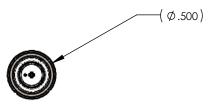
	REV.	DESCRIPTION	DATE	BY	ECO				
	Α	INITIAL RELEASE	10 SEP 2013	K. MARETT	4070				
	В	COMBINED \$2103.01 AND PRM2103 DRAWINGS	5/11/2018	D. WILDING	4699				
	С	UPDATED INSTRUCTIONS FOR CLARITY	12/21/2020	D. WILDING	5073				







NOTES:

- See BOM provided by PCB forcomponent identification. All equivalencies must be approved by PCB engineering.
- See D0001.8362 S2103.01 ASSEMBLY & TEST INSTRUCTIONS for detailed assembly and test procedures for the preamp.
- Completed assembly must be RoHS compliant: USE LEAD-FREE SAC305 SOLDER where applicable.

A PCB PIEZOTRONICS DIV.

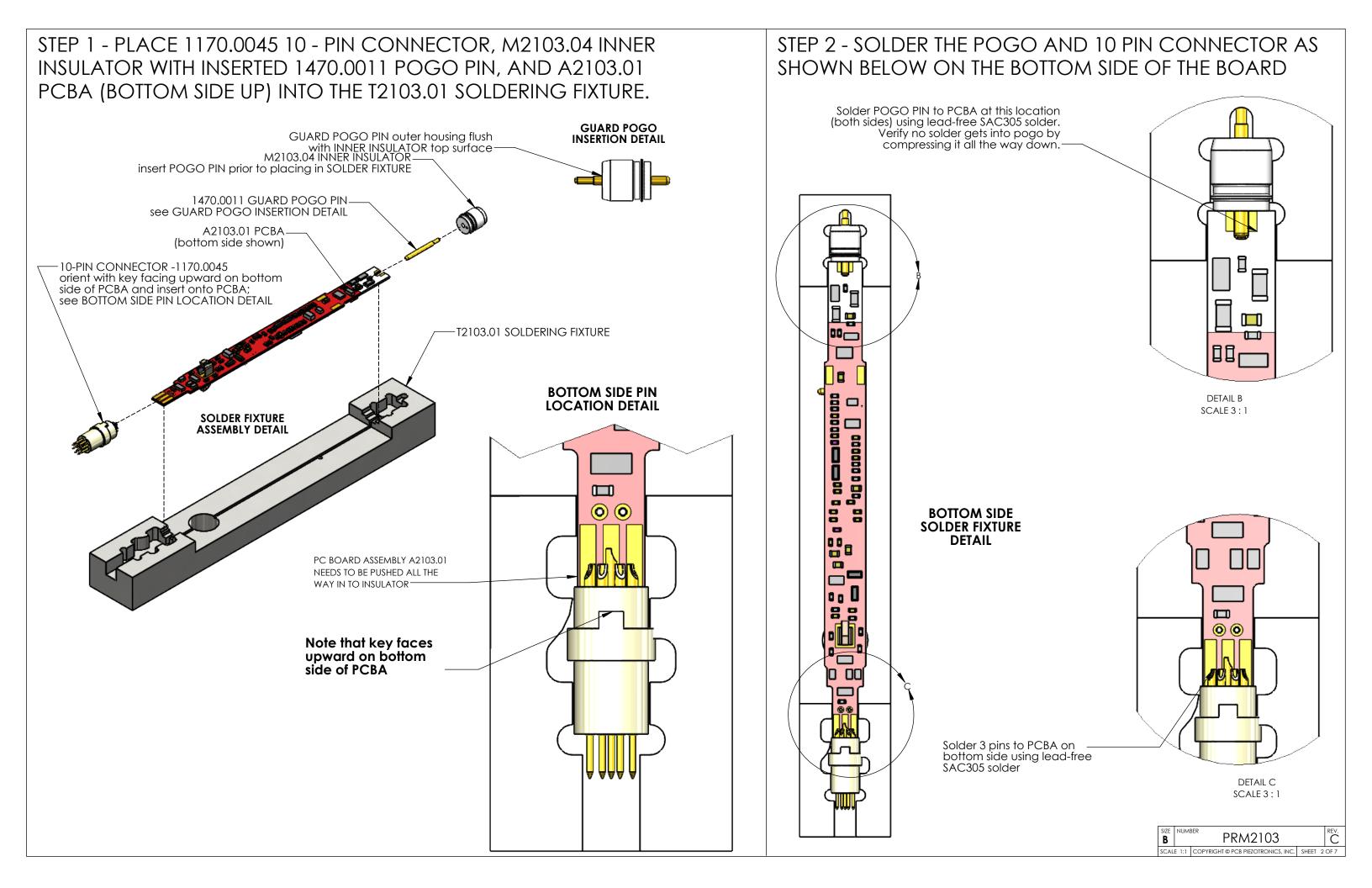
ASSY, 1/2" PREAMP W/ CALIB CHECK

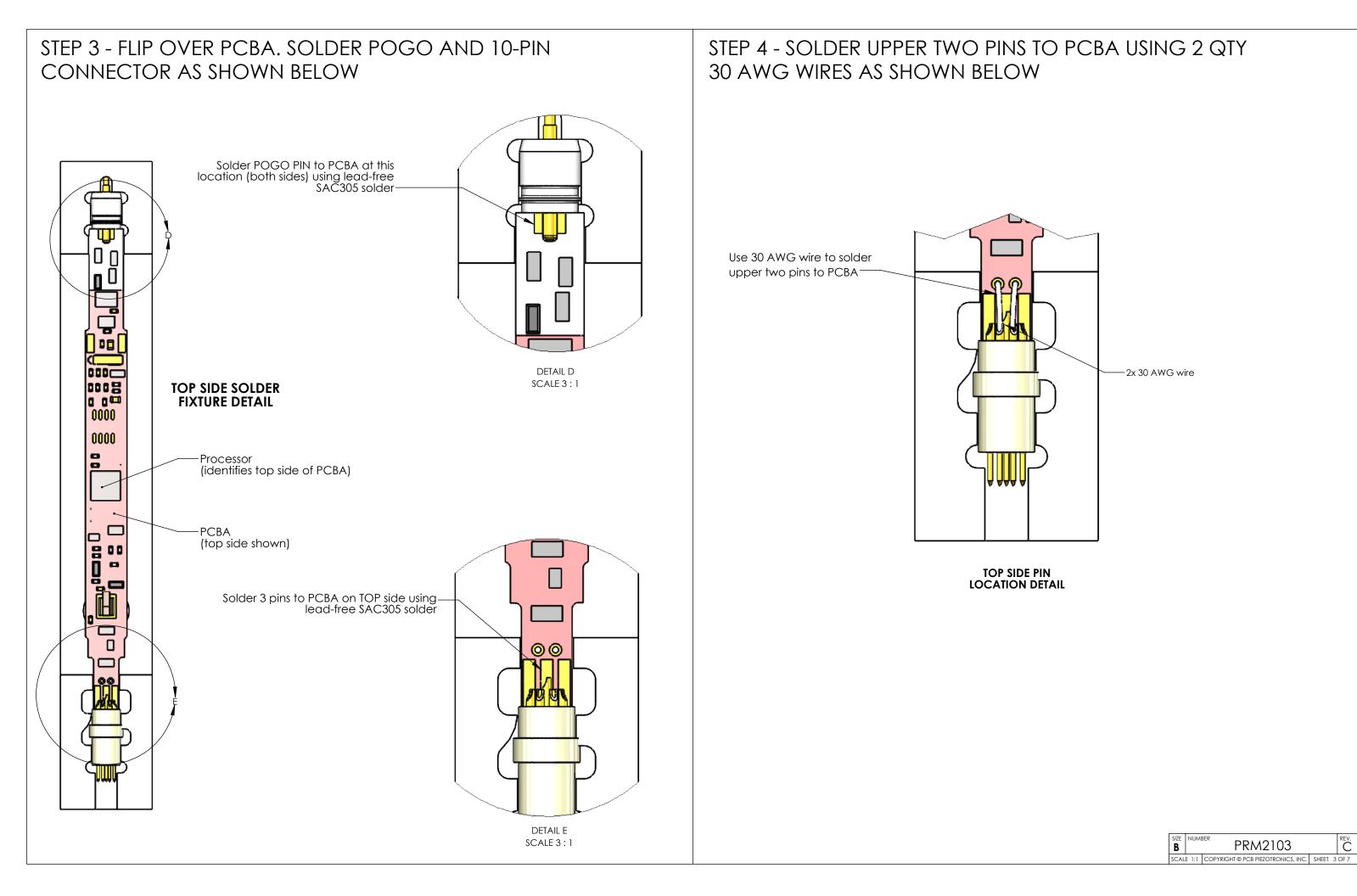
PROPRIETARY AND CONFIDENTIAL THIS DOCUMENT, SUBMITTED IN CONFIDENCE, CONTAINS PROPRIETARY INFORMATION WHICH SHALL NOT BE REPRODUCED OR TRANSFERRED TO OTHER DOCUMENTS OR DISCLOSED TO OTHERS OR USED FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN PERMISSION OF PCB PIEZOTRONICS, INC. THOR K. MARETT 2/22/20

	SIZE	NUMBE	PRM2103
2012	R		FR/VIZ103
201Z	CCAL	F 1.1	

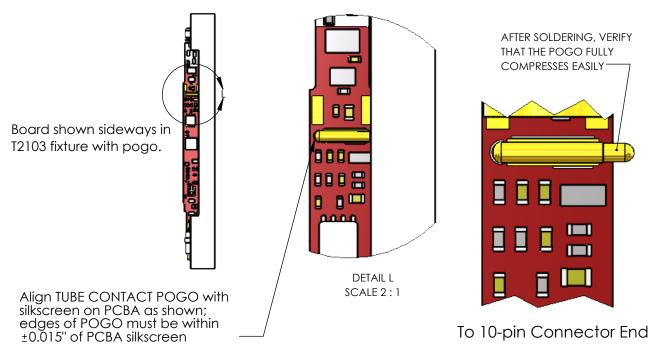
COPYRIGHT © PCB PIEZOTRONICS, INC. | FILE NAME: PRM2103 subassy, 0.5in preamp 10-pin LEMO with calib check

SHEET 1 OF 7





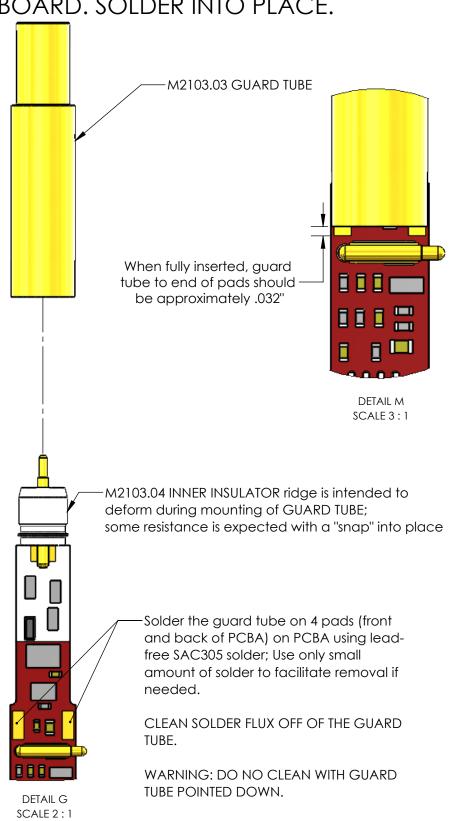
STEP 5 - PLACE PCB SIDEWAYS INTO T2103.01 FIXTURE AND PLACE POGO INTO FIXTURE HOLE. SOLDER THE GROUNDING POGO WHILE IN THE FIXTURE.



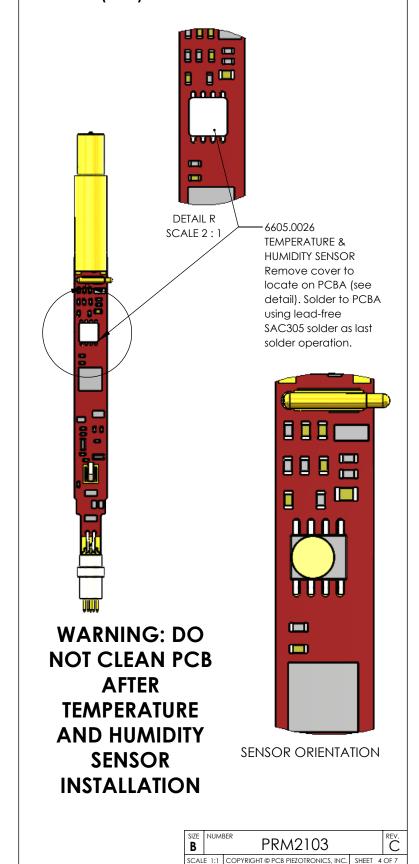
STEP 6 - CLEAN THE BOARD WITH SPRAY ELECTRONICS CLEANER

STEP 7 - PERFORM THE BOARD LEVEL SIGNAL TEST PER SECTION 9.1 IN THE D0001.8362 S2103.01 ASSEMBLY & PRM2103 TEST INSTRUCTION.

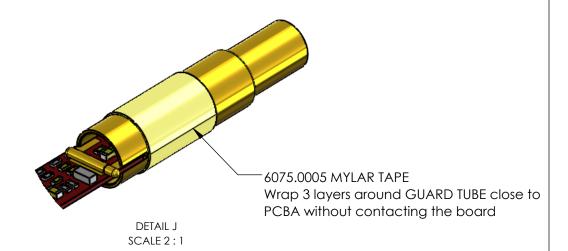
STEP 8 - SLIDE THE GUARD TUBE OVER THE INNER INSULATOR WITH THE GROOVES LINED WITH THE PCBA. TUBE WILL "SNAP" INTO PLACE. DO NOT FORCE FARTHER AND DO NOT TRIM THE BOARD. SOLDER INTO PLACE.



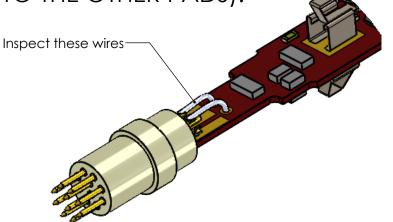
STEP 9 - REMOVE THE HUMIDITY AND TEMPERATURE SENSOR COVER AND SOLDER TO THE PCBA (U2).



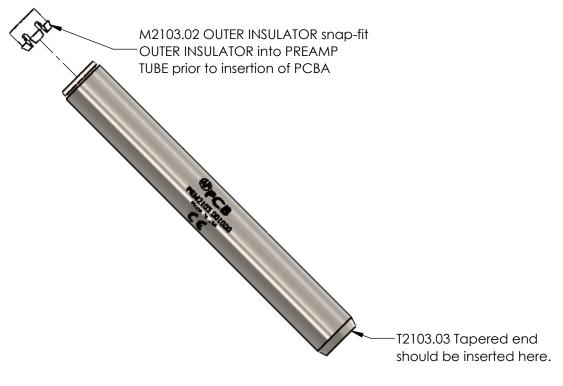
STEP 10 - WRAP THE GUARD TUBE WITH MYLAR TAPE THREE TIMES

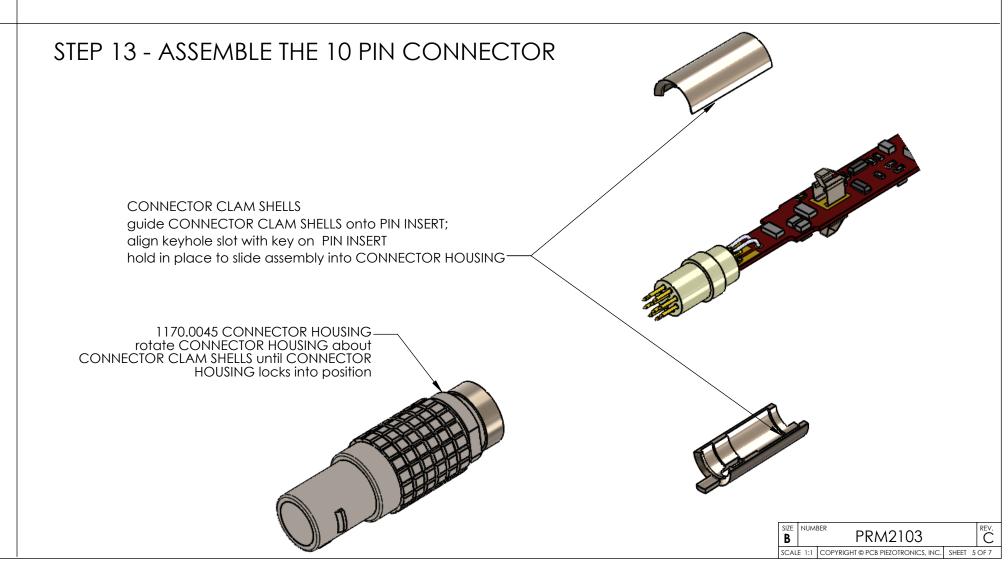


STEP 12 - INSPECT THE TWO SOLDERED ON WIRES ON THE 10-PIN CONNECTOR AND VERIFY THAT THEY ARE PLACED SUFFICIENTLY ABOVE THE OTHER PADS DIRECTLY ON THE BOARD, AND HAVE NOT BEEN PUSHED DOWN (POTENTIALLY SHORTING TO THE OTHER PADS).

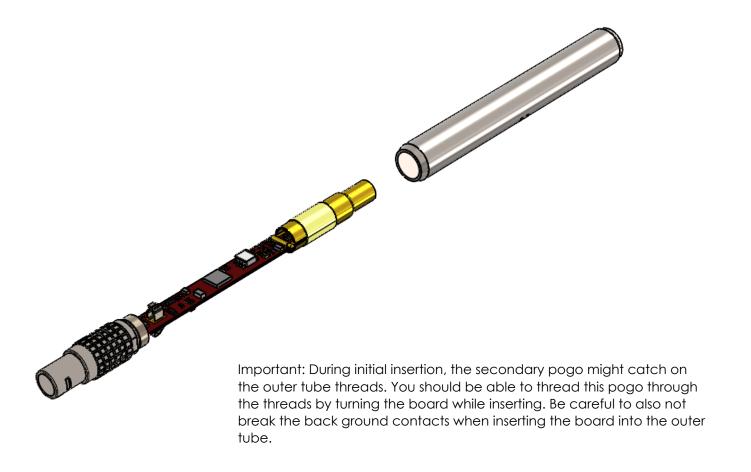


STEP 11 - INSERT THE OUTER INSULATOR INTO THE OUTER PREAMP TUBE. USE T2103.03 TOOL TO STRETCH OUT INSULATOR BY INSERTING TAPERED END FROM BOTTOM SIDE OF THE PREAMP AND PRESSING AGAINST INSULATOR.

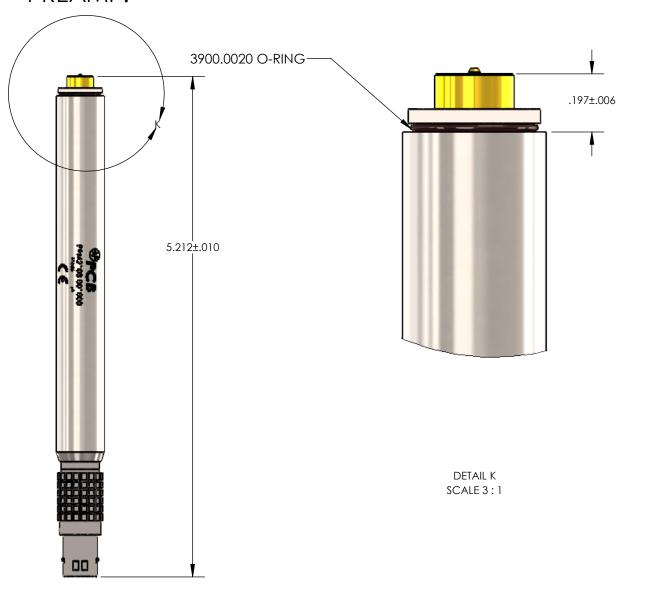




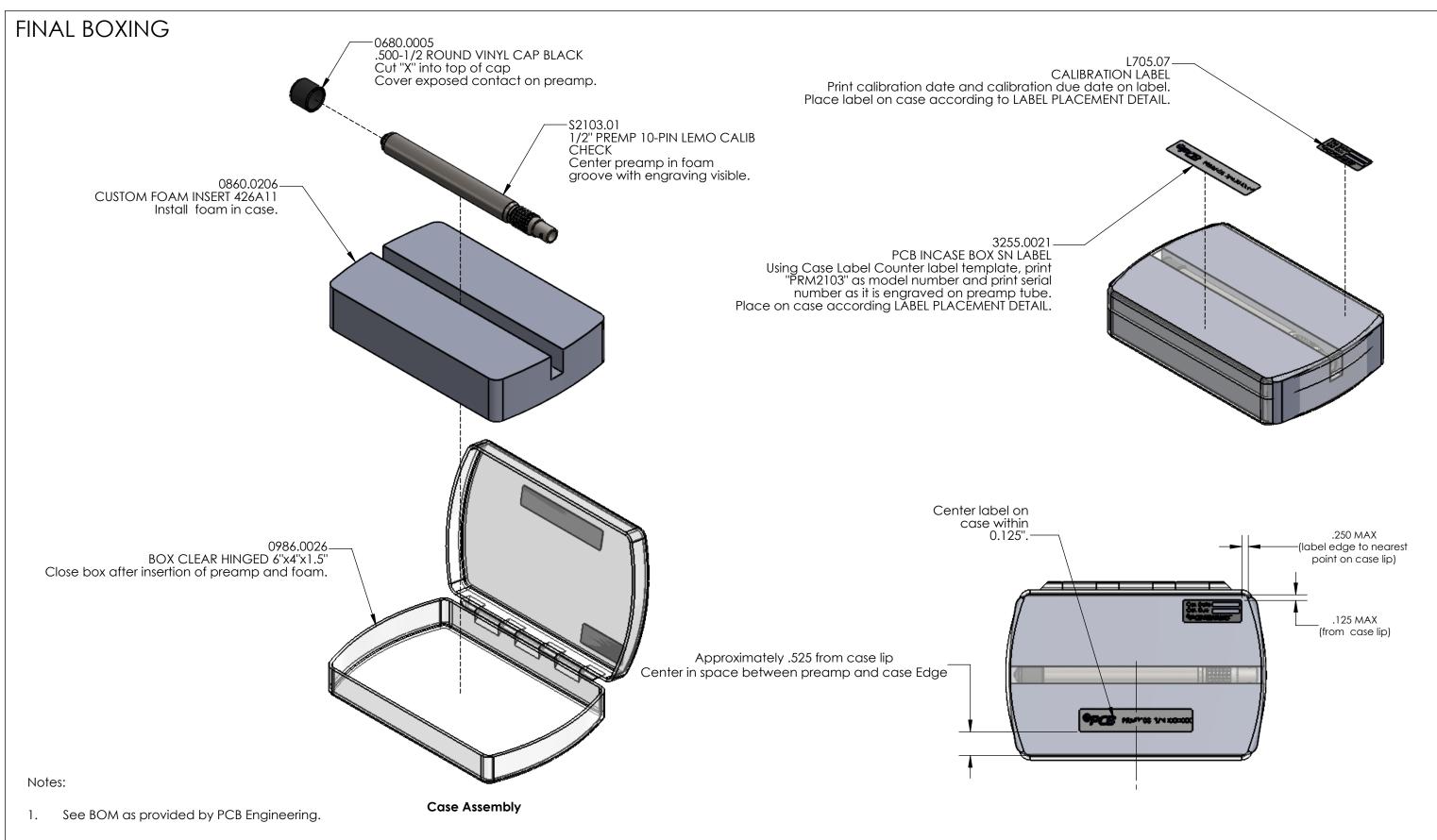
STEP 14 - GENTLY INSERT THE PCBA AND CONNECTOR INTO THE BOTTOM OF THE OUTER TUBE. THREAD THE 10 PIN HOUSING INTO THE TUBE. TIGHTEN WITH 10 MM WRENCH AND RUBBER COATED SLIP-JAW PLIERS.



STEP 15 - INSTALL THE O-RING ON THE TOP OF THE OUTER PREAMP TUBE IN THE THREAD RELIEF LOCATION. MEASURE THE DIMENSIONS SHOWN ON EACH PREAMP.



STEP 16 - CONTINUE WITH ELECTRICAL TESTING - SECTION 9.2 IN D0001.8362 PROCEDURE.



- 2. All equivalencies must be approved by PCB Engineering.
- 3. All components and processes must be ROHS compliant.
- 4. Labels may not appear as shown.