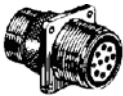


97 Series Rear Release Crimp Type



See Page 429 for Dimension Table.

UL, CSA Recognized. High speed termination, closed entry. Reduces fatigue failure at wire contact junction. Interchangeable and intermountable with 97 Series and MIL-C-5015 type shell styles, both plugs and receptacles. Utilizes Standard 97 Series bright cadmium plated shells and insert configurations. Designed for use with stamped and formed type crimp contacts. The size 16 contact design features insulation crimp support. Use with standard hardware for 97 Series connector. Order accessories with (689), (676) or (639) plating deviation. Accessories are on page 438. **Specifications.** **Standard Shell Finish:** Clear chromate over cadmium plate. **Inserts:** Molded 94 V-0 UL rated material. **Contacts:** Copper alloy formed, silver plated; gold plating also available. **Wire Sizes:** 12-30 AWG. UL File #E115497. CSA File #LR69183. **Operating Temperature Range:** -55°C to +125°C. **Contacts sold separately. (See Contacts and Tools below.)**

Receptacles

No. of Contacts	Shell Size and Insert	97-4100A		97-4101A		97-4102A	
		EACH		EACH		EACH	
		1-9	10-49	1-9	10-49	1-9	10-49
2	12S-3P	12.25	9.40	14.54	11.28	6.67	4.86
2	12S-3S	12.25	9.40	14.54	11.28	6.67	4.86
3	14S-1P	10.82	8.31	13.15	10.10	7.68	5.50
3	14S-1S	10.82	8.31	13.15	10.10	7.68	5.50
4	14S-2P	10.63	8.17	12.96	9.96	7.42	5.31
4	14S-2S	9.73	8.11	10.61	8.84	5.83	4.77
5	14S-5P	11.19	8.61	13.38	10.39	8.02	5.73
5	14S-5S	11.19	8.61	13.38	10.39	8.02	5.73
3	14S-7P	11.40	8.75	13.59	10.54	7.68	5.50
3	14S-7S	11.40	8.75	13.59	10.54	7.68	5.50
7	16S-1P	14.16	10.98	13.70	10.64	8.46	6.03
7	16S-1S	14.16	10.98	13.70	10.64	8.46	6.03
5	16S-8P	14.44	11.20	13.99	10.86	8.24	5.88
5	16S-8S	14.44	11.20	13.99	10.86	8.24	5.88
10	18-1P	12.93	10.78	14.88	12.39	9.82	7.03
10	18-1S	14.70	11.40	16.85	13.08	8.25	6.75
4	18-4P	13.57	10.52	15.73	12.19	9.03	6.49
4	18-4S	13.57	10.52	15.73	12.19	9.03	6.49
5	18-11P	16.46	12.77	18.61	14.44	10.91	7.62
5	18-11S	16.46	12.77	18.61	14.44	10.91	7.62
6	18-12P	15.43	11.98	17.56	13.62	9.36	6.99
6	18-12S*	15.43	11.98	17.56	13.62	9.36	6.99
10	18-19P	17.61	13.66	19.77	15.33	10.36	7.62
10	18-19S	14.93	12.44	19.77	15.33	10.36	7.62
5	18-20P	16.51	12.80	18.72	14.52	10.32	7.69
5	18-20S	16.51	12.80	18.72	14.52	10.32	7.69
4	20-4P	17.73	13.76	18.99	14.72	12.12	8.94
4	20-4S	17.73	13.76	18.99	14.72	12.12	8.94
8	20-7P	16.68	12.94	14.20	11.83	8.14	6.66
8	20-7S	16.68	12.94	17.94	13.92	8.69	7.04
14	20-27P	15.80	12.93	18.61	14.44	9.69	7.75
14	20-27S	17.33	13.43	18.61	14.44	10.15	8.12
19	22-14P	15.69	13.07	19.86	15.40	12.77	9.41
19	22-14S*	18.78	14.55	19.86	15.40	9.14	7.62
7	24-2P	26.98	20.93	27.06	20.99	14.03	11.70
7	24-2S	26.98	20.93	27.06	20.99	18.03	13.09
22	28-11P	26.32	20.42	29.42	22.84	20.18	14.71
22	28-11S	26.32	20.42	24.83	20.69	17.11	14.00
26	28-12P	25.71	19.96	28.57	22.17	17.11	14.00
26	28-12S*	25.71	19.96	28.57	22.17	15.50	12.69
14	28-20P	30.20	23.44	33.30	25.83	20.54	13.88
14	28-20S	30.20	23.44	33.30	25.83	20.54	13.88
37	28-21P	25.89	20.08	28.72	22.28	15.64	12.80
37	28-21S	21.69	18.07	28.72	22.28	19.49	14.25
52	32-414P	—	—	—	—	58.48	39.54
52	32-414S	—	—	—	—	58.48	39.54
48	36-10P	—	—	—	—	23.40	19.51
48	36-10S	—	—	—	—	23.40	19.51

*Short socket contacts.

Mating Plugs

Shell Size and Insert	97-4106A		97-4106B		97-4107A		97-4108B	
	EACH		EACH		EACH		EACH	
	1-9	10-49	1-9	10-49	1-9	10-49	1-9	10-49
12S-3S	10.74	7.68	—	—	17.40	13.38	13.25	9.44
12S-3P	10.74	7.68	—	—	17.40	13.38	13.25	9.44
14S-1S	9.87	8.00	13.67	9.60	15.75	12.10	12.65	9.03
14S-1P	11.30	8.00	13.67	9.60	15.75	12.10	12.65	9.03
14S-2S	11.28	8.04	13.69	9.64	15.60	12.01	12.71	9.08
14S-2P	9.52	7.79	13.69	9.64	15.60	12.01	12.71	9.08
14S-5S	11.70	8.29	14.13	9.94	16.12	12.41	12.71	9.08
14S-5P	11.70	8.29	14.13	9.94	16.12	12.41	12.71	9.08
14S-7S	11.30	8.06	13.67	9.60	15.75	12.10	12.65	9.03
14S-7P	11.30	8.06	13.67	9.60	15.75	12.10	12.65	9.03
16S-1S	12.10	8.60	15.25	10.77	13.71	11.60	14.41	10.22
16S-1P	12.10	8.60	15.25	10.77	16.77	12.90	14.41	10.22
16S-8S	11.76	8.35	15.21	10.76	17.04	13.11	14.12	10.03
16S-8P	11.76	8.35	15.21	10.76	17.04	13.11	14.12	10.03
18-1S	14.85	10.40	17.63	12.41	23.20	17.85	18.49	12.99
18-1P	14.85	10.40	17.63	12.41	23.20	17.85	18.49	12.99
18-4S	11.04	9.03	13.28	11.07	22.28	17.14	17.94	12.57
18-4P	12.67	9.12	16.83	11.87	22.28	17.14	17.94	12.57
18-11S	15.15	10.63	18.34	12.88	23.79	18.30	19.06	13.36
18-11P	12.78	10.46	18.34	12.88	23.79	18.30	19.06	13.36
18-12S*	11.92	9.75	17.82	12.51	22.94	17.65	18.43	12.96
18-12P	14.36	10.19	17.82	12.51	22.94	17.65	18.43	12.96
18-19S	15.07	12.33	17.24	14.37	26.04	20.03	20.95	15.09
18-19P	15.07	12.33	18.89	14.69	26.04	20.03	20.95	15.09
18-20S	15.94	11.26	19.56	13.68	23.79	18.30	20.60	14.41
18-20P	15.94	11.26	19.56	13.68	23.79	18.30	20.60	14.41
20-4S	20.95	14.64	23.55	16.39	26.88	20.68	24.68	17.17
20-4P	16.98	13.89	23.55	16.39	26.88	20.68	24.68	17.17
20-7S	15.16	12.41	16.69	13.91	25.06	19.27	22.55	15.73
20-7P	16.05	13.13	21.26	14.87	25.06	19.27	22.55	15.73
20-27S	17.59	14.08	21.39	14.93	26.49	20.39	22.96	15.98
20-27P	18.44	14.75	21.39	14.93	26.49	20.39	22.96	15.98
22-14S*	19.49	15.59	24.05	17.21	31.75	24.43	19.32	16.10
22-14P	16.37	13.39	24.05	17.21	31.75	24.43	25.52	17.76
24-2S	24.39	19.95	29.69	25.12	36.53	28.09	30.44	21.05
24-2P	27.71	19.20	28.68	25.12	36.53	28.09	30.44	21.05
28-11S	30.42	21.05	33.32	22.98	42.76	32.89	33.80	23.32
28-11P	24.41	19.97	28.52	23.77	42.76	32.89	33.80	23.32
28-12S*	29.86	20.64	32.42	22.42	41.91	32.23	32.93	22.73
28-12P	29.86	20.64	32.42	22.42	41.91	32.23	32.93	22.73
28-20S	30.39	20.56	33.08	22.69	44.31	34.08	33.36	22.55
28-20P	27.97	22.89	33.08	22.69	44.31	34.08	33.36	22.55
28-21S	23.73	19.42	32.38	22.65	42.06	32.35	32.83	22.73
28-21P	22.38	18.65	32.38	22.65	42.06	32.35	32.83	22.73
32-414S	76.66	51.83	—	—	—	—	—	—
32-414P	63.40	52.84	—	—	—	—	—	—
36-10S	46.90	39.08	—	—	—	—	—	—
36-10P	46.90	39.08	—	—	—	—	—	—

*Short socket contacts.

Contacts and Tools

Size 12-Silver Plated Contacts

Stock No.	Mfr.'s Type	Wires Sizes AWG	PER PK./100	
			1-9	10-49
714-3100	97-38-1216P-4(920) Pin	12-16	31.53	26.68
714-3110	97-38-1216S-4(920) Socket	12-16	33.38	28.25

Size 16-Silver Plated Contacts

714-3113	97-45-1418P-4(920) Pin	14-18	22.25	18.83
714-3115	97-45-1418S-4(920) Socket	14-18	29.47	24.11
714-3120	97-45-1622P-4(920) Pin	16-22	27.20	22.25
714-3130	97-45-1622S-4(920) Socket	16-22	29.47	24.11
714-3140	97-45-2026P-4(920) Pin	20-26	24.11	20.40
714-3150	97-45-2026S-4(920) Socket	20-26	25.96	21.97
714-3154*	97-55-1418S-4(920) Socket	14-18	25.96	21.97
714-3155*	97-55-1622S-4(920) Socket	16-22	29.47	24.11
714-3156*	97-55-2026S-4(920) Socket	20-26	25.96	21.97

Size 12-Gold Plated Contacts

714-3160	97-38-1216P-5(920) Pin	12-16	114.98	97.29
714-3170	97-38-1216S-5(920) Socket	12-16	126.11	106.71

Size 16-Gold Plated Contacts

Stock No.	Mfr.'s Type	Wires Sizes AWG	PER PK./100	
			1-9	10-49
714-3172	97-45-1418P-5(920) Pin	14-18	61.20	51.78
714-3174	97-45-1418S-5(920) Socket	14-18	66.76	56.49
714-3175	97-45-1622P-5(929) Pin	16-22	68.00	55.64
714-3180	97-45-1622S-5(920) Socket	16-22	74.80	61.20
714-3185	97-45-2026P-5(920) Pin	20-26	61.20	51.78
714-3190	97-45-2026S-5(920) Socket	20-26	66.76	56.49
714-3193*	97-55-1418S-5(920) Socket	14-18	66.76	56.49
714-3195*	97-55-1622S-5(920) Socket	16-22	66.76	56.49
714-3197*	97-55-2026S-5(920) Socket	20-26	66.76	56.49

*Short socket contacts for size 10SL, 12S, 14S and 16S.

Hand Crimp Tools

714-3196.	357-578. 12-22 AWG	EACH	257.94
714-3198.	357-579. 20-30 AWG	EACH	257.94

Insertion/Extraction Tools

Stock No.	Mfr.'s Type	Contact Size	EACH	
			1-9	10-24
714-3192	M81969/14-03	16	1.56	1.24
714-3194	M81969/14-04	12	2.04	1.63

Adapters, Type I and II



97-3055-1