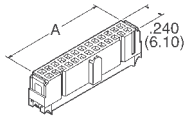
Tyco Electronics
Authorized Distributor

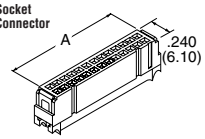
AMP Socket Connectors

A

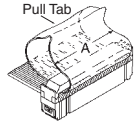
Socket Connector with Central Polarizing Key



Socket Connector



Pull Tab



Permanent Pull-Tabs To Be Used With Strain Relief Version

Material and Finish: • Plastic Shell: Housing, Cover and Strain Relief — Black thermoplastic, 94V-0 rated • Gold Finish: Contacts — Phosphor bronze, duplex 15µ" gold or 30µ" gold on post/pin mating end, 100µ"-200µ" bright tin-lead on termination end, with entire contact underplated 50µ" nickel

No. of Cont.	Contact Finish	Dimension A Inch (mm)	Digi-Key Part No.	Pricing 1	Pricing 10	AMP Part No.
Socket Connector Only — RoHS Compliant (Strain Reliefs Sold Separately)						
10	15µ" AU	.68 (17.27)	ASC10H-ND	1.06	5.08	1658620-1
14		.88 (22.35)	ASC14H-ND	1.55	7.42	1658620-2
16		.98 (24.89)	ASC16H-ND	1.63	7.81	1658620-3
20		1.18 (29.97)	ASC20H-ND	1.71	8.20	1658620-4
24		1.38 (35.05)	ASC24H-ND	2.11	10.16	1658620-5
26		1.48 (37.59)	ASC26H-ND	2.11	10.16	1658620-6
30		1.68 (42.67)	ASC30H-ND	2.72	13.03	1658620-7
34		1.88 (47.75)	ASC34H-ND	2.36	11.33	1658620-8
40		2.18 (55.37)	ASC40H-ND	2.61	12.50	1658620-9
50		2.68 (68.07)	ASC50H-ND	3.17	15.06	1-1658620-0
64		3.38 (85.85)	ASC64H-ND	3.39	21.24	1-1658620-2
10	30µ" AU	.68 (17.27)	ASN10B-ND	1.37	6.54	1658623-1
14		.88 (22.35)	ASN14B-ND	1.79	8.57	1658623-2
16		.98 (24.89)	ASN16B-ND	1.87	8.99	1658623-3
20		1.18 (29.97)	ASN20B-ND	1.96	9.40	1658623-4
24		1.38 (35.05)	ASN24B-ND	3.59	17.25	1658623-5
26		1.48 (37.59)	ASN26B-ND	2.21	10.62	1658623-6
30		1.68 (42.67)	ASN30B-ND	2.56	12.26	1658623-7
34		1.88 (47.75)	ASN34B-ND	2.81	13.48	1658623-8
40		2.18 (55.37)	ASN40B-ND	3.32	15.93	1658623-9
50		2.68 (68.07)	ASN50B-ND	4.00	19.20	1-1658623-0
Socket Connector With Polarizing Key — RoHS Compliant						
10	15µ" AU	.68 (17.27)	AKC10H-ND	1.22	5.77	1658621-1
14		.88 (22.35)	AKC14H-ND	1.78	8.54	1658621-2
16		.98 (24.89)	AKC16H-ND	1.87	8.99	1658621-3
20		1.18 (29.97)	AKC20H-ND	1.88	9.02	1658621-4
24		1.38 (35.05)	AKC24H-ND	2.11	10.16	1658621-5
26		1.48 (37.59)	AKC26H-ND	2.11	10.16	1658621-6
30		1.68 (42.67)	AKC30H-ND	2.36	11.33	1658621-7
34		1.88 (47.75)	AKC34H-ND	2.37	11.39	1658621-8
40		2.18 (55.37)	AKC40H-ND	2.61	12.50	1658621-9
44		2.38 (60.45)	AKC44H-ND	2.69	12.73	1-1658621-3
50		2.68 (68.07)	AKC50H-ND	3.17	15.24	1-1658621-0
60		3.18 (80.77)	AKC60H-ND	4.07	19.54	1-1658621-1
64		3.38 (85.85)	AKC64H-ND	4.48	21.49	1-1658621-2
10	30µ" AU	.68 (17.27)	AKN10B-ND	1.36	6.54	1658622-1
14		.88 (22.35)	AKN14B-ND	1.79	8.57	1658622-2
16		.98 (24.89)	AKN16B-ND	1.87	8.99	1658622-3
20		1.18 (29.97)	AKN20B-ND	1.96	9.40	1658622-4
24		1.38 (35.05)	AKN24B-ND	2.22	10.62	1658622-5
26		1.48 (37.59)	AKN26B-ND	2.22	10.62	1658622-6
30		1.68 (42.67)	AKN30B-ND	2.81	13.48	1658622-7
34		1.88 (47.75)	AKN34B-ND	2.81	13.48	1658622-8
40		2.18 (55.37)	AKN40B-ND	3.32	15.93	1658622-9
44		2.38 (60.45)	AKN44B-ND	3.91	18.79	1-1658622-3
50		2.68 (68.07)	AKN50B-ND	4.00	19.20	1-1658622-0
60		3.18 (80.77)	AKN60B-ND	4.94	23.69	1-1658622-1
64		3.38 (85.85)	AKN64B-ND	5.45	26.14	1-1658622-2
Strain Relief For Socket Connectors — RoHS Compliant						
10	—	.68 (17.27)	ASSR10-ND	.29	1.20	499252-5
14		.88 (22.35)	ASSR14-ND	.28	1.18	499252-9
16		.98 (24.89)	ASSR16-ND	.29	1.20	499252-8
20		1.18 (29.97)	ASSR20-ND	.28	1.19	499252-2
24		1.38 (35.05)	ASSR24-ND	.24	1.52	1-499252-0
26		1.48 (37.59)	ASSR26-ND	.29	1.37	499252-3
30		1.68 (42.67)	ASSR30-ND	.29	1.37	1-499252-2
34		1.88 (47.75)	ASSR34-ND	.29	1.37	499252-6
40		2.18 (55.37)	ASSR40-ND	.29	1.60	499252-1
44		2.38 (60.45)	ASSR44-ND	.54	3.43	1-499252-1
50		2.68 (68.07)	ASSR50-ND	.29	1.83	499252-4
60		3.18 (80.77)	ASSR60-ND	.33	2.06	499252-7
64		3.38 (85.85)	ASSR64-ND	.40	2.52	1-499252-3
Permanent Pull Tabs — RoHS Compliant (For Connectors With Strain Reliefs)						
10	—	.44 (11.18)	ASPS10-ND	.23	1.07	5088450-2
14		.64 (16.26)	ASPS14-ND	.20	.94	5088450-3
16		.74 (18.80)	ASPS16-ND	.27	1.29	5088450-4
20		.88 (22.35)	ASPS20-ND	.27	1.29	5088450-5
26		1.18 (29.97)	ASPS26-ND	.30	1.47	5088450-7
34		1.58 (40.13)	ASPS34-ND	.26	1.26	5088450-8
40		1.82 (46.23)	ASPS40-ND	.29	1.39	5088450-9
50		2.32 (58.93)	ASPS50-ND	.46	2.19	1-5088450-0
60		2.80 (71.12)	ASPS60-ND	.68	3.25	1-5088450-1
Continuous Strip no positions		120.0 (3048.0)	ASKP03-ND	22.19	106.48	5088450-1
Keying Plug For Socket Connectors — RoHS Compliant						
Keying Plugs			ASKP01-ND	.12	1.11	499712-1
Keying Plugs 10/Comb			ASKP02-ND	.91	8.24	104072-1

A□□□□-□□□□□-ND

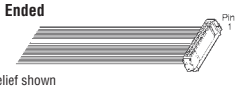
- Style: 1 or 3□□ (Socket)
- Conn. Finish: H is ≤15µ Gold; B is >15µ Gold; S=Tin
- Ribbon Cable: M=Multi-color; G=Gray
- Length *(Use "Inches" only.)*
- No. Of Contacts

AMP Socket Connector Cable Assemblies

RoHS COMPLIANT

Socket Connector — Single Ended

* MC = Multi-Color
GR = Gray



Socket connector without strain relief shown

No. of Contacts	Conn. Finish	Length Inch (cm)	Ribbon* Cable	Digi-Key Part No.	Pricing 1	Pricing 10
10	Gold	36 (91.44)	MC	A1AXH-1036M-ND	3.03	24.68
		36 (91.44)	GR	A1AXH-1036G-ND	1.68	13.67
14	Gold	36 (91.44)	MC	A1AXH-1436M-ND	4.51	36.68
		36 (91.44)	GR	A1AXH-1436G-ND	2.42	19.68
16	Gold	36 (91.44)	MC	A1AXH-1636M-ND	4.78	38.95
		36 (91.44)	GR	A1AXH-1636G-ND	2.62	21.34
20	Gold	36 (91.44)	MC	A1AXH-2036M-ND	5.79	47.15
		36 (91.44)	GR	A1AXH-2036G-ND	3.25	26.48
24	Gold	36 (91.44)	MC	A1AXH-2436M-ND	7.05	57.38
		36 (91.44)	GR	A1AXH-2436G-ND	3.44	28.01
26	Gold	36 (91.44)	MC	A1AXH-2636M-ND	7.35	59.85
		36 (91.44)	GR	A1AXH-2636G-ND	3.96	32.22
30	Gold	36 (91.44)	MC	A1AXH-3036M-ND	7.84	63.86
		36 (91.44)	GR	A1AXH-3036G-ND	4.45	36.23
34	Gold	36 (91.44)	MC	A1AXH-3436M-ND	9.07	73.83
		36 (91.44)	GR	A1AXH-3436G-ND	4.23	34.49
40	Gold	36 (91.44)	MC	A1AXH-4036M-ND	10.49	85.45
		36 (91.44)	GR	A1AXH-4036G-ND	5.23	42.55
50	Gold	36 (91.44)	MC	A1AXH-5036M-ND	13.67	111.32
		36 (91.44)	GR	A1AXH-5036G-ND	6.56	53.46
64	Gold	36 (91.44)	MC	A1AXH-6436M-ND	16.31	132.81
		36 (91.44)	GR	A1AXH-6436G-ND	8.21	66.84

Also available in the following versions:

A1BXH-□□□□□-ND — Socket Connector with Strain Relief
Note: Also available with 60 contacts.

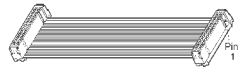
A1CXH-□□□□□-ND — Socket Connector with Central Polarizing Key
Note: Also available with 60 contacts.

A1DXH-□□□□□-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 Socket Connector

* MC = Multi-Color,
GR = Gray



Socket connector without strain relief shown.

No. of Contacts	Conn. Finish	Length Inch (cm)	Ribbon* Cable	Digi-Key Part No.	Pricing 1	Pricing 10
10	Gold	6 (15.24)	MC	A3AAH-1006M-ND	2.45	19.91
		6 (15.24)	GR	A3AAH-1006G-ND	2.22	18.08
		18 (45.72)	MC	A3AAH-1018M-ND	3.10	25.26
		18 (45.72)	GR	A3AAH-1018G-ND	2.42	19.76
		36 (91.44)	MC	A3AAH-1036M-ND	4.09	33.29
		36 (91.44)	GR	A3AAH-1036G-ND	2.74	22.29
14	Gold	6 (15.24)	MC	A3AAH-1406M-ND	3.59	29.20
		6 (15.24)	GR	A3AAH-1406G-ND	3.24	26.37
		18 (45.72)	MC	A3AAH-1418M-ND	4.57	37.23
		18 (45.72)	GR	A3AAH-1418G-ND	3.53	28.73
		36 (91.44)	MC	A3AAH-1436M-ND	6.05	49.27
		36 (91.44)	GR	A3AAH-1436G-ND	3.96	32.27
16	Gold	6 (15.24)	MC	A3AAH-1606M-ND	3.78	30.80
		6 (15.24)	GR	A3AAH-1606G-ND	3.42	27.86
		18 (45.72)	MC	A3AAH-1618M-ND	4.84	39.36
		18 (45.72)	GR	A3AAH-1618G-ND	3.75	30.55
		36 (91.44)	MC	A3AAH-1636M-ND	6.41	52.21
		36 (91.44)	GR	A3AAH-1636G-ND	4.25	34.59
20	Gold	6 (15.24)	MC	A3AAH-2006M-ND	4.35	35.41
		6 (15.24)	GR	A3AAH-2006G-ND	3.93	31.97
		18 (45.72)	MC	A3AAH-2018M-ND	5.66	46.12
		18 (45.72)	GR	A3AAH-2018G-ND	4.39	35.79
		36 (91.44)	MC	A3AAH-2036M-ND	7.64	62.18
		36 (91.44)	GR	A3AAH-2036G-ND	5.10	41.52
24	Gold	6 (15.24)	MC	A3AAH-2406M-ND	5.05	41.16
		6 (15.24)	GR	A3AAH-2406G-ND	4.45	36.26
		18 (45.72)	MC	A3AAH-2418M-ND	6.70	54.54
		18 (45.72)	GR	A3AAH-2418G-ND	4.89	39.85
		36 (91.44)	MC	A3AAH-2436M-ND	9.16	74.62
		36 (91.44)	GR	A3AAH-2436G-ND	5.55	45.24
26	Gold	6 (15.24)	MC	A3AAH-2606M-ND	5.30	43.15
		6 (15.24)	GR	A3AAH-2606G-ND	4.73	38.54
		18 (45.72)	MC	A3AAH-2618M-ND	7.01	57.06
		18 (45.72)	GR	A3AAH-2618G-ND	5.31	43.25
		36 (91.44)	MC	A3AAH-2636M-ND	9.57	77.94
		36 (91.44)	GR	A3AAH-2636G-ND	6.18	50.32
30	Gold	6 (15.24)	MC	A3AAH-3006M-ND	6.29	51.17
		6 (15.24)	GR	A3AAH-3006G-ND	5.72	46.57
		18 (45.72)	MC	A3AAH-3018M-ND	7.99	65.09
		18 (45.72)	GR	A3AAH-3018G-ND	6.29	51.27
		36 (91.44)	MC	A3AAH-3036M-ND	10.56	85.97
		36 (91.44)	GR	A3AAH-3036G-ND	7.17	58.33
34	Gold	6 (15.24)	MC	A3AAH-3406M-ND	5.84	47.55
		6 (15.24)	GR	A3AAH-3406G-ND	5.03	40.98
		18 (15.24)	MC	A3AAH-3418M-ND	8.07	65.75
		18 (45.72)	GR	A3AAH-3418G-ND	5.66	46.07
		36 (91.44)	MC	A3AAH-3436M-ND	11.43	93.05
		36 (91.44)	GR	A3AAH-3436G-ND	6.59	53.70
40	Gold	6 (15.24)	MC	A3AAH-4006M-ND	6.53	53.12
		6 (15.24)	GR	A3AAH-4006G-ND	5.65	45.98
		18 (45.72)	MC	A3AAH-4018M-ND	9.15	74.54
		18 (45.72)	GR	A3AAH-4018G-ND	6.52	53.09
		36 (91.44)	MC	A3AAH-4036M-ND	13.10	106.66
		36 (91.44)	GR	A3AAH-4036G-ND	7.83	63.76
50	Gold	6 (15.24)	MC	A3AAH-5006M-ND	9.26	75.42
		6 (15.24)	GR	A3AAH-5006G-ND	8.08	65.78
		18 (45.72)	MC	A3AAH-5018M-ND	12.55	102.18
		18 (45.72)	GR	A3AAH-5018G-ND	9.00	73.26
		36 (91.44)	MC	A3AAH-5036M-ND	17.48	142.34
		36 (91.44)	GR	A3AAH-5036G-ND	10.37	84.48

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