



NOTES:

1. LEAK TEST: 1500 PSI, NO BUBBLES 30 SECONDS MINIMUM.
2. HYPOT 630 VDC 500 MEGHMS MINIMUM 0.01 SECOND MINIMUM PIN TO PIN.
3. CONTINUITY TEST: <.1 OHMS WIRE END TO MATING CONNECTOR.
4. CONTINUITY TEST FIBER OPTIC USING RED LASER.
5. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
6. PERCENTAGE OF PARTS TESTED WILL BE 100% (MAY BE A LESSER PERCENTAGE FOR LARGE PRODUCTION QUANTITIES, UNLESS OTHERWISE NOTED OR REQUIRED).
6. NO VOIDS ARE ACCEPTABLE ON O-RING SEALING SURFACES, VOIDS SMALLER THAN ϕ 0.035 ARE ACCEPTABLE ON ALL OTHER SURFACES.
7. DIMENSION IS OVER-ALL-LENGTH EXCLUDING OVERFILL ON ATMOSPHERE SIDE OF HOUSING.
8. REF-OPERATING TEMPERATURE -20 °C TO 70 °C.
9. RETAINING RING GROOVE DESIGNED FOR SMALLEY VS-75.

| TABLE | | | |
|----------|-------------|-----------------|-----------------------------------|
| POSITION | USE | ITEM # | DESCRIPTION |
| 6 | HIGH | E20 ORG | WIRE 20E MIL-W-16878/4 .010 7/#29 |
| 7 | FIBER OPTIC | M29504/14-4131C | DELPHI TERMINI FO CABLE |
| 10 | RETURN | E20 BLACK | WIRE 20E MIL-W-16878/4 .010 7/#29 |

| 6 | A/R | SUPER O-LUBE | O-RING LUBRICANT SILICONE BASED |
|------|-----------|----------------|----------------------------------|
| 5 | 2 | -114 NITRILE | O-RING -114 NITRILE 75 |
| 4 | 1 | 456024-051F10S | FO 62.5/125 MULTIMODE TERMINI/ST |
| 3 | 2 | M39029/4-111 | PIN 16 AWG |
| 2 | A/R | PAVE-SEAL 150 | EPOXY BLACK |
| 1 | SEE TABLE | SEE TABLE | SEE TABLE |
| ITEM | QTY | PART NUMBER | DESCRIPTION |

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

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DESCRIPTION
SP13-E-150-2/1-E20/FO-#16P-36

PART NUMBER
2947

REVISION LEVEL
C

PROJECTION