

BILL OF MATERIALS						
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	LENGTH		
1		DB25 MALE CONNECTOR (J1) FOR UHV (GOLD METALIZED PEEK) DB25 CONNECTOR BACKSHELL FOR UHV (STAINLESS)				
2	TICOR # TS0125-3					
3	GLENAIR # 803-001-06M6-4SN-598A	MIGHTY MOUSE SOCKET CONNECTOR (J2, J3, J4, J5)	4			
4	COONER WIRE # CZ2205 22GA PFA INSULATED BIOMEDICAL WIRE	4 COND. CABLE 22GA PFA INSULATED (WITH PEEK OVERBRAID) (5) NO SHIELD PARTS SUPPLIED BY LIGO	4	36 in.*		
(5)	PART # 6759	PEEK BRAID - PART #6759 MANUFACTURED WITH ZEUS 0.016" BLACK PEEK DRAWN MONOFILAMENT - SUPPLIED BY LIGO	4			
٦	GLENAIR # 600-052 or BAND-IT # A10086	GLENAIR # 600-052 STANDARD BRAID CLAMP or BAND-IT PART # A10086 (0.240" WIDE) ("BAG OF 100" # A10089)	8			

* NOTE: THE OVERALL LENGTH IS MEASURED FROM PIN TIP (25 PIN) TO PIN TIP (4 PIN) OF THE CABLE. USE WHATEVER LENGTH IS NECESSARY FOR THE INTERNAL WIRING OF ALL THE CONNECTORS AND STRIP LENGTH TO ACHIEVE THE CORRECT OVERALL LENGTH.

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NOTES: (UNLESS OTHERWISE SPECIFIED)

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- A. MATERIAL: a. J1 CONNECTOR SHELL GOLD OVER ELECTRO-LESS NICKEL SELECTIVELY METALIZED PEEK VICTREX 450GL30. b. BACKSHELL - STAINLESS STEEL WITH VENT HOLE. c. CONTACTS - BERYLLIUM COPPER ALLOY C17300 0.000050 MIN. GOLD OVER NICKEL.
 - d. HARDWARE: STAINLESS STEEL, PASSIVATED. e. PEEK BRAID - PEEK VICTREX GRADE TDS-450CA30 CARBON LOADED.
- B. CABLE 4 COND. 22 AWG, WITH PFA INSULATION COONER WIRE #CZ2205.
- OVERALL PEEK BRAID MIN. 50% COVERAGE. OVERALL CABLE O.D. WILL BE APPROX. 0.200 IN.

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C. CONNECTORS WILL BE SUPPLIED WITH HARDWARE. (LENGTH OF SCREWS AS SHOWN ARE APPROXIMATE SCREWS SHOULD BE THE PROPER LENGTH FOR PROPER MATING).

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TEST LIST		TES	TEST LIST		TEST LIST		TEST LIST	
FROM	то	FROM	το	FROM	то	FROM	то	
J1	J2	J1	J3	J1	J4	J1	J5	
PIN	PIN	PIN	PIN	PIN	PIN	PIN	PIN	
J1 - 1, SHELL	J2 - NOT CONNECTED	J1 - 1, SHELL, SHIELD	J3 - NOT CONNECTED	J1 - 1, SHELL, SHIELD	J4 - NOT CONNECTED	J1 - 1, SHELL, SHIELD	J5 - NOT CONNECTED	
J1 - 13	J2 - 1	J1 - 11	J3 - 1	J1 - 9	J4 - 1	J1 - 7	J5 - 1	
J1 - 25	J2 - 2	J1 - 23	J3 - 2	J1 - 21	J4 - 2	J1 - 19	J5 - 2	
J1 - 12	J2 - 3	J1 - 10	J3 - 3	J1 - 8	J4 - 3	J1 - 6	J5 - 3	
J1 - 24	J2 - 4	J1 - 22	J3 - 4	J1 - 20	J4 - 4	J1 - 18	J5 - 4	

DIMENSIONS ARE IN TOLERANCES: .XX ± .XXX ± ANGULAR ± °

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V25A	C - V-DB2
	STANDAR
SUBSYSTEM	AIR/VAC
ISC	IN-VAC

LIGO	CALIFORNIA INSTITUTE OF TEC MASSACHUSETTS INSTITUTE O	PART NAME CUSTO		
SYSTEM		SUB-SYSTEM	DESIGNER	R. ABE
		ISC	DRAFTER	E. BRC
NEXT ASSY			CHECKER	
			APPROVAL	
	1	2		

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED) INTERPRET DRAWING PER ASME Y14.5-1994. 2. REMOVE ALL SHARP EDGES, .005-.015. FOR MACHINED PARTS. ROUND ALL EDGES APPROXIMATLEY R.02 FOR SHEET METAL PARTS. 3. DO NOT SCALE FROM DRAWING. 4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORINE. MATERIAL

µinch

FINISH

325 M/S1-36-4_MM4PIN F/S RD USE FOR THIS CABLE **STANDARD USE PICOMOTORS TABLE TO MOTORS**

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