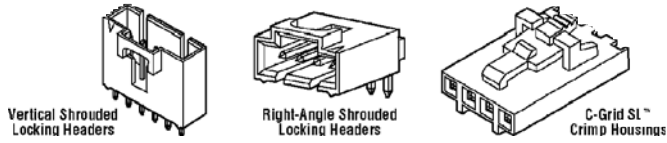


C-Grid SL™ Crimp Headers and Housings



C-GRID SL™ Headers
Surface mount compatible. Single-row. Available: Vertical or right-angle. Rating: UL94V-0. Pins: Gold plated in contact area and tin-lead plated in solder area. Current: 3 A. Temperature: -40° to +125°C.

Vertical Shrouded Locking Headers

Stock No.	Mfr.'s Type	Pos.	PER PK./10			
			1-9	10-24	25-49	50-Up
863-9967	70543-0001	2	6.37	5.73	4.78	4.09
863-9968	70543-0002	3	7.17	6.32	5.75	5.27
863-9962	70543-0003	4	7.84	7.06	6.42	5.88
863-9971	70543-0004	5	7.61	6.92	6.34	5.44
863-9972	70543-0005	6	8.22	7.47	6.85	5.87
863-9959	70543-0006	7	8.81	8.01	7.34	6.29
863-9982	70543-0007	8	9.45	8.59	7.87	6.75
863-9983	70543-0008	9	10.06	9.14	8.38	7.18
863-9984	70543-0009	10	10.69	9.72	8.91	7.64

Right-Angle Shrouded Locking Headers

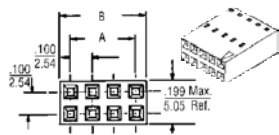
Stock No.	Mfr.'s Type	Pos.	PER PK./10			
			1-9	10-24	25-49	50-Up
863-9952	70553-0001	2	5.73	5.21	4.78	4.09
863-9953	70553-0004	5	7.61	6.92	6.34	5.44
863-9954	70553-0005	6	8.22	7.47	6.85	5.87
863-9955	70553-0006	7	8.81	8.01	7.34	6.29
863-9956	70553-0007	8	9.45	8.59	7.87	6.75
863-9957	70553-0008	9	10.06	9.14	8.38	7.18
863-9958	70553-0009	10	10.69	9.72	8.91	7.64

C-Grid SL™ Crimp Housings
Single-row 0.100" center locking housings are designed for wire-to-board applications. Anti-entanglement/overstress ribs prevent discrete wires from catching under latch during harness manufacturing and storage. Housing: Black glass-filled polyester. Rating: UL94V-0. Temperature: -40° to +120°C.

Stock No.	Mfr.'s Type	Pos.	PER PK./10			
			1-9	10-24	25-49	50-Up
863-3258	50-57-9402	2	2.55	2.32	2.13	1.82
863-3257	50-57-9403	3	4.69	3.91	3.35	3.13
863-3259	50-57-9405	5	5.08	4.62	4.23	3.63
863-3254	50-57-9406	6	5.41	4.91	4.50	3.86
863-3256	50-57-9408	8	5.90	5.36	4.91	4.21
863-3261	50-57-9409	9	6.53	5.93	5.44	4.66
863-3262	50-57-9410	10	6.87	6.25	5.73	4.91

C-Grid SL™ Hand Crimpers
863-0494. 11-01-0208. 22-24 AWG EACH 244.52
863-0495. 11-01-0209. 24-30 AWG EACH 246.84

Dual Row Crimp Connector Housing



▶ End-to-End and Side-by-Side Stackable on 0.100" Grid

Stock No.	Mfr.'s Type	No. of Circuits	Dimensions		PER PK./10	
			A	B	1-4	5-9
863-3176	22-55-2041	4	0.100	0.199	11.17	10.06
863-3175	22-55-2061	6	0.200	0.299	11.76	10.59
863-3180	22-55-2081	8	0.200	0.399	12.29	11.06
863-3185	22-55-2101	10	0.400	0.499	12.67	11.59
863-3177	22-55-2121	12	0.500	0.599	13.42	12.08
863-3190	22-55-2161	16	0.700	0.799	14.48	13.04
863-3178	22-55-2141	14	0.600	0.699	13.99	12.59
863-3179	22-55-2181	18	0.800	0.899	15.03	13.53
863-3195	22-55-2201	20	0.900	0.999	26.32	23.69
863-3181	22-55-2221	22	1.000	1.099	16.14	14.52
863-3182	22-55-2241	24	1.100	1.199	16.71	15.03
863-3200	22-55-2261	26	1.200	1.299	29.10	26.19
863-3183	22-55-2301	30	1.400	1.499	18.36	16.52
863-3215	22-55-2401	40	1.900	1.999	35.59	32.03
863-3184	22-55-2501	50	2.400	2.499	23.82	21.44

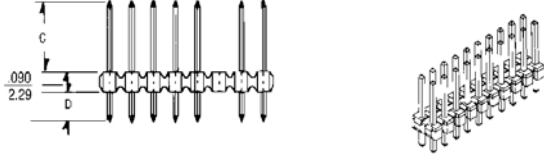
Single Row Crimp Connector Housing

▶ "A" Version, Non-Polarized, End-to-End and Side-by-Side Stackable



Stock No.	Mfr.'s Type	No. of Circuits	PER PK./10	
			1-4	5-9
863-3250	50-57-9002	2	4.01	3.61
863-3255	50-57-9003	3	5.19	4.67
863-3260	50-57-9004	4	5.42	4.88
863-3265	50-57-9005	5	5.64	5.08
863-3263	50-57-9006	6	5.64	5.08
863-3270	50-57-9008	8	4.81	4.33
863-3264	50-57-9009	9	4.81	4.33
863-3275	50-57-9010	10	5.42	4.88
863-3280	50-57-9014	14	7.41	6.67

Dual Row Straight Pin Breakaway Headers



- ▶ Stackable Side-to-Side and End-to-End (on Unbroken Edges)
- ▶ Easy Breakaway to Smaller Sizes
- ▶ Standoffs Facilitate Post Solder Cleaning
- ▶ Drawn 0.025" Square Wire Provides 4-Sided Smooth Surface for Quality Interface

Mates with female connectors on 0.100" grid. Single and Dual Row PCB Connectors. e.g. 70192, 7990. Single and Dual Row IDT Connectors. e.g. 70400-A, 70451-A. Single and Dual Row Crimp Connectors. e.g. 70068-A, 70450-A. Ribbon Cable Connectors. e.g. 40312. Flat Flexible Connectors. e.g. 70430-A, 40556 Shunts. e.g. 7859, 90058.

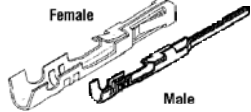
0.100" — Dimension C = 0.240"

Stock No.	Mfr.'s Type	No. of Circuits	Dimension (in.) D	EACH		
				1-49	50-99	100-249
863-3071	10-89-1041	4	0.110	.66	.59	.49
863-3075	10-89-1061	6	0.110	.85	.77	.64
863-3080	10-89-1081	8	0.110	1.28	.86	.73
863-3085	10-89-1101	10	0.110	1.20	1.08	.90
863-3072	10-89-1121	12	0.110	1.43	1.28	1.07
863-3073	10-89-1141	14	0.110	1.59	1.43	1.20
863-3090	10-89-1161	16	0.110	1.74	1.57	1.31
863-3074	10-89-1181	18	0.110	1.98	1.78	1.49
863-3095	10-89-1201	20	0.110	2.09	1.88	1.57
863-3076	10-89-1221	22	0.110	2.40	2.16	1.80
863-3077	10-89-1241	24	0.110	2.55	2.29	1.91
863-3100	10-89-1261	26	0.110	2.69	2.42	2.02
863-3105	10-89-1301	30	0.110	3.31	2.98	2.48
863-3110	10-89-1341	34	0.110	3.60	3.24	2.70
863-3115	10-89-1401	40	0.110	4.03	3.63	3.02
863-3120	10-89-1501	50	0.110	5.74	5.17	4.31

0.100" — Dimension C = 0.320"

Stock No.	Mfr.'s Type	No. of Circuits	Dimension (in.) D	EACH		
				1-49	50-99	100-249
863-3130	10-89-1083	8	0.110	1.08	.97	.81
863-3135	10-89-1103	10	0.110	1.26	1.14	.95
863-3140	10-89-1163	16	0.110	1.82	1.64	1.37
863-3145	10-89-1203	20	0.110	2.20	1.98	1.65
863-3150	10-89-1263	26	0.110	2.82	2.54	2.12
863-3155	10-89-1303	30	0.110	3.48	3.13	2.61
863-3160	10-89-1343	34	0.110	3.78	3.41	2.84
863-3165	10-89-1403	40	0.110	4.24	3.81	3.18
863-3170	10-89-1503	50	0.110	6.03	5.43	4.52

Crimp Terminals and Polarization Pin



- ▶ For Single and Dual Crimp Connector Housings
- ▶ Terminals Accommodate Wire Ranges 22 and 24, 24-30, and 32-36
- ▶ Dual Beam, Fully Enclosed Box Contact with Locking Lance
- ▶ Mates with 0.100" Center Single or Dual-Row Headers or 0.025" Pins

Female

Stock No.	Mfr.'s Type	Wire Range	Plating	Insulation Max. OD	PER PK./100
863-9969	16-02-0102	22-24	3	0.064	10.30
863-3225	16-02-0104	22-24	1	0.064	12.47
863-3226	16-02-0103	22-24	2	0.064	10.40
863-3230	16-02-0096	24-30	3	0.060	5.89
863-3155	16-02-0097	24-30	2	0.060	9.29
863-3240	16-02-0098	24-30	1	0.060	12.47

Male

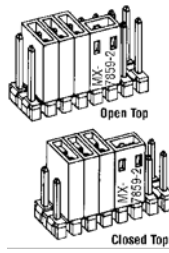
Stock No.	Mfr.'s Type	Wire Range	Plating	Insulation Max. OD	PER PK./100
863-0106	16-02-0114	22-24	3	0.064	6.57
863-0109	16-02-0108	24-30	3	0.060	5.89
863-0110	16-02-0115	22-24	2	0.064	10.88
863-0113	16-02-0109	24-30	2	0.060	10.88

1.30 μ" min. gold in select area over 50 μ" min. Nickel overall with 75 μ" Tin/Lead in select area. 2.15 μ" min. Gold in select area over 50 μ" min. Nickel overall with 75 μ" min. Tin/Lead in select area. 3.150 μ" Tin/Lead over 50 μ" Nickel overall.

Polarization Pin (Universal)
863-3245. Model 15-04-0292 PER PK./10 93

Two Circuit Shunt or Jumper

- ▶ Mates with 0.100" Grid Male Connectors: Dual or Single Row Headers — e.g. 8824 and 70343, 0.025" Square and Round Wire Pins — e.g. 4168
- ▶ Easily Applied — No Soldering
- ▶ Reliable — No Accidental Disconnects
- ▶ Low Cost Alternative to DIP Switches
- ▶ Increases Current Flow and Decreases Resistance vs. DIP Switches
- ▶ Dual Beam Terminals: 2 Points of Contact Per Pin
- ▶ Open and Closed Top Versions
- ▶ Closed Top Prevents Upside Down Mating
- ▶ Stackable End-to-End and Side-to-Side



Specifications. Terminal Material: Phosphor Bronze. Housing: Glass filled polyester. U.L. recognized 94V-0. Contact Resistance: 15 milliohms maximum (gold). Current Rating: 2 amps at 30°C rise over ambient.

863-3285. 15-29-1024. Open top. 15 μ gold plating PER PK./10 2.99
863-3290. 15-29-1025. Closed top. 15 μ gold plating PER PK./10 2.99
863-3295. 15-38-1024. Open top. 200 μ tin plating PER PK./10 1.93