REVISION ON NOTÉD SURFACE FOLLOWED ON THE NEXT LINE BY A THREE DIGIT SERIAL NUMBER. SERIAL NUMBERS START AT 001 FOR THE FIRST ARTICLE AND PROCEED CONSECUTIVELY. USE .07" HIGH CHARACTERS. **EXAMPLE:** DXXXXXXX-VY, S/N 001.

VIBRATORY TOOL MAY BE USED. 6. APPROXIMATE WEIGHT = X.XXX LB.

7. MACHINE ALL SURFACES TO REMOVE OXIDES AND MILL FINISH, USE OF ABRASIVE REMOVAL TECHNIQUES IS NOT ALLOWED. REFER TO LIGO-E0900364

8. ALL PARTS SHALL BE MANUFACTURED IN ACCORDANCE WITH LIGO SPECIFICATION E0900364.

9. ALL HELI-COIL HOLES TO BE PREPARED ACCORDING TO EMHART HELI-COIL PRODUCT CATALOG, HC2000, REV 4

10. ALL HELI-COIL INSERTS TO BE INSTALLED BY LIGO PERSONNEL,

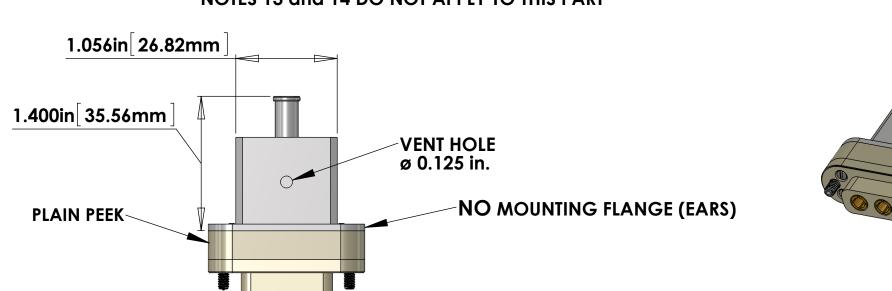
11. ALL MATERIAL IS TO BE VIRGIN MATERIAL (i.e. NO WELD REPAIRS, PLUGS OR RECYCLED MATERIAL). NO REPAIRS SHALL BE MADE UNLESS APPROVED IN ADVANCE, AND IN WRITING, BY LIGO LABORATORY.

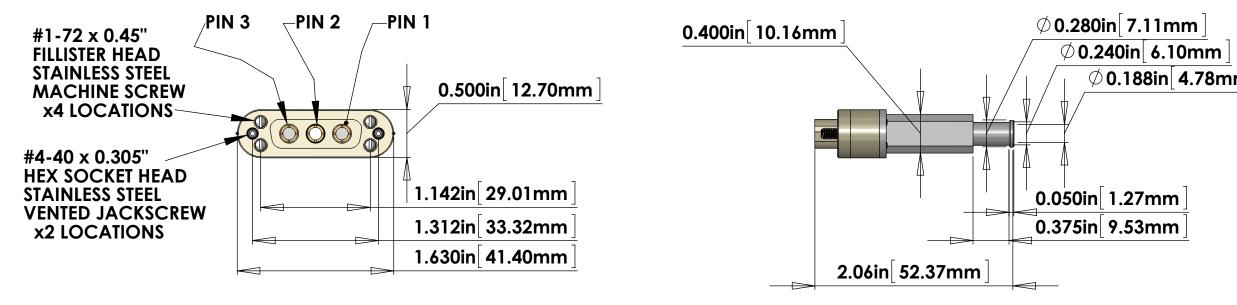
12. SURFACE FINISH TO BE AS-PROCESSED FROM MILL/SUPPLIER, FREE FROM

13. 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

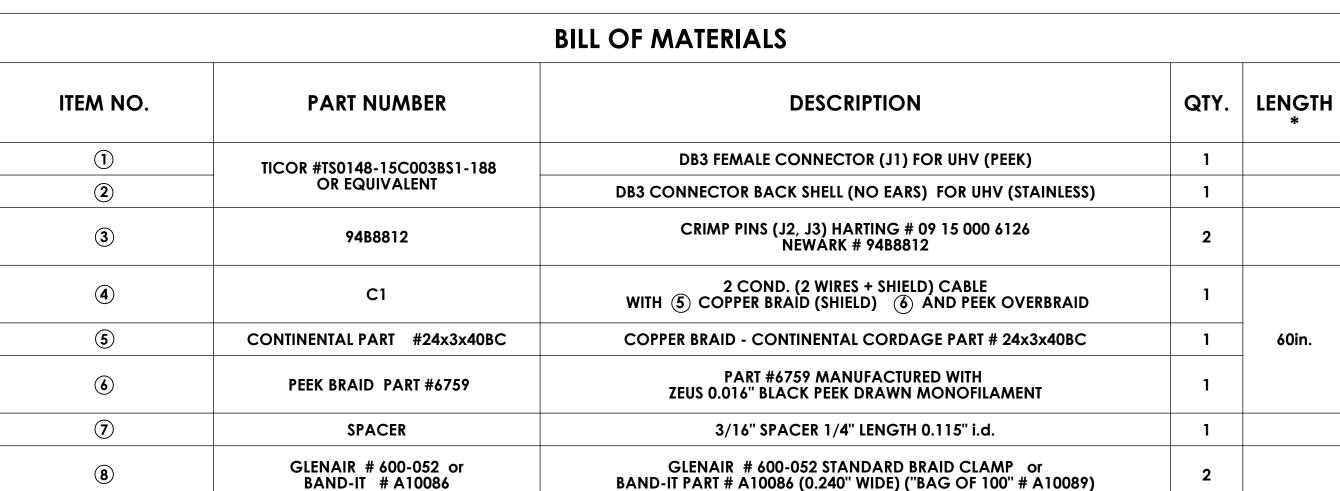
15. BEND RADIUS: UNLESS OTHERWISE NOTED, THE BEND RADIUS SHOULD BE THE MINIMUM REQUIRED TO FORM WITHOUT CRACKING OR REQUIRING ADDITIONAL WORK WHEN FORMING. IN PARTICULAR IF SHEET METAL IS TO BE PORCELAIN COATED, THE BEND RADIUS SHALL BE A MINIMUM OF .12" OUTSIDE RADIUS OF BEND UNLESS

NOTES 13 and 14 DO NOT APPLY TO THIS PART





2 CONDUCTOR 14 AWG



COPPER BRAID

1 CONDUCTOR (SHIELD)

* NOTE: THE OVERALL LENGTH IS MEASURED FROM PIN TIP (3 PIN) TO PIN TIP (CRIMP PINS) OF THE CABLE. THE OTHER MEASUREMENT IS SPACER TO PIN TIPS (CRIMP PINS). USE WHATEVER LENGTH IS NECESSARY FOR THE INTERNAL WIRING OF THE CONNECTORS AND STRIP LENGTH TO ACHIEVE THE CORRECT ÓVERALL LENGTHS.

NOTES: (UNLESS OTHERWISE SPECIFIED)

OVERALL CABLE O.D. WILL BE 0.240 IN.

A. MATERIAL: a. CONNECTOR SHELL - PEEK VICTREX 450GL30.

b. BACKSHELL - STAINLESS STEEL WITH VENT HOLE. c. CONTACTS - BERYLLIUM COPPER ALLOY C17300,

0.000050 MIN. GOLD OVER NICKEL.

d. HARDWARE: STAINLESS STEEL, PASSIVATED. e. PEEK BRAID - PEEK VICTREX GRADE TDS-450CA30 CARBON LOADED - SUPPLIED BY LIGO.

CABLE 2 COND. 14 AWG, (STRANDED) WITH 2 LAYERS OF KAPTON TAPE. OVERALL 40AWG COPPER BRAID 50% COVERAGE - SUPPLIED BY LIGO. OVERALL PEEK BRAID MIN. 50% COVERAGE.

C. CONNECTORS WILL BE SUPPLIED WITH HARDWARE. SCREWS SHOULD BE THE PROPER LENGTH FOR MATING.

PEEK OVERBRAID

(INSULATOR)

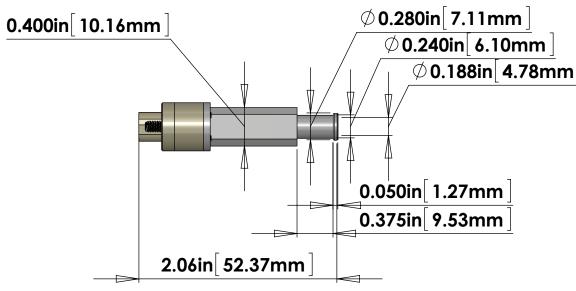
AFTER DELIVERY OF FINISHED PARTS, USE NITRONIC 60 THREADED INSERTS.

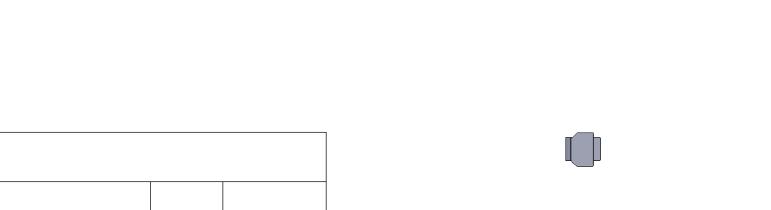
REFER TO LIGO-E0900364.

SCRATCHES OR GOUGES.

CENTERED ON BOTH SIDES OF THE HOLE.

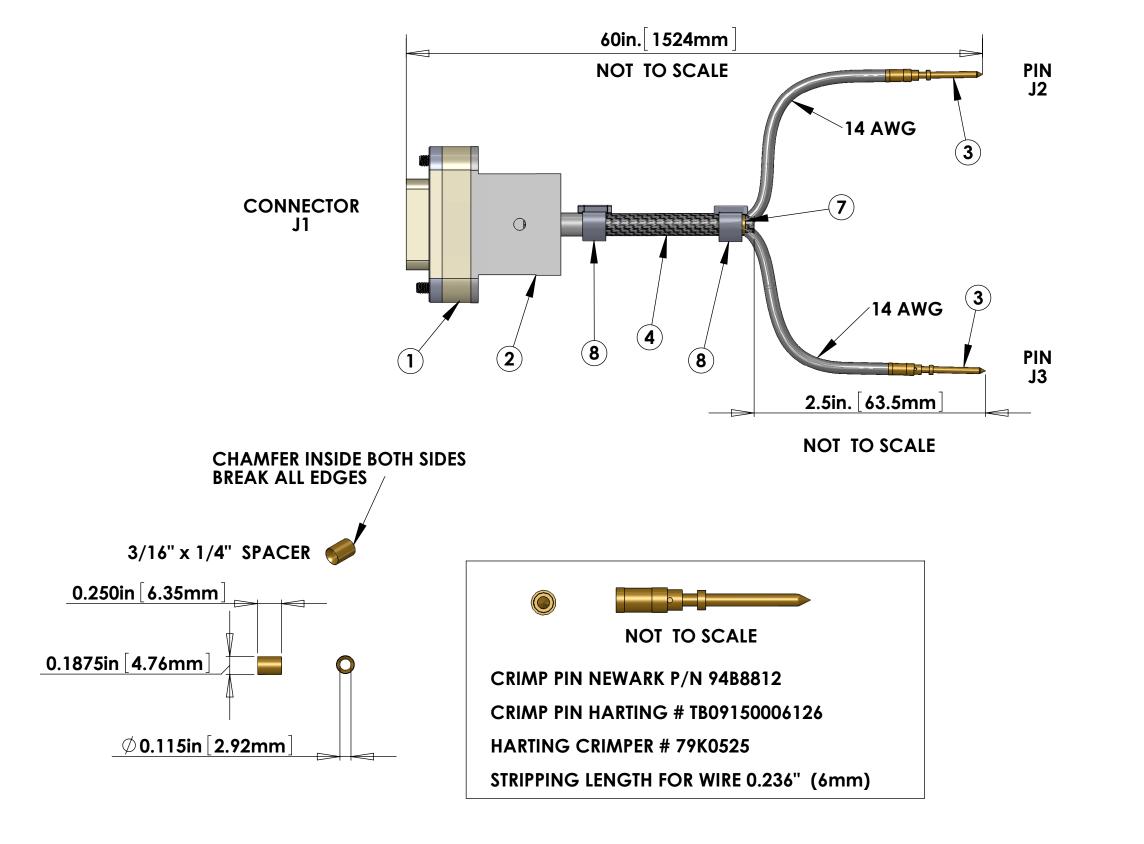
14. <u>DIMENSIONS APPLY BEFORE PORCELAIN COATING UNLESS SPECIFIED.</u>





GLENAIR CLAMPING BANDS # 600-052 (BAND-IT # A10086) x2 LOCATIONS





DATE

DCN#

DRAWING TREE #

	V3A-60 CABLE ASSEMBLY CIRCUIT SUMMARY V-DB3 F/S1-60-2_PIN-94B8812 M/X								
CABLE NAME	WIRE NAME	WIRE SIZE	LENGTH *	FROM	то				
V3A-60									
	SHIELD	COPPER Braid		J1 PIN 1	END OF CABLE				
	W1	14 AWG	60in.	J1 PIN 2	J2				
	W2	14AWG	60in.	J1 PIN 3	J3				

V-DB3	F/S1-60-2_PII	N-94B8812 M/X
ST	ANDARD USE FO	R THIS CABLE
SUBSYSTEM	AIR/VAC	STANDARD USE
SEI	IN-VAC	FROM TABLE TO ISI ACTUATOR

	NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)		ا ا ا ا ا ا	CALLEODNIA INSTITUTE OF TECHNOLOGY	PART NAMI	E					
DIMENSIONS ARE IN	1. INTERPRET DRAWING PER ASME Y14.5-1994. 2. REMOVE ALL SHARP EDGES, .005015. FOR MACHINE ALL EDGES APPROXIMATLEY R.02 FOR SHEET METAL PAI			CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	CU	STOM	CABI	E SP	PECIFICA TO SECULIAR TO SECU	TION V	3A-60
TOLERANCES:	3. DO NOT SCALE FROM DRAWING.		SYSTEM	SUB-SYSTEM	DESIGNER	B. ABBOTT	JUN/05/2012	SIZE DW	G. NO.		REV.
.XX ± .XXX ±	4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FU SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORII			SEI	DRAFTER	E. BROWN	JUN/05/2012	$oxedsymbol{f eta}$	11001	51	V2
ANGULAR±°	MATERIAL	FINISH	NEXT ASSY		CHECKER					JI	V Z
	Material <not specified=""></not>		μinch		APPROVAL			SCALE: 1:	:1 PROJECTION:		SHEET 1 OF 1