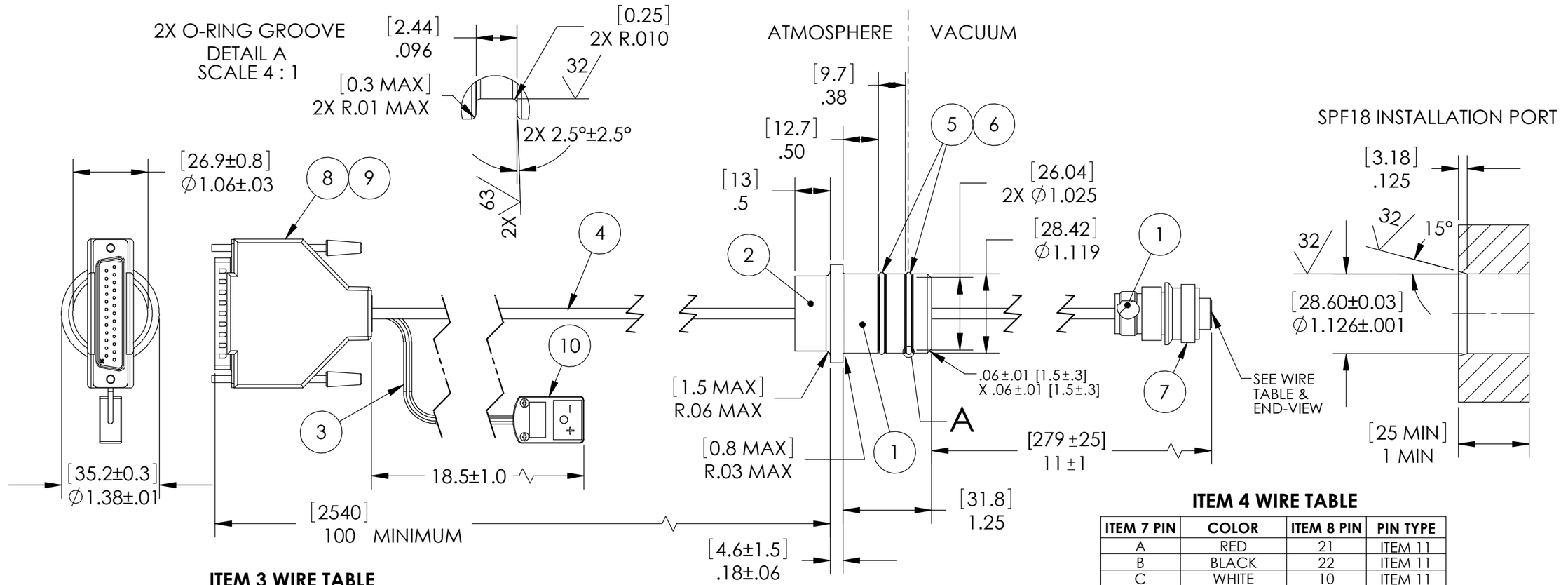
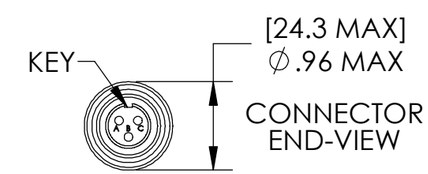


ITEM 4 WIRE TABLE

ITEM 7 PIN	COLOR	ITEM 8 PIN	PIN TYPE
A	RED	21	ITEM 11
B	BLACK	22	ITEM 11
C	WHITE	10	ITEM 11
N/A	SHIELD	9	ITEM 11

ITEM 3 WIRE TABLE

ITEM 10 PIN	COLOR	ITEM 8 PIN	PIN TYPE
POS (+)	WHITE	4	ITEM 13
NEG (-)	RED	5	ITEM 12



NOTES:
1. HE LEAK TEST VACUUM 10X10^-7 CC/SEC OR LESS.
2. HYPOT 1000 VDC 100 MEGOHMS MINIMUM 0.01 SECOND MINIMUM WIRE TO WIRE, SHIELD & THERMOCOUPLE PAIR WITH MATING CONNECTORS.
3. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
4. ALL PARTS MUST PASS ALL TESTS.
5. ITEM 3 WILL CONNECT ITEM 10 TO ITEM 8 PER ITEM 3 WIRE TABLE.
6. ITEM 4 WILL CONNECT ITEM 7 TO ITEM 8 PER ITEM 4 WIRE TABLE. THE SHIELD FROM ITEM 4 WILL BE TERMINATED WITH ITEM 14.
7. WIRES ARE NOT REQUIRED TO BEND SHARPLY AT EPOXY SEAL SURFACE.
8. NO VOIDS ARE ACCEPTABLE ON O-RING SEALING SURFACES, VOIDS SMALLER THAN ∅.035 [.89] ARE ACCEPTABLE ON ALL OTHER SURFACES.
9. REF-OPERATING TEMPERATURE -20°C TO 130°C.
10. DIMENSIONS ARE INCHES [millimeters].

ITEM	QTY	PART NUMBER	DESCRIPTION
14	1	CWT-5-W122-5 SEE NOTE 6	SLEEVE SOLDER TERMINATOR W/ PRE-INSTALLED LEAD RAYCHEM/TYCO
13	1	SMTC-IR-P	CONTACT T/C MALE IRON CRIMP
12	1	SMTC-CO-P	CONTACT T/C MALE CONSTANTAN CRIMP
11	4	SMTC-BR-P	CONTACT T/C MALE GOLD PLATED BRASS CRIMP
10	1	SMPW-J-F	CONNECTOR MINI T/C TYPE J FEMALE
9	1	165X02629XE	BACKSHELL D-SUB 25 PIN
8	1	SMTC-25M	CONNECTOR 25 PIN D-SUB TIN PLATED STEEL SHELL PBT INSULATOR Au PLATED BRASS PINS
7	1	97-3106A10SL-3S	PLUG 3#16 BLUE INSERT AMPHENOL ONLY
6	A/R	KRYTOX 240AC	LUBRICANT O-RING KRYTOX GREASE
5	2	2-022 V0747	O-RING -022 VITON V0747-75 PARKER ONLY
4	1	BELDEN #83334	CABLE 3 #22 TEF BRAIDED SHIELD BELDEN ONLY
3	1	TT-J-20	CABLE T/C TYPE J 20AWG TEFLON OMEGA ONLY
2	A/R	URETHANE	URETHANE BLACK
1	A/R	PAVE-Seal 200	EPOXY BLACK

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

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DESCRIPTION
SPF18-E-200-1-TST22-100-11

PART NUMBER 3830
MATERIAL NOTED
REVISION LEVEL B
PROJECTION