



**NOTES:**

1. HE LEAK TEST @ 1ATM 1X10<sup>-6</sup> CC/SEC OR LESS. REF-LEAK TEST IS PERFORMED USING A 2-321 O-RING. A GREEN PAINT DOT ON THE ATMOSPHERE SIDE INDICATES THE PART HAS PASSED THE TEST.
2. ALCOHOL OR FOMBLIN YVAC 3 MAY BE USED TO LUBRICATE O-RINGS FOR VACUUM HELIUM LEAK TESTING.
3. HYPOT 630 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM WIRE TO WIRE AND HOUSING WITH MATING CONNECTORS.
4. CONTINUITY TEST <1.0 OHM END TO END WITH MATING CONNECTORS.
5. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
6. ALL PARTS MUST PASS ALL TESTS.
7. WIRE POSITIONING IS APPROXIMATE & VARIABLE.
8. COSMETIC SURFACE VOIDS NOT ON O-RING SEALING SURFACES ARE ACCEPTABLE BASED ON THE SEAL'S DIAMETER:  
 <= .5 [12.7] SEAL DIAMETER:  $\phi$ .035 [.89] MAX ALLOWED VOID SIZE  
 > .5 [12.7] SEAL DIAMETER:  $\phi$ .060 [1.5] MAX ALLOWED VOID SIZE  
 REF-OPERATING TEMPERATURE -20°C TO 85°C.
9. DIMENSIONS ARE INCHES [millimeters].
10. 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.

WIRE (TP=TWISTED PAIR)	CONNECTORS	WIRE	CONNECTORS
BLACK 28AWG (B&W TP)	POSITION 1	BOTH DRAIN WIRES	POSITION 6
WHITE 28AWG (B&W TP)	POSITION 2	ORANGE 28AWG	POSITION 8
BLACK 28AWG (B&R TP)	POSITION 3	GREEN 28AWG	POSITION 9
RED 28AWG (B&R TP)	POSITION 7	WHITE 28AWG	POSITION 10
BLACK 28AWG (B&G TP)	POSITION 4	RED 26AWG	POSITION 11
GREEN 28AWG (B&G TP)	POSITION 5	BLACK 26AWG	POSITION 12

7	12	HR30-SC-111	CONTACT SOCKET 26-30AWG CRIMP LOOSE
6	1	HR30-7P-12SC(71)	PLUG PUSH-PULL 12 POS SOC CRIMP TERMINATION
5	1	HR30-7R-C(71)	DUST CAP HR30-7 RECEPTACLE
4	1	WRC110	CABLE ALPHA 513886 26/28AWG SHIELDED COMPOSITE CABLE 26+28AWG 11 CONDUCTOR WITH SHIELDS
3	1	HR30-7R-12P(31)	RECEPTACLE PUSH-PULL 12 POS PIN SOLDER TERMINATION
2	A/R	PAVE-Seal 150	EPOXY BLACK
1	1	4591-1	HOUSING NW25L-AL
ITEM	QTY	PART NUMBER	DESCRIPTION

PAVE#	X	DYNAMIC SYSTEMS#
4993	116 [2946.4]	CA55006-116
4993-1	96 [2438.4]	CA55006-96

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DESCRIPTION	NW25L-AL-150-9/2-TE28/26-XT-HR30	
PART NUMBER *SEE TABLE	MATERIAL	NOTED
<b>4993*</b>	REVISION LEVEL	B
	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