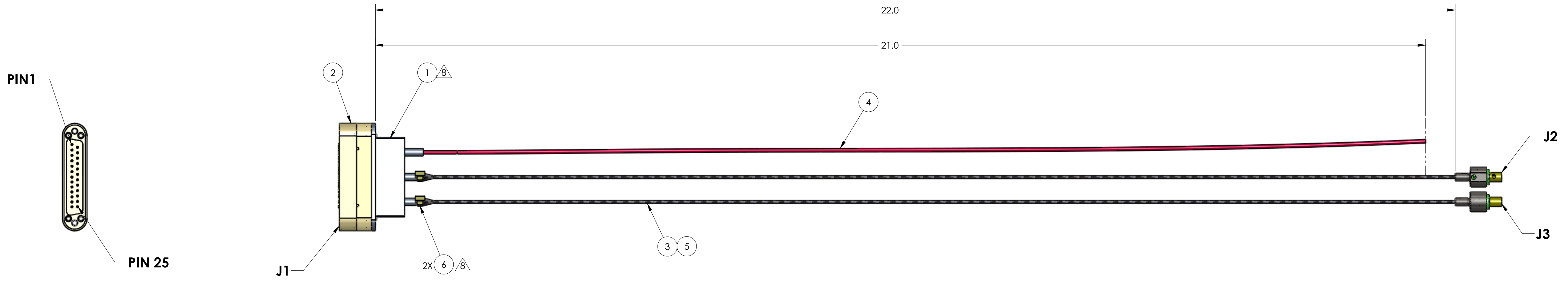


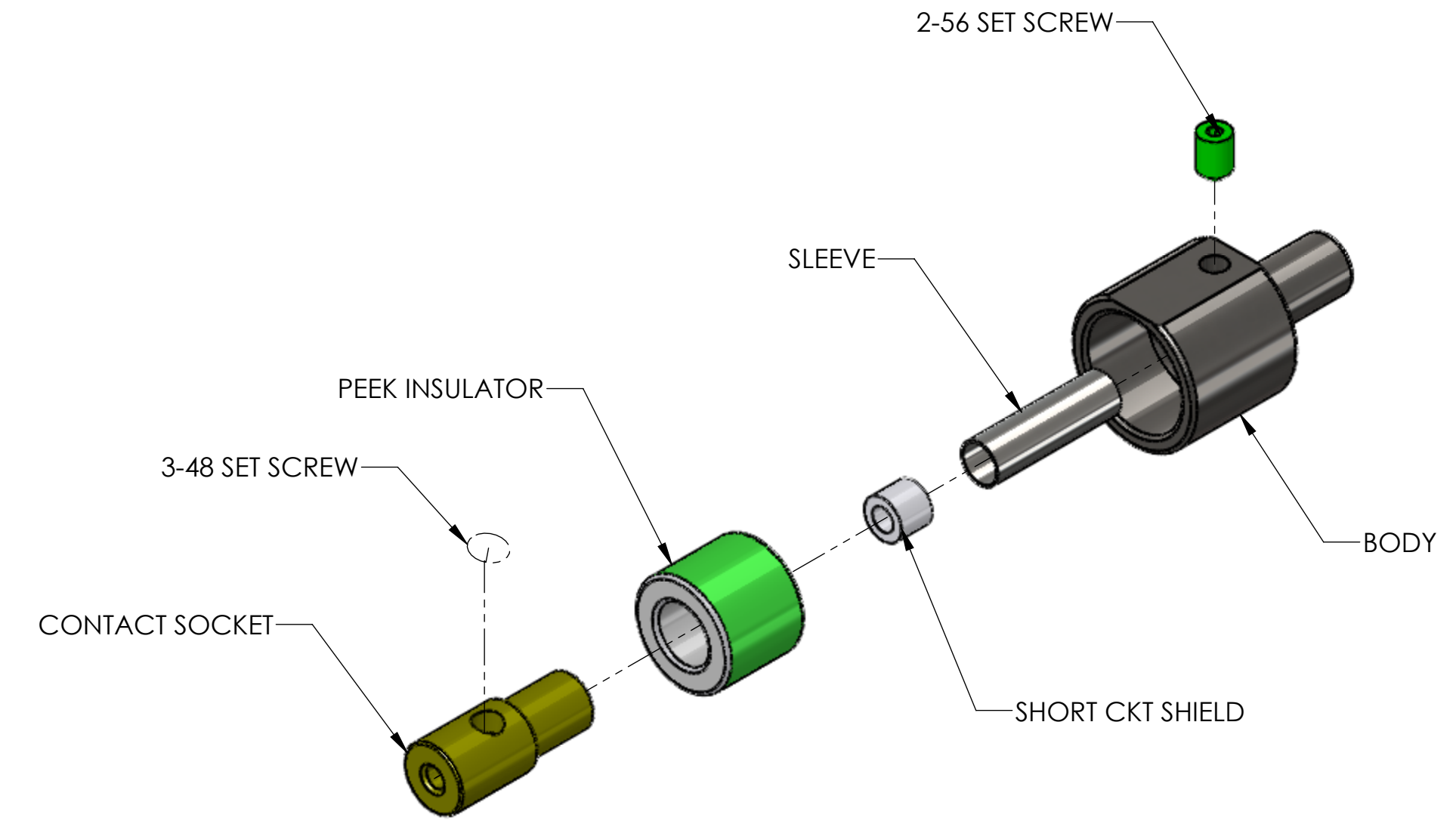
- NOTES CONTINUED:**
- BAG AND TAG WITH DRAWING PART NUMBER, REVISION FOLLOWED ON THE NEXT LINE WITH A THREE DIGIT SERIAL NUMBER. SERIAL NUMBERS START AT 001 FOR THE FIRST ARTICLE AND PROCEED CONSECUTIVELY. USE MINIMUM 0.12" HIGH CHARACTERS, UNLESS THE SIZE OF THE PART DICTATES SMALLER CHARACTERS. EXAMPLE: 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.
  - BRAID OF ITEM 3 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, 4, 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 #
v1	4-AUG-2010	-	-
v2	24 AUG-2010	-	-
v3	26-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&4, 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 4



EXPLODED VIEW OF J2 AND J3 OF ITEM 3

ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	REQ	SPARE	TOTAL
6	600-052	STANDARD CLAMPING BAND	STAINLESS STEEL	2		2
5	111167	PEEK BRAIDED SHIELDING, .187IN ID. ACCU-GLASS	PEEK	24 IN		24 IN
4	EXGG-4CU-26S	EXGG SERIES 4 CONDUCTOR, RTD WIRE. OMEGA	COPPER	19 IN		19 IN
3	602257	CUSTOM CABLE ASSEMBLY. ACCU-GLASS	COPPER	24 IN		24 IN
2	LIGO CUSTOM	DB25 MALE CONNECTOR FOR UHV	PEEK	1		1
1	LIGO CUSTOM	DB25 CONNECTOR BACKSHELL, VENT HOLE, NO FLANGE	STAINLESS STEEL	1		1

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)

- INTERPRET DRAWING PER ASME Y14.5-1994.
- REMOVE ALL SHARP EDGES, R.02 MIN.
- DO NOT SCALE FROM DRAWING.
- 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
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**LIGO** CALIFORNIA INSTITUTE OF TECHNOLOGY  
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SYSTEM: ADVANCED LIGO      SUB-SYSTEM: AOS

PART NAME: Cable Assy, Upper Heater

DESIGNER	M. JACOBSON	7/26/2010	SIZE	DWG. NO.	REV.
DRAFTER	A. COLE	7/26/2010	D	D1001518	v3
CHECKER	S. O'CONNOR	07/26/2010	SCALE: 1:8	PROJECTION:	SHEET 1 OF 1
APPROVAL	M. JACOBSON	7/26/2010			

D1001518\_Cable Assy, Upper Heater, PART PDM REV: X-006, DRAWING PDM REV: X-024