



#### NOTES:

1. LEAK TEST: 650 PSI, NO N2 BUBBLES 1 MINUTE MINIMUM. A GREEN PAINT DOT ON THE HOUSING FLANGE INDICATES THE PART HAS PASSED THE TEST. PAVE-Seal IS A BI-DIRECTIONAL HERMETIC SEAL FOR VACUUM AND 650 PSI PRESSURE USING A SMALLEY WSM-75 OR EQUAL RETAINING RING INSTALLED IN ONE OR BOTH OF THE NOTED HOUSING GROOVES, RETAINING RING(S) NOT INCLUDED.
2. HYPOT 630 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM WIRE TO WIRE & SALT WATER, WITH ITEM 1 (HOUSING) COMPLETELY SUBMERGED IN THE SALT WATER, USING A MATING CONNECTOR.
3. CONTINUITY TEST MATING CONNECTOR TO WIRE ENDS <0.5 OHM .
4. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
5. ALL PARTS MUST PASS ALL TESTS.
6. WIRE EXIT POSITIONING IS APPROXIMATE & VARIABLE.
7. COSMETIC SURFACE VOIDS NOT ON O-RING SEALING SURFACES ARE ACCEPTABLE BASED ON THE SEAL'S DIAMETER:  
 <= .5 [12.7] SEAL DIAMETER: Ø.035 [.89] MAX ALLOWED VOID SIZE  
 > .5 [12.7] SEAL DIAMETER: Ø.060 [1.5] MAX ALLOWED VOID SIZE
8. REF-OPERATING TEMPERATURE RANGE -20 °C TO 80 °C.
9. DIMENSIONS ARE INCHES [millimeters].

| 14   | A/R | URETHANE      | URETHANE BLACK  |
|------|-----|---------------|---|
| 13   | A/R | PARKER O-LUBE | LUBRICANT O-RING BARIUM-BASED                           |
| 12   | 2   | -016 VITON    | O-RING -016 VITON 75                                    |
| 11   | 1   | HYT24 BRN/WHT | WIRE 24 AWG HYTREL JACKETED                             |
| 10   | 1   | HYT24 ORG/WHT | WIRE 24 AWG HYTREL JACKETED                             |
| 9    | 1   | HYT24 BRN     | WIRE 24 AWG HYTREL JACKETED                             |
| 8    | 1   | HYT24 ORG     | WIRE 24 AWG HYTREL JACKETED                             |
| 7    | 1   | HYT24 RED/WHT | WIRE 24 AWG HYTREL JACKETED                             |
| 6    | 1   | HYT24 BLK/WHT | WIRE 24 AWG HYTREL JACKETED                             |
| 5    | 1   | HYT24 RED     | WIRE 24 AWG HYTREL JACKETED                             |
| 4    | 1   | HYT24 BLK     | WIRE 24 AWG HYTREL JACKETED                             |
| 3    | 1   | MCIL8M        | 8 PIN BIRNS AQUAMATE INLINE SUBSEA CABLE 20AWG NEOPRENE |
| 2    | A/R | PAVE-Seal 150 | EPOXY BLACK   |
| 1    | 1   | 5636          | HOUSING SPF12XXL-AL 6061-T6 ANODIZED (TYPE II, BLACK)   |
| ITEM | QTY | PART NUMBER   | DESCRIPTION   |

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|---|--|
| DESCRIPTION<br>SPF12XXL-AL-150-8-HYT24-24-22T |  |
| PART NUMBER<br><b>5635</b>                    | MATERIAL NOTED<br>REVISION LEVEL B<br>PROJECTION |

ALL DIMENSIONS AND TOLERANCES APPLY TO FINISHED PART IN INCHES.  
 ALLOWABLE TOLERANCES UNLESS SPECIFIED OTHERWISE: NONE ±0.5  
 X.X DECIMAL ±0.1 X.XX DECIMAL ±0.02 X.XXX DECIMAL ±0.005  
 ANGLES ±1 DEGREE SURFACE FINISH 128 microinch RMS