.95	2530-5002UB
34	1.988 (50.50)	MHD34K-ND	2.79	211.72	958.10	2534-5002UB
40	2.288 (58.12)	MHD40K-ND	3.02	229.10	1036.75	2540-5002UB
50	2.788 (70.82)	MHD50K-ND	3.72	282.82	1279.85	2550-5002UB
<b>NEW! Right Angle Solder Tail, Black PCT - 10µ" Gold - RoHS Compliant NEW!</b>						
10	.788 (20.02)	MHE10E-ND	1.02	77.42	350.35	D2510-5002-AR
14	.988 (25.10)	MHE14E-ND	1.16	88.48	400.40	D2514-5002-AR
16	1.088 (27.64)	MHE16E-ND	1.31	99.54	450.45	D2516-5002-AR
20	1.288 (32.72)	MHE20E-ND	1.37	104.28	471.90	D2520-5002-AR
24	1.488 (37.80)	MHE24E-ND	1.44	109.02	493.35	D2524-5002-AR
26	1.588 (40.34)	MHE26E-ND	1.46	110.60	500.50	D2526-5002-AR
30	1.788 (45.42)	MHE30E-ND	1.98	150.10	679.25	D2530-5002-AR
34	1.988 (50.50)	MHE34E-ND	1.73	131.14	593.45	D2534-5002-AR
40	2.288 (58.12)	MHE40E-ND	1.87	142.20	643.50	D2540-5002-AR
50	2.788 (70.82)	MHE50E-ND	2.31	175.38	793.65	D2550-5002-AR
<b>Right Angle Solder Tail, Black PCT - 30µ" Gold - RoHS Compliant</b>						
10	0.788 (20.02)	MHE10K-ND	1.52	115.34	521.95	N2510-5002RB
14	0.988 (25.10)	MHE14K-ND	1.56	118.50	536.25	N2514-5002RB
16	1.088 (27.64)	MHE16K-ND	1.75	132.72	600.60	N2516-5002RB
20	1.288 (32.72)	MHE20K-ND	1.83	139.04	629.20	N2520-5002RB
24	1.488 (37.80)	MHE24K-ND	1.91	145.36	657.80	N2524-5002RB

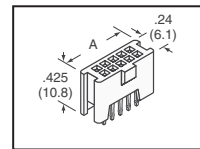
No. of Contacts	Dimension A Inches (mm)	Digi-Key Part No.	1	Pricing 100	500	3M Part No.
26	1.588 (40.34)	MHE26K-ND	1.93	146.94	664.95	N2526-5002RB
30	1.788 (45.42)	MHE30K-ND	2.62	199.08	900.90	N2530-5002RB
34	1.988 (50.50)	MHE34K-ND	2.31	175.38	793.65	N2534-5002RB
40	2.288 (58.12)	MHE40K-ND	2.50	189.60	858.00	N2540-5002RB
50	2.788 (70.82)	MHE50K-ND	3.08	233.84	1058.20	N2550-5002RB
60	3.288 (83.52)	MHE60K-ND	3.70	281.24	1272.70	N2560-5002RB
64	3.488 (88.60)	MHE64K-ND	3.95	300.20	1358.50	N2564-5002RB

No. of Contacts	Dimension A Inches (mm)	Digi-Key Part No.	Cut Tape Pricing 1	T & R Pricing 200	3M Part No.
<b>Straight, Black PCT, SMT - 30µ" Gold - RoHS Compliant</b>					
10	.788 (20.02)	MSH10KCT-ND	1.58	120.08	228.00
14	.988 (25.10)	MSH14KCT-ND	1.62	123.24	234.00
16	1.088 (27.64)	MSH16KCT-ND	1.79	135.88	258.00
20	1.288 (32.72)	MSH20KCT-ND	1.85	140.62	267.00
24	1.488 (37.80)	MSH24KCT-ND	1.96	148.52	282.00
26	1.588 (40.34)	MSH26KCT-ND	1.98	150.10	285.00
30	1.788 (45.42)	MSH30KCT-ND	2.25	170.64	324.00
34	1.988 (50.50)	MSH34KCT-ND	2.33	176.96	336.00
40	2.288 (58.12)	MSH40KCT-ND	2.48	188.02	357.00
50	2.788 (70.82)	MSH50KCT-ND	3.02	229.10	435.00
60	3.288 (83.52)	MSH60KCT-ND	3.58	271.76	516.00
64	3.488 (88.60)	MSH64KCT-ND	3.79	287.56	546.00
<b>NEW! Straight, Black PCT, SMT - 10µ" Gold - RoHS Compliant NEW!</b>					
10	.788 (20.02)	MSH10ECT-ND	1.04	79.00	150.00
14	.988 (25.10)	MSH14ECT-ND	1.23	93.22	177.00
16	1.088 (27.64)	MSH16ECT-ND	1.35	102.70	195.00
20	1.288 (32.72)	MSH20ECT-ND	1.39	105.86	201.00
24	1.488 (37.80)	MSH24ECT-ND	1.48	112.18	213.00
26	1.588 (40.34)	MSH26ECT-ND	1.48	112.18	213.00
30	1.788 (45.42)	MSH30ECT-ND	1.68	127.98	243.00
34	1.988 (50.50)	MSH34ECT-ND	1.75	132.72	252.00
40	2.288 (58.12)	MSH40ECT-ND	1.85	140.62	267.00
50	2.788 (70.82)	MSH50ECT-ND	2.27	172.22	327.00

† For Tape and Reel part number, change CT-ND to TR-ND.

## Polarized Boardmount Socket .100" x .100" (2.54mm x 2.54mm) - 8500 Series

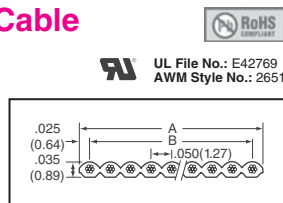
**FEATURES:** • Centerbump polarization • Mates with low profile shrouded headers  
**PHYSICAL:** • Insulation Material: Glass Filled Polyester (PBT) • Flammability: UL 94V-0 • Color: Gray • Contact Material: Copper Alloy • Plating - Underplating and U-slot: 2µm (79µ") Nickel • Wiping Area: 0.3µm (12µ") Gold • Solder Tails: Gold Flash • Marking: 3M logo, Part Identification Number and Orientation Triangle  
**ELECTRICAL:** • Current Rating: 1A • Insulation Resistance: >1 x 10<sup>9</sup>Ω @ 500VDC  
**ENVIRONMENTAL:** • Temperature Rating: -55°C - 105°C



No. of Contacts	Dimension A Inches (mm)	Digi-Key Part No.	1	Pricing 100	500	3M Part No.
10	0.68 (17.3)	MSPV10-ND	2.20	167.48	757.90	8510-4500PL
16	0.98 (25.9)	MSPV16-ND	2.85	216.46	979.55	8516-4500PL
20	1.18 (30.0)	MSPV20-ND	3.37	255.96	1158.30	8520-4500PL
26	1.48 (37.6)	MSPV26-ND	3.89	295.46	1337.05	8526-4500PL
34	1.88 (47.7)	MSPV34-ND	4.70	357.08	1615.90	8534-4500PL
40	2.18 (55.4)	MSPV40-ND	5.26	399.74	1808.95	8540-4500PL
50	2.68 (68.1)	MSPV50-ND	6.28	477.16	2159.30	8550-4500PL
60	3.18 (80.8)	MSPV60-ND	7.30	554.58	2509.65	8560-4500PL
64	3.38 (85.8)	MSPV64-ND	7.68	583.02	2638.35	8564-4500PL

## Round Conductor Flat Cable 3365 Series

**Physical:** • .050" pitch • Insulation Material: Polyvinyl Chloride (PVC) • Color: Gray with Red Stripe on wire #1 • AWM 2651 105C 300V VVW1 • Conductors: 28 AWG, 7 x 36 Tinned Stranded Copper  
**Electrical:** • Voltage Rating: 300V • Insulation Resistance: >1 x 10<sup>10</sup>Ω/10 feet  
**Environmental:** • Temperature Rating: -20°C - 105°C • Flammability Rating: VW-1



No. of Contacts	Dimensions Inch (mm)		Digi-Key Part No.	Note: X in Digi-Key Part No. Represents No. of Feet					
	A	B		5 ft.*	10 ft.*	25 ft.*	50 ft.*	100 ft.*	300 ft.*
6	0.30 (7.62)	0.25 (6.35)	MC06G-X-ND	1.22	2.27	5.06	8.73	15.71	41.88
10	0.50 (12.70)	0.45 (11.43)	MC10G-X-ND	1.71	3.17	7.08	12.21	21.98	58.60
14	0.70 (17.78)	0.65 (16.51)	MC14G-X-ND	2.16	4.02	8.96	15.45	27.80	74.14
16	0.80 (20.32)	0.75 (19.05)	MC16G-X-ND	2.47	4.59	10.24	17.65	31.77	84.72
20	1.00 (25.40)	0.95 (24.13)	MC20G-X-ND	3.09	5.74	12.80	22.07	39.72	105.92
24	1.20 (30.48)	1.15 (29.21)	MC24G-X-ND	3.71	6.88	15.36	26.48	47.66	127.10
26	1.30 (33.02)	1.25 (31.75)	MC26G-X-ND	4.02	7.46	16.64	28.68	51.63	137.68
34	1.70 (43.18)	1.65 (41.91)	MC34G-X-ND	5.25	9.75	21.76	37.51	67.52	180.06
37	1.85 (46.99)	1.80 (45.72)	MC37G-X-ND	5.72	10.61	23.68	40.83	73.49	195.96
40	2.00 (50.80)	1.95 (49.53)							