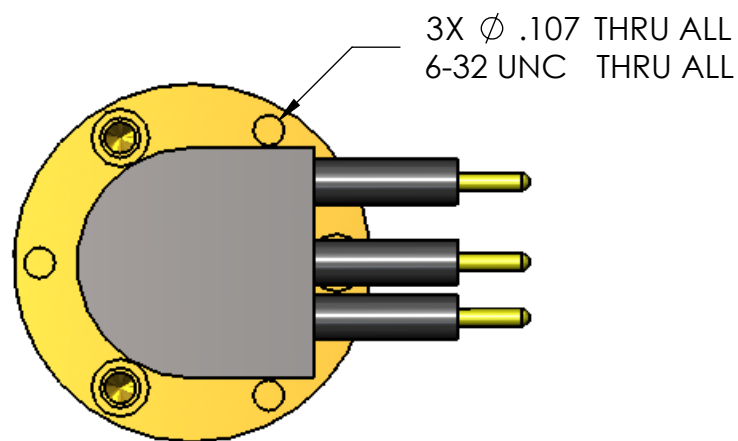
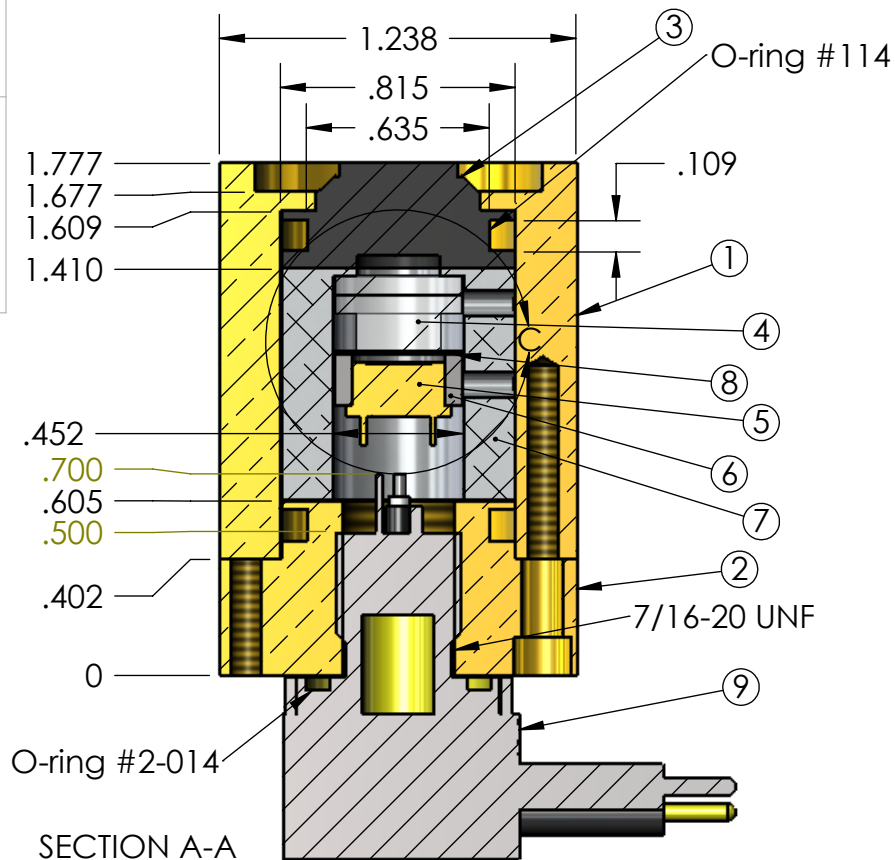
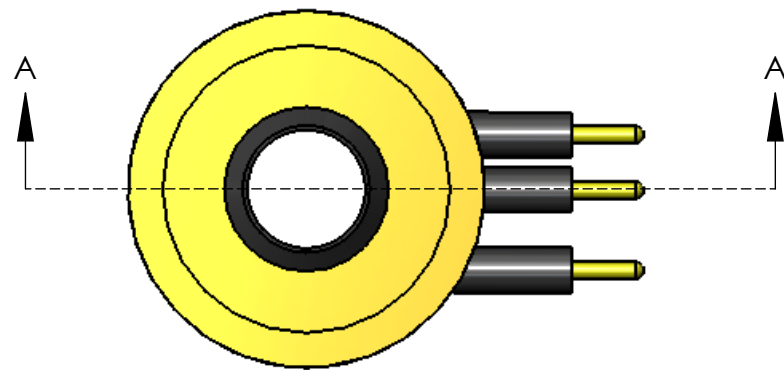


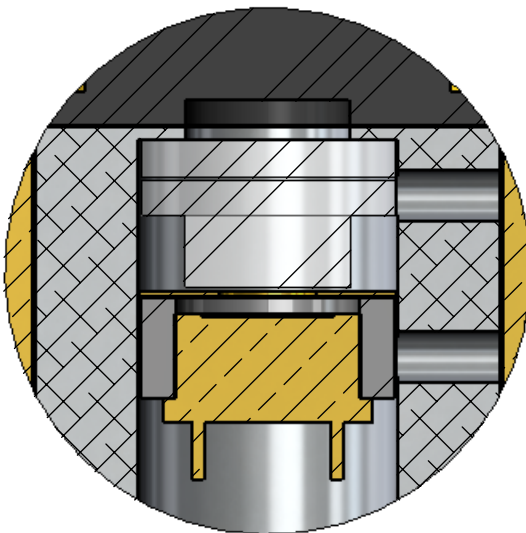
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MBARI ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF MBARI IS PROHIBITED.



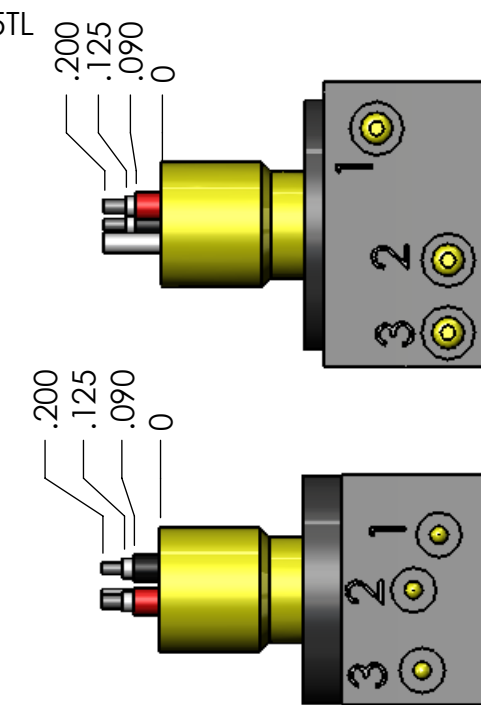
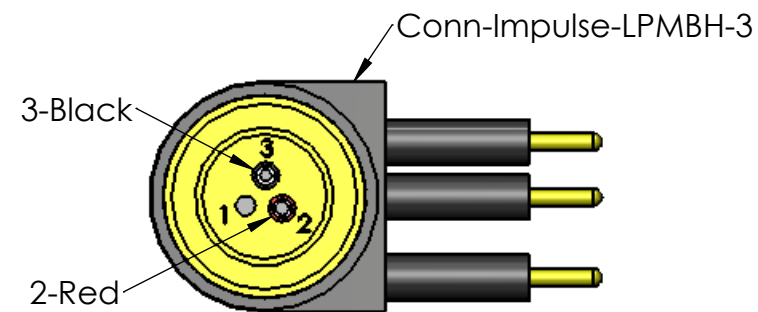
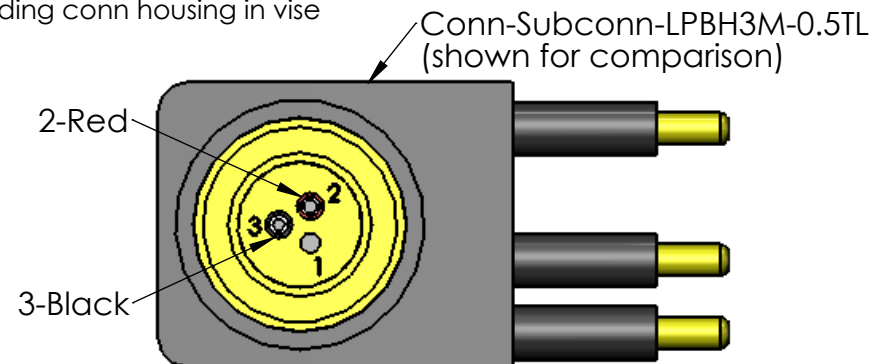
- PAR Sensor connector replacement notes
1. Loose old (Impulse) connector before disassembling PAR sensor
 2. Remove ConnectorFlange, hang on wires
 3. Mark Photodiode pin where Red wire is soldered.
 4. Carefully unsolder Red and Black wires from photodiode (do not remove photodiode!)
 5. Remove old connector from ConnectorFlange
 6. Make two wires, 1.75", 30 AWG, as flexible as possible, Red and Black
 7. Solder new Red to photodiode where old red was, Black to other pin
 8. Assemble sensor without new connector, pull wires thru 7/16-20 hole

- Prepare new connector:
9. Trim wires from new connector
 10. Strip pins 2 and 3; tin them (do not strip pin 1)
 11. Mark pin 2 with Red heat shrink tubing, pin 3 with Black

- Install new connector:
12. Solder new connector to new wires, Red to Red, Black to Black
 13. Turn connector 5 turns CCW
 14. Install connector and turn in all the way (~ 11 turns CW)
 15. Apply light to the PAR sensor
 16. Verify polarity of the signal: Pin 2 Positive, Pin 3 Negative
 17. Torque connector into housing, hand-tight, holding conn housing in vise



DETAIL C
SCALE 3 : 1



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	LI-COR-Housing		1
2	LI-COR-ConnectorFlange		1
3	LI-COR-Diffuser-Insert		1
4	LI-COR-OpticalFilter		1
5	LI-COR-Photodiode		1
6	LI-COR-Photodiode-Ring		1
7	LI-COR-Barrel-Insert		1
8	LI-COR-Baffle		1
9	Conn-Impulse-LPMBH-3		1

Shop / Q.C.	UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:	INITIAL RELEASE rev 1	DATE 07/25/2012	Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700	
Inspector	1 PLACE DIM ±1/16 2 PLACE DIM ±.02 3 PLACE DIM ±.005 ANGLES ±1°	DRAWN Klimov	DATE 08/04/2012		
Shop Foreman	1. DIMENSIONS ARE IN INCHES	LAST RELEASE Klimov	DATE 01/06/2016	DRAWING NAME and MODEL FILE NAME LI-COR-PAR-Sensor-LI-192	
Engineer	2. DIMENSION LIMITS HELD AFTER PLATING.	CHECKED			
NEXT ASSY	3. REMOVE BURRS AND SHARP EDGES .015 MAX.	PROJECT NO. xx		SIZE B	DWG. NO.
Application	4. MACHINED FILLET RADII .0150-.030.	PROJECT LRAUV		SCALE 1:5:1	WEIGHT
	5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005				
	6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.				
	DO NOT SCALE DRAWING				

Rev0(07/24/2012): initial release with 1.25" wires
Rev1(08/04/2012): wires changed to 1.75", notes added
Rev2(01/06/2016): connector changed to Impulse LPMBH-3



REV. 2

SHEET 1 OF 1