

97E Environmental Series (continued)

Solder Type (continued)

Receptacles						Straight Plugs				Receptacles						Straight Plugs			
No. of Contacts	Shell Size and Insert	97-3100E		97-3101E		Shell Size and Insert	97-3106E		No. of Contacts	Shell Size and Insert	97-3100E		97-3101E		Shell Size and Insert	97-3106E			
		EACH		EACH			EACH				EACH		EACH			EACH			
		1-9	10-49	1-9	10-49		1-9	10-49			1-9	10-49	1-9	10-49		1-9	10-49		
15	28-17P	54.60	41.49	57.91	44.01	28-17S	59.26	45.03	12	28-9P	58.14	44.17	61.45	46.69	28-9S	65.41	49.70		
15	28-17S	58.00	44.08	61.31	46.59	28-17P	55.85	42.44	12	28-9S	64.13	48.74	67.44	51.25	28-9P	65.41	49.70		
12	28-18P	33.31	27.76	38.67	31.64	28-18S	39.37	32.21	4	32-17P	107.45	81.66	110.04	83.62	32-17S	124.56	94.67		
12	28-18S	45.41	34.52	48.72	37.03	28-18P	36.63	29.97	4	32-17S	117.17	89.05	119.76	91.03	32-17P	90.11	75.09		
14	28-2P	43.95	33.41	47.26	35.92	28-2S	47.48	36.10	35	32-7P	88.41	67.19	91.00	69.16	32-7S	118.60	90.14		
14	28-2S	46.23	35.12	49.54	37.64	28-2P	45.22	34.37	35	32-7S	111.21	84.52	113.80	86.49	32-7P	95.81	72.81		
14	28-20P	45.71	34.74	49.01	37.25	20-20S	42.73	34.96	30	32-8P	67.76	51.50	69.50	52.83	32-8S	75.15	57.11		
14	28-20S	40.21	33.51	52.49	39.89	20-20P	41.19	33.70	30	32-8S	67.76	51.50	57.94	48.28	32-8P	61.14	50.95		
37	28-21P	51.99	39.51	55.29	42.03	28-21S	58.60	44.54	4	36-5P	152.75	116.09	154.20	117.19	36-5S	187.61	142.59		
37	28-21S	48.10	39.35	60.65	46.09	28-21P	53.26	40.48	4	36-5S	181.28	137.78	182.75	138.89	36-5P	159.07	120.90		
3	28-6P	51.39	39.05	54.70	41.57	28-6S	57.55	43.73	47	36-7P	91.28	69.37	92.74	70.48	36-7S	104.66	79.55		
3	28-6S	56.28	42.78	59.59	45.29	28-6P	52.66	40.01	47	36-7S	98.34	74.74	99.80	75.85	36-7P	97.60	74.17		

Accessories

Sealing Plugs

Must be installed in the grommet for any holes where a wire is not installed. This will prevent moisture from entering through the grommet.

Stock No.	Mfr.'s Type	Contact Size	Connector Size	EACH	
				1-99	100-Up
714-4500	97-284-16	16	—	.33	.21
714-4502	97-284-12	12	—	.37	.28
714-4504	97-284-8	8	—	.40	.30

Flange Sealing Gaskets

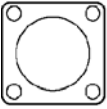
Must be used between the bulkhead and the flange of the receptacle.

714-4510	10-40450-10	—	10SL	.12	.08
714-4512	10-40450-12	—	12, 12S	.12	.08
714-4514	10-40450-14	—	14, 14S	.29	.16
714-4516	10-40450-16	—	16, 16S	.17	.10
714-4518	10-40450-18	—	18	.12	.08
714-4520	10-40450-20	—	20	.38	.29
714-4522	10-40450-22	—	22	.40	.30
714-4524	10-40450-24	—	24	.30	.19
714-4526	10-40450-28	—	28	.66	.49
714-4528	10-40450-32	—	32	.60	.45
714-4530	10-40450-36	—	36	1.05	.80

Accessories (continued)

Backshell/Cable Clamps

Backshell/cable clamp for use with jacketed cable on 97-Series, type A connectors, don't order this cable clamp with the 97E-Series. This cable clamp will prevent moisture from entering the rear of the connector.



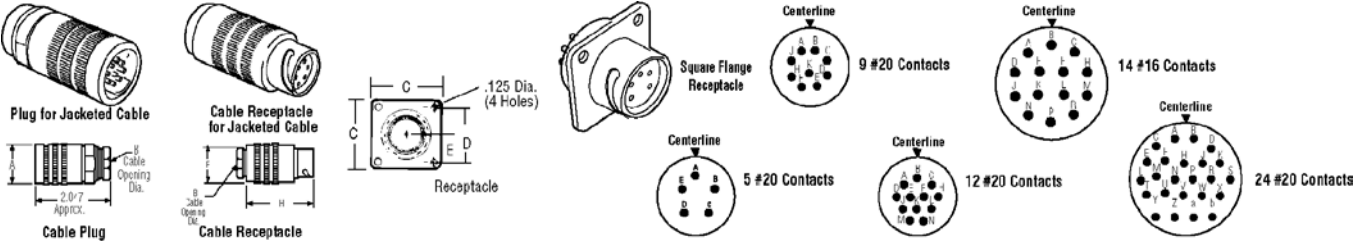
Sealing Gasket



Backshell/Cable Clamp

Stock No.	Mfr.'s Type	Connector Size	Sealing Dim. (In.)		EACH	
			Open	Closed	1-9	10-49
714-4560	97-283-10SL	10SL	0.302	0.094	14.94	12.87
714-4561	97-283-12	12, 12S	0.302	0.094	13.29	11.45
714-4562	97-283-14	14, 14S	0.428	0.230	11.29	9.74
714-4563	97-283-16	16, 16S	0.515	0.316	11.44	9.87
714-4564	97-283-18	18	0.614	0.378	15.48	13.35
714-4565	97-283-20	20	0.738	0.445	14.27	12.30
714-4566	97-283-22	22	0.738	0.445	14.69	12.66
714-4567	97-283-24	24	0.926	0.611	19.08	16.45
714-4568	97-283-28	28	0.926	0.611	22.81	20.91
714-4569	97-283-32	32	1.200	0.922	34.86	31.95
714-4570	97-283-36	36	1.363	0.922	35.67	32.71

Series 165 Miniature Standard Connectors



UL Approved recognition file E115497. Shell components are fabricated from high grade aluminum with gray anodized finish. Contacts are copper alloy — gold over nickel plate. Inserts are diallyl phthalate. Connectors are factory sealed to prevent leakage. O-ring seals in both plugs and receptacles make connectors pressure proof

Dimensions (Inches)

Size	A	B	C	D	E	F	G	H
Small	0.891	0.375*	1.063	0.781	0.391	0.875	0.813	1.922
Large	1.141	0.656	1.313	0.969	0.484	1.125	1.063	1.938

*165-33 and 165-34 have cables opening of 0.281".

Small Shell-5 #20 Contacts

Stock No.	Mfr.'s Type	Amps/Volts*	Description	EACH	
				1-9	10-49
714-5570	165-33	7.5/600	Male Cable Plug	50.63	38.57
714-5573	165-34	7.5/600	Female Cable Plug	62.95	47.98
714-5576	165-35	7.5/600	Male Panel Receptacle	33.60	25.60
714-5579	165-36	7.5/600	Female Panel Receptacle	46.70	35.56
714-5582	165-35-1002	7.5/600	Male Cable Receptacle	59.02	48.90
714-5585	165-36-1003	7.5/600	Female Cable Receptacle	69.68	57.73

Small Shell-9 #20 Contacts

714-5526	165-13	7.5/500	Male Cable Plug	52.33	39.89
714-5529	165-14	7.5/500	Female Cable Plug	69.60	53.04
714-5532	165-15	7.5/500	Male Panel Receptacle	37.12	28.29
714-5535	165-16	7.5/500	Female Panel Receptacle	54.22	41.31
714-5538	165-15-1002	7.5/500	Male Cable Receptacle	63.84	52.83
714-5541	165-16-1003	7.5/500	Female Cable Receptacle	77.31	63.98

*At Sea Level.

and water protected when mated. The cable receptacles and cable plugs are for jacketed cable. Solder termination to contacts quick positive bayonet coupling. **Note:** Plugs mate with receptacles. If the selected plug has male (pin) contacts, the receptacle must have female (socket) contacts for the connectors to mate.

Small Shell-12 #20 Contacts

Stock No.	Mfr.'s Type	Amps/Volts*	Description	EACH	
				1-9	10-49
714-5516	165-9	7.5/500	Male Cable Plug	56.21	46.52
714-5518	165-10	7.5/500	Female Cable Plug	74.61	61.75
714-5520	165-11	7.5/500	Male Panel Receptacle	42.14	34.87
714-5523	165-12	7.5/500	Female Panel Receptacle	59.80	49.49
714-5524	165-11-1002	7.5/500	Male Cable Receptacle	68.81	56.94
714-5525	165-12-1002	7.5/500	Female Cable Receptacle	86.21	71.35

Large Shell-14 #16 Contacts

714-5542	165-29	17.0/500	Male Cable Plug	56.21	46.52
714-5543	165-30	17.0/500	Female Cable Plug	74.61	61.75
714-5544	165-31	17.0/500	Male Panel Receptacle	42.14	34.87
714-5545	165-32	17.0/500	Female Panel Receptacle	59.80	49.49

Large Shell-24 #20 Contacts

714-5550	165-25	7.5/500	Male Cable Plug	56.21	46.52
714-5553	165-26	7.5/500	Female Cable Plug	74.61	61.75
714-5556	165-27	7.5/500	Male Panel Receptacle	42.14	34.87
714-5559	165-28	7.5/500	Female Panel Receptacle	59.80	49.49

*At Sea Level.