NOTES:
1. LEAK TEST: 80 PSI, NO BUBBLES 3 MINUTES MINIMUM. A GREEN PAINT DOT INDICATES THE PART HAS PASSED THE TEST.
2. HYPOT 630 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM WIRE TO WIRE WITH MATING CONNECTORS.
3. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
4. ALL PARTS MUST PASS ALL TESTS.
5. WIRE POSITIONING IS APPROXIMATE & VARIABLE.
6. COSMETIC SURFACE VOIDS NOT ON O-RING SEALING SURFACES ARE ACCEPTABLE BASED ON THE SEALS DIAMETER:
   <= .5 [12.7] SEAL DIAMETER: φ 0.035 [.89] MAX ALLOWED VOID SIZE
   > .5 [12.7] SEAL DIAMETER: φ 0.060 [1.5] MAX ALLOWED VOID SIZE
7. DIMENSION IS OVER-ALL-LENGTH EXCLUDING OVERFILL ON PRESSURE SIDE OF HOUSING.
8. REF-OPERATING TEMPERATURE -40°C TO 80°C.
9. REF-PARTS ARE DEFLASHED ON PARTING LINE +0.005 [0.13] MAXIMUM.
10. DIMENSIONS ARE INCHES [millimeters].
11. PAVE-SEAL CAN BE A BI-DIRECTIONAL, HERMETIC SEAL FOR VACUUM AND MOST PRESSURES. FOR PRESSURES ABOVE 150 PSI (10 BAR), CHECK WITH SALES ENGINEERING.

ITEM QTY PART NUMBER DESCRIPTION
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5 A/R PARKER O-LUBE LUBRICANT O-RING BARIUM-BASED
4 1 VM128-75 O-RING -016 VITON LOW-TEMP 75
3 1 RR-PROTO-7283 CABLE USB 3.0 HIGH FLEX SHIELDED PVC JACKET UP ANGLE MICRO-B MALE SCREW-Lock CONNECTOR TO TYPE A MALE CONNECTOR 69" OAL
2 A/R PAVE-Seal 150 EPOXY BLACK
1 1 4603 HOUSING SP12-E

5144 NOTED

ALL DIMENSIONS AND TOLERANCES APPLY TO FINISHED PART IN INCHES. ALLOWABLE TOLERANCES UNLESS OTHERWISE NOTED: ALL TOLERANCES TO BE INTERPRETED AS ± unilateral. 

SP12 INSTALLATION PORT

RECOMMENDED RETAINING RING
SMALLEY VH-81 OR EQUAL