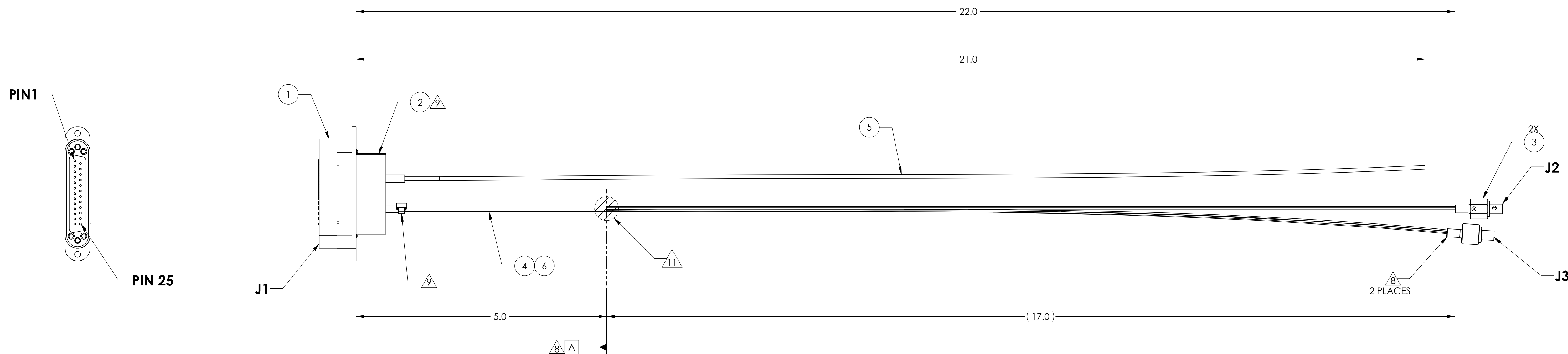
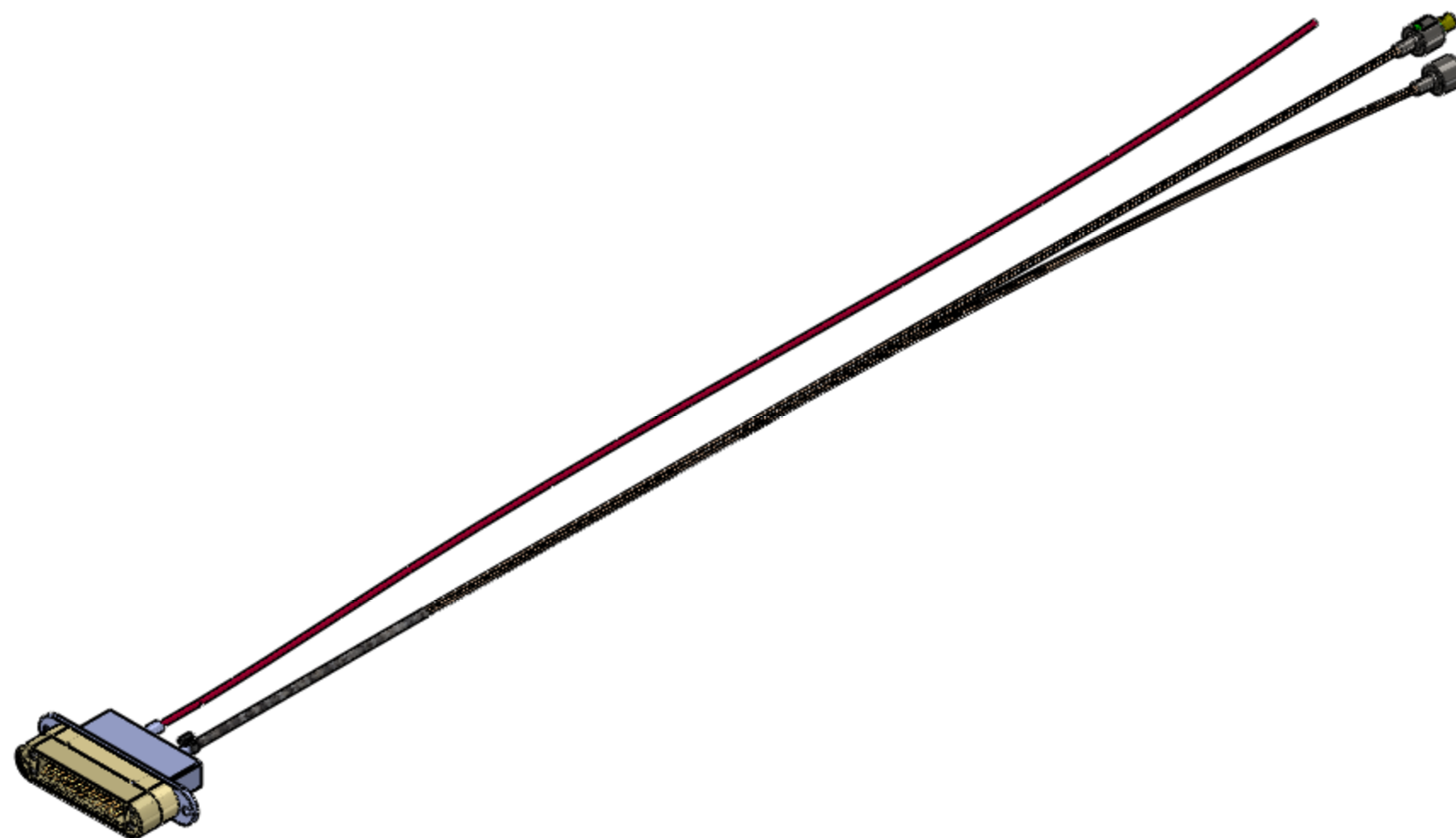


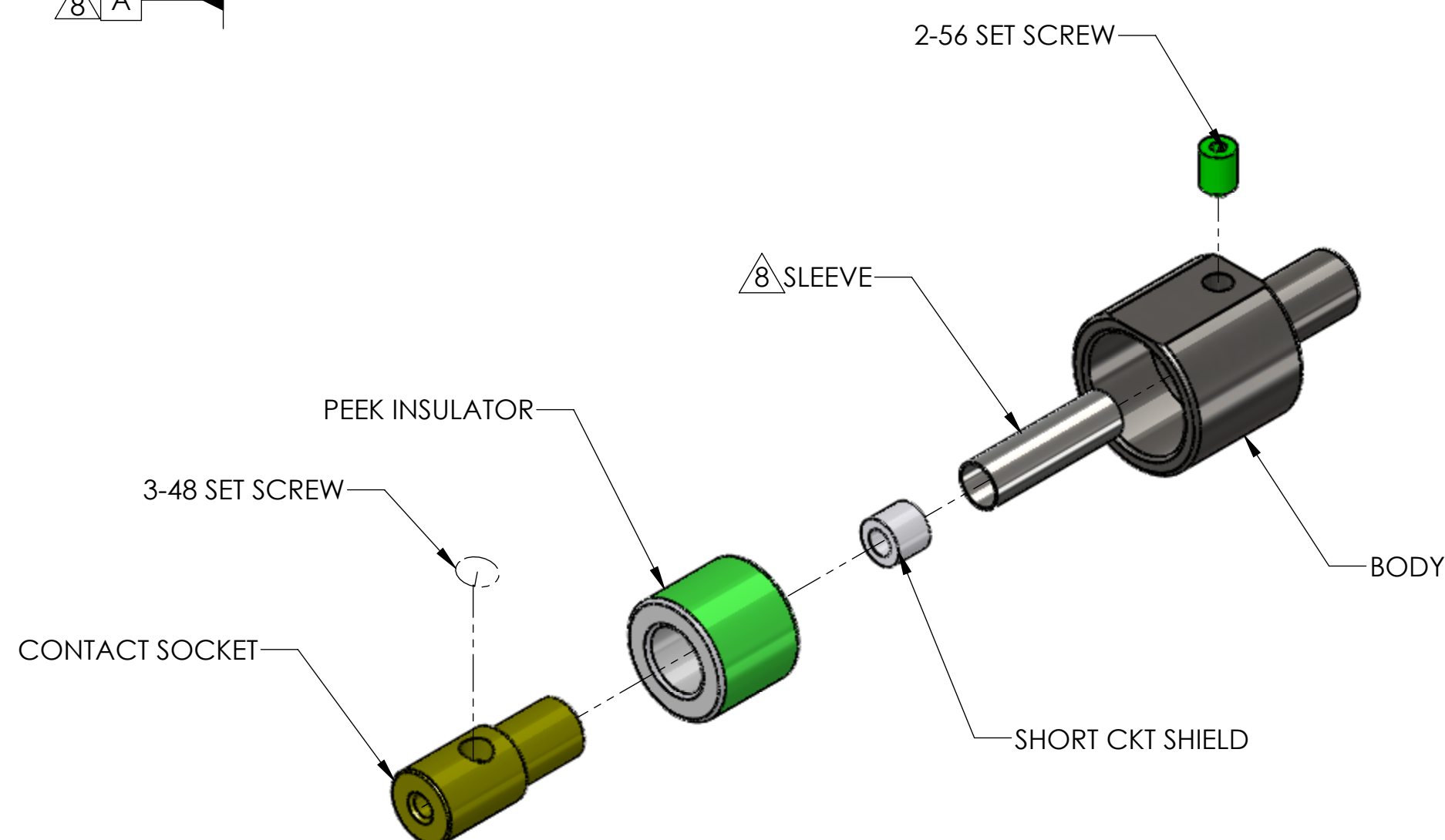
- NOTES CONTINUED:**
- BAG AND TAG WITH DRAWING PART NUMBER, REVISION FOLLOWED ON THE NEXT LINE WITH A THREE DIGIT SERIAL NUMBER. SERIAL NUMBERS START AT 001 FOR THE FIRST ARTICLE AND PROCEED CONSECUTIVELY. USE MINIMUM 0.12" HIGH CHARACTERS, UNLESS THE SIZE OF THE PART DICTATES SMALLER CHARACTERS. EXAMPLE: 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.
 - SPLIT HARNESS AT DATUM 'A' AND CRIMP SPLIT ENDS OF BRAID OF CONDUCTOR TO WIRE SLEEVE OF J2 AND J3 (ITEM 3; SEE ACCU-GLASS PRODUCTS INC, DWG #A111022, TITLE: UE400)
 - BRAID OF ITEM 4 MUST BE CONNECTED TO PIN 1 AND BACK SHELL OF CONNECTOR J1 USING AN ELECTRICALLY CONDUCTIVE AND VACUUM COMPATIBLE MATERIAL. (SEE LIGO SPEC. E0900364)
 - ITEMS 1, 2, 5, 6, AND HARDWARE WILL BE PROVIDED BY LIGO, CALIFORNIA INSTITUTE OF TECHNOLOGY.
 - SEE VENDOR DRAWING: 602237 FOR MODIFICATION DETAILS OF CABLE SPLITS AT DATUM 'A'.
 - 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 #
v1	4-AUG-2010	-	-
-	-	-	-
-	-	-	-



FROM (J1)	TO
J1-PIN1&BODY (ITEM 2) $\triangle 9$	J2 & J3-SLEEVE $\triangle 8$
PINS 2-5	PAIR 1&2, J2, CONTACT SOCKET
PINS 6-9	PAIR 3&42, J3, CONTACT SOCKET
PIN 10	RED (PAIR 1)
PIN 11	BLACK (PAIR 1)
PIN 12	RED (PAIR 2)
PIN 13	BLACK (PAIR 2)
PINS 14 - 25	NOT CONNECTED

ITEM 5



EXPLODED VIEW OF ITEM 3

ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	REQ	SPARE	TOTAL
6	6759	BRAID, BLACK PEEK DRAWN MONOFILAMENT	PEEK	19 IN		19 IN
5	EXGG-4CU-26S	EXGG SERIES 4 CONDUCTOR, RTD WIRE. OMEGA	COPPER	19 IN		19 IN
4	112140	28 AWG-SHIELDED KAPTON INSULATED 4-TWISTED PAIR WIRE	COPPER	23 IN		23 IN
3	111022	USER END 400 CONNECTOR ASSY. ACCU-GLASS	STAINLESS STEEL	2		2
2	LIGO CUSTOM	DB25 CONNECTOR BACK SHELL FOR UHV (WITH VENT HOLE)	STAINLESS STEEL	1		1
1	LIGO CUSTOM	DB25 MALE CONNECTOR FOR UHV	PEEK	1		1

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.	
DIMENSIONS ARE IN INCHES	
TOLERANCES:	
.XX ± .01	
.XXX ±	
ANGULAR ± °	
MATERIAL	N/A
FINISH	N/A μinch

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SYSTEM: ADVANCED LIGO SUB-SYSTEM: AOS NEXT ASSY: D1001517

PART NAME: Cable Assy, Upper Heater

DESIGNER	M. JACOBSON	7/26/2010	SIZE	DWG. NO.	REV.
DRAFTER	A. COLE	7/26/2010	D	D1001518	v1
CHECKER	S. O'CONNOR	07/26/2010	SCALE: 1:8	PROJECTION:	SHEET 1 OF 1
APPROVAL	M. JACOBSON	7/26/2010			