

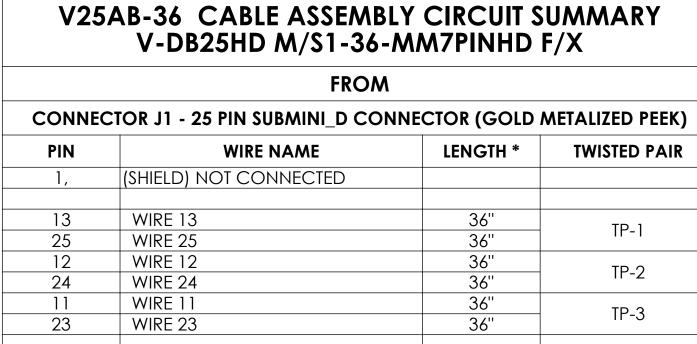
BILL OF MATERIALS								
ITEM NO.	PART NUMBER DESCRIPTION		QTY.	LENGTH				
1	TICOR #T\$0149-25CG20B\$1-225F	CUSTOM DB25 MALE CONNECTOR (J1) FOR UHV (GOLD METALIZED PEEK)	1					
2	OR EQUIVALENT	DB25 CONNECTOR BACKSHELL FOR UHV (STAINLESS STEEL)	I					
3	GLENAIR # 803-001-06M6-7SN-598A	7 PIN MIGHTY MOUSE SOCKET CONNECTOR (J2)	1					
4	COONER WIRE # CZ2205 22GA PFA INSULATED BIOMEDICAL WIRE	6 COND. (3 TWISTED PAIR) CABLE WITH (5) PEEK OVERBRAID. AND NO SHIELD		2/in *				
(5)	PART #6759	PEEK BRAID - PART #6759 MANUFACTURED WITH ZEUS 0.016" BLACK PEEK DRAWN MONOFILAMENT	1	36in.*				
6	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)	2					
7	HELICOIL #1185-04EN336	#4-40 Nitronic 60® HELICOIL 0.336" LENGTH	2					

* NOTE: THE OVERALL LENGTH IS MEASURED FROM BRAID CLAMP (25 PIN D) TO BRAID CLAMP (7 PIN MIGHTY MOUSE) OF THE CABLE. USE WHATEVER LENGTH IS NECESSARY FOR THE INTERNAL WIRING OF THE CONNECTORS AND STRIP LENGTH TO ACHIEVE THE CORRECT OVERALL LENGTH.

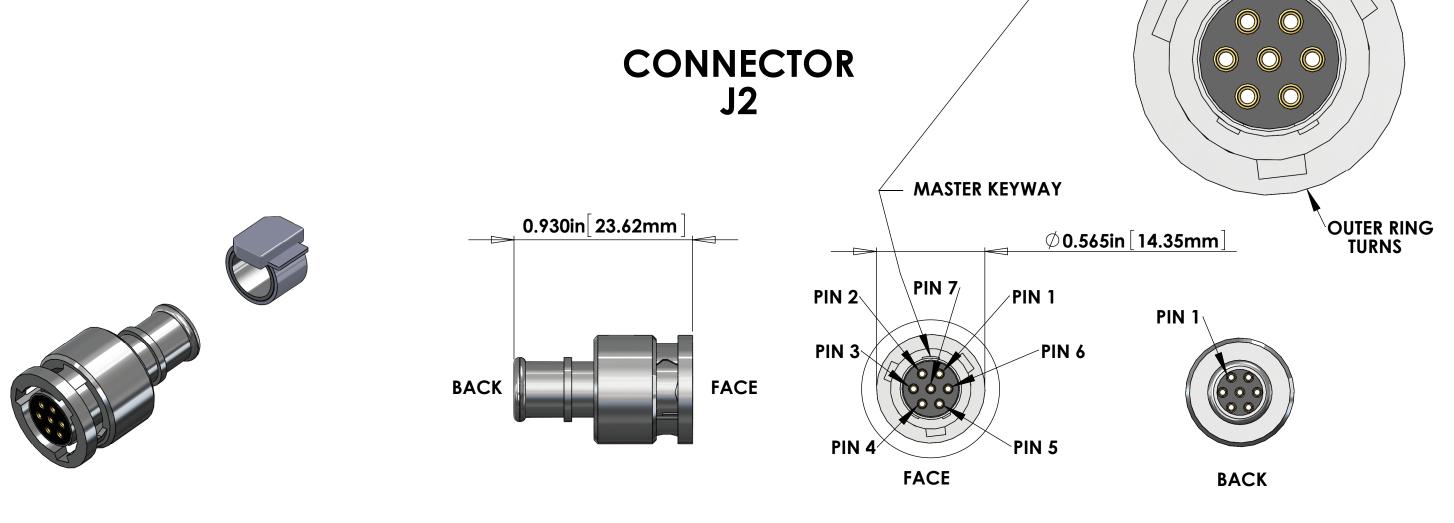
NOTES: (UNLESS OTHERWISE SPECIFIED)

- 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 6 COND. 22 AWG, (150 STRD 44 AWG) WITH PFA INSULATION. 3 TWISTED PAIRS (4 TO 5 TWISTS PER INCH). OVERALL PEEK BRAID MIN. 50% COVERAGE.
- OVERALL CABLE O.D. WILL BE APPROX. 0.240 IN.

 C. CONNECTORS WILL BE SUPPLIED WITH HARDWARE.



PIN 2,14,3,15,4,16,5,17,6,18,7,19,8,20,9,21,10,22 AND SHIELD N/C (NOT CONNECTED)

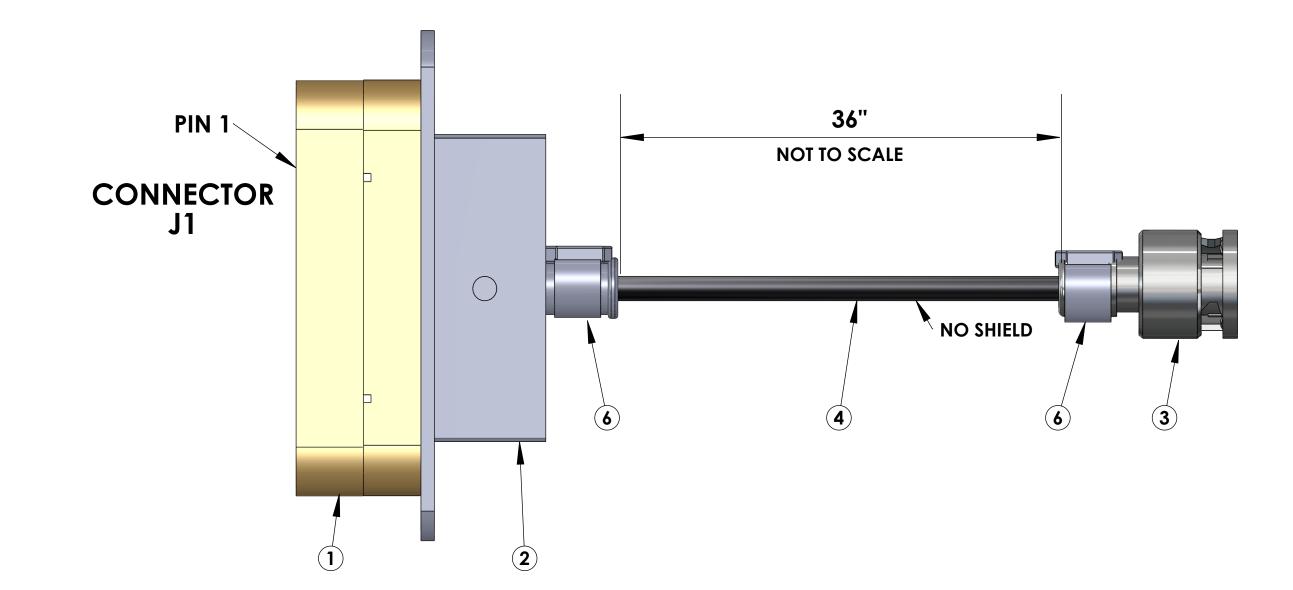


DATE

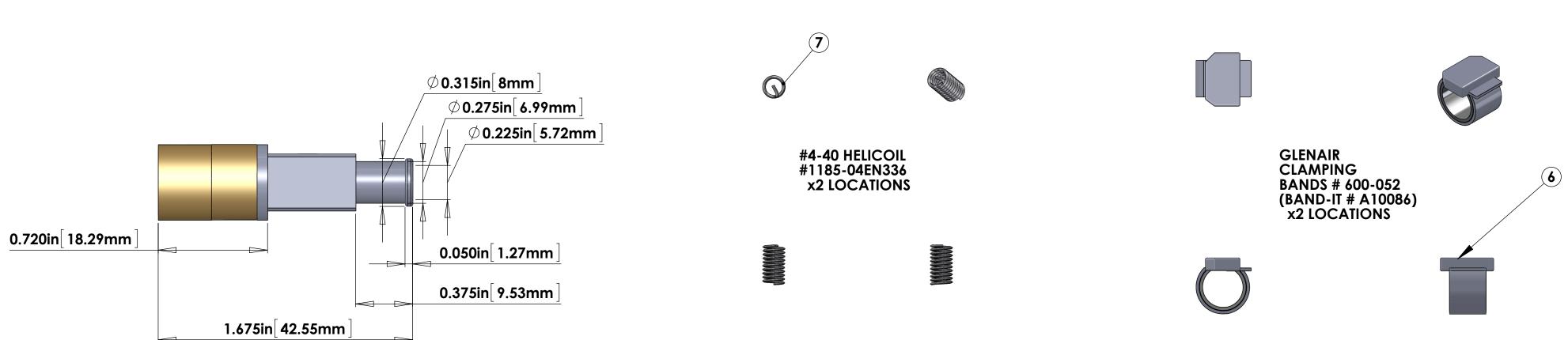
7 PIN MIGHTY MOUSE SOCKET CONNECTOR GLENAIR # 803-001-06M6-7SN-598A (MATES WITH GLENAIR # 803-003-07M6-7PN-598A)

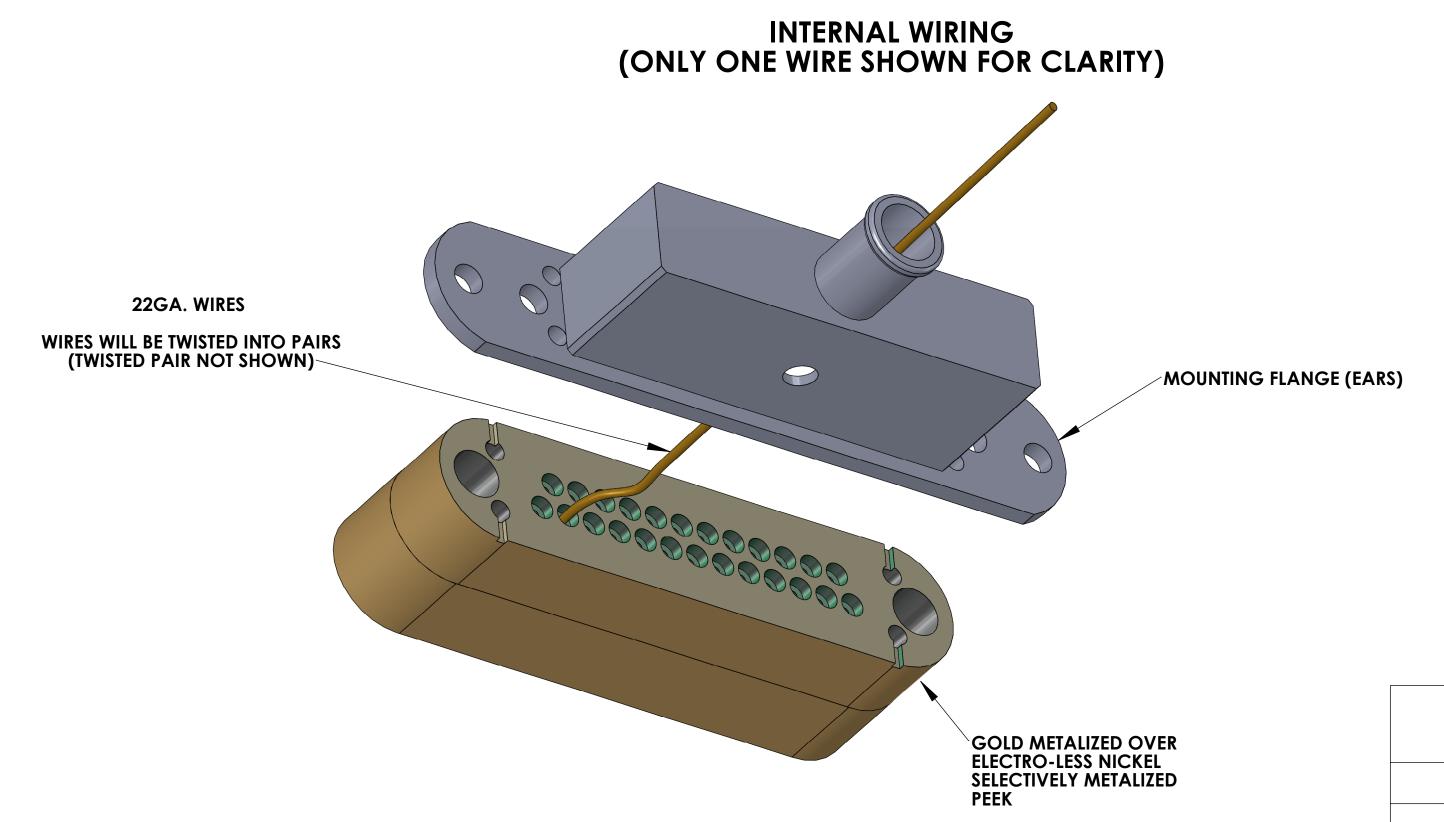
DCN#

DRAWING TREE #



V25AB-36 CABLE ASSEMBLY CIRCUIT SUMMARY									
	TO								
CON	INECTOR J2 - 7 PIN SO	CKET MIGHTY MO	OUSE CONNECTOR						
Pin	WIRE NAME	TWISTED PAIR	SIGNAL						
SHELL	NOT CONNECTED								
1	VALIDE 12		1 COII						
2	WIRE 13 WIRE 25	TP-1	+ COIL - COIL						
3	WIRE 12	TD 0	+ CLOSED SENSOR						
4	WIRE 24	TP-2	- CLOSED SENSOR						
5	WIRE 11	TP-3	+ OPEN SENSOR						
6	WIRE 23	117-3	- OPEN SENSOR						
7	N/C		N/C						





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TO
J2
PIN
J2 - SHELL
NOT CONNECTED
J2 - 1
J2 - 2
J2 - 3
J2 - 4
J2 - 5
J2 - 6
J2 - 7

SUSPENDED TRANSMON TABLE TO BEAM DIVERTER							
V25AB-3	6 - V-DB25H	M/S1-36-MM7PINHD F/X					
	STANDARD USE	FOR THIS CABLE					
SUBSYSTEM	AIR/VAC	STANDARD USE					
ISC	IN-VAC	TRANSMON BEAM DIVERTER					

	NOTES AND TOLERANCES: (UNLESS OTHERW	SE SPECIFIED)		ZIIII CALIFORNIA INICTITUTE	OF TECHNOLOGY	PART NAMI	E						
DIMENSIONS ARE IN	2. REMOVE ALL SHARP EDGES	1. INTERPRET DRAWING PER ASME Y14.5-1994. 2. REMOVE ALL SHARP EDGES, .005015. FOR MACHINED PARTS. ROUND ALL EDGES APPROXIMATLEY R.02 FOR SHEET METAL PARTS. 3. DO NOT SCALE FROM DRAWING.		LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		CUSTOM CABLE SPECIFICATION)N V25AB-3 <i>(</i>		-36
TOLERANCES:	3. DO NOT SCALE FROM DRA'			SYSTEM SUB-SYSTEM		DESIGNER	R. ABBOTT	JUN/06/2012 SIZE DWG. NO.				REV.	
.XX ± .XXX ±	4. ALL MACHINING FLUIDS MU AND FREE OF SULFUR, SILICON	ST BE FULLY SYNTHETIC, FULLY WAT IE, AND CHLORINE.	TER SOLUBLE		ISC	DRAFTER	E. BROWN	JUN/06/2012 F	D'	100021	37		v 5
ANGULAR±°	MATERIAL	FINI	ISH	NEXT ASSY		CHECKER		-		10002	<i>31</i>		V J
			μinch	n e		APPROVAL		SCAL	E: 2:1	PROJECTION:	\oplus	SHEET 1	OF 1