

Miniature Cylindrical Connectors

AIPT — The Amphenol® Industrial PT Series

A low cost MIL-C-26482 intermateable connector series specifically for use with automated termination equipment. **Modified MIL-C-26482 Shells, Backshells and Accessories.** Dimensions same as for the PT Series on page 424. The shells are aluminum alloy with cadmium plating and olive drab chromate finish. Three point bayonet coupling. The inserts are molded from UL approved PPS thermoplastic and are designed for size 20 crimp contacts (sold separately). Crimp contacts are sold in reels of 7,000 or in quantity specified strips. The contacts are selectively gold plated, stamped and formed. After crimp to wire, the contacts are rear insertable into the insert without tools and are front releasable. The contacts are size 20 and crimp to 20-24 AWG wire. P = Pin contacts, S = Socket contacts. **Ordering Examples:** AIPT02A10-6P, AIPT06A22-55S(SR).

Class A — General Purpose Connector Assemblies (Contacts Not Included)
Receptacles mate with plugs that are on the same line.

Box Mounting Receptacles

Stock No.	Mfr.'s Type	No. of Contacts Needed	EACH	
			1-9	10-49
714-3300	AIPT02A10-6P	6 pin	8.12	6.77
714-3301	AIPT02A10-6S	6 socket	9.20	7.67
714-3330	AIPT02A14-19P	19 pin	8.75	7.29
714-3331	AIPT02A14-19S	19 socket	10.10	8.42
714-3360	AIPT02A16-26P	26 pin	9.96	8.30
714-3361	AIPT02A16-26S	26 socket	11.42	9.52
714-3390	AIPT02A18-32P	32 pin	10.20	8.50
714-3391	AIPT02A18-32S	32 socket	12.22	10.18
714-3420	AIPT02A22-55P	55 pin	10.36	8.64
714-3421	AIPT02A22-55S	55 socket	12.97	10.81
714-3440	AIPT02A24-61P	61 pin	12.81	10.66
714-3441	AIPT02A24-61S	61 socket	22.58	18.82

Plug with No Back Shell or Strain Relief

Stock No.	Mfr.'s Type	No. of Contacts Needed	EACH	
			1-9	10-49
714-3701	AIPT05A10-6S	6 socket	11.77	9.81
714-3700	AIPT05A10-6P	6 pin	10.67	8.89
714-3731	AIPT05A14-19S	19 socket	13.50	11.25
714-3730	AIPT05A14-19P	19 pin	12.14	10.12
714-3761	AIPT05A16-26S	26 socket	15.52	12.94
714-3760	AIPT05A16-26P	26 pin	14.06	11.71
714-3791	AIPT05A18-32S	32 socket	17.73	14.77
714-3790	AIPT05A18-32P	32 pin	15.73	13.11
714-3821	AIPT05A22-55S	55 socket	18.54	15.45
714-3820	AIPT05A22-55P	55 pin	17.03	14.20
714-3841	AIPT05A24-61S	61 socket	21.77	18.14
714-3840	AIPT05A24-61P	61 pin	20.46	17.05

Plug with Strain Relief

Stock No.	Mfr.'s Type	No. of Contacts Needed	EACH	
			1-9	10-49
714-3501	AIPT06A10-6S(SR)	6 socket	15.52	12.94
714-3500	AIPT06A10-6P(SR)	6 pin	14.67	12.22
714-3531	AIPT06A14-19S(SR)	19 socket	18.75	15.82
714-3530	AIPT06A14-19P(SR)	19 pin	17.36	14.47
714-3561	AIPT06A16-26S(SR)	26 socket	20.87	17.39
714-3560	AIPT06A16-26P(SR)	26 pin	19.40	16.17
714-3591	AIPT06A18-32S(SR)	32 socket	23.13	19.28
714-3590	AIPT06A18-32P(SR)	32 pin	21.13	17.61
714-3621	AIPT06A22-55S(SR)	55 socket	26.56	22.13
714-3620	AIPT06A22-55P(SR)	55 pin	24.70	20.59
714-3641	AIPT06A24-61S(SR)	61 socket	28.11	23.43
714-3640	AIPT06A24-61P(SR)	61 pin	26.40	22.00

Contacts
714-3900. 10-627173-272. Reeled pin contactsPER REEL/7000 670.58

Tools
Varicrimp 2000 press with stripper crimper stripping and crimping in one operation. 2000 terminations per hour. Long service life. Full service support from Amphenol®. Please contact your local Allied sales representative for a quotation. Amphenol® also has crimp

714-3920. 11-012208-000. AIPT hand crimp toolEACH 364.29
714-3925. 11-012210-000. Removal tool for socket contacts.....EACH 54.92

714-3910. 10-567448-272. Reeled socket contactsPER REEL/7000 729.74

contact applicators that are compatible with most common two-station automatic presses. (Amphenol® will need to know the press currently in use.)

714-3927. M81969/14-10. Plastic removal tool for pin contactsEACH 4.94

MS-Series, Solder Type — MIL-C-26482, Series 1

Receptacles mate with plugs that are on the same line in the table. **Ordering Examples:** MS3112E10-6P, MS3116F10-6P.

Class E/F Environmental Receptacles with Strain Relief

Shell Size and Contacts	Wall Mounting		Cable Connecting		Box Mounting	
	MS3110F		MS3111F		MS3112E*	
	EACH		EACH		EACH	
	1-9	10-24	1-9	10-24	1-9	10-24
8-2P	22.89	18.72	22.22	18.67	8.87	7.45
8-2S	23.32	19.60	23.18	19.48	9.85	8.28
8-3P	22.95	19.29	22.83	19.18	11.95	10.04
8-3S	24.27	20.39	24.13	20.28	10.62	8.93
8-4P	23.58	19.29	22.92	19.27	10.02	8.42
8-4S	24.70	20.59	24.72	20.78	11.61	9.75
10-6P	24.77	20.64	25.00	21.01	10.59	8.90
10-6S	27.50	23.10	28.18	23.05	12.22	10.27
10-98P	26.56	22.14	28.69	22.24	12.32	10.08
10-98S	28.09	23.41	28.21	23.51	13.48	11.32
12-3P	24.69	20.57	25.50	21.25	11.36	9.31
12-3S	25.79	21.49	26.60	22.16	12.13	10.19
12-8P	25.93	21.61	26.64	22.19	12.06	10.28
12-8S	28.74	23.95	29.78	24.82	15.39	12.72
12-10P	26.02	21.68	26.63	22.36	12.09	10.16
12-10S	30.82	25.68	31.39	26.15	16.51	13.88
14-5P	27.86	23.41	28.70	24.11	13.36	11.22
14-5S	29.82	24.85	30.91	25.98	16.01	13.08
14-12P	29.75	24.80	30.49	25.23	14.98	12.60
14-12S	35.40	29.75	35.92	30.18	20.23	17.00
14-15P	33.15	27.54	34.47	28.57	15.22	12.79
14-15S	39.33	32.78	40.41	33.69	21.62	18.17
14-18P	31.08	25.90	31.73	26.43	16.62	13.96

*Does not have strain relief and isn't threaded for a strain relief.

Class F Environmental Plugs with Strain Relief

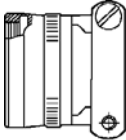
Shell Size and Contacts	Straight	
	MS3116F	
	EACH	
	1-9	10-24
8-2S	21.72	18.26
8-2P	20.77	17.45
8-3S	22.50	18.90
8-3P	21.36	17.95
8-4S	23.42	19.68
8-4P	21.65	18.20
10-6S	21.53	18.10
10-6P	26.76	22.50
10-98S	27.27	22.92
10-98P	25.47	21.41
12-3S	25.42	21.37
12-3P	24.15	20.30
12-8S	28.60	24.04
12-8P	25.35	21.30
12-10S	29.99	25.20
12-10P	25.45	21.38
14-5S	30.10	25.28
14-5P	27.88	23.44
14-12S	35.42	29.75
14-12P	36.15	30.37
14-15S	39.74	33.40
14-15P	33.48	28.13
14-18S	42.86	36.01

Class E/F Environmental Receptacles with Strain Relief (continued)

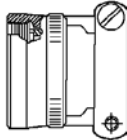
Shell Size and Contacts	Wall Mounting		Cable Connecting		Box Mounting	
	MS3110F		MS3111F		MS3112E*	
	EACH		EACH		EACH	
	1-9	10-24	1-9	10-24	1-9	10-24
14-18S	42.00	35.00	43.32	36.40	28.12	23.63
14-19P	30.61	25.51	31.43	26.19	16.25	13.66
14-19S	38.48	32.06	39.92	33.55	24.74	20.79
16-8P	33.63	28.03	34.47	28.73	16.39	13.72
16-8S	37.79	31.75	39.13	32.18	20.88	17.23
16-26P	37.62	31.34	38.56	31.73	19.90	16.72
16-26S	49.53	41.28	50.93	41.67	33.60	28.23
18-11P	38.38	31.99	40.50	34.03	18.53	15.58
18-11S	44.10	36.75	46.91	38.38	24.06	20.22
18-32P	44.30	36.92	46.96	39.46	24.05	20.21
18-32S	58.43	48.70	62.76	51.33	38.80	32.60
20-16P	45.81	38.18	49.74	40.72	25.22	21.19
20-16S	53.28	44.40	57.83	47.30	32.54	27.35
20-39P	62.26	50.94	65.21	53.35	33.40	28.08
20-39S	75.44	61.72	76.60	63.08	45.66	38.37
20-41P	55.06	45.70	58.71	48.05	33.02	27.75
20-41S	69.90	57.20	70.40	58.16	46.30	38.90
22-21P	52.38	42.85	53.38	43.67	29.00	24.38
22-21S	64.77	53.00	65.26	53.41	40.02	33.63
22-55P	64.07	52.41	65.51	53.59	42.54	35.75
22-55S	83.52	68.33	83.95	69.85	57.78	48.56
24-61P	76.84	62.88	74.87	61.25	46.36	38.07
24-61S	97.17	79.51	95.04	77.75	64.03	53.81

*Does not have strain relief and isn't threaded for a strain relief.

Strain Relief Cable Clamps



Class A



Class E

Can be purchased with the connector assembly.

For Class A Connectors

Stock No.	Mfr.'s Type	Connector Size	EACH	
			1-9	10-24
521-0970	10-101980-083	8	10.68	8.98
521-0972	10-101980-103	10	11.18	9.39
521-0974	10-101980-123	12	8.35	7.02
521-0976	10-101980-143	14	8.83	7.42
521-0978	10-101980-163	16	11.59	9.74
521-0980	10-101980-183	18	14.43	12.12
521-0982	10-101980-203	20	13.04	10.96
521-0984	10-101980-223	22	14.62	12.29
521-0986	10-101980-243	24	19.20	13.82

For Class E Connectors

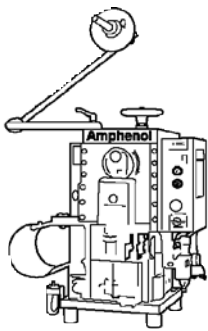
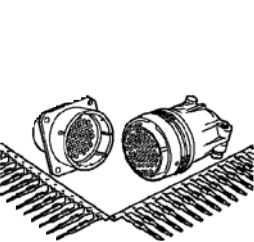
Stock No.	Mfr.'s Type	Connector Size	EACH	
			1-9	10-24
521-0950	10-101971-083	8	8.74	7.34
521-0952	10-101971-103	10	9.72	8.17
521-0954	10-101971-123	12	9.17	7.71
521-0956	10-101971-143	14	9.82	8.25
521-0958	10-101971-163	16	10.52	8.84
521-0960	10-101971-183	18	14.90	10.72
521-0962	10-101971-203	20	12.37	10.39
521-0964	10-101971-223	22	13.09	11.01
521-0966	10-101971-243	24	19.85	16.69

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— NEW —



Varicrimp 2000 Press with Stripper and Crimper