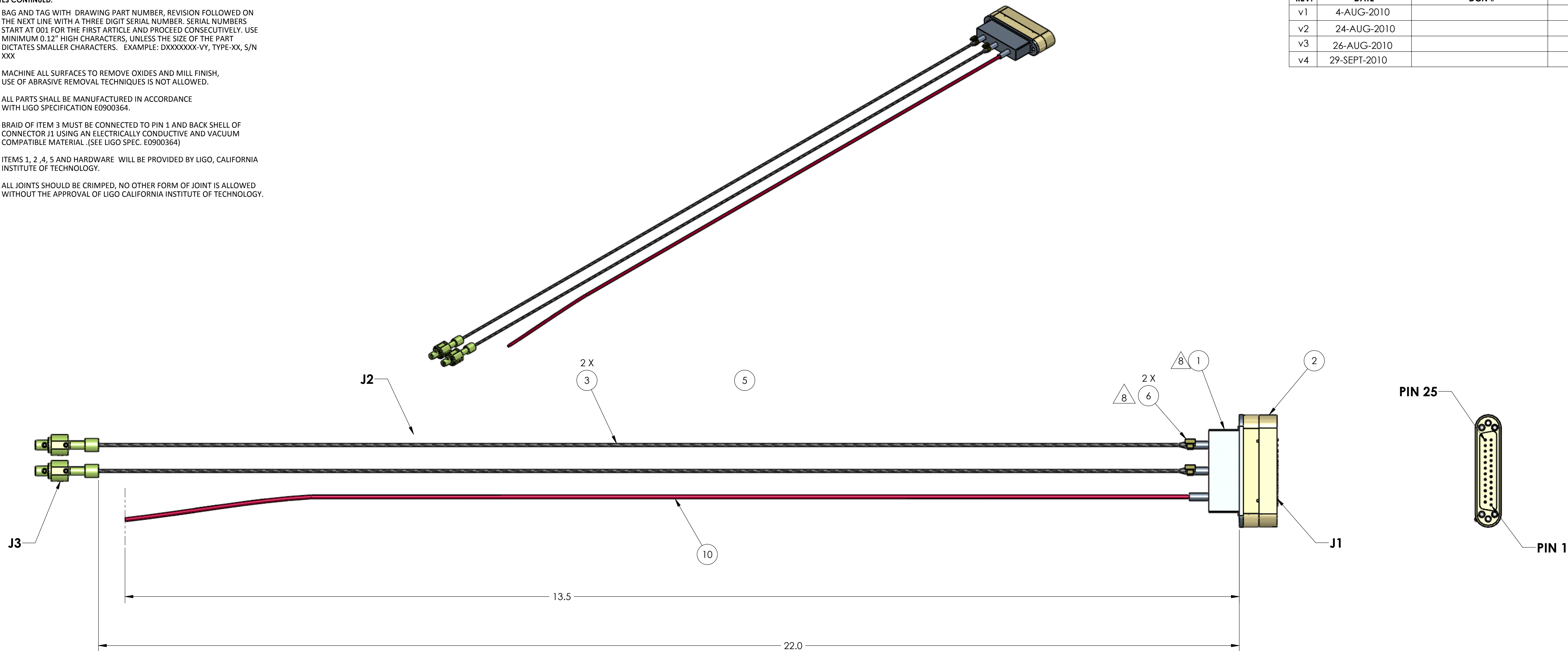


- NOTES CONTINUED:
- BAG AND TAG WITH DRAWING PART NUMBER, REVISION FOLLOWED ON THE NEXT LINE WITH A THREE DIGIT SERIAL NUMBER. SERIAL NUMBERS START AT 001 FOR THE FIRST ARTICLE AND PROCEED CONSECUTIVELY. USE MINIMUM 0.12" HIGH CHARACTERS, UNLESS THE SIZE OF THE PART DICTATES SMALLER CHARACTERS. EXAMPLE: 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		
v4	29-SEPT-2010		



FROM (J1)	TO
1-PIN1&BODY (ITEM 2) ⚠️	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)
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
10	EXGG-4CU-26S	EXGG SERIES 4 CONDUCTOR, RTD WIRE. OMEGA	Material <not specified>	1		1
(REF) 7	111155	CABLE TIE. ACCU-GLASS	PEEK	4		4
6	600-052	STANDARD CLAMPING 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. OMEGA	COPPER	15 IN		15 IN
3	6022258	CUSTOM CABLE ASSEMBLY	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	FINISH
N/A	N/A μinch

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME	
SYSTEM	ADVANCED LIGO	Cable Assy, Lower Heater	
SUB-SYSTEM	AOS	DESIGNER	A.Cole 7/26/2010
NEXT ASSY	D1001517	DRAFTER	A.COLE 7/26/2010
		CHECKER	S.O'CONNOR 07/26/2010
		APPROVAL	M.JACOBSON 7/26/2010
SIZE	D	DWG. NO.	D1001519
SCALE	1:4	PROJECTION	
REV.	v4	SHEET 1 OF 1	

D1001517\_Cable Assy Rev 4 Part PDM REV: X-010 DRAWING PDM REV: X-018