



## LPT Connector Series

The new LPT Series from Amphenol Industrial Operations (AIO) is based on the MIL-C-26482 Series I. Amphenol's original PT Series is a cost effective metal bayonet connector versed in all major global signal application markets.

The LPT Series is an evolution of AIO's well-known PT connector, with the same 26482 Series I industry standard mating compatibility, ability to accept wire gauges from 22AWG/0.34mm<sup>2</sup> to 12AWG/3.5mm<sup>2</sup>, and an IP67 rating. Available in several styles, with varying design characteristics and custom options to meet cost considerations and provide maximum design flexibility.

The LPT Series is the ideal choice for signal applications and industrial installations around the world.

### Features:

- Aluminum shell, light and reliable
- Multiple shell plating options, including Gray ZnNi which is effective up to 500 hours of salt spray
- Standard PT shell and coupling nut, intermateable with PT Series
- 3-tine Stamped & Formed crimp contacts
- Accepts wire gauges from 22AWG/0.34mm<sup>2</sup> to 12AWG/3.5mm<sup>2</sup>
- Quick positive bayonet coupling and 5 key/keyway mating
- High Shock and High Vibration capabilities
- IP67 Rating (mated)
- 500 mating cycles
- UL94 V-0 (Self-Extinguishing)
- Wide Operating Temperature Range (-40°C to 125°C)

## Specifications:

### Electrical Characteristics

- 5 milliohms max
- Accepts wire gauges from 22AWG/0.34mm<sup>2</sup> to 12AWG/3.5mm<sup>2</sup>

|                                  |                  |                 |                 |
|----------------------------------|------------------|-----------------|-----------------|
| Test Current                     | 20# contact 7.5A | 16# contact 13A | 12# contact 23A |
| Recommended operating AC voltage | I# 250V          | II# 500V        |                 |
| Test voltage AC, 60 Hz           | I# 1500V         | II# 2300V       |                 |

### Mechanical Characteristics

- Standard PT shell and coupling nut, intermateable with PT Series
- Accepts wire gauges from 22AWG/0.34mm<sup>2</sup> to 12AWG/3.5mm<sup>2</sup>
- Quick positive bayonet coupling
- 5 key/keyway mating
- Wide Operating Temperature Range (-40°C to 125°C)
- UL94 V-0 (Self-Extinguishing)

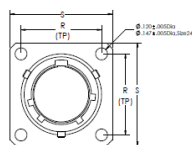


### Environmental Protection

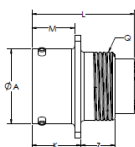
- IP67 rating (mated)

\*Contacts sold separately. Please refer to LPT catalog (IC-7)

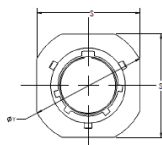
| How to Order |                           |                             |            |                      |           |                 |                                    |                           |               |
|--------------|---------------------------|-----------------------------|------------|----------------------|-----------|-----------------|------------------------------------|---------------------------|---------------|
| 1            | 2                         | 3                           | 4          | 5                    | 6         | 7               | 8                                  | 9                         | 10            |
| LPT          | 06                        | SE                          | 12-        | 10                   | S         | W               | (023)                              | (EMI)                     | (LC)          |
| Product Line | Shell Style               | Service Classes             | Shell Size | Insert Arrangement   | Gender    | Insert Rotation | Shell Plating                      | Variations                |               |
| LPT          | 00: Wall Mount Receptacle | A: General Duty             | 8          | 4                    | P: Pin    | W               | (023): Nickel                      | (SR): Strain relief clamp | Less contacts |
|              | 01: Inline Receptacle     | SE: Open Wire Sealing       | 10         | 2,5,6                | S: Socket | X               | (027): Black Zinc (conductive)     | Based on application      |               |
|              | 02: Box Mount Receptacle  | G: Heat shrink boot adapter | 12         | 3,4,8,10             |           | Y               | (025): Black Zinc (non-conductive) |                           |               |
|              | 07: Jam Nut Receptacle    | SE(SR): Strain relief clamp | 14         | 4,5,8,12,15,19,22,AA |           | Z               | (072): Gray ZINi                   |                           |               |
|              | 06: Straight Plug         | PG: Cable gland             | 16         | 8,26                 |           |                 | (005B): Black Anodized             |                           |               |
|              |                           |                             | 18         | 5,                   |           |                 |                                    |                           |               |
|              |                           |                             | 20         | 16,41                |           |                 |                                    |                           |               |
|              |                           |                             | 22         | 25,36,55             |           |                 |                                    |                           |               |
|              |                           |                             | 24         | 31,61                |           |                 |                                    |                           |               |



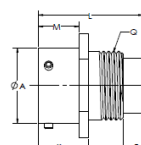
00: Wall Mount Receptacle



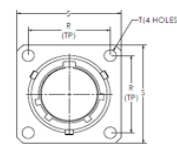
01: Inline Receptacle



02: Box Mount Receptacle



07: Jam Nut Receptacle



06: Straight Plug

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