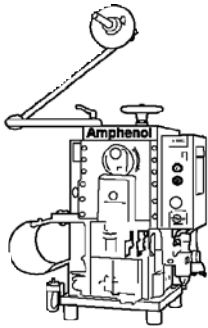
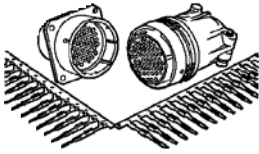


Miniature Cylindrical Connectors

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).



Varicrimp 2000 Press with Stripper and Crimper

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  | AIPT02A14-19S | 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 contacts .....PER 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

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

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

714-3910. 10-567448-272. Reeled socket contacts .....PER REEL/7000 729.74  
714-3927. M81969/14-10. Plastic removal tool for pin contacts .....EACH 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

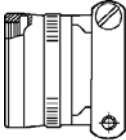
| Shell Size and Contacts | Straight |       |
|-------------------------|----------|-------|
|                         | MS3116F  |       |
|                         | EACH     |       |
|                         | 1-9      | 10-24 |
| 8-2S                    | 21.72    | 18.26 |
| 8-2P                    | 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)

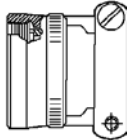
| Shell Size and Contacts | Wall Mounting |       | Cable Connecting |       | Box Mounting |       |
|-------------------------|---------------|-------|------------------|-------|--------------|-------|
|                         | MS3110F       |       | MS3111F          |       | MS3112E*     |       |
|                         | 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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