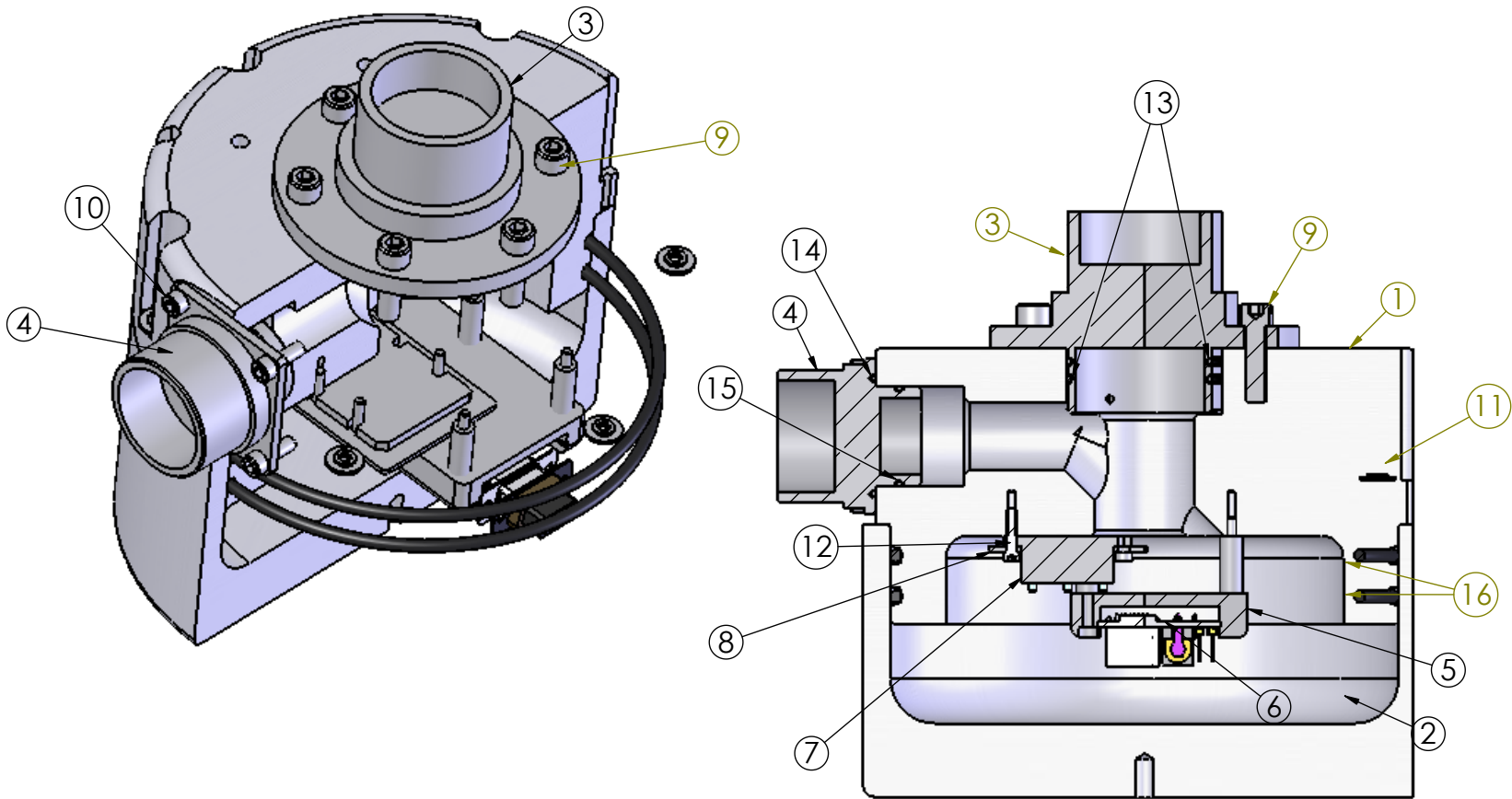


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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		



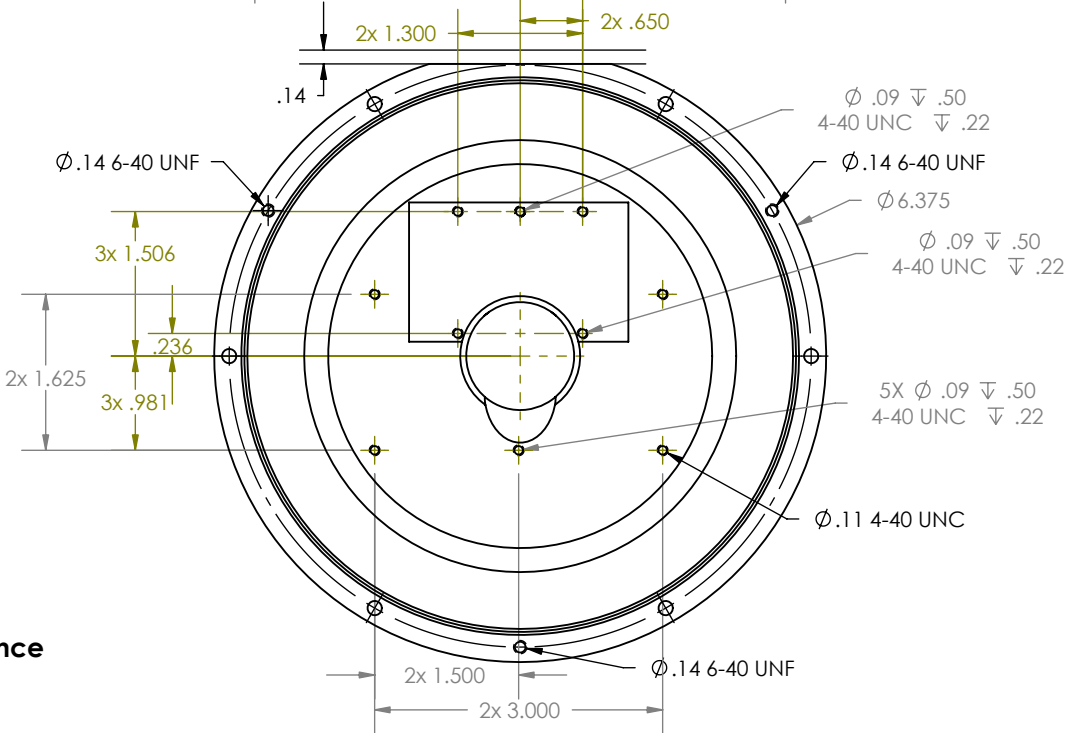
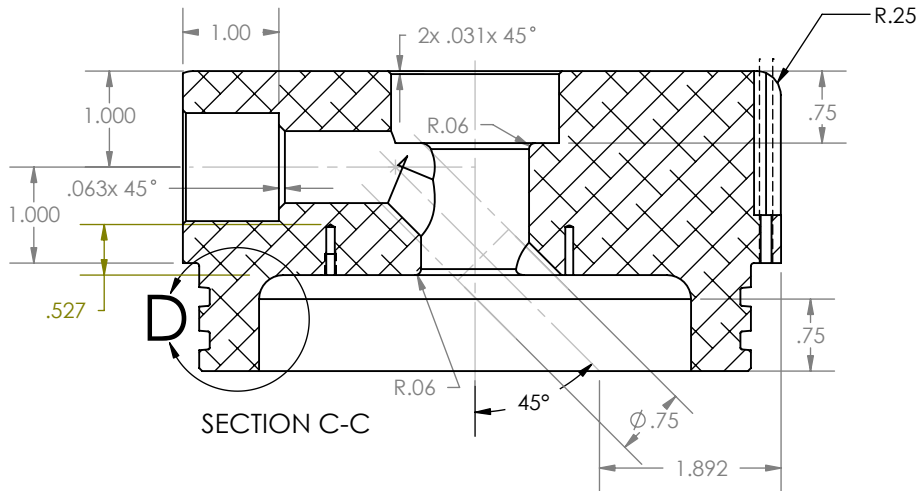
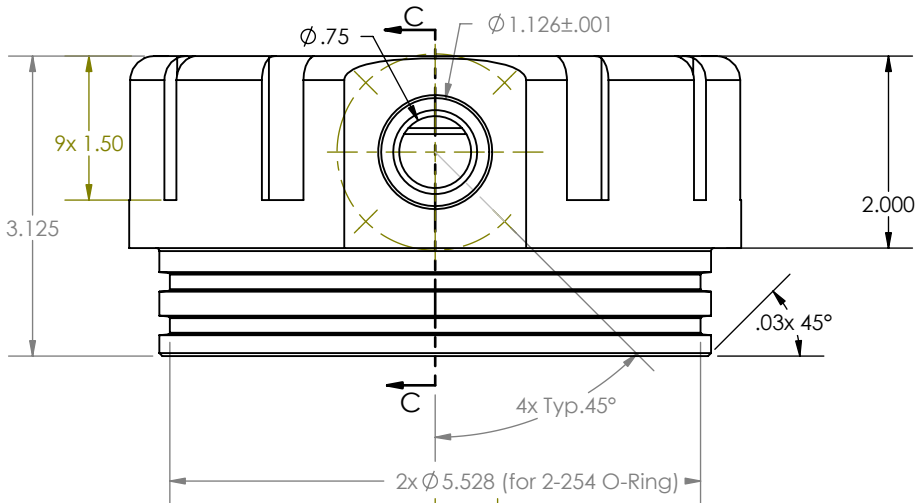
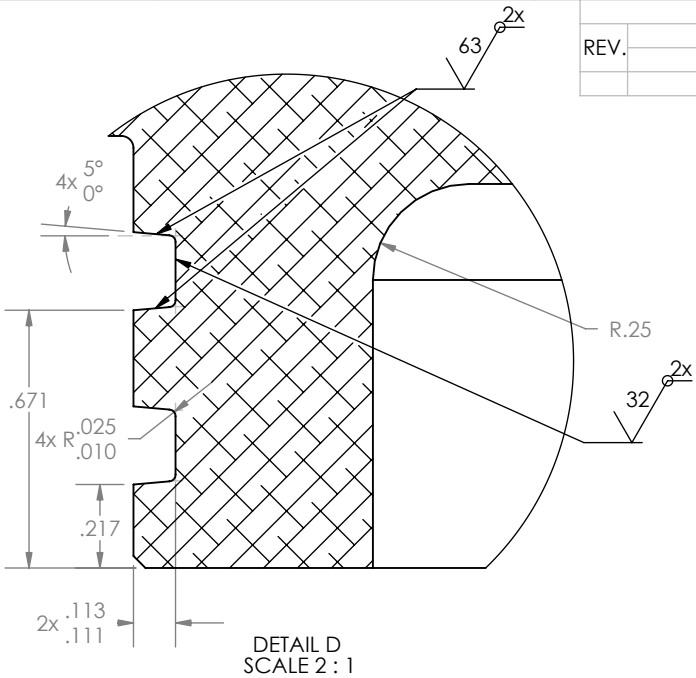
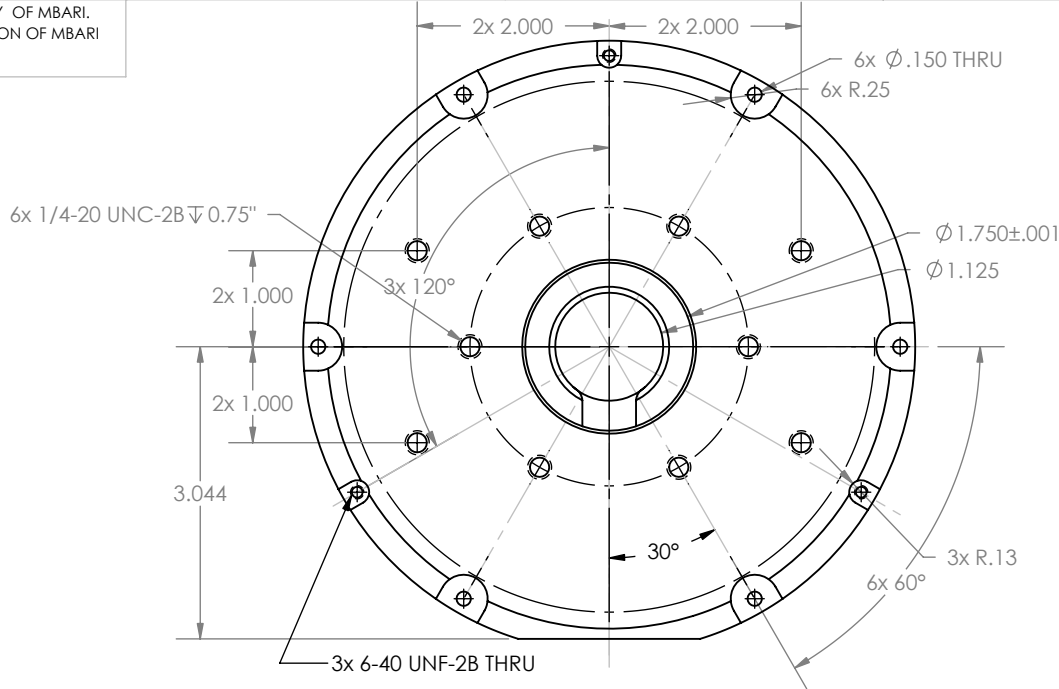
Sectional View of Assembly

24	1 Ea.			
23	1 Ea.			
22	1 Ea.			
21	1 Ea.			
20	1 Ea.			
19	1 Ea.			
18	1 Ea.			
17	1 Ea.			
16	2 Ea.		O-ring, 2-254	Buna-N
15	1 Ea.		O-ring, 2-022	Buna-N
14	1 Ea.		O-ring, 2-026	Buna-N
13	2 Ea.		O-ring, 2-030	Buna-N
12	5 Ea.		SHCS, 4-40 UNC 2A x 0.5"	316 St. Stl.
11	6 Ea.		SHCS, 6-40 UNC 2A x .75"	316 St. Stl.
10	4 Ea.		SHCS, 8-32 UNC 2A x 0.5"	316 St. Stl.
9	6 Ea.		SHCS, 1/4-20 UNC 2A x 0.875"	316 St. Stl.
8	1 Ea.		PCB, Small Vicor	
7	1 Ea.		VICOR, 24V-100W	
6	1 Ea.		Board, Serial Ethernet	
5	1 Ea.		Board, Ethernet Clip	PVC
4	1 Ea.		Connector, Seacon MinO-FCRL	Stainless Steel
3	1 Ea.		ODI 4-12 Way Bulkhead Penetrator	Stainless Steel
2	1 Ea.		Housing, 1000 meter working depth	6061 Al
1	1 Ea.		Cap, Connector	6061 Al
ITEM NO.	QTY	PART NO.	DESCRIPTION	MATERIAL SPECIFICATION

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE	Monterey Bay Aquarium Research Institute		
1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN	F. Shane	14Sep06	7700 Sandholdt RD. Moss Landing, CA 95039 PH: (408) 775-1700 SIIM Housing Assembly		
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.				ENGINEER	F. Shane	14Sep06			
				CHECKED					
PROJECT NO.		900523		PROJECT		MARS SIIM			
WEIGHT									
DO NOT SCALE DRAWING				SCALE	NONE	CAD FILE: Project Library\MARS SIS	SHEET 1 OF 1		

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REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		



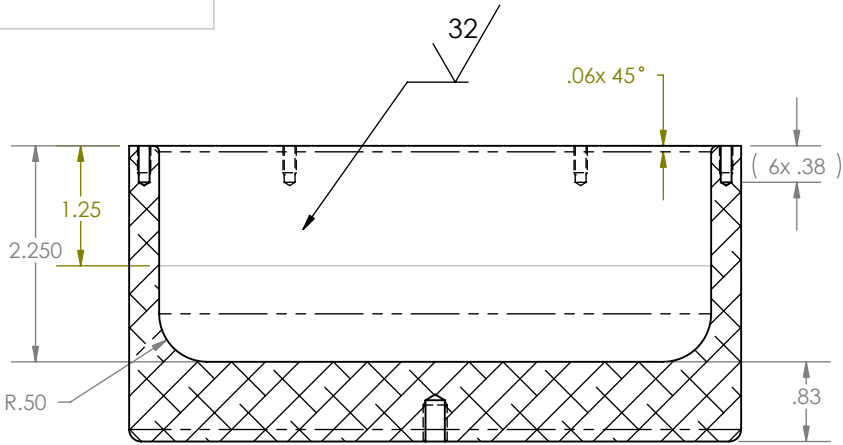
2				
1	1 Ea.		Connector Cap	6061 Al
ITEM NO.	QTY	PART NO.	DESCRIPTION	MATERIAL SPECIFICATION
BILL OF MATERIALS				
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:			APPROVALS	DATE
1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	DRAWN	F. Shane 15Sep06
1. DIMENSIONS ARE IN INCHES			ENGINEER	F. Shane 15Sep06
2. DIMENSION LIMITS HELD AFTER PLATING.			CHECKED	
3. REMOVE BURRS AND SHARP EDGES .015 MAX.			PROJECT NO.	900523
4. MACHINED FILLET RADII .0150-.030.			PROJECT	MARS SIIS
5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005			WEIGHT	
6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH, MAX .012 INCHES FOR SINGLE SURFACE.				
DO NOT SCALE DRAWING				

Monterey Bay Aquarium Research Institute			
7700 Sandholdt RD. Moss Landing, CA 95039 PH: (408) 775-1700			
MARS SIIS Connector Cap			
SIZE B	DWG. NO.	1003255.DWG	REV.
SCALE NONE	CAD FILE: Project Library\MARS SIIS		SHEET 1 OF 1

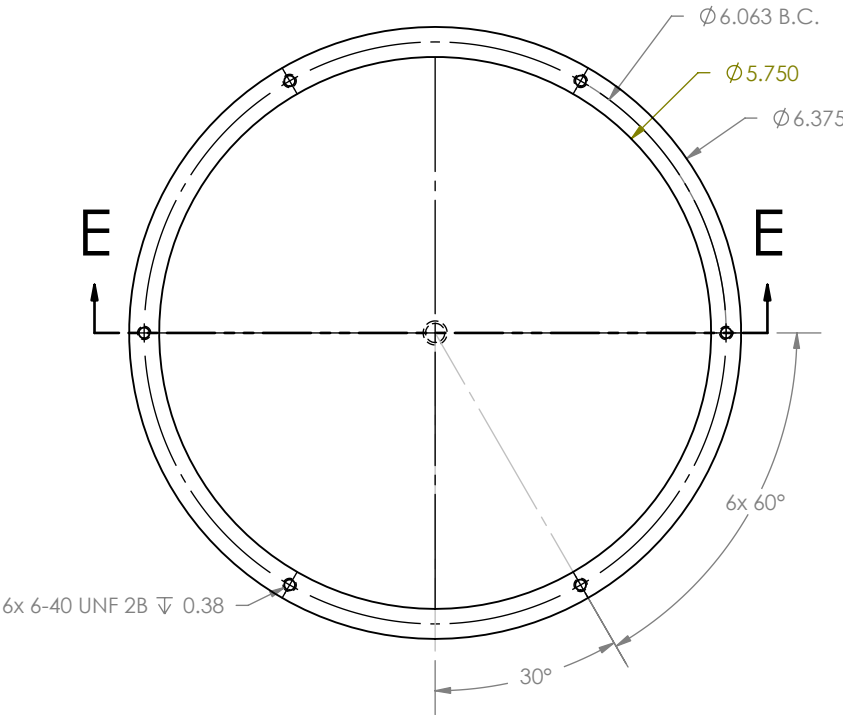
NOTE: 6. Finish: Hard Black Anodized in Accordance with MIL-A-8625F Type III (.001" Thick)

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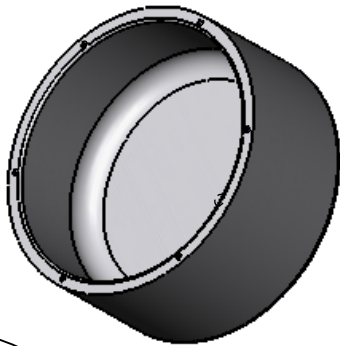
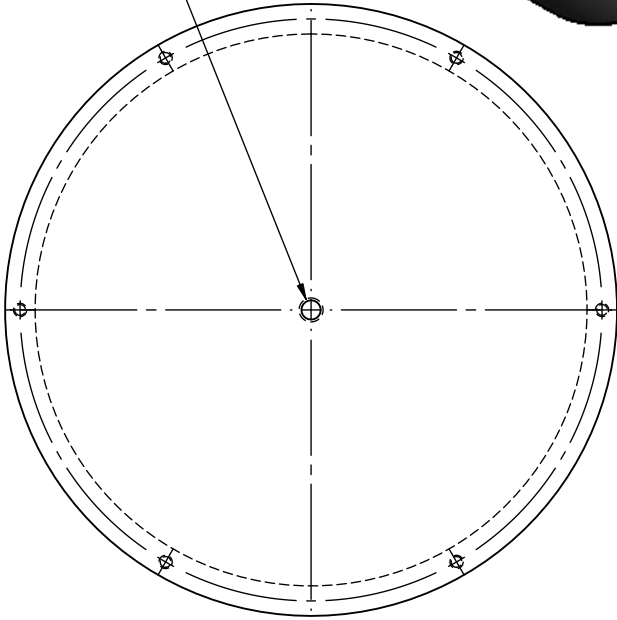
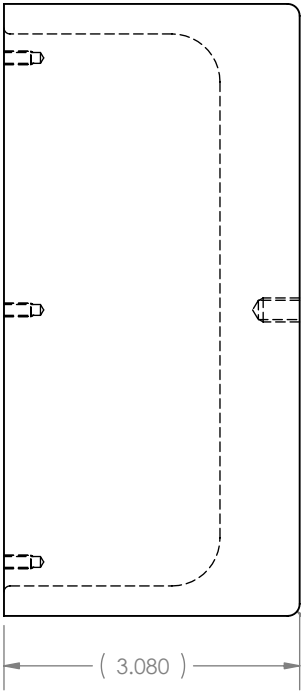
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		



SECTION E-E



1/4-20 UNC-2B ∇ .38 Dp



NOTE: 6. Finish: Hard Black Anodized in Accordance with MIL-A-8625F Type III (.001" Thick)

2				
1	1 Ea.		1000 Meter Pressure Housing	6061 Al
ITEM NO.	QTY	PART NO.	DESCRIPTION	MATERIAL SPECIFICATION
BILL OF MATERIALS				
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:			APPROVALS	DATE
1 PLACE DIM $\pm 1/16$	2 PLACE DIM $\pm .02$	3 PLACE DIM $\pm .005$	ANGLES $\pm 1^\circ$	DRAWN F. Shane 15Sep06
1. DIMENSIONS ARE IN INCHES			ENGINEER F. Shane 15Sep06	
2. DIMENSION LIMITS HELD AFTER PLATING.			CHECKED	
3. REMOVE BURRS AND SHARP EDGES .015 MAX.			PROJECT NO. 900523	
4. MACHINED FILLET RADII .0150-.030.			PROJECT MAR SIIM	
5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005			WEIGHT	
6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.			SCALE NONE	
DO NOT SCALE DRAWING			CAD FILE: Project Library\900523 MARS SIS	
NEXT ASSY USED ON APPLICATION			SHEET 1 OF 1	

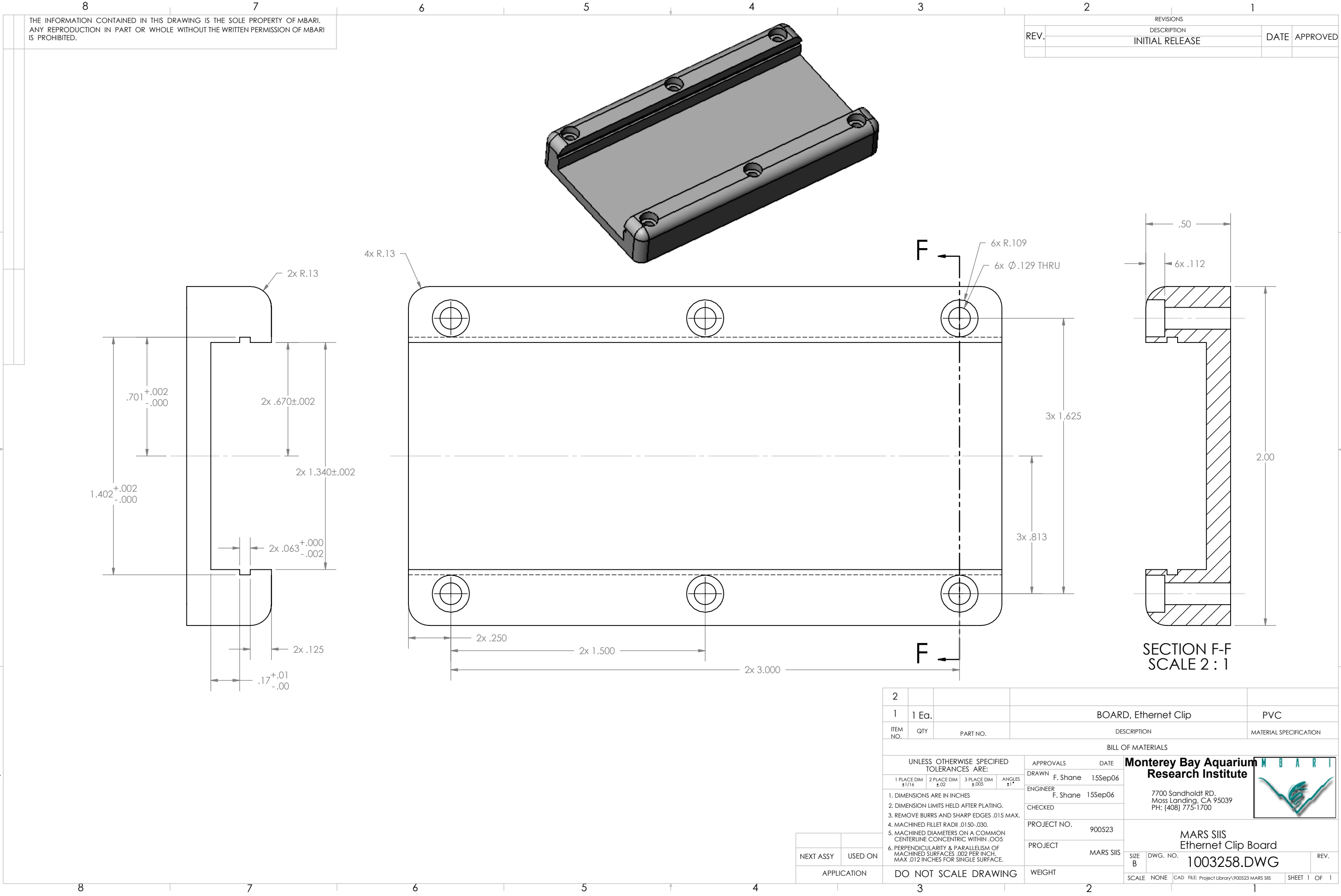
Monterey Bay Aquarium Research Institute

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Moss Landing, CA 95039
PH: (408) 775-1700



MARS SIIM
1000 Meter Pressure Housing

SIZE B DWG. NO. 1003256.DWG REV.



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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		

2				
1	1 Ea.		BOARD, Ethernet Clip	PVC
ITEM NO.	QTY	PART NO.	DESCRIPTION	MATERIAL SPECIFICATION
BILL OF MATERIALS				
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:			APPROVALS	DATE
1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	DRAWN	F. Shane 15Sep06
1. DIMENSIONS ARE IN INCHES			ENGINEER	F. Shane 15Sep06
2. DIMENSION LIMITS HELD AFTER PLATING.			CHECKED	
3. REMOVE BURRS AND SHARP EDGES .015 MAX.			PROJECT NO.	900523
4. MACHINED FILLET RADII .0150-.030.			PROJECT	MARS SIIS
5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005			WEIGHT	
6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.				
NEXT ASSY			USED ON	
APPLICATION			DO NOT SCALE DRAWING	

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Moss Landing, CA 95039
PH: (408) 775-1700

MARS SIIS
Ethernet Clip Board

SIZE B DWG. NO. 1003258.DWG

SCALE NONE CAD FILE: Project Library\900523 MARS SIIS SHEET 1 OF 1