

Socket Connector Cable Assemblies

Socket Connector to Socket Connector (Cont.)

No. of Con-tacts	Conn. Finish	Length Inch (cm)	Rib-bon* Cable	Digi-Key Part No.	Pricing 1 10
64	Gold	6 (15.24)	MC	A3AAH-6406M-ND	13.43 109.37
		6 (15.24)	GR	A3AAH-6406G-ND	11.97 97.47
		18 (45.72)	MC	A3AAH-6418M-ND	17.87 145.53
		18 (45.72)	GR	A3AAH-6418G-ND	13.49 109.84
		36 (91.44)	MC	A3AAH-6436M-ND	24.53 199.77
		36 (91.44)	GR	A3AAH-6436G-ND	15.77 128.40

Also available in the following versions:

- A3BBH-□□□□□-ND — Socket Connector with Strain Relief. Note: Also available with 60 contacts.
- A3CCH-□□□□□-ND — Socket Connector with Central Polarizing Key. Note: Also available with 44 and 60 contacts.
- A3DDH-□□□□□-ND — Socket Connector with Strain Relief and Central Polarizing Key. Note: Also available with 44 and 60 contacts.

Call for complete part number and pricing!

Socket Connector to Pin Connector

* MC = Multi-Color
GR = Gray



Socket connector without strain relief, plug connector without flange, without strain relief shown.

No. of Con-tacts	Conn. Finish	Length Inch (cm)	Rib-bon* Cable	Digi-Key Part No.	Pricing 1 10
10	Gold	6 (15.24)	MC	A3AKB-1006M-ND	8.41 68.50
		6 (15.24)	GR	A3AKB-1006G-ND	8.16 66.46
		18 (45.72)	MC	A3AKB-1018M-ND	9.17 74.63
		18 (45.72)	GR	A3AKB-1018G-ND	8.42 68.52
		36 (91.44)	MC	A3AKB-1036M-ND	10.29 83.83
		36 (91.44)	GR	A3AKB-1036G-ND	8.79 71.62
14	Gold	6 (15.24)	MC	A3AKB-1406M-ND	16.30 132.73
		6 (15.24)	GR	A3AKB-1406G-ND	15.93 129.74
		18 (45.72)	MC	A3AKB-1418M-ND	17.39 141.61
		18 (45.72)	GR	A3AKB-1418G-ND	16.29 132.62
		36 (91.44)	MC	A3AKB-1436M-ND	19.03 154.93
		36 (91.44)	GR	A3AKB-1436G-ND	16.82 136.95
16	Gold	6 (15.24)	MC	A3AKB-1606M-ND	10.08 82.04
		6 (15.24)	GR	A3AKB-1606G-ND	9.65 78.62
		18 (45.72)	MC	A3AKB-1618M-ND	11.32 92.19
		18 (45.72)	GR	A3AKB-1618G-ND	10.06 81.91
		36 (91.44)	MC	A3AKB-1636M-ND	13.19 107.41
		36 (91.44)	GR	A3AKB-1636G-ND	10.67 86.86
20	Gold	6 (15.24)	MC	A3AKB-2006M-ND	10.86 88.40
		6 (15.24)	GR	A3AKB-2006G-ND	10.33 84.13
		18 (45.72)	MC	A3AKB-2018M-ND	12.41 101.07
		18 (45.72)	GR	A3AKB-2018G-ND	10.84 88.25
		36 (91.44)	MC	A3AKB-2036M-ND	14.74 120.06
		36 (91.44)	GR	A3AKB-2036G-ND	11.60 94.43
26	Gold	6 (15.24)	MC	A3AKB-2606M-ND	19.83 161.44
		6 (15.24)	GR	A3AKB-2606G-ND	19.13 155.77
		18 (45.72)	MC	A3AKB-2618M-ND	21.85 177.93
		18 (45.72)	GR	A3AKB-2618G-ND	19.76 160.92
		36 (91.44)	MC	A3AKB-2636M-ND	24.89 202.67
		36 (91.44)	GR	A3AKB-2636G-ND	20.71 168.65
30	Gold	6 (15.24)	MC	A3AKB-3006M-ND	21.29 173.32
		6 (15.24)	GR	A3AKB-3006G-ND	20.59 167.65
		18 (45.72)	MC	A3AKB-3018M-ND	23.31 189.81
		18 (45.72)	GR	A3AKB-3018G-ND	21.22 172.81
		36 (91.44)	MC	A3AKB-3036M-ND	26.35 214.55
		36 (91.44)	GR	A3AKB-3036G-ND	22.17 180.54
34	Gold	6 (15.24)	MC	A3AKB-3406M-ND	16.21 132.01
		6 (15.24)	GR	A3AKB-3406G-ND	15.38 125.27
		18 (45.72)	MC	A3AKB-3418M-ND	18.73 152.51
		18 (45.72)	GR	A3AKB-3418G-ND	16.24 132.28
		36 (91.44)	MC	A3AKB-3436M-ND	22.50 183.25
		36 (91.44)	GR	A3AKB-3436G-ND	17.54 142.79
40	Gold	6 (15.24)	MC	A3AKB-4006M-ND	25.40 206.85
		6 (15.24)	GR	A3AKB-4006G-ND	24.35 198.29
		18 (45.72)	MC	A3AKB-4018M-ND	28.52 232.22
		18 (45.72)	GR	A3AKB-4018G-ND	25.36 206.54
		36 (91.44)	MC	A3AKB-4036M-ND	33.19 270.28
		36 (91.44)	GR	A3AKB-4036G-ND	26.88 218.90
50	Gold	6 (15.24)	MC	A3AKB-5006M-ND	25.01 203.66
		6 (15.24)	GR	A3AKB-5006G-ND	23.79 193.73
		18 (45.72)	MC	A3AKB-5018M-ND	28.71 233.81
		18 (45.72)	GR	A3AKB-5018G-ND	25.06 204.04
		36 (91.44)	MC	A3AKB-5036M-ND	34.27 279.05
		36 (91.44)	GR	A3AKB-5036G-ND	26.96 219.50

Also available in the following versions:

- A3BRB-□□□□□-ND — Socket Connector with Strain Relief. Note: Also available with 24 contacts.
- A3CKB-□□□□□-ND — Socket Connector with Central Polarizing Key. Note: Also available with 64 contacts.
- A3DKB-□□□□□-ND — Socket Connector with Strain Relief and Central Polarizing Key. Note: Also available with 24 and 64 contacts.

* Not available with Strain Relief

Call for complete part number and pricing!

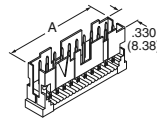
Pin Connectors

Material and Finish: • Housing and Cover: Black thermoplastic, 94V-0 rated

Electrical Characteristics: • Contact Current Rating: 1 Amp • Dielectric Withstanding Voltage: Pin connectors 500 Volts, RMS

Contacts: • Phosphor Bronze, 30µ" AU pin end; .000100 tin on cable termination end; entire contact underplated with 50µ" nickel. **Specifications:** • Operating Temperature: -65°C - 105°C

Recognized under Component Program of Underwriters Laboratories Inc. File No. E28476. Certified by Canadian Standards Association File No. LR16455.



No. of Con-tacts	Contact Finish	Dim. A In. (mm)	Digi-Key Part No.	Pricing 1 10	AMP Part No.
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Pin Connectors (Strain Reliefs Sold Separately)

16	30µ" AU	1.372 (34.85)	APK16A-ND	6.47	58.21	111446-3
26		1.872 (47.55)	APK26A-ND	15.57	140.11	111446-6
30		2.072 (52.63)	APK30A-ND	19.92	179.30	111446-7

Pin Connectors — RoHS Compliant (Strain Reliefs Sold Separately)

10	30µ" AU	1.072 (27.23)	APK10B-ND	6.41	30.74	1-111446-4
14		1.272 (32.31)	APK14B-ND	13.62	65.35	1-111446-5
16		1.372 (34.85)	APK16B-ND	7.21	34.61	1-111446-6
20		1.572 (39.93)	APK20B-ND	7.74	37.13	1-111446-8
24		1.772 (45.01)	APK24B-ND	11.25	101.21	1-111446-9
26		1.872 (47.55)	APK26B-ND	14.56	69.89	2-111446-0
30	2.072 (52.63)	APK30B-ND	15.37	73.75	2-111446-1	
34	2.272 (57.71)	APK34B-ND	9.56	45.86	2-111446-2	
40	2.572 (65.33)	APK40B-ND	17.47	83.83	2-111446-3	
50	3.072 (78.03)	APK50B-ND	14.18	68.04	2-111446-7	
64	3.772 (95.81)	APK64B-ND	22.96	110.21	2-111446-6	

Strain Reliefs For Pin Connectors — RoHS Compliant

10	—	—	APSR10-ND	6.95	62.57	111547-1
14	—	—	APSR14-ND	6.32	56.88	111547-2
16	—	—	APSR16-ND	5.45	49.08	111547-3
20	—	—	APSR20-ND	5.56	50.01	111547-4
24	—	—	APSR24-ND	4.68	42.10	111547-5
26	—	—	APSR26-ND	4.42	39.76	111547-6
30	—	—	APSR30-ND	4.59	41.32	111547-7
34	—	—	APSR34-ND	5.23	47.05	111547-8
40	—	—	APSR40-ND	4.89	44.02	111547-9
50	—	—	APSR50-ND	5.17	46.55	1-111547-1

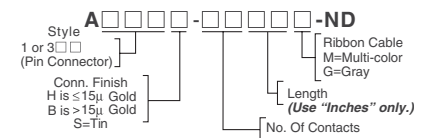
Description	Digi-Key Part No.	Pricing 1 10	AMP Part No.
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Snap-In Polarizer — RoHS Compliant

For Pin Connectors, Univ. Pin, Pinless Headers and Low Profile Pin Headers	A24195-ND	2.03	18.28	499991-2
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Latch Ejector (2 Required per Connector) — RoHS Compliant

Short (for Connectors without Strain Relief)	ALSN02-ND	2.44/2	11.27/10	111451-1
Long (for Connectors with Strain Relief)	ALLN02-ND	2.82/2	13.01/10	111451-3



Pin Connector Cable Assemblies

Pin Connector — Single Ended

* MC = Multi-Color
GR = Gray

Pin connector without flange, without strain relief shown.

No. of Con-tacts	Conn. Finish	Length Inch (cm)	Rib-bon* Cable	Digi-Key Part No.	Pricing 1 10
10	Gold	36 (91.44)	MC	A1KXB-1036M-ND	8.66 70.55
		36 (91.44)	GR	A1KXB-1036G-ND	7.16 58.34
14	Gold	36 (91.44)	MC	A1KXB-1436M-ND	16.89 137.51
		36 (91.44)	GR	A1KXB-1436G-ND	14.68 119.52
16	Gold	36 (91.44)	MC	A1KXB-1636M-ND	10.95 89.15
		36 (91.44)	GR	A1KXB-1636G-ND	8.42 68.60
20	Gold	36 (91.44)	MC	A1KXB-2036M-ND	12.40 100.98
		36 (91.44)	GR	A1KXB-2036G-ND	9.25 75.35
26	Gold	36 (91.44)	MC	A1KXB-2636M-ND	20.64 168.03
		36 (91.44)	GR	A1KXB-2636G-ND	16.46 134.02

No. of Con-tacts	Conn. Finish	Length Inch (cm)	Rib-bon* Cable	Digi-Key Part No.	Pricing 1 10
30	Gold	36 (91.44)	MC	A1KXB-3036M-ND	21.44 174.59
		36 (91.44)	GR	A1KXB-3036G-ND	17.26 140.57
34	Gold	36 (91.44)	MC	A1KXB-3436M-ND	17.11 139.29
		36 (91.44)	GR	A1KXB-3436G-ND	12.14 98.83
40	Gold	36 (91.44)	MC	A1KXB-4036M-ND	26.81 218.33
		36 (91.44)	GR	A1KXB-4036G-ND	20.50 166.95
50	Gold	36 (91.44)	MC	A1KXB-5036M-ND	26.58 216.43
		36 (91.44)	GR	A1KXB-5036G-ND	19.27 156.89
64	Gold	36 (91.44)	MC	A1KXB-6436M-ND	36.28 295.44
		36 (91.44)	GR	A1KXB-6436G-ND	27.52 224.06

Also available in the following version:

A1RXB-□□□□□-ND — Pin Connector with Strain Relief and Polarizing Key. Note: Also available with 24 contacts.

* Not available with Strain Relief

Call for complete part number and pricing!

Pin Connector to Pin Connector

* MC = Multi-Color
GR = Gray



Pin connector, without strain relief shown.

No. of Con-tacts	Conn. Finish	Length Inch (cm)	Rib-bon* Cable	Digi-Key Part No.	Pricing 1 10
10	Gold	6 (15.24)	MC	A3KKB-1006M-ND	13.19 107.38
		6 (15.24)	GR	A3KKB-1006G-ND	12.94 105.34
		18 (45.72)	MC	A3KKB-1018M-ND	13.94 113.51
		18 (45.72)	GR	A3KKB-1018G-ND	13.19 107.40
		36 (91.44)	MC	A3KKB-1036M-ND	15.07 122.70
14	Gold	6 (15.24)	MC	A3KKB-1406M-ND	27.78 226.17
		6 (15.24)	GR	A3KKB-1406G-ND	27.41 223.17
		18 (45.72)	MC	A3KKB-1418M-ND	28.87 235.05
		18 (45.72)	GR	A3KKB-1418G-ND	27.76 226.06
		36 (91.44)	MC	A3KKB-1436M-ND	30.50 248.37
16	Gold	6 (15.24)	MC	A3KKB-1606M-ND	15.04 122.49
		6 (15.24)	GR	A3KKB-1606G-ND	14.62 119.07
		18 (45.72)	MC	A3KKB-1618M-ND	16.29 132.64
		18 (45.72)	GR	A3KKB-1618G-ND	15.03 122.37
		36 (91.44)	MC	A3KKB-1636M-ND	18.16 147.86
16	Gold	36 (91.44)	GR	A3KKB-1636G-ND	15.63 127.31
		6 (15.24)	MC	A3KKB-2006M-ND	16.25 132.30
		6 (15.24)	GR	A3KKB-2006G-ND	15.72 128.03
		18 (45.72)	MC	A3KKB-2018M-ND	17.80 144.97
		18 (45.72)	GR	A3KKB-2018G-ND	16.23 132.15
20	Gold	36 (91.44)	MC	A3KKB-2036M-ND	20.14 163.96
		36 (91.44)	GR	A3KKB-2036G-ND	16.99 138.33