



9	E20 WHITE	18	E20 BROWN		
8	E20 VIOLET	17	E20 BLUE		
7	E20 ORG	16	E20 BLACK	25	E20 GREEN
6	E20 WHITE	15	E20 ORG	24	E20 BLUE
5	E20 GRAY	14	E20 YLW/WHT	23	E20 GRAY
4	E20 VIOLET	13	E20 YELLOW	22	E20 ORG
3	E20 BLACK	12	E20 BLUE	21	E20 BLACK
2	E20 WHITE	11	E20 GRAY	20	E20 BROWN
1	E20 YLW/WHT	10	E20 VIOLET	19	E20 YELLOW
PIN	PART#	PIN	PART#	PIN	PART#

16	1	AMP #745187-1	CONN DSUB 25S FEMALE -OR EQUIVALENT-
15	2	E20 YELLOW	WIRE 20E MIL-W-16878/4 .01 7/#28
14	2	E20 BROWN	WIRE 20E MIL-W-16878/4 .01 7/#28
13	3	E20 ORG	WIRE 20E MIL-W-16878/4 .01 7/#28
12	1	E20 GREEN	WIRE 20E MIL-W-16878/4 .01 7/#28
11	3	E20 BLUE	WIRE 20E MIL-W-16878/4 .01 7/#28
10	3	E20 GRAY	WIRE 20E MIL-W-16878/4 .01 7/#28
9	3	E20 VIOLET	WIRE 20E MIL-W-16878/4 .01 7/#28
8	3	E20 WHITE	WIRE 20E MIL-W-16878/4 .01 7/#28
7	3	E20 BLACK	WIRE 20E MIL-W-16878/4 .01 7/#28
6	2	E20 YLW/WHT	WIRE 20E MIL-W-16878/4 .01 7/#28
5	2	JACKPOST 4-40	"P" STYLE 4-40 UNC
4	1	-026 VITON	O-RING -026 VITON 75
3	A/R	PAVE-Seal 150	EPOXY BLACK
2	1	3526	PLATE TOP SS D-SUB 25
1	1	4007-25	PLUG D-SUB 25 PIN
ITEM	QTY	PART NUMBER	DESCRIPTION

- NOTES:
1. HE LEAK TEST VACUUM  $10 \times 10^{-7}$  CC/SEC OR LESS.
  2. HYPOT 630 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM WIRE TO WIRE AND HOUSING.
  3. CONTINUITY TEST PER TABLE <60 MILLIOhms MATING CONNECTOR TO WIRE END.
  4. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
  5. ALL PARTS MUST PASS ALL TESTS.
  6. WIRE POSITIONING IS APPROXIMATE & VARIABLE.
  7. NO VOIDS ARE ACCEPTABLE ON O-RING SEALING SURFACES, VOIDS SMALLER THAN  $\phi 0.035$  ARE ACCEPTABLE ON ALL OTHER SURFACES.
  8. DIMENSION IS OVER-ALL-LENGTH EXCLUDING OVERFILL ON PRESSURE SIDE OF HOUSING.
  9. REF-OPERATING TEMPERATURE  $-30^{\circ}\text{C}$  TO  $125^{\circ}\text{C}$ .
  10. DIMENSIONS ARE INCHES[MILLIMETERS]
  11. ITEM 16 (NOT SHOWN), TO BE SHIPPED WITH PART.

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  
 SP44/13-E-150-25-TE20-DSUB25-24

PART NUMBER  
**3527**

MATERIAL NOTED

REVISION LEVEL  
 D

PROJECTION