The PHOENIX Company of Chicago

**SPECIFICATIONS:**

1) **MATERIALS:**
   - INSERT: VALOX, TYPE GPT-30F, PER MIL-M-24519
   - SHELL: COLD ROLLED STEEL, PER ASTM A568 AND ASTM A620

2) **FINISHES AND COLOR:**
   - INSERT: BLACK
   - SHELL: TIN, CLASS FE/SN8, (.0003000), PER ASTM B545

3) **ELECTRICAL PROPERTIES:**
   - DIELECTRIC STRENGTH: 500 TO 1,000 VOLTS RMS AT SEAL LEVEL;
   - 200 TO 325 VOLTS RMS AT 70,000 FEET
   - INSULATION RESISTANCE: 1 MEGOHM MINIMUM

4) **MECHANICAL PROPERTIES:**
   - OPERATING TEMPERATURE: -67°F TO +257°F (-55°C TO +125°C)
   - SHOCK RESISTANCE: NO INTERRUPTION OF ELECTRICAL CONTINUITY LONGER THAN 1 MICROSECOND.
   - VIBRATION RESISTANCE: NO INTERRUPTION OF ELECTRICAL CONTINUITY LONGER THAN 1 MICROSECOND.

5) **DIMENSIONS ARE FOR REFERENCE ONLY, UNLESS OTHERWISE SPECIFIED.**

6) **CONNECTOR MEETS REQUIREMENTS OF MIL-C-24308, LATEST REVISION.**

7) **ABOVE REQUIREMENTS DO NOT INCLUDE PDM OR PKZ CONTACTS, PLEASE REFER TO INDIVIDUAL SPECIFICATIONS SHEETS.**

8) **ALL MATERIALS AND FINISHES ARE ROHS COMPLIANT.**

**REVISIONS**

- **REV.**
- **DESCRIPTION**
- **DATE**
- **APPROVED**

**APPLICATIONS**

- **DESCRIPTION**
- **DATE**
- **APPROVED**

**FILE NAME:** PTRP16W163C.idw

**WARNING - THIS DOCUMENT CONTAINS TECHNICAL DATA WHOSE EXPORT IS RESTRICTED BY THE ARMS EXPORT CONTROL ACT (TITLE 22 U.S.C. SEC 2751 ET. SEQ.) OR THE EXPORT ADMINISTRATION ACT OF 1979, AS AMENDED. EXPLOITATION OF THE INFORMATION DISCLOSED IN THIS DOCUMENT IS CONFIDENTIAL AND MAY NOT BE USED FOR MANUFACTURE OR ANY OTHER PURPOSE WITHOUT THE WRITTEN CONSENT OF PHOENIX CO. INC. VIOLATIONS OF THESE EXPORT LAWS ARE SUBJECT TO SEVERE CRIMINAL PENALTIES. DISSEMINATE IN ACCORDANCE WITH PROVISIONS OF DOD DIRECTIVE 5220.25.**