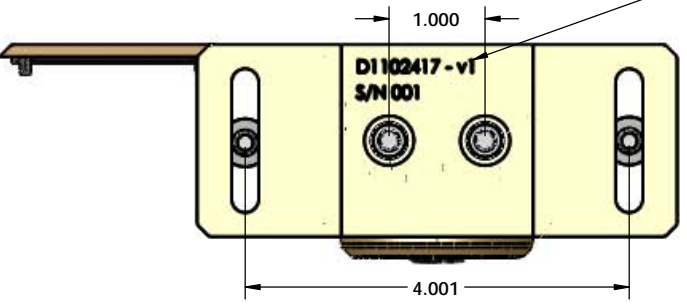
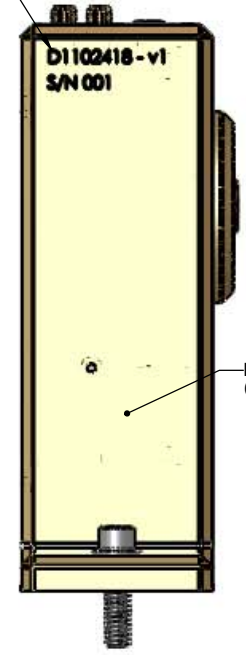
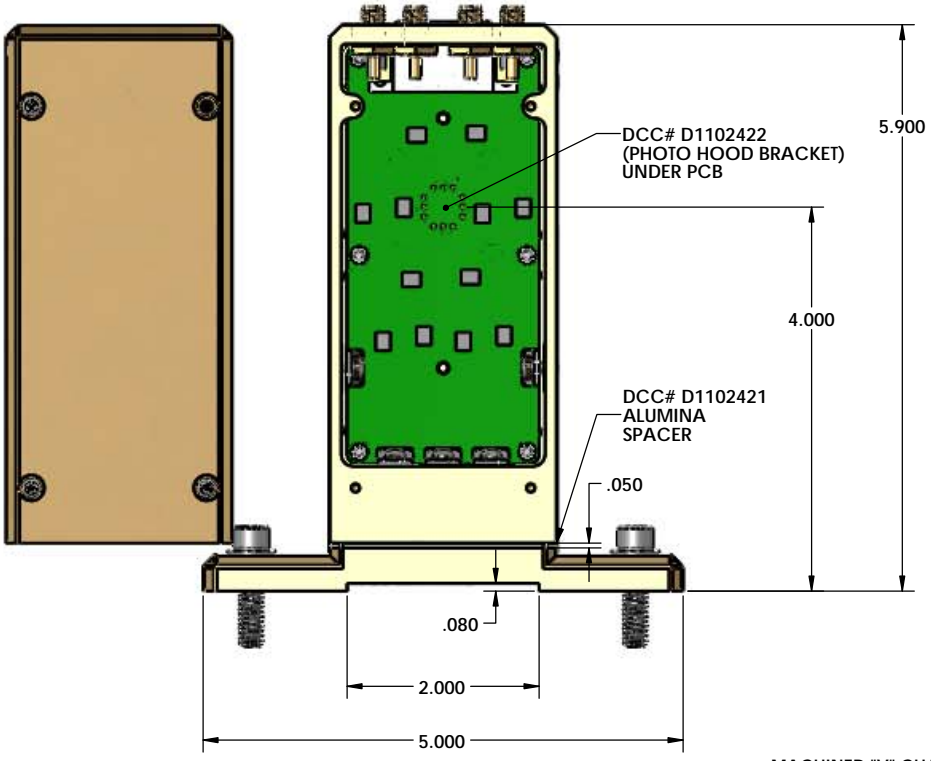
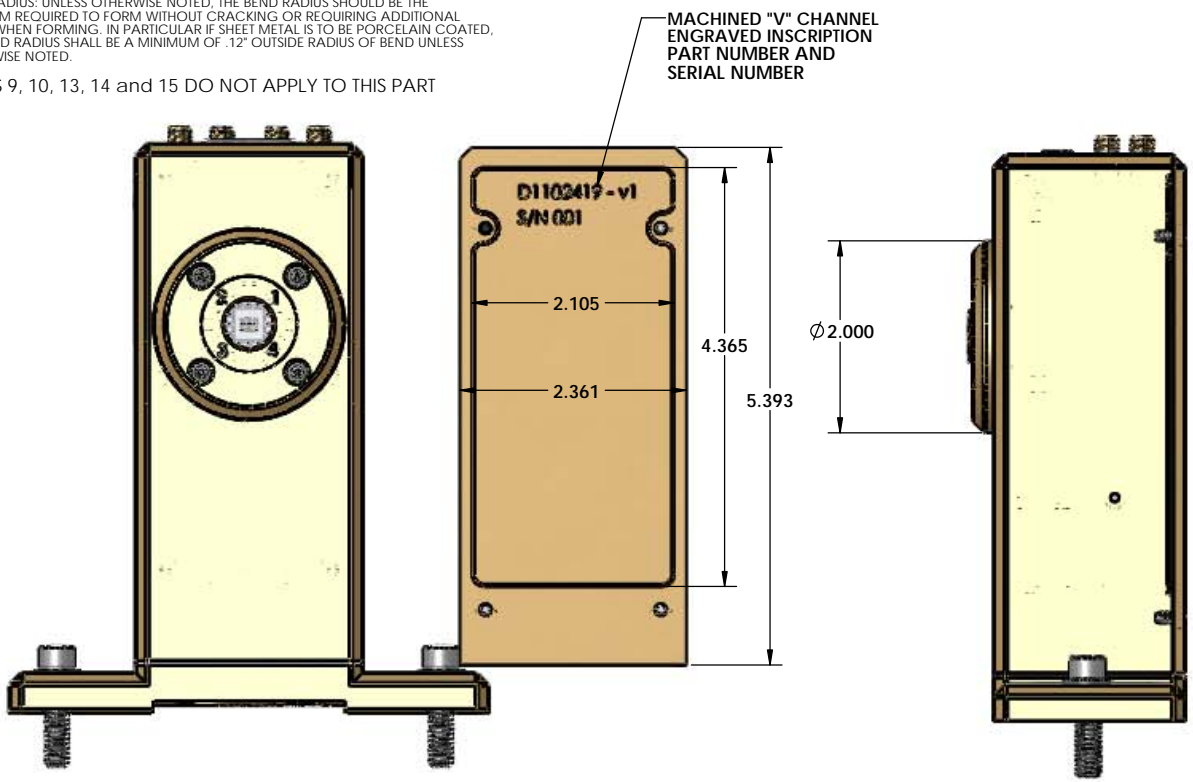
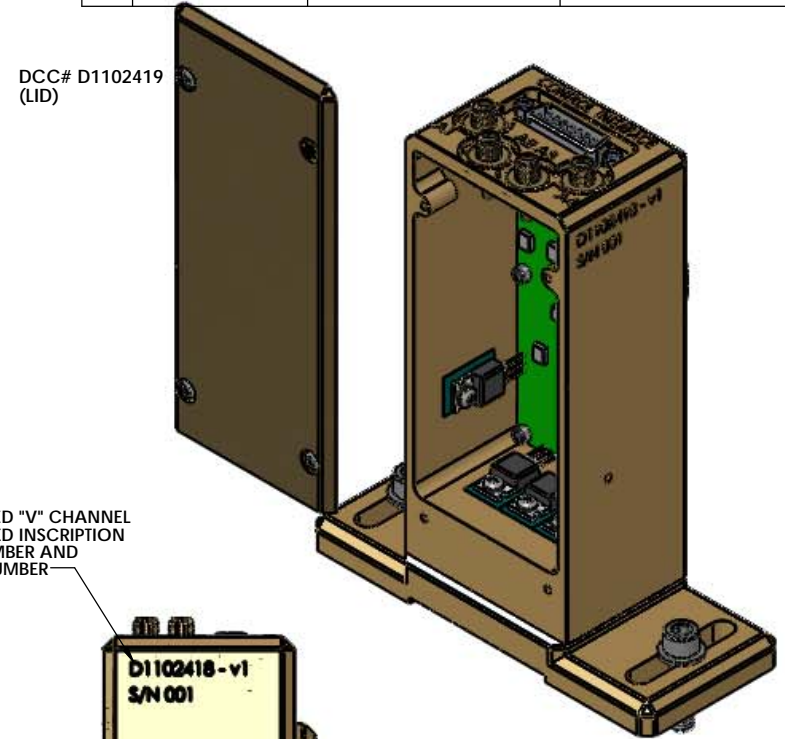
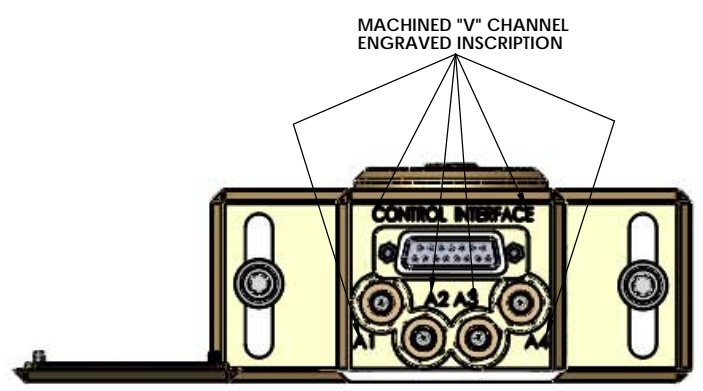


- NOTES CONTINUED:
- SCRIBE, ENGRAVE (A VIBRATORY TOOL MAY BE USED), LASER MARK OR MECHANICALLY STAMP (NO INKS OR DYES) DRAWING PART NUMBER, REVISION (AND VARIANT OR "TYPE" IF APPLICABLE) ON NOTED SURFACE OF PART FOLLOWED ON THE NEXT LINE WITH A THREE DIGIT SERIAL NUMBER. SERIAL NUMBERS START AT 001 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
 - APPROXIMATE WEIGHT = X.XXX LB.
 - MACHINE ALL SURFACES TO REMOVE OXIDES AND MILL FINISH. USE OF ABRASIVE REMOVAL TECHNIQUES IS NOT ALLOWED. REFER TO LIGO-E0900364
 - ALL PARTS SHALL BE MANUFACTURED IN ACCORDANCE WITH LIGO SPECIFICATION E0900364.
 - ALL HELI-COIL HOLES TO BE PREPARED ACCORDING TO EMHART HELI-COIL PRODUCT CATALOG, HC2000, REV 4
 - ALL HELI-COIL INSERTS TO BE INSTALLED BY LIGO PERSONNEL. AFTER DELIVERY OF FINISHED PARTS, USE NITRONIC 60 THREADED INSERTS.
 - ALL MATERIAL IS TO BE VIRGIN MATERIAL (i.e. NO WELD REPAIRS, PLUGS OR RECYCLED MATERIAL). NO REPAIRS SHALL BE MADE UNLESS APPROVED IN ADVANCE, AND IN WRITING, BY LIGO LABORATORY. REFER TO LIGO-E0900364.
 - SURFACE FINISH TO BE AS-PROCESSED FROM MILL/SUPPLIER, FREE FROM SCRATCHES OR GOUGES.
 - PART WILL BE PORCELAIN COATED PER LIGO SPECIFICATION E1000083 AFTER FABRICATION. THE INDICATED HOLES WILL BE MASKED PRIOR TO PORCELAIN COATING TO APPROXIMATELY 2.5-3X HOLE DIAMETER CENTERED ON BOTH SIDES OF THE HOLE.
 - DIMENSIONS APPLY BEFORE PORCELAIN COATING UNLESS SPECIFIED.
 - BEND RADIUS: UNLESS OTHERWISE NOTED, THE BEND RADIUS SHOULD BE THE MINIMUM REQUIRED TO FORM WITHOUT CRACKING OR REQUIRING ADDITIONAL WORK WHEN FORMING. IN PARTICULAR IF SHEET METAL IS TO BE PORCELAIN COATED, THE BEND RADIUS SHALL BE A MINIMUM OF .12" OUTSIDE RADIUS OF BEND UNLESS OTHERWISE NOTED.
- NOTES 9, 10, 13, 14 and 15 DO NOT APPLY TO THIS PART

REV.	DATE	DCN #	DRAWING TREE #
-	-	-	-
-	-	-	-
-	-	-	-



INTERCHANGEABILITY LISTING				
AS OF THIS DATE	THIS DCC # (PART NUMBER)	IS EQUIVALENT TO	THIS DCC # (PART NUMBER)	WITH THESE DIFFERENCES
FEB/21/2012	D1102417-v1 (BASE)	=	D1101175-v2 (BASE)	DIFFERENT ENGRAVED PART #
FEB/21/2012	D1102418-v1 (MAIN BODY)	NONE		
FEB/21/2012	D1102419-v1 (LID)	=	D1101177-v4 (LID)	DIFFERENT ENGRAVED PART #
FEB/21/2012	D1102420-v1 (PHOTO HOOD)	=	D1101204-v3 (PHOTO HOOD)	
FEB/21/2012	D1102421-v1 (ALUMINA SPACER)	=	D1101179-v (ALUMINA SPACER)	
FEB/21/2012	D1102422-v1 (PEEK SPACER)	=	D1101206-v3 (PEEK SPACER)	

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)				LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME SINGLE CHANNEL IN-AIR WFS - TOP ASSEMBLY					
1. INTERPRET DRAWING PER ASME Y14.5-1994. 2. REMOVE ALL SHARP EDGES, .005-.015, FOR MACHINED PARTS. ROUND ALL EDGES APPROXIMATELY R.02 FOR SHEET METAL PARTS. 3. DO NOT SCALE FROM DRAWING. 4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORINE.				SYSTEM	SUB-SYSTEM	DESIGNER	R. ABBOTT	FEB/21/2012	SIZE	DWG. NO.	REV.
DIMENSIONS ARE IN					ISC	DRAFTER	E. BROWN		D	D1102416	v2
TOLERANCES:				MATERIAL	FINISH	CHECKER					
.XX ±				N/A	N/A μinch	APPROVAL					
.XXX ±											
ANGULAR ± °											
								SCALE: 1:1	PROJECTION:		SHEET 1 OF 1

D1102416-v2 SINGLE CHANNEL WFS IN-AIR Encoder FULL ASSEMBLY WITH PCB PART PDM REV. X-002 DRAWING PDM REV. X-001