

**NOTES:**

1. LEAK TEST: 80 PSI, NO BUBBLES 2 MINUTES MINIMUM. A GREEN PAINT DOT ON THE ATMOSPHERE SIDE INDICATES THE PART HAS PASSED THE TEST.
2. HYPOT 630 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM PIN TO PIN AND HOUSING WITH MATING PLUG.
3. CONTINUITY TEST: <0.5 OHM PIN TO SOCKET.
4. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
5. ALL PARTS MUST PASS ALL TESTS.
6. 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.
7. 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
8. REF-OPERATING TEMPERATURE RANGE -20°C TO 125°C.
9. DIMENSIONS ARE INCHES [millimeters].
10. 0949 ONLY: DOES NOT INCLUDE ITEMS 5, 6, OR 7 (NO PLUG).  
 0949-1 ONLY: INCLUDES BOTH ITEMS 5 (MATING PLUG) AND 6 (STRAIN RELIEF).  
 0949-2 ONLY: INCLUDES ITEM 7 (RIGHT ANGLE MATING PLUG WITH STRAIN RELIEF INCLUDED).

\*SEE NOTE 10

ITEM	QTY	PART NUMBER	DESCRIPTION
7	1*	SCPT08F10-6S	PLUG 6#20 SOCKET RIGHT ANGLE OLIVE DRAB W/ SR
6	1*	M85049/52-1-10N	STRAIN RELIEF
5	1*	MS3476L10-6S	PLUG 6#20 SOCKET CRIMP SERIES II
4	6	AMP #204351-1	CONTACT #22 SOCKET
3	1	SC3112E10-6P	RCPT 6#20 GOLD PLATED COPPER ALLOY PINS, NEOPRENE INSERT, NICKEL PLATED ALUMINUM SHELL
2	1	PAVE-Seal 150	EPOXY BLACK
1	1	3742	HOUSING PT4L-SS

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DESCRIPTION  
 PT4-SS-150-6-20-3112P-SOC

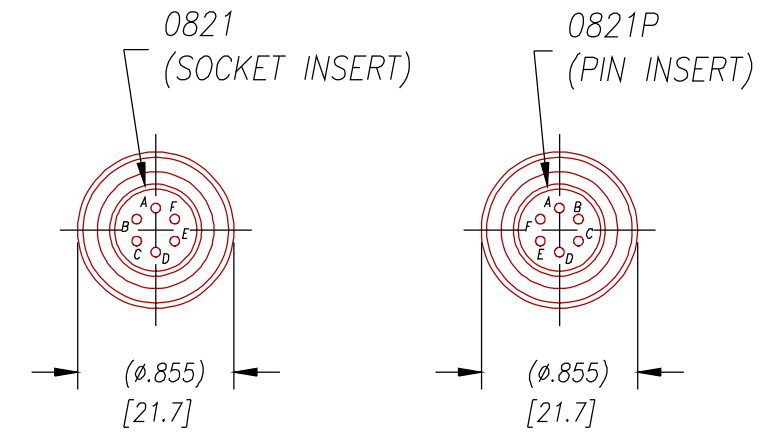
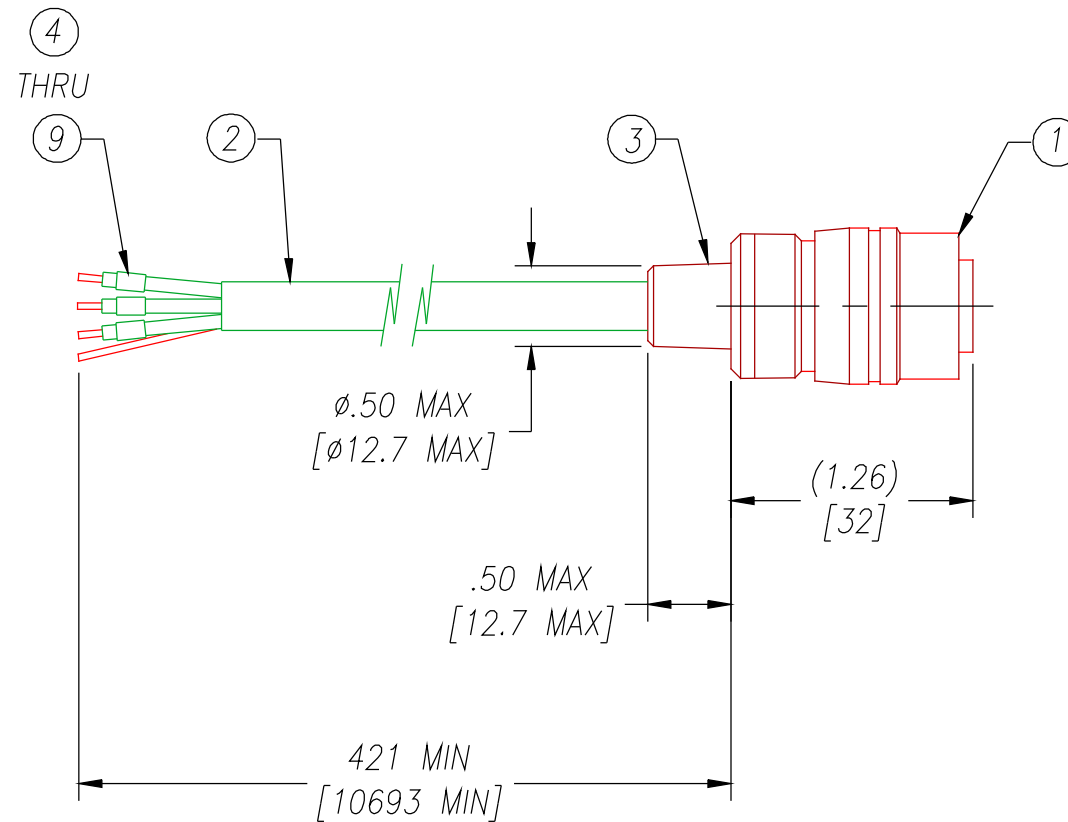
PART NUMBER \*SEE NOTE 10 MATERIAL NOTED  
**0949\***

REVISION LEVEL H PROJECTION

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

# SCHEMATIC

LABELS	WIRE COLOR	ITEM 1 SOCKETS/PINS
A	RED	A
B	BLACK	B
C	BLUE	C
D	BROWN	D
E	GREEN	E
F	WHITE	E
	DRAIN	F



## NOTES:

- HIPOT 630 VDC 500 MΩ .01 SEC MINIMUM, WIRE TO WIRE & SHELL WITH MATING CONNECTOR.
- CONTINUITY TEST SOCKETS/PINS TO WIRE ENDS < 1.0 Ω WITH MATING CONNECTOR.
- ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
- ALL PARTS MUST PASS ALL TESTS.
- WIRES WILL BE LABELED WITH LETTERS AS SHOWN PER SCHEMATIC.
- DIMENSIONS ARE INCHES [millimeters].
- COSMETIC SURFACE VOIDS SMALLER THAN  $\phi 0.035$  [0.89] ARE ACCEPTABLE.

PAVE#	ITEM 1 PART#	ITEM 1 DESCRIPTION	PAVE DESCRIPTION
0821	SC3116F10-6S	PLUG 6 #20 SOC ELECTROLESS NICKEL PLATED	SC3116F10-6S PLUG W/CABLE
0821P	SC3116F10-6P	PLUG 6 #20 PIN ELECTROLESS NICKEL PLATED	SC3116F10-6P PLUG W/CABLE

9	1	WM-F-CAP	MARKER WIRE F
8	1	WM-E-CAP	MARKER WIRE E
7	1	WM-D-CAP	MARKER WIRE D
6	1	WM-C-CAP	MARKER WIRE C
5	1	WM-B-CAP	MARKER WIRE B
4	1	WM-A-CAP	MARKER WIRE A
3	A/R	PAVE-Seal 150	EPOXY BLACK
2	1	PVC 6/C#22	CABLE 6/PC22 FOIL+DRAIN+JACKET
1	1	SEE TABLE	SEE TABLE
ITEM	QTY	PART#	DESCRIPTION



DESCRIPTION  
\*SEE TABLE

PART NUMBER \*SEE TABLE  
0821\*

REVISION LEVEL F  
PROJECTION

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