BAYONET COUPLING

**PLUG (WT. 46 GMS.)**
Patent Pending

**MOUNTING HOLE (JAM NUT)**

**PANEL CONNECTOR (WT. 26 GMS.)**
(BOX FLANGE)

**PANEL CONNECTOR (WT. 29 GMS.)**
(NO POTTING REQ'D.) (BOX FLANGE)

**PANEL CONNECTOR (WT. 27 GMS.)**
(JAM NUT)

**PANEL CONNECTOR (WT. 30 GMS.)**
(POTTING REQ'D.) (JAM NUT)

CABLE LENGTH

**THREADED COUPLING**

**PLUG (WT. 42 GMS.)**
Patent Pending

**MOUNTING HOLE (BOX FLANGE)**

**PANEL CONNECTOR (WT. 37 GMS.)**
(BOX FLANGE)

**PANEL CONNECTOR (WT. 40 GMS.)**
(NO POTTING REQ'D.) (BOX FLANGE)

SERIES 1804

- BAYONET SHIELDED (SHOWN) P/N 167-9704
- BAYONET NON-SHIELDED P/N 167-9701
- THREADED SHIELDED (SHOWN) P/N 167-9702
- THREADED NON-SHIELDED P/N 167-9703
- BAYONET JAM NUT P/N 167-8819

SERIES 1807

- BAYONET SHIELDED (SHOWN) P/N 167-9708
- BAYONET NON-SHIELDED P/N 167-9709
- THREADED SHIELDED (SHOWN) P/N 167-9691
- THREADED NON-SHIELDED P/N 167-9693
- BAYONET JAM NUT P/N 167-8666

4 PIN

- PLUG P/N 167-9704
- PANEL CONN. P/N 167-9707
- PANEL CONN. (NO POTTING REQ'D) P/N 167-9500

7 PIN

- PLUG P/N 167-9708
- PANEL CONN. P/N 167-9712
- PANEL CONN. (NO POTTING REQ'D) P/N 167-9692

*Patent 3,994,563
1804/1807 SERIES (CON'T.)

BODY AND COUPLING NUT  Aluminum alloy per QQ-A-225, electroless nickel plated per MIL-C-26047.
CONTACT, MALE .060 Dia. Brass per QQ-B-628, gold plated per MIL-G-45204.
CONTACT, FEMALE  Beryllium copper per QQ-C-530, gold plated per MIL-G-45204.
INSULATORS  Plug, silicone rubber per ZZ-R-765, class Panel connector, Dialyl Oxythlate.

PRESSURE  Panel connector will pass helium leak test at one atmosphere differential pressure, leakage not to exceed \(1 \times 10^6\) cc/sec. Hg. (Jamb nut version only)

TEST VOLTAGE  22.5 KVDC between pins and between pin and body (mated condition) at 70,000 ft. simulated altitude.

OPERATING VOLTAGE  15 KVDC (mated) at any altitude.

MAX OPERATING CURRENT (RMS)  7.5 amps.

INSULATION RESISTANCE  5 \(\times 10^3\) megohms minimum.

### CABLE ASSEMBLIES SERIES 1804/1807

#### BAYONET COUPLING

**DOUBLE ENDED PLUG ASSEMBLY**

- 4 PIN SHIELDED (SHOWN)  P/N 167-9713
- 4 PIN NON-SHIELDED  P/N 167-9714
- 7 PIN SHIELDED (SHOWN)  P/N 167-9715
- 7 PIN NON-SHIELDED  P/N 167-9716

**SINGLE ENDED PLUG ASSEMBLY**

- 4 PIN SHIELDED (SHOWN)  P/N 167-9717
- 4 PIN NON-SHIELDED  P/N 167-9688
- 7 PIN SHIELDED (SHOWN)  P/N 167-9718
- 7 PIN NON-SHIELDED  P/N 167-9719

#### THREADED COUPLING

**DOUBLE ENDED PLUG ASSEMBLY**

- 4 PIN SHIELDED (SHOWN)  P/N 167-9720
- 4 PIN NON-SHIELDED  P/N 167-9721
- 7 PIN SHIELDED (SHOWN)  P/N 167-9722
- 7 PIN NON-SHIELDED  P/N 167-9723

**SINGLE ENDED PLUG ASSEMBLY**

- 4 PIN SHIELDED (SHOWN)  P/N 167-9724
- 4 PIN NON-SHIELDED  P/N 167-9725
- 7 PIN SHIELDED (SHOWN)  P/N 167-9726
- 7 PIN NON-SHIELDED  P/N 167-9727

**CABLE ASSEMBLY LENGTH**

**CABLE TYPE**  Individual shield .080 Dia. "L" cable P/N 167-9346. (Non-shielded) .080 Dia. FEP core each, P/N 167-9192.

**100% PRODUCTION TEST**  22.5 KVDC between pins and between pin and body (mated) at 70,000 ft. simulated altitude.

**CABLE ASSEMBLY ORDERING INFORMATION**

**EXAMPLE:** 167-9724-10F-8N

**Cable Assembly Length:**  10 feet, 8 inches

**EXAMPLE:** 167-9724-18N

**Cable Assembly Length:**  18 inches

**OPERATING VOLTAGE**  15 KVDC at any altitude (mated).

**MAX OPERATING CURRENT** (RMS)  7.5 amps.

**SPECIAL ORDERS AND CUSTOM DESIGNED CONNECTORS**

We welcome the opportunity to modify our connectors to fit your specific application. We also solicit the opportunity to submit design proposals based on your performance requirements and engineering specifications.