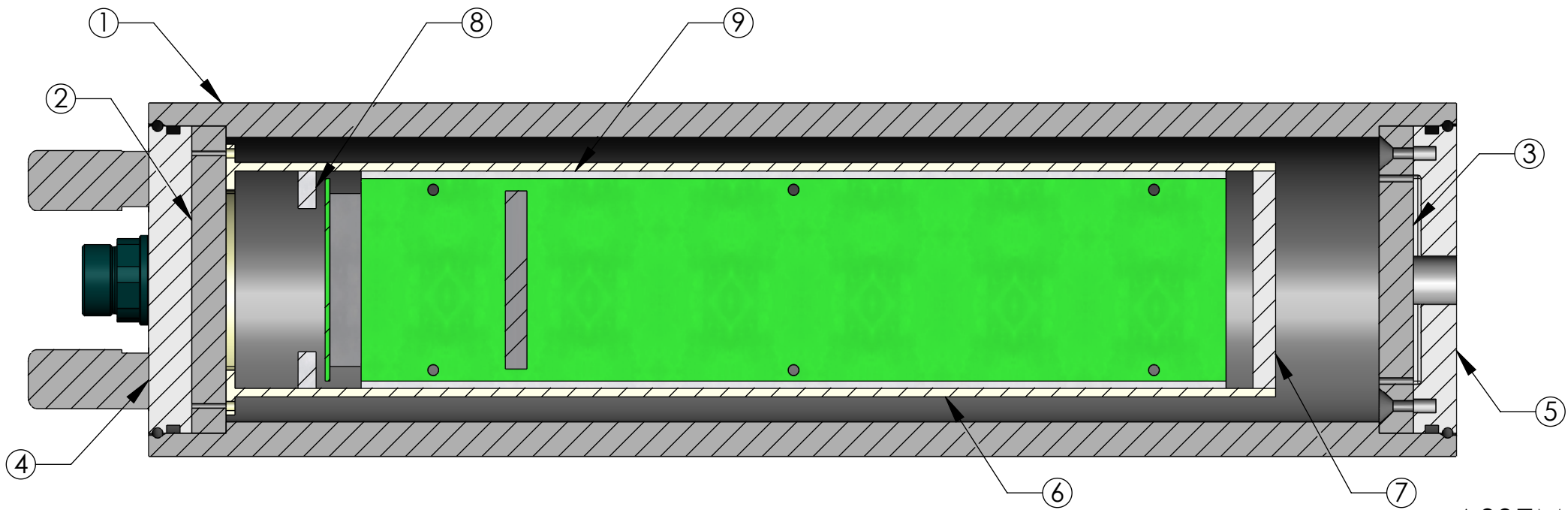
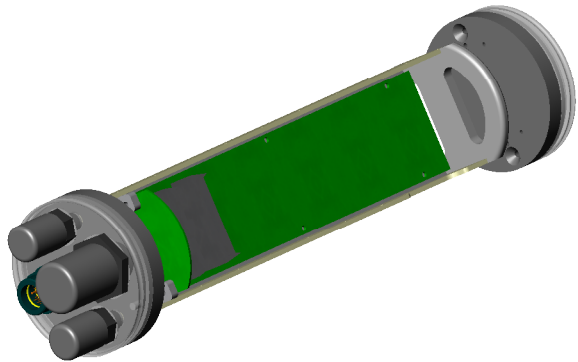


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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
1.0	INITIAL RELEASE		hwj
A	Added memory card access	5/28/04	hwj
B	REV'D Both EndCap1 parts to Rev. B.	8/07/18	J.E.



ASSEMBLY with SECTION

Notes:
7: Use -242 Orings
8: Use 1/8" Polypro cord
9: $\varnothing$ not on O-ring surface

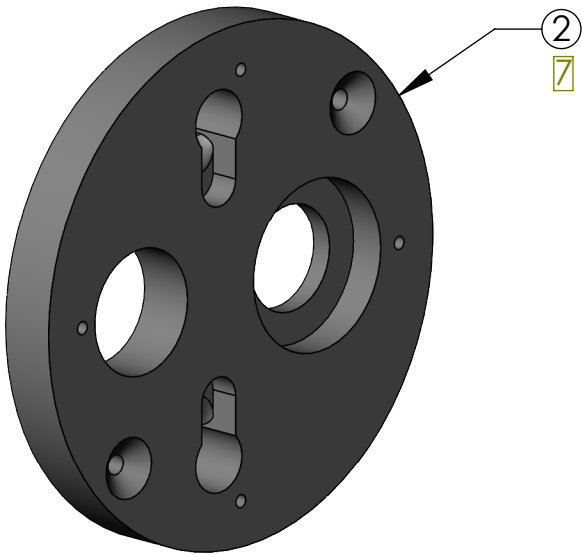
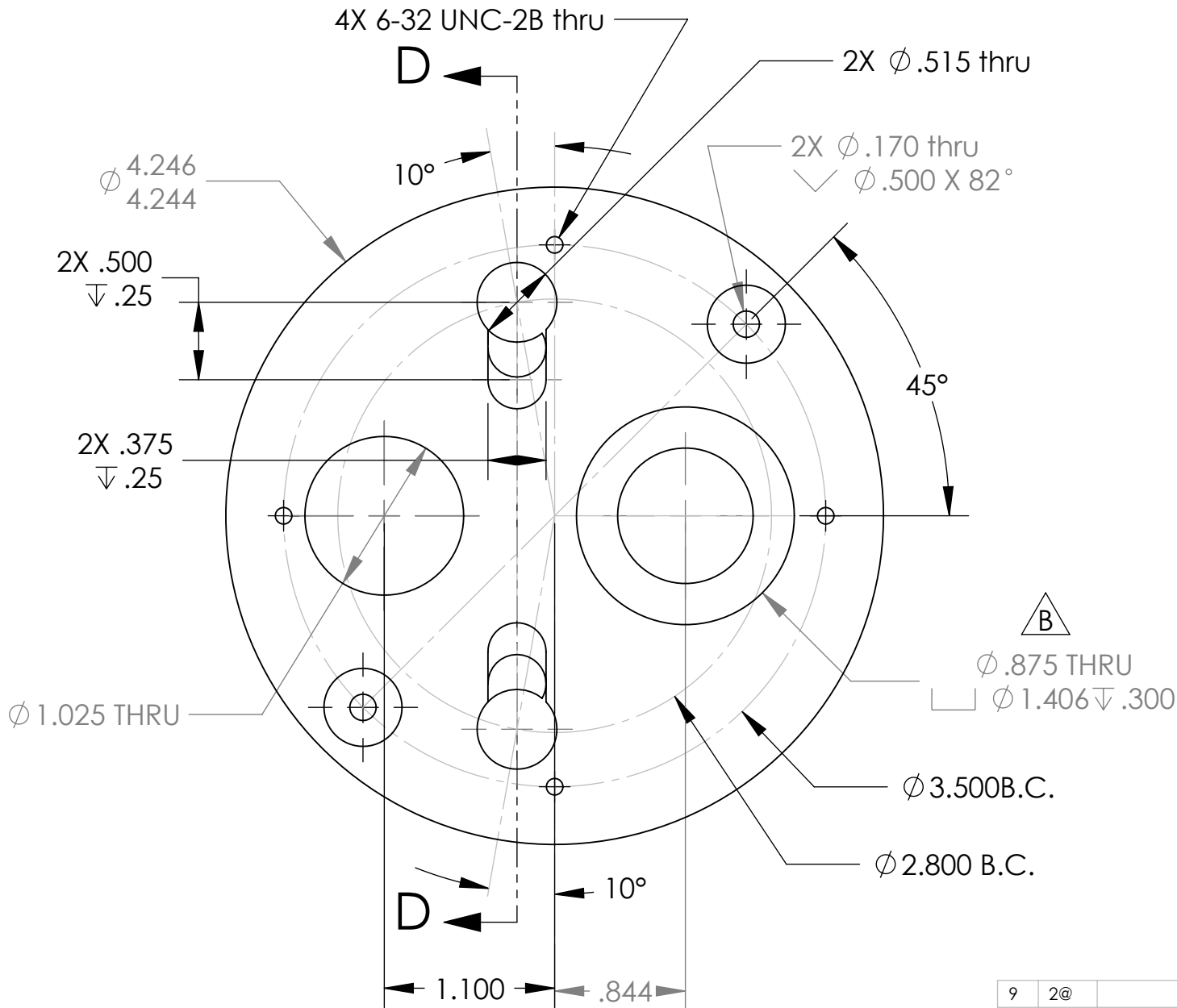
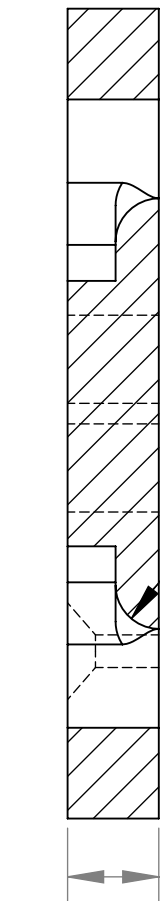
9	2@		LOBO Logger PCB mount	Black Delrin
8	2@		Breakout PCB mount	Black Delrin
7	1@		Rail support	Black Delrin
6	1@		Rails	1/8" 5052 Aluminum
5	1@		Endcap 2	Black Delrin
4	1@		Endcap 1_Rev.B	Black Delrin
3	1@		Endcap 2 support	Al 6061-T6 hard anodized
2	1@		Endcap 1 support Rev.B	Al 6061-T6 hard anodized
1	1@		Housing	Gray PVC

ITEM NO.	QTY	PART NO.	DESCRIPTION	MATERIAL SPECIFICATION
BILL OF MATERIALS				
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				
1 PLACE DIM $\pm 1/16$	2 PLACE DIM $\pm .02$	3 PLACE DIM $\pm .005$	ANGLES $\pm 1^\circ$	
1. DIMENSIONS ARE IN INCHES				
2. DIMENSION LIMITS HELD AFTER PLATING.				
3. REMOVE BURRS AND SHARP EDGES .015 MAX.				
4. MACHINED FILLET RADII .0150-.030.				
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.				
APPROVALS			DATE	
DRAWN			04/19/04	
Hans Jannasch			ENGINEER	
CHECKED				
PROJECT NO.			701144	
PROJECT			NSF: LOBO Project	
WEIGHT				
Monterey Bay Aquarium Research Institute				
7700 Sandholdt RD. Moss Landing, CA 95039 PH: (408) 775-1700				
LOBO Controller Housing				
SIZE B	DWG. NO. 145jaha.DWG			REV. B
SCALE	CAD FILE: TORNADO/CHEM/SWFILES SHEET 1 OF 5			

7. PROJECT LIBRARY:\ChemSensors\HansJ\LOBO\Controller.
NOTES: Continued from the Title Block.

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
1.0	INITIAL RELEASE		hwj
A	Added memory card access	5/28/04	hwj
B	CHG CONN. HOLE to 7/8 Dia. for MHDL-24	8/07/18	J.E.



8: Hard black anodize per MIL-A-8625F Type III (.001 thick). TEFLON SEAL COAT.

7. PROJECT LIBRARY:\ChemSensors\HansJ\LOBO\Controller

Notes: Continued from Title Block.

9	2@		LOBO Logger PCB mount	Black Delrin
8	2@		Breakout PCB mount	Black Delrin
7	1@		Rail support	Black Delrin
6	1@		Rails	1/8" 5052 Aluminum
5	1@		Endcap 2	Black Delrin
4	1@		Endcap 1_Rev.B	Black Delrin
3	1@		Endcap 2 support	Al 6061-T6 hard anodized
2	1@		Endcap 1 support_Rev.B	Al 6061-T6 hard anodized
1	1@		Housing	Gray PVC
ITEM NO.	QTY	PART NO.	DESCRIPTION	MATERIAL SPECIFICATION

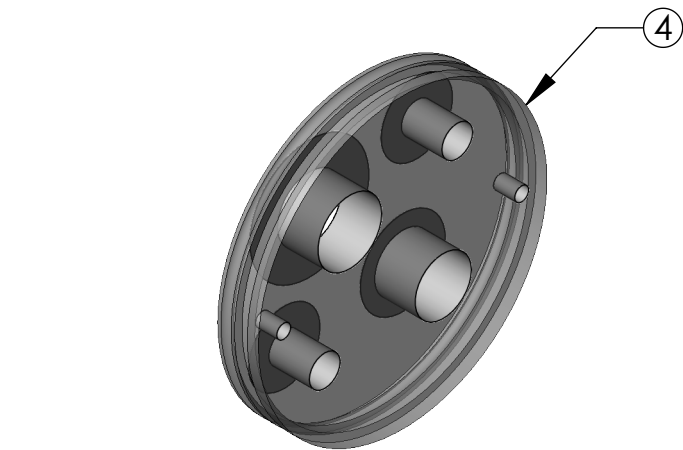
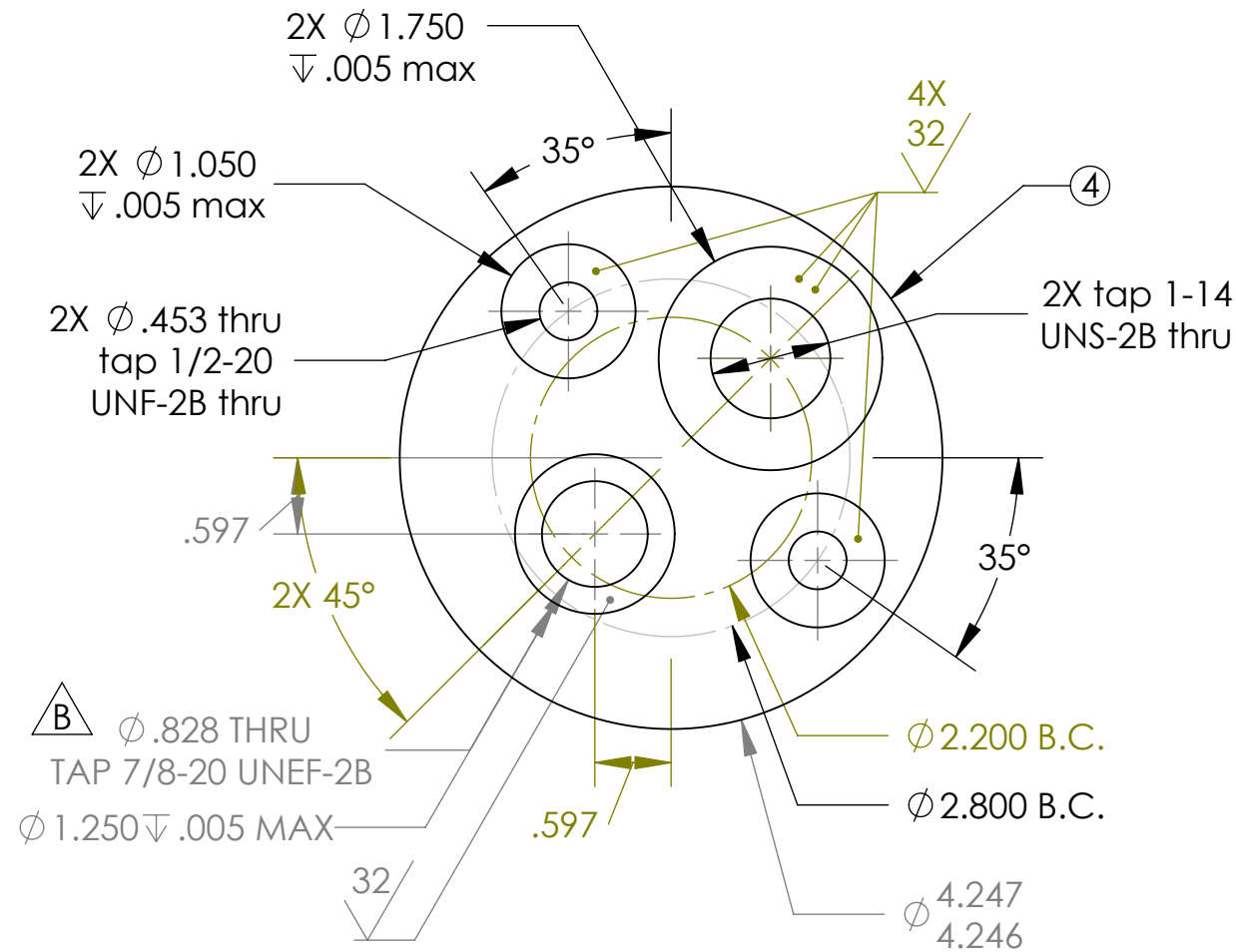
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE	BILL OF MATERIALS	
1 PLACE DIM $\pm$ 1/16	2 PLACE DIM $\pm$.02	3 PLACE DIM $\pm$.005	ANGLES $\pm$ 1°	DRAWN	Hans Jannasch	04/19/04	Monterey Bay Aquarium Research Institute 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (408) 775-1700	
1. DIMENSIONS ARE IN INCHES				ENGINEER				
2. DIMENSION LIMITS HELD AFTER PLATING.				CHECKED				
3. REMOVE BURRS AND SHARP EDGES .015 MAX.				PROJECT NO.		701144	LOBO Controller Housing	
4. MACHINED FILLET RADII .0150-.030.				PROJECT		NSF: LOBO Project		
5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005				WEIGHT			SIZE B	DWG. NO. 145jaha.DWG
6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.				SCALE			CAD FILE: TORNADO/CHEM/SWFILES	SHEET 1 OF 5

NEXT ASSY	USED ON
APPLICATION	DO NOT SCALE DRAWING

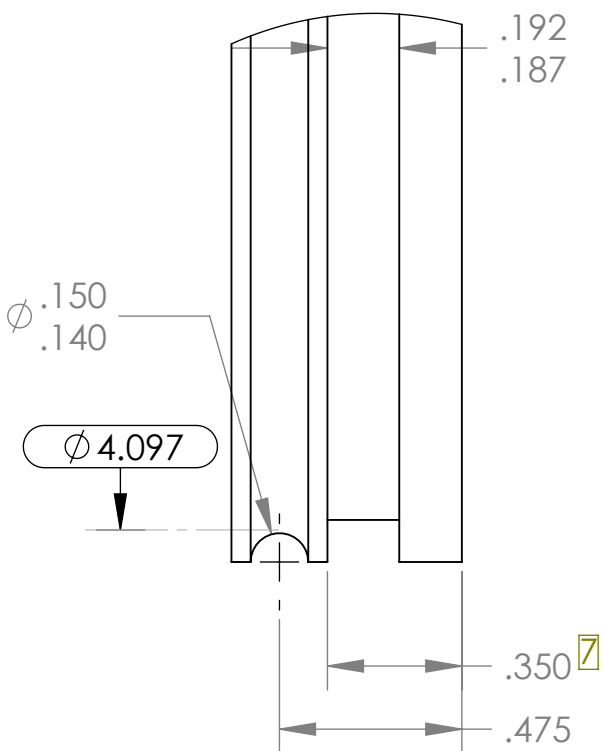
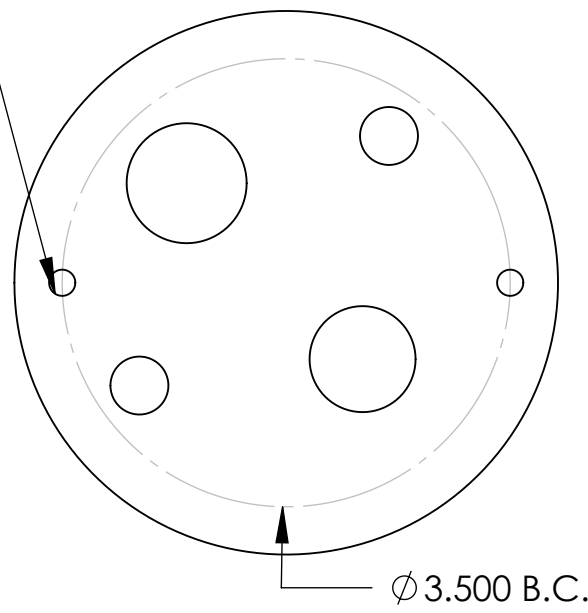
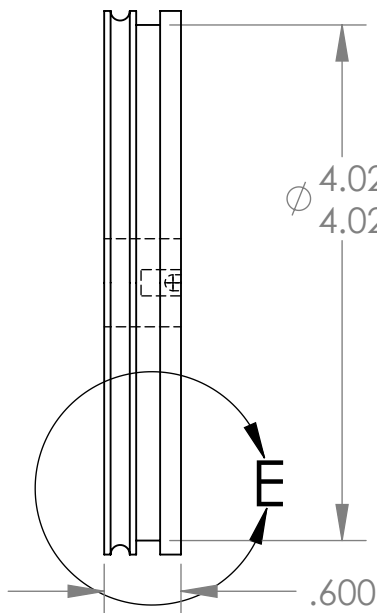


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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
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A	Added memory card access	5/28/04	hwj
B	CHG CONN. HOLE to 7/8 Dia. for MHDL-24	8/07/18	J.E.



2X (per endcap)
 $\phi .205 \pm .325$
Yardley Sharp-Sert Insert
PN 832S8-10 (w/ 8-32 thread)
Flush with surface (no rise)



DETAIL E
SCALE 2 : 1

ITEM NO.	QTY	PART NO.	DESCRIPTION	MATERIAL SPECIFICATION
9	2@		LOBO Logger PCB mount	Black Delrin
8	2@		Breakout PCB mount	Black Delrin
7	1@		Rail support	Black Delrin
6	1@		Rails	1/8" 5052 Aluminum
5	1@		Endcap 2	Black Delrin
4	1@		Endcap 1_Rev.B	Black Delrin
3	1@		Endcap 2 support	Al 6061-T6 hard anodized
2	1@		Endcap 1 support_Rev.B	Al 6061-T6 hard anodized
1	1@		Housing	Gray PVC

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE	BILL OF MATERIALS	
1 PLACE DIM $\pm 1/16$	2 PLACE DIM $\pm .02$	3 PLACE DIM $\pm .005$	ANGLES $\pm 1^\circ$	DRAWN	Hans Jannasch	04/19/04	Monterey Bay Aquarium Research Institute	
1. DIMENSIONS ARE IN INCHES				ENGINEER			7700 Sandholdt RD. Moss Landing, CA 95039 PH: (408) 775-1700	
2. DIMENSION LIMITS HELD AFTER PLATING.				CHECKED			LOBO Controller Housing	
3. REMOVE BURRS AND SHARP EDGES .015 MAX.				PROJECT NO.		701144	SIZE B	
4. MACHINED FILLET RADII .0150-.030.				PROJECT		NSF: LOBO Project	DWG. NO. 145jaha.DWG	
5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005				WEIGHT			SCALE	
6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.				DO NOT SCALE DRAWING			CAD FILE: TORNADO/CHEM/SWFILES	
NEXT ASSY				USED ON			SHEET 1 OF 5	
APPLICATION							REV. B	

7. PROJECT LIBRARY:\ChemSensors\HansJ\LOBO\Controller.
NOTES: continued from the Title Block.