

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	LENGTH
1	TICOD DADT # T\$000/ 1	DB25 MALE CONNECTOR (J1) FOR UHV (PEEK)	- 1	
2	TICOR PART # TS0086-1	DB25 CONNECTOR BACKSHELL FOR UHV (STAINLESS)		
3	TICOR PART # TS-0143-1	MicroD25 FEMALE CONNECTOR (J2) FOR UHV	1	
4	BACKSHELL (included in PART # TS-0143-1)	MicroD25 CONNECTOR BACKSHELL FOR UHV	1	
(5)	C1	25 COND. (12 TW PAIR + 1 WIRE + SHIELD) CABLE WITH COPPER BRAID (SHIELD) 6 AND PEEK OVERBRAID 7		
6	CONTINENTAL PART #24x4x40BC COPPER BRAID - CONTINENTAL CORDAGE PART #24x4x40BC			110in *
7	PART #6759	PEEK BRAID - PART #6759 MANUFACTURED WITH ZEUS 0.016" BLACK PEEK DRAWN MONOFILAMENT		
8	GLENAIR 600-052	GLENAIR 600-052 STANDARD BRAID CLAMP (BAND - IT)	2	

* NOTE: THE OVERALL LENGTH IS MEASURED FROM PIN TIP (25 PIN D-SUB) TO PIN TIP (25 PIN μD) OF THE CABLE.
Use whatever length is necessary for the internal wiring of the connectors and strip length to achieve the correct overall length.

NOTES: (UNLESS OTHERWISE SPECIFIED)

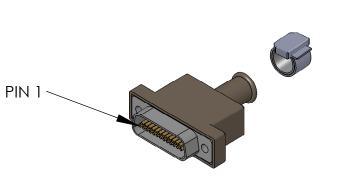
1. MATERIAL: a. CONNECTOR SHELL - PEEK - VICTREX 450GL30.

b. BACKSHELL - STAINLESS STEEL WITH VENT HOLE.
c. CONTACTS - BERYLLIUM COPPER ALLOY C17300
0.000050 MIN. GOLD OVER NICKEL

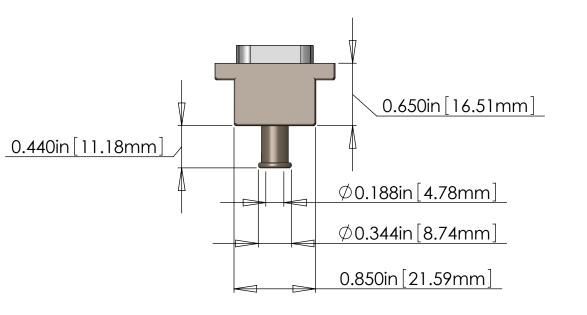
d. HARDWARE: CORROSION RESISTANCE STEEL, PASSIVATED

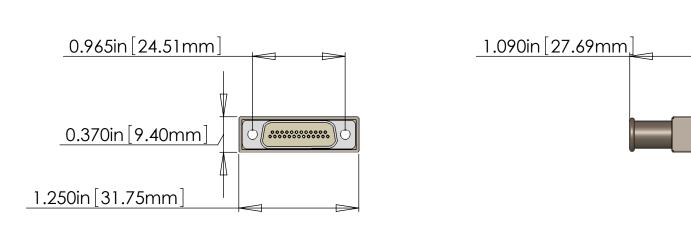
e. PEEK BRAID - PEEK CARBON LOADED

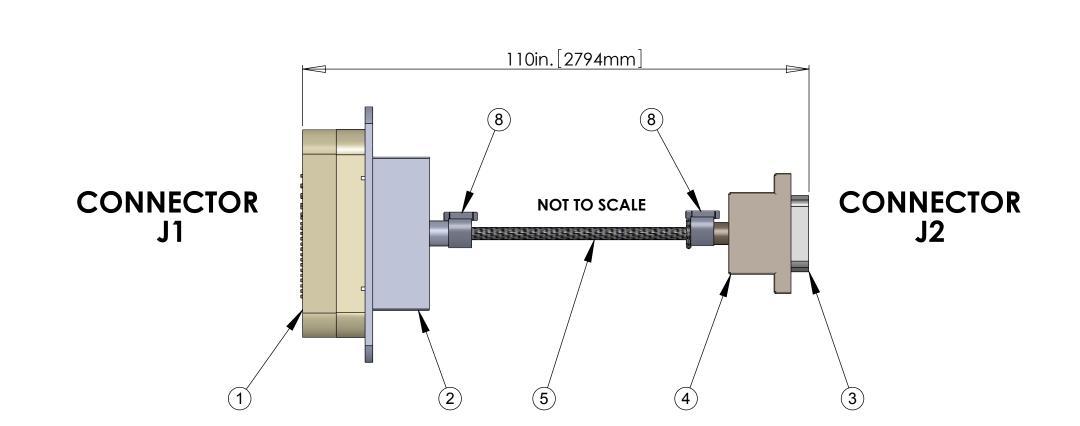
CABLE 25 COND. 29 AWG (51/46), WITH PFA INSULATION COONER WIRE #CZ1104 12 TWISTED PAIRS (4 TO 5 TWISTS PER INCH) + 1 WIRE OVERALL 40AWG SILVER PLATED COPPER BRAID 90% COVERAGE OVERALL PEEK BRAID MIN. 50% COVERAGE OVERALL CABLE O.D. WILL BE 0.240 IN.



CONNECTOR J2







DATE

DCN#

DRAWING TREE #

V25G-110 CABLE ASSEMBLY CIRCUIT SUMMARY V-DB25 M/S1-110-μD25 F/S1								
CABLE NAME	COND WIRE ID	TWISTED PAIR	LENGTH	FROM	To			
V25G-110	25 COND. CABLE	(12 TOTAL)	110 in.	Conn. J1	Cor			
C1	SHIELD (COPPER BRAID)		110 in.	PIN 1, SHIELD & SHELL	PII SHIE SH			
	W1	SINGLE WIRE	110 in.	PIN 1, SHIELD & SHELL	PII SHIE SH			
	W2	TD 1	110 in.	PIN 2	PI			
	W14	· TP-1	110 in.	PIN 14	PII			
	W3	TP-2	110 in.	PIN 3	PI			
	W15	IF-Z	110 in.	PIN 15	PII			
	W4	TP-3	110 in.	PIN 4	PI			
	W16	11-3	110 in.	PIN 16	PII			
	W5	TP-4	110 in.	PIN 5	PI			
	W17	11 -4	110 in.	PIN 17	ll Pil			
	W6	TP-5	110 in.	PIN 6	PI			
	W18		110 in.	PIN 18	PII			
	W7	TP-6 - TP-7 -	110 in.	PIN 7	P			
	W19		110 in.	PIN 19	PII			
	W8		110 in.	PIN 8	PI			
	W20		110 in.	PIN 20	PI			
	W9	TP-8	110 in.	PIN 9	PI			
	W21		110 in.	PIN 21	PII			
	W10	TP-9	110 in.	PIN 10	PII			
	W22	11 - 7	110 in.	PIN 22	PI			
	W11	TP-10	110 in.	PIN 11	PII			
	W23	11 - 10	110 in.	PIN 23	PII			
	W12	TP-11	110 in.	PIN 12	PII			
	W24		110 in.	PIN 24	PII			
	W13	TP-12	110 in.	PIN 13	PII			
	W25		110 in.	PIN 25	PII			

 V-DB25 M/S1-110-μD25 F/S1

 STANDARD USE FOR THIS CABLE

 SUBSYSTEM
 AIR/VAC
 STANDARD USE

 SUS
 IN-VAC
 QUAD SUSPENSION UIM

	NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)			7/1111	CALIFORNIA INICTITUTE OF TECHNIOLOGY	PART NAME	CUSTO	AA C A D	E CDECI	EIC ATION \	/25C 110		
DIMENSIONS ARE IN	1. INTERPRET DRAWING PER ASME Y14.5-1994. 2. REMOVE ALL SHARP EDGES, R.02 MIN.			LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		LUSIUM LADLE SECLIFICATION V23(7=110)						,	
TOLERANCES: 3. DO NOT SCALE FROM DRAWING. 4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE		TER SOLUBLE	SYSTEM	SUB-SYSTEM	DESIGNER J.HEEFNER		AUG/17/2011 SIZE DWG. NO.				RE\	1.	
.XX ± .XXX ±	AND FREE OF SULFUR, SILICONE, AND CHLO				SUS	DRAFTER	E. BROWN	AUG/17/201	<u>ח</u>	LIGO-E	1002522	!- v :	2
ANGULAR±°	MATERIAL	FINISH		NEXT ASSY	,	CHECKER						. •	_
			μinch)		APPROVAL			SCALE: 1:1	PROJECTION	:	SHEET 1 OF	1