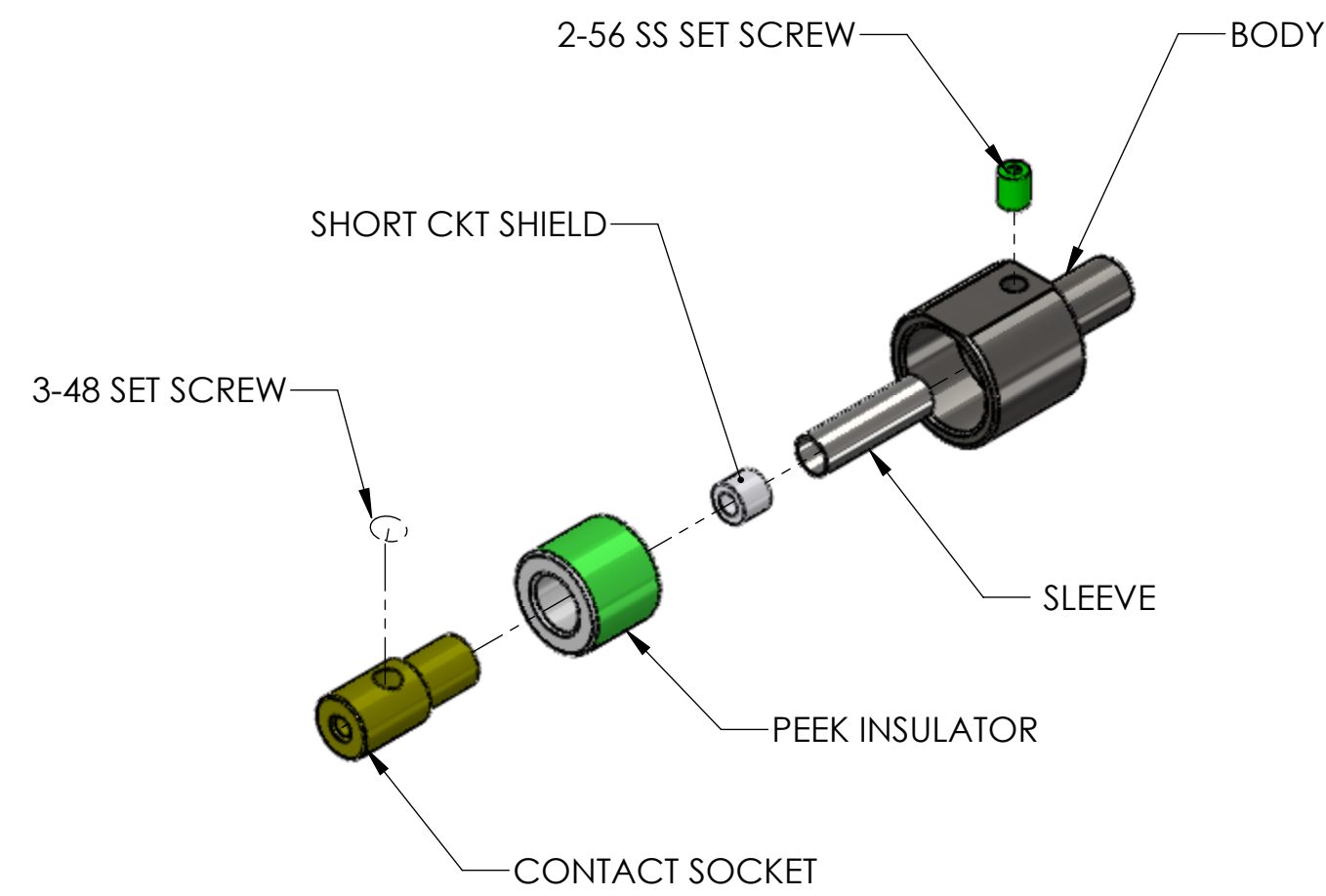
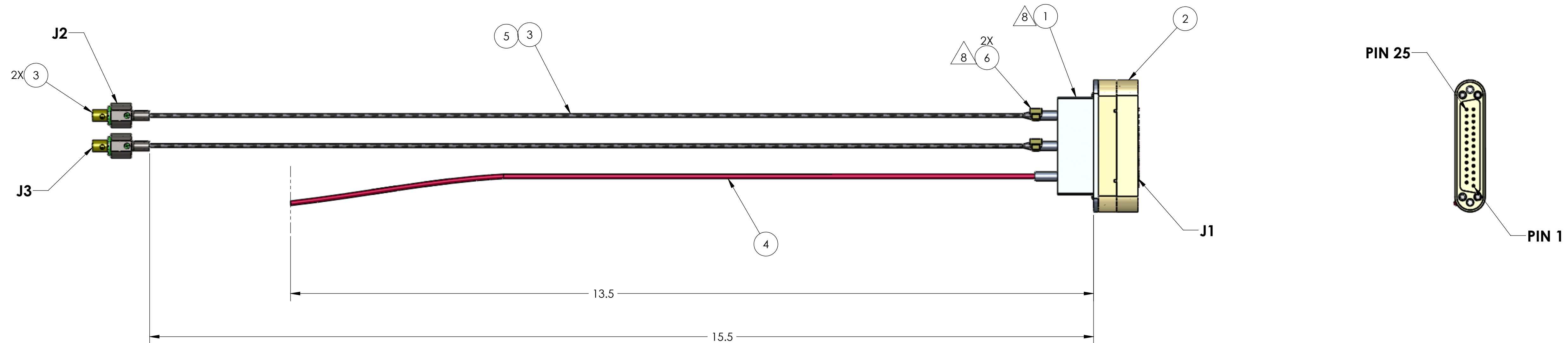
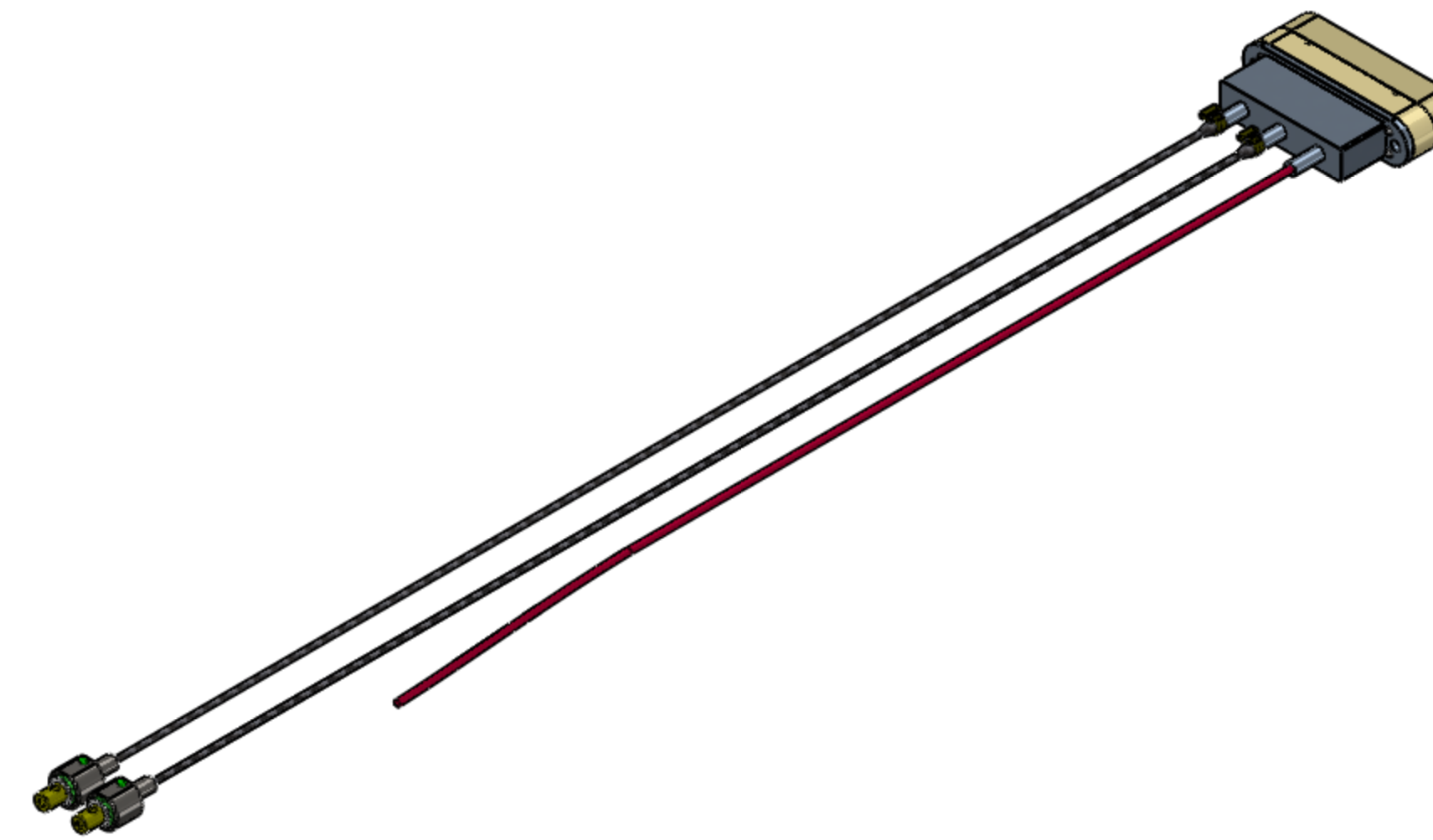


- NOTES CONTINUED:
- BAG AND TAG WITH DRAWING PART NUMBER, REVISION FOLLOWED ON THE NEXT LINE WITH A THREE DIGIT SERIAL NUMBER. SERIAL NUMBERS START AT 001 FOR THE FIRST ARTICLE AND PROCEED CONSECUTIVELY. USE MINIMUM 0.12" HIGH CHARACTERS, UNLESS THE SIZE OF THE PART DICTATES SMALLER CHARACTERS. EXAMPLE: 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		



EXPLODED VIEW OF J2 AND J3 OF ITEM 3



FROM (J1)	TO
1-PIN1&BODY (ITEM 2) ⁹	J2 & J3-SLEEVE 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 4

ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	REQ	SPARE	TOTAL
6	600-052	STANDARD CLANPING BAND, GLENAIR	STAINLESS STEEL	2		2
5	111167	PEEK BRAIDED SHIELDING, .187IN ID. ACCU-GLASS	PEEK	17 IN		17 IN
4	EXGG-4CU-26S	EXGG SERIES 4 CONDUCTOR, RTD WIRE. OMEG	COPPER	15 IN		15 IN
3	602258	CUSTOM CABLE ASSEMBLY, ACCU-GLASS	COPPER	17 IN		17 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)	
DIMENSIONS ARE IN INCHES	
TOLERANCES: .XX ± .01 .XXX ±	
ANGULAR ± 0.1°	
MATERIAL	N/A
FINISH	N/A μinch

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SYSTEM: ADVANCED LIGO SUB-SYSTEM: AOS

PART NAME: Cable Assy, Lower Heater

DESIGNER: A.COLE 7/26/2010 SIZE: DWG. NO. D1001519 REV. v3

DRAFTER: A.COLE 7/26/2010

CHECKER: S.O'CONNOR 07/26/2010

APPROVAL: M.JACOBSON 7/26/2010

SCALE: 1:4 PROJECTION: SHEET 1 OF 1

D1001519_Cable Assy Lower Heater PART PDM REV: X-008 DRAWING PDM REV: X-015