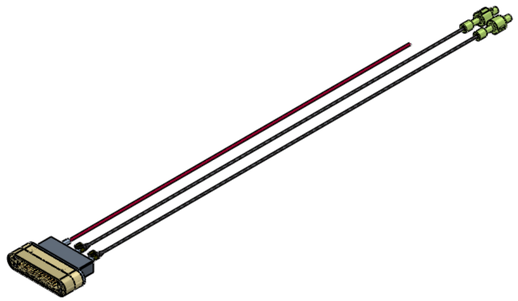
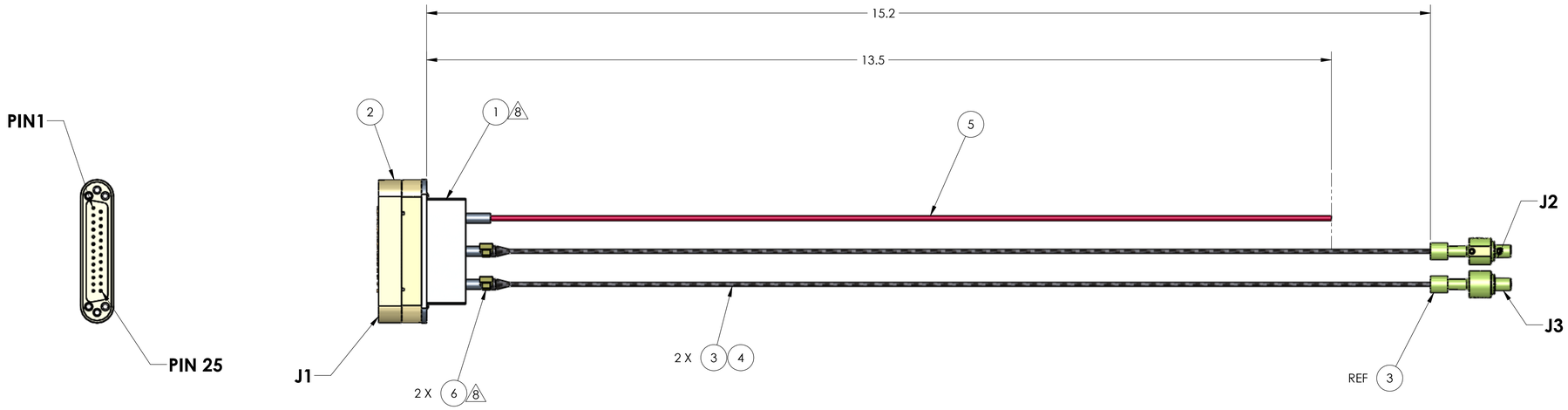
NOTES CONTINUED:

5. 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: DXXXXXXX-VY, TYPE-XX, S/N XXX
6. MACHINE ALL SURFACES TO REMOVE OXIDES AND MILL FINISH, USE OF ABRASIVE REMOVAL TECHNIQUES IS NOT ALLOWED.
7. ALL PARTS SHALL BE MANUFACTURED IN ACCORDANCE WITH LIGO SPECIFICATION E0900364.
8. 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)
9. ITEMS 1, 2 ,4,5 AND HARDWARE WILL BE PROVIDED BY LIGO, CALIFORNIA INSTITUTE OF TECHNOLOGY.
10. 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	-	-
v4	29-SEPT-2010	-	-
v5	07-OCT-2010		





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

ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	REQ	SPARE	TOTAL
(REF) 7	1111555	CABLE TIE. ACCU-GLASS	PEEK	4		4
6	600-052	STANDARD CLAMPING BAND. GLENAIR	STAINLESS STEEL	2		2
5	EXGG-4CU-26S	EXXGG SERIES 4 CONDUCTOR, RTD WIRE. OMEGA	COPPER	15 IN		15 IN
4	111167	PEEK BRAIDED SHIELDING, .187IN ID. ACCU-GLASS	PEEK	17 IN		17 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

PARTS LIST

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)

DIMENSIONS ARE IN INCHES

TOLERANCES:
.XX ± .10
.XXX ±

ANGULAR ± °

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.

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	A.Cole	7/16/2010	
DRAFTER	A.COLE	7/26/2010	
CHECKER	S. O'CONNOR	07/26/2010	
APPROVAL	M. JACOBSON	7/26/2010	

SIZE: D
DWG. NO.: D1001518
REV.: v5
SCALE: 1:8
PROJECTION:
SHEET 1 OF 1

D1001518_Cable Assy, Upper Heater, PART PDM REV- X.015, DRAWING PDM REV- X.028