

AMPHENOL Miniature Cylindrical Connectors

PT SERIES SOLDER TYPE (MIL-DTL-26482, SERIES 1)

Amphenol Miniature Cylindrical connectors offer twice the number of contacts in just half the size of a standard connector. The PT series offers quick positive three point bayonet lock coupling. A complete connector assembly consists of a shell with an installed insert. **All connectors shipped fully assembled, labeled and individually packaged.**

Features:

- Medium size, widely used cylindrical connector
- Corrosion resistant cadmium plate with an olive drab chromate finish
- Five key/keyway polarization
- Quick positive three point bayonet lock coupling
- Audible, tactile and visual indication of full coupling
- Suitable for wide temperature range
- Spring tension provided by a wave washer ensures maintenance of interfacial seal between mating halves
- Resilient neoprene insert and main joint gasket provides excellent moisture sealing and superior electrical contact isolation
- Some styles available in RoHS Compliant versions

Specifications:

- Temperature range: -65°C to +257°C
- Current rating: 7.5 Amps to 23 Amps

Materials:

- Shells: High grade aluminum alloy, with a conductive cadmium plate finish and an olive drab chromate after treatment. *RoHS available
- Inserts: Black resilient neoprene
- Contacts: Gold plated copper alloy. Socket contacts are a closed entry design.

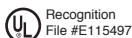
Quick selection guide for the standard Amphenol PT series.

- 1. How many wires are you going to connect and what gauge?**
Use the insert arrangement table on the following page for selecting insert configuration.
- 2. What kind of receptacle shell do you need? The plug only mates with receptacles.**
Box Mount: PT02, Jam Nut: PT07, Wall Mount: PT00
- 3. Which connector shell gets the socket insert? The receptacle or the plug shell?**
Either pin or socket inserts can be used with plug or receptacle shells. The rule of thumb is use the socket insert for the connector on the "hot" side of circuit.

PT Service Classes:

- A** General Duty; back shell is threaded for conduit attachment of MS3057 cable clamp
- A (SR)** General Duty; with strain relief clamp for cable or wire bundle support
- E** Environmental resistant connectors - supplied with a multi-holed grommet and clamping nut for moisture-proofing individual open wires
- E (SR)** Environmental resistant strain relief clamp and grommet for moisture proofing individual wires; provides added wire bundle support

†T02 Shells do not have a threaded back shell



PT02 Box Mount Receptacle

DIMENSIONS: in.

Shell Size	R	S	A +.001 -.005	K +.020 -.010	L Max.	M +.010 -.000	N Dia. Max.	Z Max.
8	.594	.812	.473	.493	.825	.431	.449	.465
10	.719	.938	.590	.493	.825	.431	.573	.465
12	.812	1.031	.750	.493	.825	.431	.699	.465
14	.906	1.125	.875	.493	.825	.431	.823	.465
16	.969	1.219	1.000	.493	.825	.431	.949	.465
18	1.062	1.312	1.125	.493	.825	.431	1.073	.465
20	1.156	1.438	1.250	.650	1.076	.556	1.199	.526
22	1.250	1.562	1.375	.650	1.076	.556	1.323	.526
24	1.375	1.688	1.500	.683	1.109	.589	1.449	.493

PT07 Jam Nut Receptacle

DIMENSIONS: in.

Shell Size	H ±.016	S	A +.001 -.005	J Flat +.000 -.010	K +.011 -.010	M	Z	P Panel Thickness	
								Min.	Max.
8	.750	.938	.473	.530	.125	.696	.231	.062	.125
10	.875	1.062	.590	.655	.125	.696	.231	.062	.125
12	1.062	1.250	.750	.818	.125	.696	.231	.062	.125
14	1.188	1.375	.875	.942	.125	.696	.231	.062	.125
16	1.312	1.500	1.000	1.066	.125	.696	.231	.062	.125
18	1.438	1.625	1.125	1.191	.125	.696	.231	.062	.125
20	1.562	1.812	1.250	1.316	.156	.884	.261	.062	.250
22	1.688	1.938	1.375	1.441	.156	.884	.261	.062	.250
24	1.816	2.062	1.500	1.566	.156	.917	.228	.062	.250

PT00 Wall Mount Receptacle

General Duty Supplied with PT00A
Environmental Supplied with PT00E

PT 4x- ø.120±.005
(ø.147±.005, size 24)

DIMENSIONS: in.

Shell Size	R	S	A +.001 -.005	K +.020 -.010	L1 Max.	L2 A Class	L3 E Class	M +.010 -.000	Z Max.	Q Thread	V Thread
8	.594	.812	.473	.493	.825	1.553	1.266	.431	.468	.4375-28	.5000-28
10	.719	.938	.590	.493	.825	1.553	1.266	.431	.468	.5625-24	.6250-24
12	.812	1.031	.750	.493	.825	1.553	1.266	.431	.468	.6875-24	.7500-20
14	.906	1.125	.875	.493	.825	1.553	1.266	.431	.468	.8125-20	.8750-20
16	.969	1.219	1.000	.493	.825	1.553	1.266	.431	.468	.9375-20	1.0000-20
18	1.062	1.312	1.125	.493	.825	1.553	1.266	.431	.531	1.0625-18	1.1875-18
20	1.156	1.438	1.250	.650	1.076	1.703	1.516	.556	.531	1.1875-18	1.1875-18
22	1.250	1.562	1.375	.650	1.076	1.703	1.516	.556	.531	1.3125-18	1.4375-18
24	1.375	1.688	1.500	.683	1.076	1.765	1.578	.589	.498	1.4375-18	1.4375-18

PT06-SR Straight Plug with Strain Relief

.640±.045 pin contacts
.579±.045 socket contacts

DIMENSIONS: in.

Shell Size	S Max.	L	N Max.	D Min.	G	H Max.
8	.750	1.906	.906	.240	.125	.812
10	.859	1.906	.906	.302	.188	.875
12	1.013	1.906	.906	.428	.312	1.000
14	1.156	1.906	.906	.552	.375	1.125
16	1.281	2.047	.906	.615	.500	1.188
18	1.319	2.078	.906	.740	.625	1.438
20	1.531	2.250	1.062	.740	.625	1.438
22	1.656	2.250	1.062	.928	.750	1.625
24	1.776	2.312	1.062	.990	.800	1.750