NOTES:
1. HE LEAK TEST @ 1 ATM 1X10^-6 CC/SEC OR LESS. A GREEN PAINT DOT ON THE ATMOSPHERE SIDE INDICATES PART HAS PASSED THE TEST. TEST CERTIFICATIONS FOR LOWER HELIUM LEAK RATES DOWN TO 10^-10 CC/SEC RATE MAY BE AVAILABLE BY CONTACTING PAVE SALES ENGINEERING PRIOR TO ORDERING.
2. HYPOST 630 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM CONDUCTOR TO CONDUCTOR AND CONNECTOR FLANGES WITH MATING CONNECTORS. CONTINUITY TEST <0.5 Ohms MATING CONNECTOR TO MATING CONNECTOR. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
3. ALL PARTS MUST PASS ALL TESTS.
4. COSMETIC SURFACE VOIDS NOT ON O-RING SEALING SURFACES ARE ACCEPTABLE BASED ON THE SEAL'S DIAMETER:
   a. <= .5 [12.7] SEAL DIAMETER: 0.035 [0.89] MAX ALLOWED VOID SIZE
   b. > .5 [12.7] SEAL DIAMETER: 0.060 [1.5] MAX ALLOWED VOID SIZE
5. REF-OPERATING TEMPERATURE RANGE SEE TABLE.
6. DIMENSIONS ARE INCHES [millimeters].
7. ALCOHOL OR FOMBLIN YVAC 3 MAY BE USED TO LUBRICATE O-RINGS FOR VACUUM HELIUM LEAK TESTING.
10. 5171-R IS REVERSED WITH SOCKETS ON ATMOSPHERE SIDE AND PINS ON THE VACUUM SIDE.

ITEM QTY PART NUMBER DESCRIPTION
7 1 4094 PLATE TOP SS DSUB 37 PIN
6 1 SEE TABLE SEE TABLE
4 1 YARDLEY #440A5-8 THREADED INSERT SS
3 A/R PAVE-Seal 150 EPOXY BLACK
2 1 180-062-103L001 PLUG D-SUB 62 PIN PBT INSULATOR, NICKEL PLATED STEEL SHELL, GOLD PLATED BRASS PINS
1 1 180-062-203L001 RCPT D-SUB 62 SOCKET PBT INSULATOR, NICKEL PLATED STEEL SHELL, GOLD PLATED BRASS SOCKETS