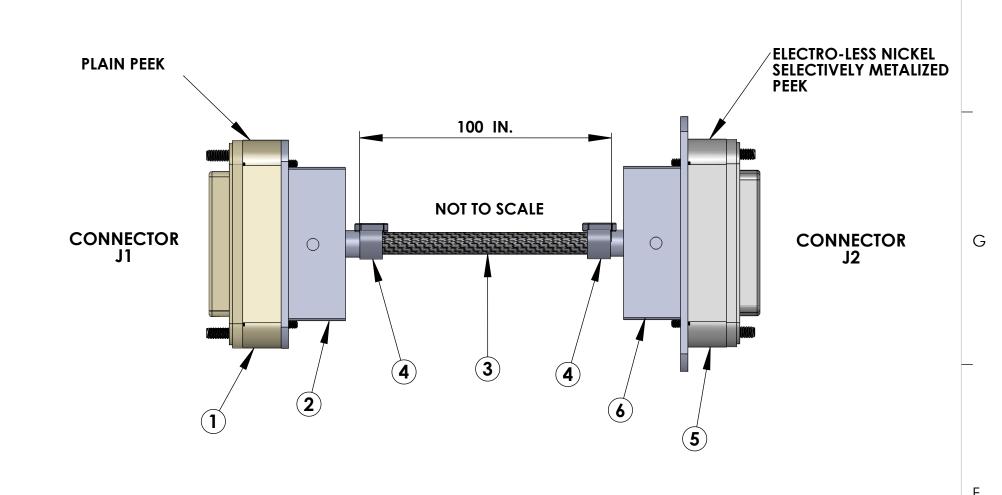


REV.	DATE	DCN #	DRAWING TREE #			



CABLE NAME	COND WIRE ID	TWISTED PAIR	LENGTH *	FROM	ТО	
V25A-100	25 COND. CABLE	(12 TOTAL)	100 in.	Conn. J1	Conn. J	
	W1	SHIELD	100 in	PIN 1, SHELL	PIN 1, SHELL	
	W2	TP-1	100 in	PIN 2	PIN 2	
	W14		100 in	PIN 14	PIN 14	
	W3	TP-2	100 in	PIN 3	PIN 3	
	W15		100 in	PIN 15	PIN 15	
	W4	———— IP-3 ⊦	100 in	PIN 4	PIN 4	
	W16		100 in	PIN 16	PIN 16	
	W5	TP-4	100 in	PIN 5	PIN 5	
	W17		100 in	PIN 17	PIN 17	
	W6		100 in	PIN 6	PIN 6	
	W18		100 in	PIN 18	PIN 18	
	W7	TD /	100 in	PIN 7	PIN 7	
	W19	│ TP-6	100 in	PIN 19	PIN 19	
	W8	TP-7	100 in	PIN 8	PIN 8	
	W20		100 in	PIN 20	PIN 20	
	W9	TP-8	100 in	PIN 9	PIN 9	
	W21		100 in	PIN 21	PIN 21	
	W10	TP-9	100 in	PIN 10	PIN 10	
	W22		100 in	PIN 22	PIN 22	
	W11	TP-10	100 in	PIN 11	PIN 11	
	W23	IP-10	100 in	PIN 23	PIN 23	
	W12		100 in	PIN 12	PIN 12	
	W24		100 in	PIN 24	PIN 24	
	W13	TD 10	100 in	PIN 13	PIN 13	
	W25	│ TP-12	100 in	PIN 25	PIN 25	

V-DB25 F/S1-100-DB25 F/S1 STANDARD USE FOR THIS CABLE STANDARD USE SUBSYSTEM AIR/VAC GS-13,L-4C IN-VAC

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)		JIIII CALIFORNIA INICTITUTE OF TECHNOLOGY PAF		PART NAME	E CUSTOM CABLE SPECIFICATION							
DIMENSIONS ARE IN	1. INTERPRET DRAWING PER ASME Y14.5-1994. 2. REMOVE ALL SHARP EDGES, R.02 MIN.	LIG		CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		V25A-100						
OLERANCES:	3. DO NOT SCALE FROM DRAWING.4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, I	FIIITY WATER SOLLIBLE	SYSTEM	SUB-SYSTEM	DESIGNER	B.ABBOTT	SEP/21/2011	SIZE [DWG. NO.			REV.
.XX ± .XXX ±	AND FREE OF SULFUR, SILICONE, AND CHLORINE.	TOLLY WITHER SOLUBLI	LIGO	SEI, ISC	DRAFTER		SEP/21/2011	D	HGO	D - D1000221		v 5
	MATERIAL	FINISH	NEXT ASSY		CHECKER					DIOUZZI		10
ANGULAR±°	Material <not specified=""></not>	μinc	h		APPROVAL			SCALE:	1·1 PF	OJECTION:	SHEET 1 (OF 1

NOTES: (UNLESS OTHERWISE SPECIFIED)

PART NUMBER

CUSTOM DB25 FEMALE CUSTOM BACKSHELL

C1

GLENAIR 600-052

CUSTOM DB25 FEMALE

CUSTOM BACKSHELL

LENGTH TO ACHIEVE THE CORRECT OVERALL LENGTHS.

ITEM NO.

3

MATERIAL: a. J1 CONNECTOR SHELL - PEEK VICTREX 450GL30
b. J2 CONNECTOR SHELL - SELECTIVELY METALIZED OVER PEEK VICTREX 450GL30.

* NOTE: USE WHATEVER LENGTH IS NECESSARY FOR THE INTERNAL WIRING OF THE CONNECTORS AND STRIP

c. BACKSHELLS - STAINLESS STEEL WITH VENT HOLE.

d. CONTACTS - BERYLLIUM COPPER ALLOY C17300

0.000050 MIN. GOLD OVER NICKEL

e. HARDWARE: CORROSION RESISTANCE STEEL, PASSIVATED f. PEEK BRAID - PEEK VICTREX GRADE TDS-450CA30 CARBON LOADED - SUPPLIED BY LIGO

DESCRIPTION

DB25 FEMALE CONNECTOR (J1) FOR UHV (PEEK)

DB25 CONNECTOR BACKSHELL (NO EARS) FOR UHV (STAINLESS)

25 COND. (12 TW PAIR + 1 WIRE + SHIELD) CABLE WITH COPPER BRAID (SHIELD) AND PEEK OVERBRAID

GLENAIR 600-052 STANDARD BRAID CLAMP (BAND - IT)

DB25 FEMALE CONNECTOR (J2) FOR UHV (METALIZED PEEK)

DB25 CONNECTOR BACKSHELL (WITH EARS) FOR UHV (STAINLESS)

CABLE 25 COND. 28 AWG, (40 STRD 44 AWG) WITH 2 LAYERS OF KAPTON TAPE 12 TWISTED PAIRS (4 TO 5 TWISTS PER INCH) + 1 WIRE

OVERALL 40AWG COPPER BRAID 50% COVÉRAGE - SUPPLIED BY LIGO OVERALL PEEK BRAID MIN. 50% COVERAGE OVERALL CABLE O.D. WILL BE 0.240 IN.

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

QTY.

2

LENGTH

100in +