

ITEM NO.	PART NUMBER	R DESCRIPTION			
1	TICOR PART # TS0086-1	DB25 MALE CONNECTOR (J1) FOR UHV (PEEK)	1		
2		DB25 CONNECTOR BACKSHELL FOR UHV (STAINLESS)	I		
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	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	1	90in *	
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)

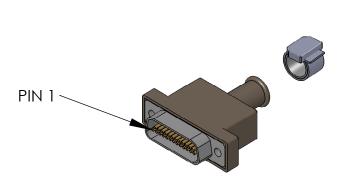
1. MATERIAL: a. CONNECTOR SHELL - PEEK - VICTREX 450GL30.

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

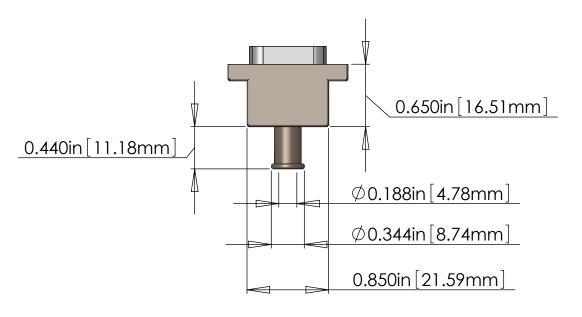
d. HARDWARE: CORROSION RESISTANCE STEEL, PASSIVATED

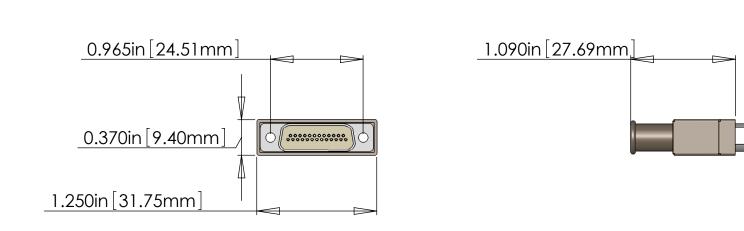
e. PEEK BRAID - PEEK CARBON LOADED

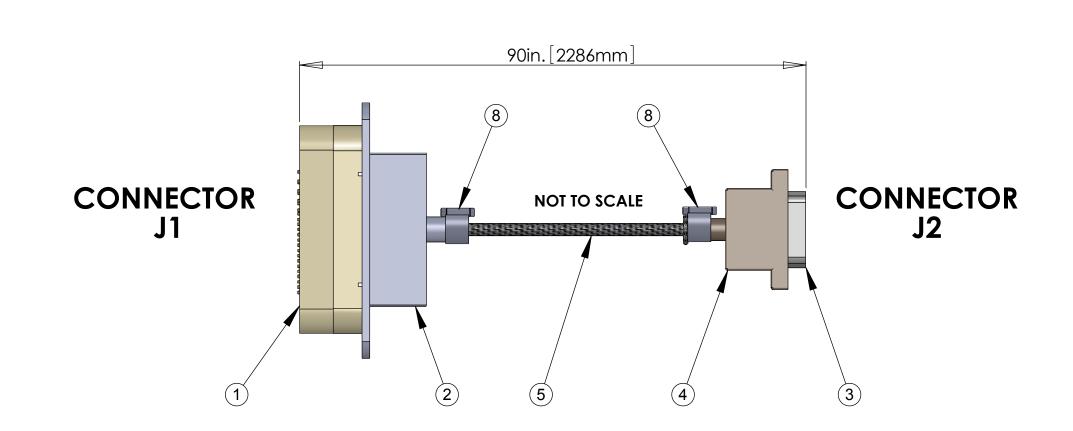
2. CABLE 25 COND. 29 AWG (51/46), WITH PFA INSULATION COONER WIRE #CZ1104 12 TWISTED PAIRS (4 TO 5 TWISTS PER INCH) + 1 WIRE OVERALL 40AWG SILVER PLATED COPPER BRAID 90% COVERAGE OVERALL PEEK BRAID MIN. 50% COVERAGE OVERALL CABLE O.D. WILL BE 0.240 IN.



CONNECTOR







DATE

DCN#

DRAWING TREE #

V25G-90 CABLE ASSEMBLY CIRCUIT SUMMARY V-DB25 M/S1-90-μD25 F/S1									
CABLE NAME	COND WIRE ID	TWISTED PAIR	LENGTH *	FROM	то				
V25G-90	25 COND. CABLE	(12 TOTAL)	90 in.	Conn. J1	Conn. J2				
C 1	SHIELD (COPPER BRAID)		90 in.	PIN 1, SHIELD & SHELL	PIN 1, SHIELD & SHELL				
	W1	SINGLE WIRE	90 in.	PIN 1, SHIELD & SHELL	PIN 1, SHIELD & SHELL				
	W2	W2 TP 1		PIN 2	PIN 2				
	W14	TP-1	90 in. 90 in.	PIN 14	PIN 14				
	W3	TD O	90 in.	PIN 3	PIN 3				
	W15	TP-2	90 in.	PIN 15	PIN 15				
	W4	TD 2	90 in.	PIN 4	PIN 4				
	W16	TP-3	90 in.	PIN 16	PIN 16				
	W5	TP-4	90 in.	PIN 5	PIN 5				
	W17		90 in.	PIN 17	PIN 17				
	W6	TP-5	90 in.	PIN 6	PIN 6				
	W18		90 in.	PIN 18	PIN 18				
	W7		90 in.	PIN 7	PIN 7				
	W19	11 -0	90 in.	PIN 19	PIN 19				
	W8	TP-7	90 in.	PIN 8	PIN 8				
	W20	11 -7	90 in.	PIN 20	PIN 20				
	W9	TP-8	90 in.	PIN 9	PIN 9				
	W21		90 in.	PIN 21	PIN 21				
	W10	TP-9	90 in.	PIN 10	PIN 10				
	W22		90 in.	PIN 22	PIN 22				
	W11	TP-10	90 in.	PIN 11	PIN 11				
	W23		90 in.	PIN 23	PIN 23				
	W12	TP-11	90 in.	PIN 12	PIN 12				
	W24		90 in.	PIN 24	PIN 24				
	W13	TD 10	90 in.	PIN 13	PIN 13				
	W25	TP-12	90 in.	PIN 25	PIN 25				

necessary to compensate for the internal wiring of the connectors and strip length.

V-DB25 M/S1-90-μD25 F/S1 STANDARD USE FOR THIS CABLE								
IN-VAC	QUAD SUSPENSION UIM							
	STANDARD U							

	NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)		JIIII CALIEODNIA	INSTITUTE OF TECHNOLOGY	PART NAME	CUSTO	M C A RI	E CDECIEIO	CATION V)5C 90			
DIMENSIONS ARE IN	2. KLMOVL ALL SHAKI LDGLS, K.UZ MIIN.		LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		LUSIOM CABLE SPECIFICATION V23G-70							А	
TOLERANCES:	3. DO NOT SCALE FROM DRAWING. 4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FU	ILLY WATER SOLUBLE	SYSTEM	SUB-SYSTEM	DESIGNER	J.HEEFNER	AUG/17/2011	SIZE DWG. N	О.			REV.	
.XX	AND FREE OF SULFUR, SILICONE, AND CHLORINE.	, LET TO THE TO LODGE		SUS	DRAFTER	E. BROWN	AUG/17/2011	ן ו	IGO-D	1002521	_	v2	
ANGULAR±°	MATERIAL	FINISH	NEXT ASSY	<u>'</u>	CHECKER					. 00202 .		~	
		μincl			APPROVAL			SCALE: NONE	PROJECTION:	O -C1	SHEET	1 OF 1	