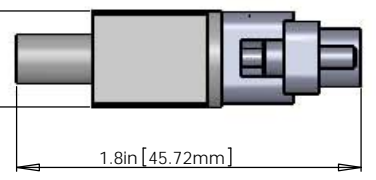
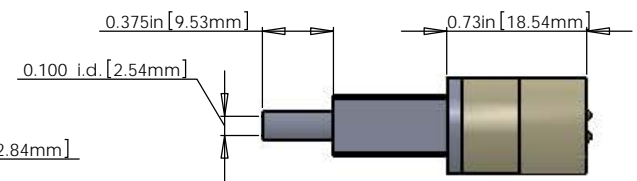
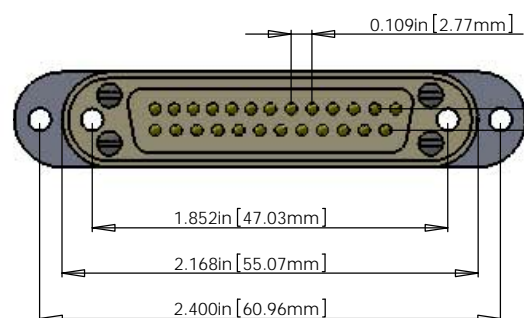
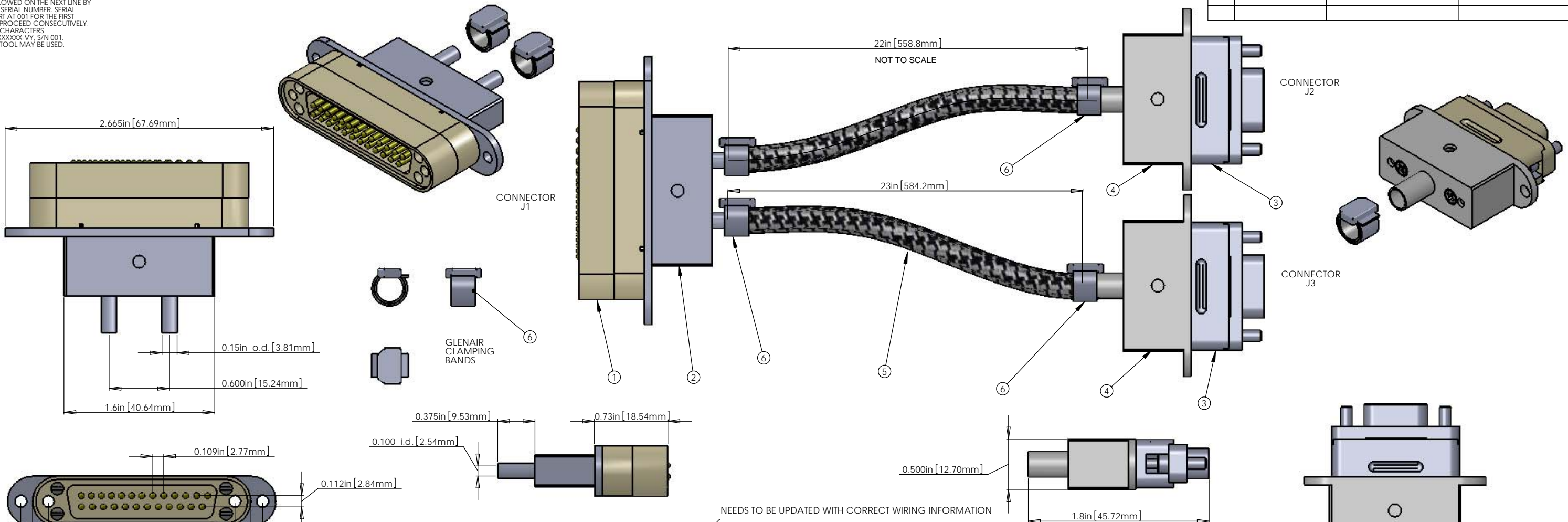


NOTES CONTINUED:
 ⑤ SCRIBE, ENGRAVE, OR MECHANICALLY STAMP (NO INKS OR DYES) DRAWING PART NUMBER AND REVISION ON NOTED SURFACE FOLLOWED ON THE NEXT LINE BY A THREE DIGIT SERIAL NUMBER. SERIAL NUMBERS START AT 001 FOR THE FIRST ARTICLE AND PROCEED CONSECUTIVELY. USE 07 HIGH CHARACTERS. EXAMPLE: DXXXXXX-VY, S/N 001. A VIBRATORY TOOL MAY BE USED.

REV.	DATE	DCN #	DRAWING TREE #



NEEDS TO BE UPDATED WITH CORRECT WIRING INFORMATION

V25W CABLE ASSEMBLY CIRCUIT SUMMARY
V-DB25 M/S-22,23-2_DB9 F/X

FROM					TO		
CONNECTOR J2 - 9 PIN SUBMINI_D FEMALE CONNECTOR (PEEK)					CONNECTOR J2 - 9 PIN SUBMINI_D FEMALE CONNECTOR (PEEK)		
PIN	WIRE NAME	COLOR	LENGTH	TWISTED PAIR	PIN	WIRE NAME	SIGNAL
1,9,SHELL	SHIELD (BRAID)		22in.		N/C (not connected)	SHIELD (BRAID)	SHIELD
1,9,SHELL	(CABLE 1) WIRE 1	White	22in.	SINGLE WIRE	5	(CABLE 1) WIRE 1	SHIELD
2	(CABLE 1) WIRE 2	White	22in.	TP-1	4	(CABLE 1) WIRE 2	POWER -
14	(CABLE 1) WIRE 14	White	22in.	TP-1	9	(CABLE 1) WIRE 14	POWER - RTN
3	(CABLE 1) WIRE 3	White	22in.	TP-2	3	(CABLE 1) WIRE 3	POWER +
15	(CABLE 1) WIRE 15	White	22in.	TP-2	8	(CABLE 1) WIRE 15	POWER + RTN
4	(CABLE 1) WIRE 4	White	22in.	TP-3	2	(CABLE 1) WIRE 4	LOCK +
16	(CABLE 1) WIRE 16	White	22in.	TP-3	7	(CABLE 1) WIRE 16	LOCK -
5	(CABLE 1) WIRE 5	White	22in.	TP-4	1	(CABLE 1) WIRE 5	SIG +
17	(CABLE 1) WIRE 17	White	22in.	TP-4	6	(CABLE 1) WIRE 17	SIG -
CONNECTOR J3 - 9 PIN SUBMINI_D FEMALE CONNECTOR (PEEK)					CONNECTOR J3 - 9 PIN SUBMINI_D FEMALE CONNECTOR (PEEK)		
9,1,SHELL	SHIELD (BRAID)		23in.		N/C (not connected)	SHIELD (BRAID)	SHIELD
9,1,SHELL	(CABLE 2) WIRE 9	White	23in.	SINGLE WIRE	5	(CABLE 2) WIRE 9	SHIELD
10	(CABLE 2) WIRE 10	White	23in.	TP-5	4	(CABLE 2) WIRE 10	POWER -
22	(CABLE 2) WIRE 22	White	23in.	TP-5	9	(CABLE 2) WIRE 22	POWER - RTN
11	(CABLE 2) WIRE 11	White	23in.	TP-6	3	(CABLE 2) WIRE 11	POWER +
23	(CABLE 2) WIRE 23	White	23in.	TP-6	8	(CABLE 2) WIRE 23	POWER + RTN
12	(CABLE 2) WIRE 12	White	23in.	TP-7	2	(CABLE 2) WIRE 12	LOCK +
24	(CABLE 2) WIRE 24	White	23in.	TP-7	7	(CABLE 2) WIRE 24	LOCK -
13	(CABLE 2) WIRE 13	White	23in.	TP-8	1	(CABLE 2) WIRE 13	SIG +
25	(CABLE 2) WIRE 25	White	23in.	TP-8	6	(CABLE 2) WIRE 25	SIG -

BILL OF MATERIALS

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	LENGTH
1	CUSTOM DB25 MALE	DB25 MALE CONNECTOR (J1) FOR UHV (PEEK)	1	
2	CUSTOM BACKSHELL	DB25 CONNECTOR BACKSHELL FOR UHV (STAINLESS)	1	
3	CUSTOM DB9 FEMALE	DB9 FEMALE CONNECTOR (J2,J3) FOR UHV (PEEK)	2	
4	CUSTOM BACKSHELL	DB9 CONNECTOR BACKSHELL FOR UHV (STAINLESS)	2	
5	C1	9 COND. (4 TW PAIR+ SHIELD) CABLE WITH COPPER BRAID (SHIELD) AND PEEK OVERBRAID	2	22in. 23in.
6	GLENAIR 600-052	GLENAIR 600-052 STANDARD BRAID CLAMP	4	
7		#2-56 ALLEN HEAD MACHINE SCREW	4	
8		#4-40 UNC ALLEN HEAD MACHINE SCREW	2	

NOTES: (UNLESS OTHERWISE SPECIFIED)

- MATERIAL:**
 - CONNECTOR SHELL - PEEK.
 - BACKSHELL - STAINLESS STEEL WITH VENT HOLE.
 - CONTACTS - BERYLLIUM COPPER ALLOW C17300 0.000050 MIN. GOLD OVER NICKEL
 - HARDWARE: CORROSION RESISTANCE STEEL, PASSIVATED
 - PEEK BRAID - PEEK CARBON FIBRE LOADED
- CABLE** 25 COND. 28 AWG, (40 STRD 44 AWG) WITH 2 LAYERS OF KAPTON TAPE 12 TWISTED PAIRS (4 TO 5 TWISTS PER INCH)
 OVERALL 40AWG SILVER PLATED COPPER BRAID 90% COVERAGE
 OVERALL PEEK BRAID MIN. 50% COVERAGE
 OVERALL CABLE O.D. WILL BE APPROX. 0.240 IN.

DIMENSIONS ARE IN		TOLERANCES:		ANGULAR ± °	
XX	±	XX	±		
XXX	±	XXX	±		
Material <not specified>		FINISH		μinch	

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)
 1. INTERPRET DRAWING PER ASME Y14.5-1994.
 2. REMOVE ALL SHARP EDGES, R.02 MIN.
 3. DO NOT SCALE FROM DRAWING.
 4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORINE.

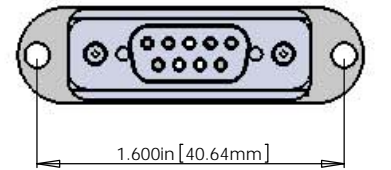
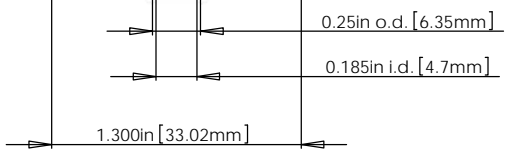
LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SYSTEM: _____ SUB-SYSTEM: ISC
 NEXT ASSY: _____

PART NAME
CUSTOM CABLE SPECIFICATION V25W

DESIGNER	DATE	SIZE	DWG. NO.	REV.
DRAFTER	E.BROWN	MAR/2/2010	D	D1000233-v1
CHECKER				
APPROVAL				

SCALE: 2:1 PROJECTION: SHEET 1 OF 1



STANDARD USE FOR THIS CABLE	
SUBSYSTEM	STANDARD USE
ISC	TABLE TO DCPD IN VAC PREAMP