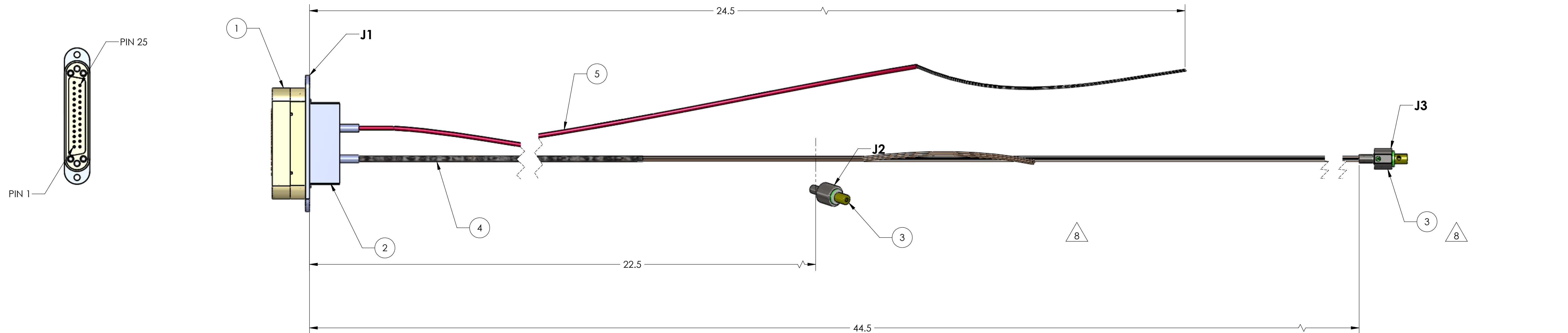
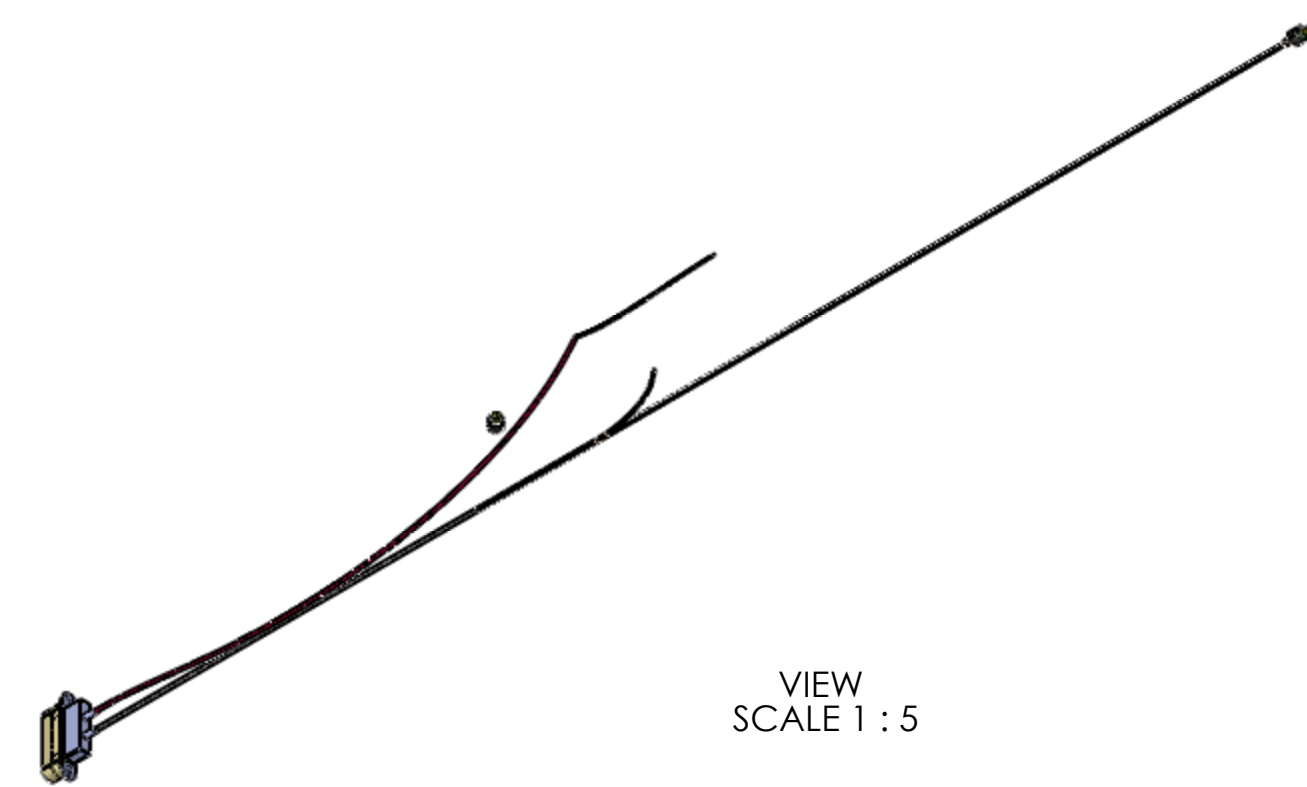


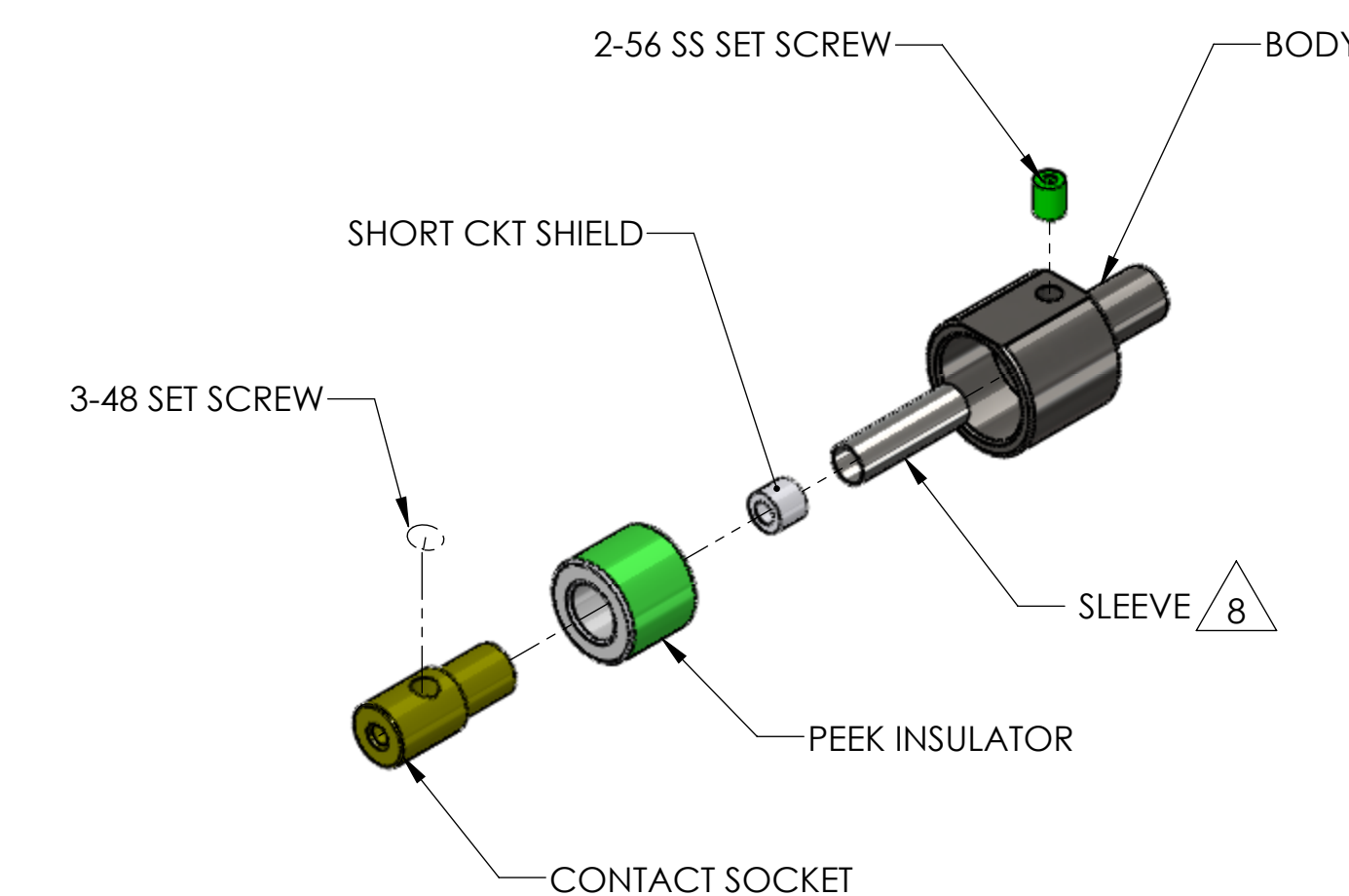
- NOTES CONTINUED:**
- BAG AND TAG WITH DRAWING PART NUMBER, REVISION FOLLOWED ON THE NEXT LINE WITH A THREE DIGIT SERIAL NUMBER. SERIAL NUMBERS START AT 001 FOR THE FIRST ARTICLE AND PROCEED CONSECUTIVELY. USE MINIMUM 0.12" HIGH CHARACTERS, UNLESS THE SIZE OF THE PART DICTATES SMALLER CHARACTERS. EXAMPLE: DXXXXXX-VY, TYPE-XX, S/N XXX
  - MACHINE ALL SURFACES TO REMOVE OXIDES AND MILL FINISH, USE OF ABRASIVE REMOVAL TECHNIQUES IS NOT ALLOWED.
  - ALL PARTS SHALL BE MANUFACTURED IN ACCORDANCE WITH LIGO SPECIFICATION E0900364.
  - CRIMP BRAID OF CONDUCTOR TO WIRE SLEEVE OF J2 AND J3 (ITEM 3; SEE ACCU-GLASS PRODUCTS INC, DWG #A111022, TITLE: UE400)
  - ITEMS 1, 2, 5, AND HARDWARE WILL BE PROVIDED BY LIGO, CALIFORNIA INSTITUTE OF TECHNOLOGY.
  - ALL JOINTS SHOULD BE CRIMPED, NO OTHER FORM OF JOINT IS ALLOWED WITHOUT THE APPROVAL OF LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY.

REV.	DATE	DCN #	DRAWING TREE #



FROM (J1)	TO
PIN 1	J2-BODY
PINS 2-5	PAIR 1&2, J2, CONTACT SOCKET
PINS 6-9	PAIR 3&4, J3, CONTACT SOCKET
PIN 10	J2-BODY
PIN 11	RED (PAIR 1)
PIN 12	BLACK (PAIR 1)
PIN 13	RED (PAIR 2)
PIN 14	BLACK (PAIR 2)
PINS 15 - 25	NOT CONNECTED

BILL OF MATERIAL				
ITEM #	PART #	DESCRIPTION	QTY	MANUFACTURE
1	CUSTOM DB25 MALE	DB25 MALE CONNECTOR FOR UHV (METALIZED PEEK)	1	LIGO, CUSTOMED
2	CUSTOM DB25 BACKSHELL	DB25 CONNECTOR BACK SHELL FOR UHV (STAINLESS STEELWITH VENT HOLE)	1	LIGO, CUSTOMED
3	111022	USER END 400 CONNECTOR ASSY	2	ACCU-GLASS
4	112140	28 AWG-SHIELDED KAPTON INSULATED 4-TWISTED PAIR WIRE	44.5'	ACCU-GLASS
5	EXGG-4CU-26S	EXGG SERIES 4 CONDUCTOR, RTD WIRE	25'	OMEGA



**EXPLODED VIEW OF ITEM 3**

DIMENSIONS ARE IN INCHES		NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)		CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME	
TOLERANCES: .XX ± .01 .XXX ±		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.		SYSTEM ADVANCED LIGO SUB-SYSTEM AOS		Cable Assy, Lower Heater	
ANGULAR ± 0.1°		MATERIAL N/A FINISH N/A μinch		NEXT ASSY D1001517		DESIGNER A.Cole 7/16/2010 SIZE DWG. NO. D1001519 DRAFTER A.COLE 7/26/2010 CHECKER CALUM TORRIE 07/26/2010 APPROVAL M.JACOBSON 7/26/2010 SCALE: 1:4 PROJECTION:	
						REV. v1 SHEET 1 OF 1	

D1001517\_Cable Assy/Rev B/Heater PART PDM REV: X-001 DRAWING PDM REV: X-002