



Protected Headers

Straight-Lead

No. of Pins	Dim. A In. (mm)
10	1.26 (32.00)
14	1.46 (37.08)
16	1.56 (39.62)
20	1.76 (44.70)
26	2.06 (52.32)
34	2.46 (62.48)
40	2.76 (70.10)
50	3.26 (82.80)
60	3.76 (95.50)

Lock Ejector Hooks, two required per connector, sold separately

Right-Angle

No. of Pins	Dim. A In. (mm)
10	1.26 (32.00)
14	1.46 (37.08)
16	1.56 (39.62)
20	1.76 (44.70)
26	2.06 (52.32)
34	2.46 (62.48)
40	2.76 (70.10)
50	3.26 (82.80)
60	3.76 (95.50)

Lock Ejector Hooks, two required per connector, sold separately

Straight-Lead Wire Wrap

Lock Ejector Hooks, two required per connector, sold separately

Right-Angle Wire Wrap

Lock Ejector Hooks, two required per connector, sold separately

SPECIFICATIONS:
 • **Contacts:** Phosphor bronze, standard • **Contact Plating:** 10µ inch gold (in mating area) over 50µ inch nickel • **Insulator Material:** UL 94V-0 flame-retardant thermoplastic • **Color:** Blue • **Operating Temperature:** -55°C ~ 125°C • **Current Rating:** 1A (maximum) per contact • **Dielectric Withstand Voltage:** greater than 500VDC at sea level • **Insulation Resistance:** greater than 5 x 10⁹Ω • U.S. Defense Department Mil-C-83503/20, 21, approved

No. of Contacts	Description	Digi-Key Part No.	1	10	100	1,000
Protected Headers - Gold Finish						
10	Straight-Lead	CHS10G-ND	1.12	.85	.65	.47
	Right-Angle	CHR10G-ND	1.12	.85	.65	.47
	Straight-Lead WW	CHW10G-ND	2.29	1.74	1.34	.97
	Right-Angle WW	CHA10G-ND	2.29	1.74	1.34	.97
14	Straight-Lead	CHS14G-ND	1.43	1.09	.83	.60
	Right-Angle	CHR14G-ND	1.43	1.09	.83	.60
	Straight-Lead WW	CHW14G-ND	2.91	2.21	1.70	1.23
	Right-Angle WW	CHA14G-ND	2.91	2.21	1.70	1.23
16	Straight-Lead	CHS16G-ND	1.58	1.20	.92	.67
	Right-Angle	CHR16G-ND	1.58	1.20	.92	.67
	Straight-Lead WW	CHW16G-ND	3.29	2.50	1.91	1.38
	Right-Angle WW	CHA16G-ND	3.29	2.50	1.91	1.38
20	Straight-Lead	CHS20G-ND	1.67	1.27	.98	.71
	Right-Angle	CHR20G-ND	1.67	1.27	.98	.71
	Straight-Lead WW	CHW20G-ND	3.41	2.59	1.98	1.43
	Right-Angle WW	CHA20G-ND	3.41	2.59	1.98	1.43
26	Straight-Lead	CHS26G-ND	2.05	1.56	1.19	.86
	Right-Angle	CHR26G-ND	2.05	1.56	1.19	.86
	Straight-Lead WW	CHW26G-ND	4.09	3.11	2.38	1.72
	Right-Angle WW	CHA26G-ND	4.09	3.11	2.38	1.72
34	Straight-Lead	CHS34G-ND	2.45	1.86	1.43	1.03
	Right-Angle	CHR34G-ND	2.45	1.86	1.43	1.03
	Straight-Lead WW	CHW34G-ND	4.90	3.72	2.85	2.06
	Right-Angle WW	CHA34G-ND	4.90	3.72	2.85	2.06
40	Straight-Lead	CHS40G-ND	2.98	2.26	1.73	1.25
	Right-Angle	CHR40G-ND	2.98	2.26	1.73	1.25
	Straight-Lead WW	CHW40G-ND	5.98	4.54	3.48	2.51
	Right-Angle WW	CHA40G-ND	5.98	4.54	3.48	2.51
50	Straight-Lead	CHS50G-ND	3.35	2.54	1.95	1.41
	Right-Angle	CHR50G-ND	3.35	2.54	1.95	1.41
	Straight-Lead WW	CHW50G-ND	6.70	5.08	3.89	2.81
	Right-Angle WW	CHA50G-ND	6.70	5.08	3.89	2.81

No. of Contacts	Description	Digi-Key Part No.	1	10	100	1,000
60	Straight-Lead ST* (Shrouded)	CHB60G-ND	5.44	4.13	3.16	2.29
	Straight-Lead WW* (Shrouded)	CHC60G-ND	5.44	4.13	3.16	2.29
	Right-Angle ST* (Shrouded)	CHD60G-ND	3.98	3.02	2.32	1.67
	Right-Angle WW* (Shrouded)	CHE60G-ND	5.44	4.13	3.16	2.29
CLKS01-ND Lock Ejector Hooks-Short (2 required per connector)... \$37/2						
CLKS02-ND Lock Ejector Hooks: Long - with strain relief; (2 required per connector)... \$37/2						

* Lock ejector hooks included



Protected Headers

SPECIFICATIONS:
 • **Material and Finish:** Housing and Latches — Black thermo-plastic, 94V-0 rated
 • **Contact Finish:** 15µ or 30µ gold on post/pin mating end, 100µ* tin on termination end, with entire contact underplated, 00050 nickel
 • Connectors recognized under component program of Under-writers Laboratories Inc. File No. E28476
 • Connectors certified by Canadian Standards Association File No. LR16455
 • .025" (64mm) Sq. Posts, .240" (6.10mm) Mating Post Length

Straight-Lead

No. of Pins	Dim. A In. (mm)
10	1.26 (32.00)
14	1.46 (37.08)
16	1.56 (39.62)
20	1.76 (44.70)
24	1.96 (49.78)
26	2.06 (52.32)
30	2.26 (57.40)
34	2.46 (62.48)
40	2.76 (70.10)
50	3.26 (82.80)
60	3.76 (95.50)
64	3.96 (100.58)

Lock Ejector Hooks, two required per connector, sold separately

No. of Contacts	Cont. Gold Plat.	Post Length Inch (mm)	Digi-Key Part No.	Price Each 1	10	AMP Part No.
Pin Header without Latches						
20	30µ"	.155 (3.94)	AHJ20K-ND	2.51	2.26	102156-4
30	15µ"	.110 (2.79)	AHS30G-ND	4.31	3.89	102153-7
Pin Header Without Latches — RoHS Compliant						
10	15µ"	.110 (2.79)	AHS10H-ND	1.00	.90	5102153-1
	30µ"	.110 (2.79)	AHS10L-ND	1.14	1.03	5102154-1
	15µ"	.155 (3.94)	AHJ10H-ND	1.14	1.03	5102155-1
14	15µ"	.110 (2.79)	AHS14H-ND	1.38	1.25	5102153-2
	30µ"	.110 (2.79)	AHS14L-ND	1.80	1.62	5102154-2
16	15µ"	.110 (2.79)	AHS16H-ND	1.57	1.42	5102153-3
	30µ"	.110 (2.79)	AHS16L-ND	1.81	1.63	5102154-3
	15µ"	.155 (3.94)	AHJ16H-ND	1.81	1.63	5102155-3
20	15µ"	.155 (3.94)	AHJ16L-ND	3.27	2.72	5102156-3
	15µ"	.110 (2.79)	AHS20H-ND	1.95	1.76	5102153-4
	30µ"	.110 (2.79)	AHS20L-ND	2.61	2.35	5102154-4
24	15µ"	.155 (3.94)	AHJ20L-ND	3.93	3.54	5102156-4
	15µ"	.110 (2.79)	AHS24H-ND	2.78	2.51	5102153-5
	30µ"	.110 (2.79)	AHS24L-ND	3.07	2.77	5102154-5
26	15µ"	.155 (3.94)	AHJ24L-ND	2.76	2.49	5102156-5
	15µ"	.110 (2.79)	AHS26H-ND	2.47	2.23	5102153-6
	30µ"	.110 (2.79)	AHS26L-ND	2.61	2.36	5102154-6
30	15µ"	.155 (3.94)	AHJ26H-ND	3.01	2.71	5102155-6
	30µ"	.155 (3.94)	AHJ26L-ND	3.48	3.13	5102156-6
	15µ"	.110 (2.79)	AHS30H-ND	3.91	3.52	5102153-7
34	15µ"	.110 (2.79)	AHS30L-ND	4.56	4.11	5102154-7
	15µ"	.110 (2.79)	AHS34H-ND	3.92	3.53	5102153-8
	30µ"	.110 (2.79)	AHS34L-ND	3.23	2.91	5102154-8
40	15µ"	.155 (3.94)	AHJ34H-ND	3.23	2.91	5102155-8
	30µ"	.155 (3.94)	AHJ34L-ND	3.42	3.08	5102156-8
	15µ"	.110 (2.79)	AHS40H-ND	3.61	3.26	5102153-9
50	15µ"	.110 (2.79)	AHS40L-ND	3.71	3.34	5102154-9
	15µ"	.155 (3.94)	AHJ40H-ND	4.26	3.84	5102155-9
	30µ"	.155 (3.94)	AHJ40L-ND	3.95	3.56	5102156-9
60	15µ"	.110 (2.79)	AHS50H-ND	4.28	3.86	5102153-10
	30µ"	.110 (2.79)	AHS50L-ND	5.33	4.80	5102154-10
	15µ"	.155 (3.94)	AHJ50H-ND	5.03	4.53	5102155-10
64	15µ"	.155 (3.94)	AHJ50L-ND	5.82	5.24	5102156-10
	15µ"	.110 (2.79)	AHS60L-ND	6.18	5.57	5102154-11
	30µ"	.155 (3.94)	AHJ60L-ND	7.41	6.67	5102156-11
64	15µ"	.110 (2.79)	AHS64H-ND	5.61	5.05	5102153-12
	30µ"	.110 (2.79)	AHS64L-ND	6.33	5.70	5102154-12
	15µ"	.155 (3.94)	AHJ64H-ND	9.69	8.73	5102155-12
	30µ"	.155 (3.94)	AHJ64L-ND	6.63	5.97	5102156-12
Pin Header with ACTION PIN Contacts						
34	30µ"	.174 (4.42)	AHA34A-ND	5.37	4.84	499582-8

No. of Contacts	Cont. Gold Plat.	Post Length Inch (mm)	Digi-Key Part No.	Price Each 1	10	AMP Part No.
Pin Header with ACTION PIN Contacts — RoHS Compliant						
10	30µ"	.174 (4.42)	AHA10B-ND	2.20	1.99	1658694-6
14	30µ"	.174 (4.42)	AHA14B-ND	2.47	2.23	1658694-7
16	30µ"	.174 (4.42)	AHA16B-ND	3.36	3.03	1658694-8
20	30µ"	.174 (4.42)	AHA20B-ND	3.94	3.55	1658694-9
24	30µ"	.174 (4.42)	AHA24B-ND	4.75	4.28	1658694-10
26	30µ"	.174 (4.42)	AHA26B-ND	4.09	3.68	1658694-11
30	30µ"	.174 (4.42)	AHA30B-ND	4.61	4.15	1-1658694-0
34	30µ"	.174 (4.42)	AHA34B-ND	5.04	4.54	1-1658694-1
40	30µ"	.174 (4.42)	AHA40B-ND	5.55	5.00	1-1658694-3
64	30µ"	.174 (4.42)	AHA64B-ND	10.32	9.29	1658694-5
Pin Header with Short Latches						
26	30µ"	.155 (3.94)	AHG26A-ND	5.18	4.67	499374-6
Pin Header with Short Latches — RoHS Compliant						
10	15µ"	.110 (2.79)	AHE10H-ND	1.66	1.50	5499910-1
	30µ"	.110 (2.79)	AHE10B-ND	1.76	1.59	5499160-1
	30µ"	.155 (3.94)	AHG10B-ND	2.47	2.22	5499374-1
14	15µ"	.110 (2.79)	AHE14H-ND	2.28	2.06	5499910-2
	30µ"	.110 (2.79)	AHE14B-ND	4.35	3.92	5499374-2
16	15µ"	.110 (2.79)	AHE16H-ND	2.52	2.27	5499910-3
	30µ"	.110 (2.79)	AHE16B-ND	2.71	2.44	5499160-3
20	15µ"	.110 (2.79)	AHE20H-ND	3.77	3.39	5499910-4
	30µ"	.110 (2.79)	AHE20B-ND	6.30	5.67	5499160-4
	30µ"	.155 (3.94)	AHG20B-ND	5.84	5.26	5499374-4
24	15µ"	.110 (2.79)	AHE24H-ND	3.57	3.21	5499910-5
	30µ"	.110 (2.79)	AHE24B-ND	4.75	4.28	5499374-5
26	15µ"	.110 (2.79)	AHE26H-ND	3.80	3.43	5499910-6
	30µ"	.110 (2.79)	AHE26B-ND	4.98	4.49	5499160-6
	30µ"	.155 (3.94)	AHG26B-ND	4.70	4.24	5499374-6
30	15µ"	.110 (2.79)	AHE30H-ND	6.74	6.07	5499910-7
34	15µ"	.110 (2.79)	AHE34H-ND	4.71	4.24	5499910-8
	30µ"	.110 (2.79)	AHE34B-ND	5.07	4.57	5499160-8
	30µ"	.155 (3.94)	AHG34B-ND	7.11	6.40	5499374-8
40	15µ"	.110 (2.79)	AHE40H-ND	5.57	5.92	5499910-9
	30µ"	.110 (2.79)	AHE40B-ND	7.17	6.46	5499160-9
	30µ"	.155 (3.94)	AHG40B-ND	9.06	8.16	5499374-9
50	15µ"	.110 (2.79)	AHE50H-ND	6.54	5.89	1-5499910-0
	30µ"	.110 (2.79)	AHE50B-ND	8.73	7.86	1-5499160-0
	30µ"	.155 (3.94)	AHG50B-ND	8.73	7.86	1-5499374-0
Pin Header with Long Latches						
60	30µ"	.155 (3.94)	AHL60A-ND	13.89	12.51	1-102