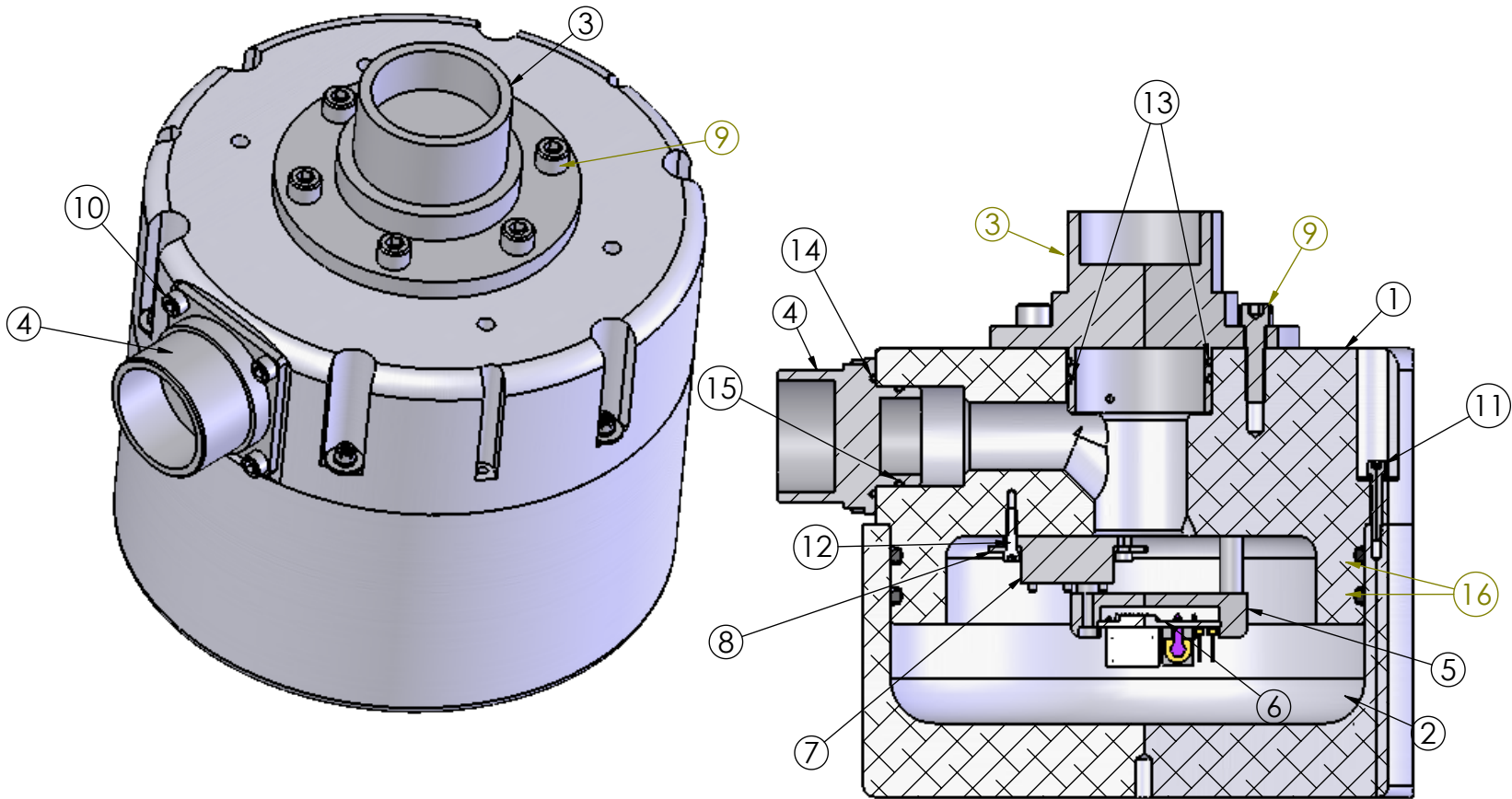


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Sectional View of Assembly

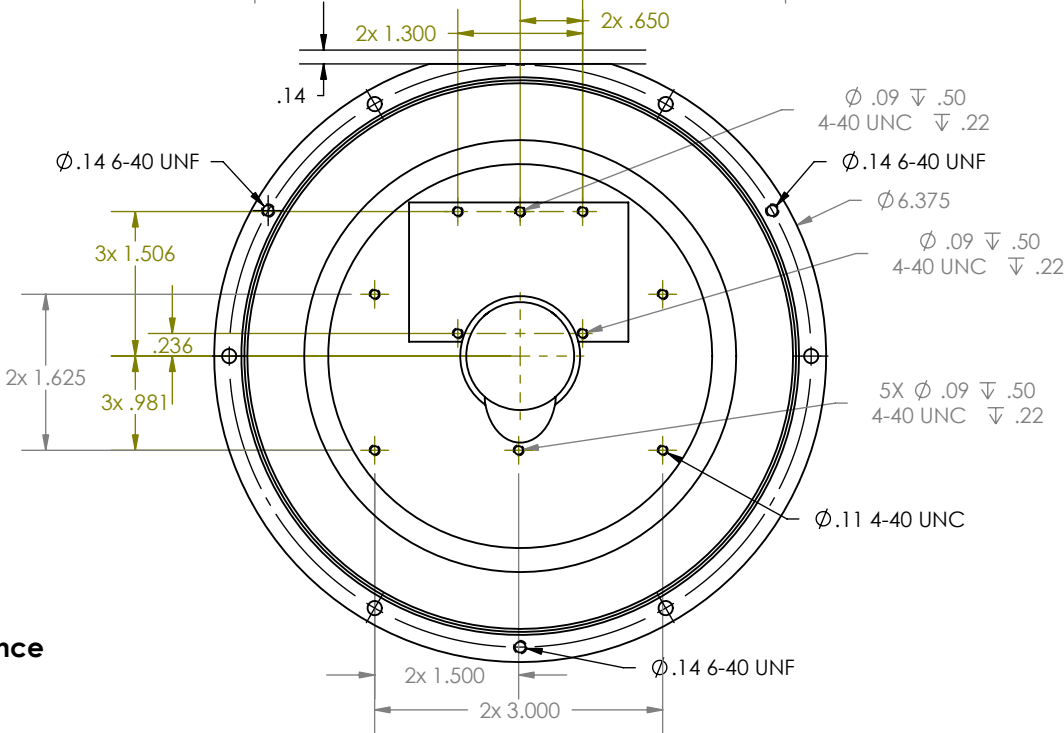
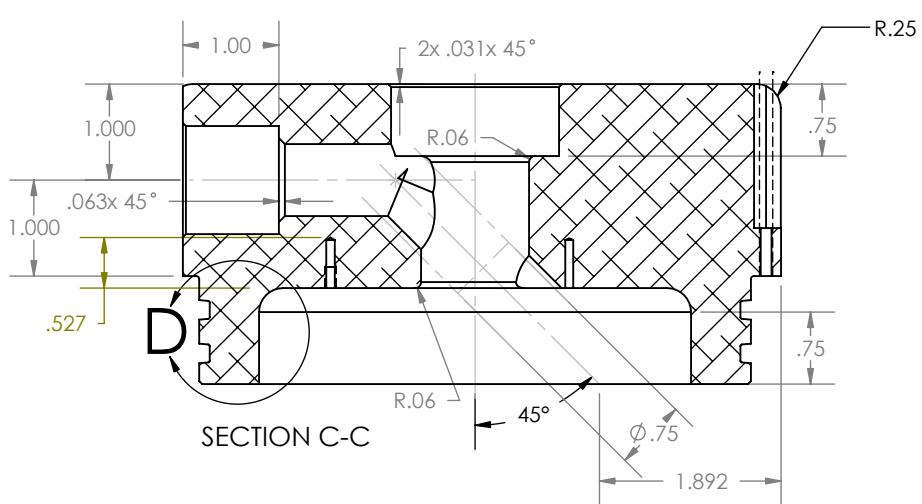
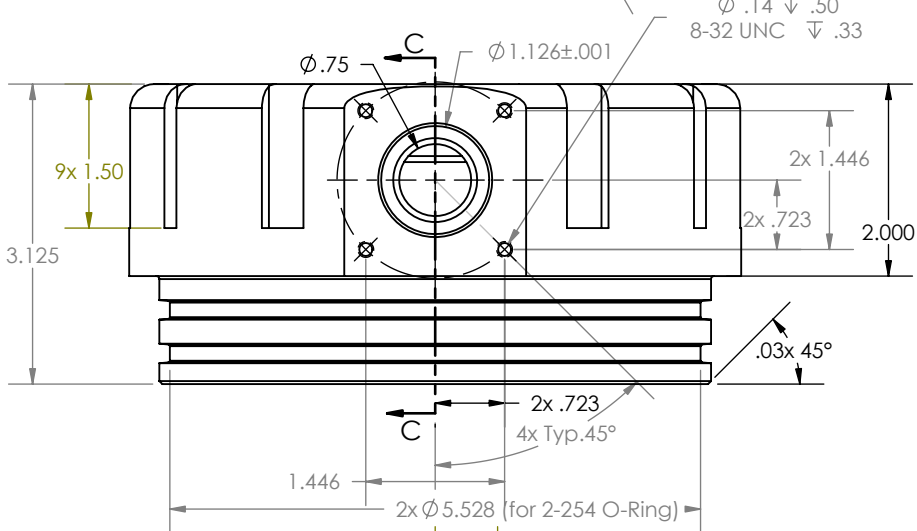
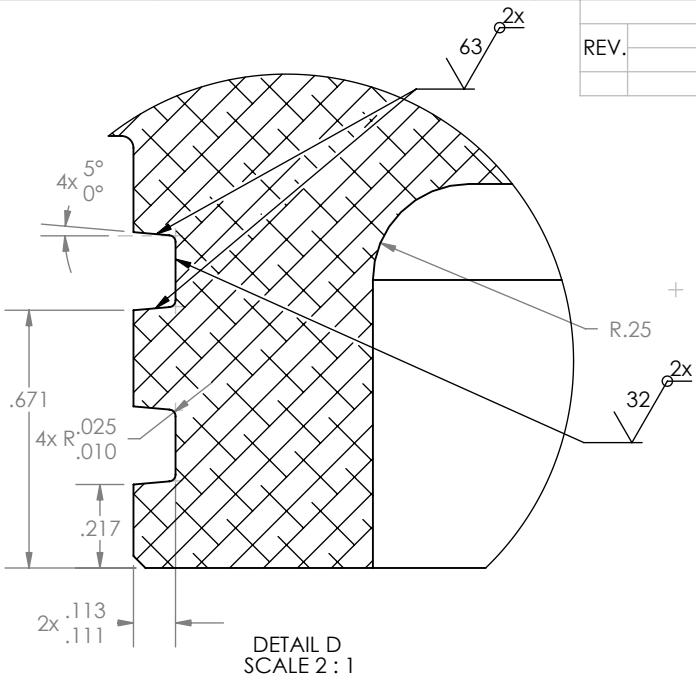
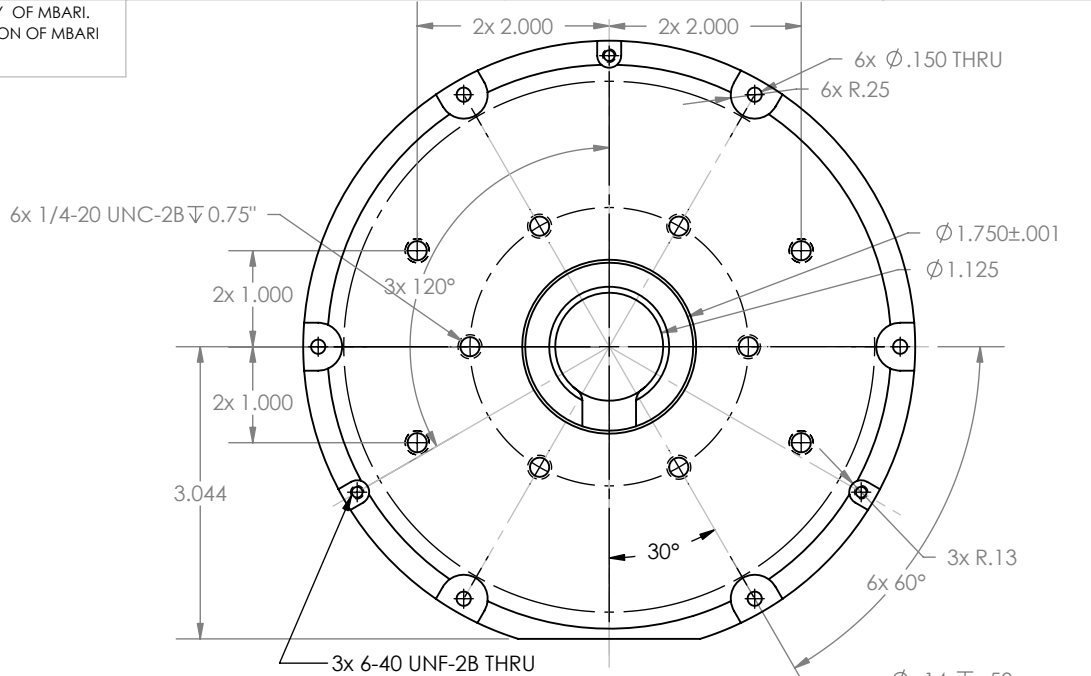
16	2 Ea.		O-ring, 2-254	Buna-N
15	1 Ea.		O-ring, 2-022	Buna-N
14	1 Ea.		O-ring, 2-026	Buna-N
13	2 Ea.		O-ring, 2-030	Buna-N
12	5 Ea.		SHCS, 4-40 UNC 2A x 0.5"	316 St. Stl.
11	6 Ea.		SHCS, 6-40 UNC 2A x .75"	316 St. Stl.
10	4 Ea.		SHCS, 8-32 UNC 2A x 0.5"	316 St. Stl.
9	6 Ea.		SHCS, 1/4-20 UNC 2A x 0.875"	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		M B A R I	
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			
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		SIIM Housing Assembly			
				PROJECT		MARS SIIM					
DO NOT SCALE DRAWING				WEIGHT				SIZE B	DWG. NO. 1003257.DWG	REV.	
				SCALE		NONE		CAD FILE: Project Library\MBARS SIIS		SHEET 1 OF 1	

NEXT ASSY	USED ON
APPLICATION	DO NOT SCALE DRAWING

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REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		



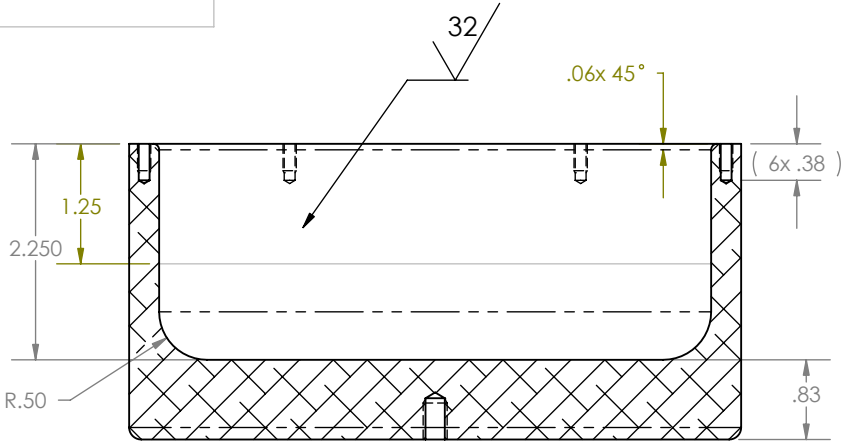
2				
1	1 Ea.		Connector Cap	6061 Al
ITEM NO.	QTY	PART NO.	DESCRIPTION	MATERIAL SPECIFICATION
BILL OF MATERIALS				
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:			APPROVALS	DATE
1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	DRAWN	F. Shane 15Sep06
1. DIMENSIONS ARE IN INCHES			ENGINEER	F. Shane 15Sep06
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	

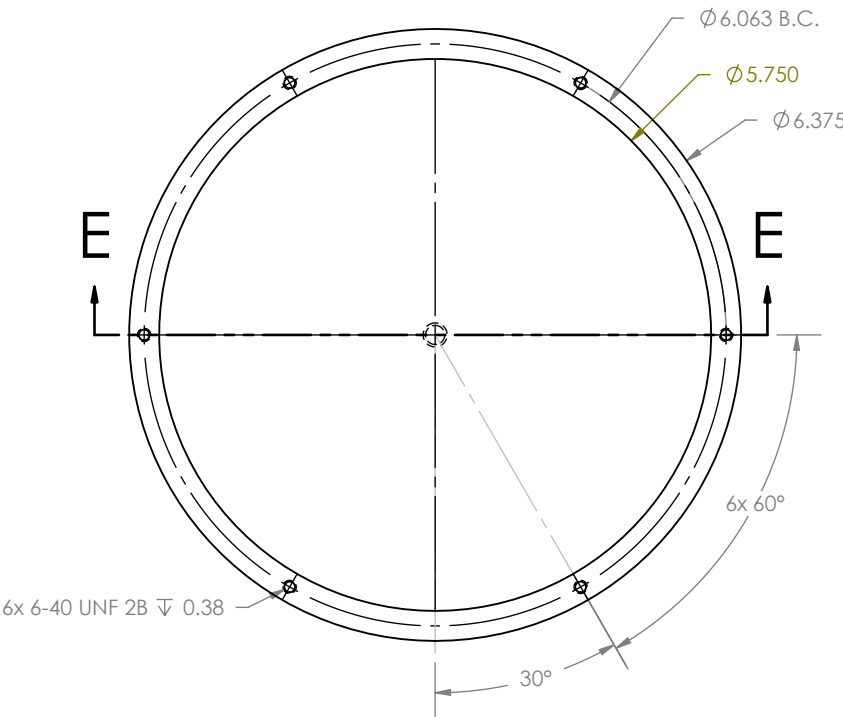
NOTE: 6. Finish: Hard Black Anodized in Accordance with MIL-A-8625F Type III (.001" Thick)

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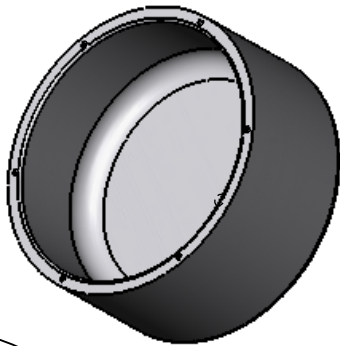
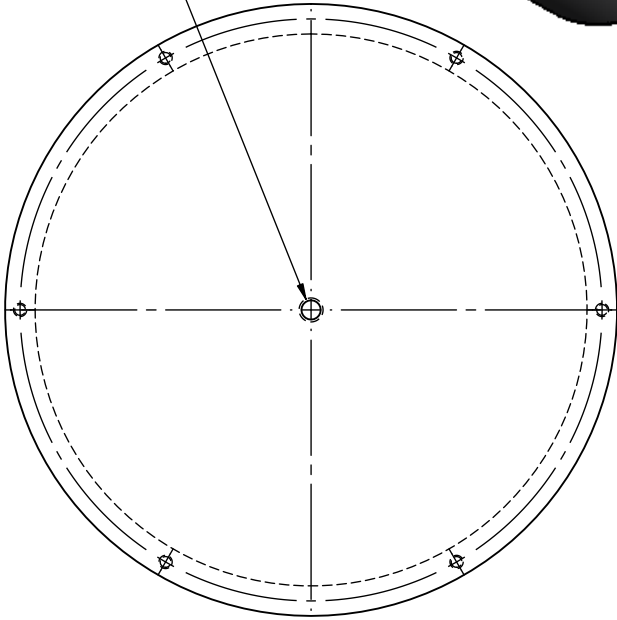
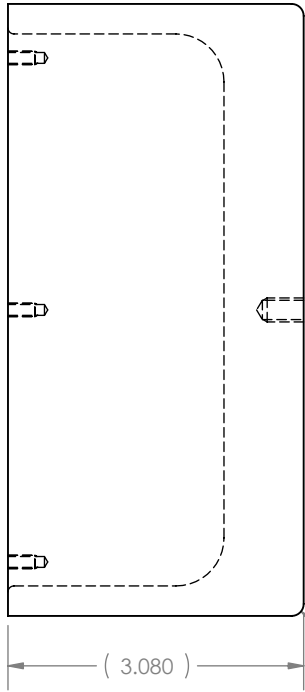
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		



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	
MARS SIIM			SHEET 1 OF 1	
1000 Meter Pressure Housing			DWG. NO. 1003256.DWG	
SIZE B			REV.	

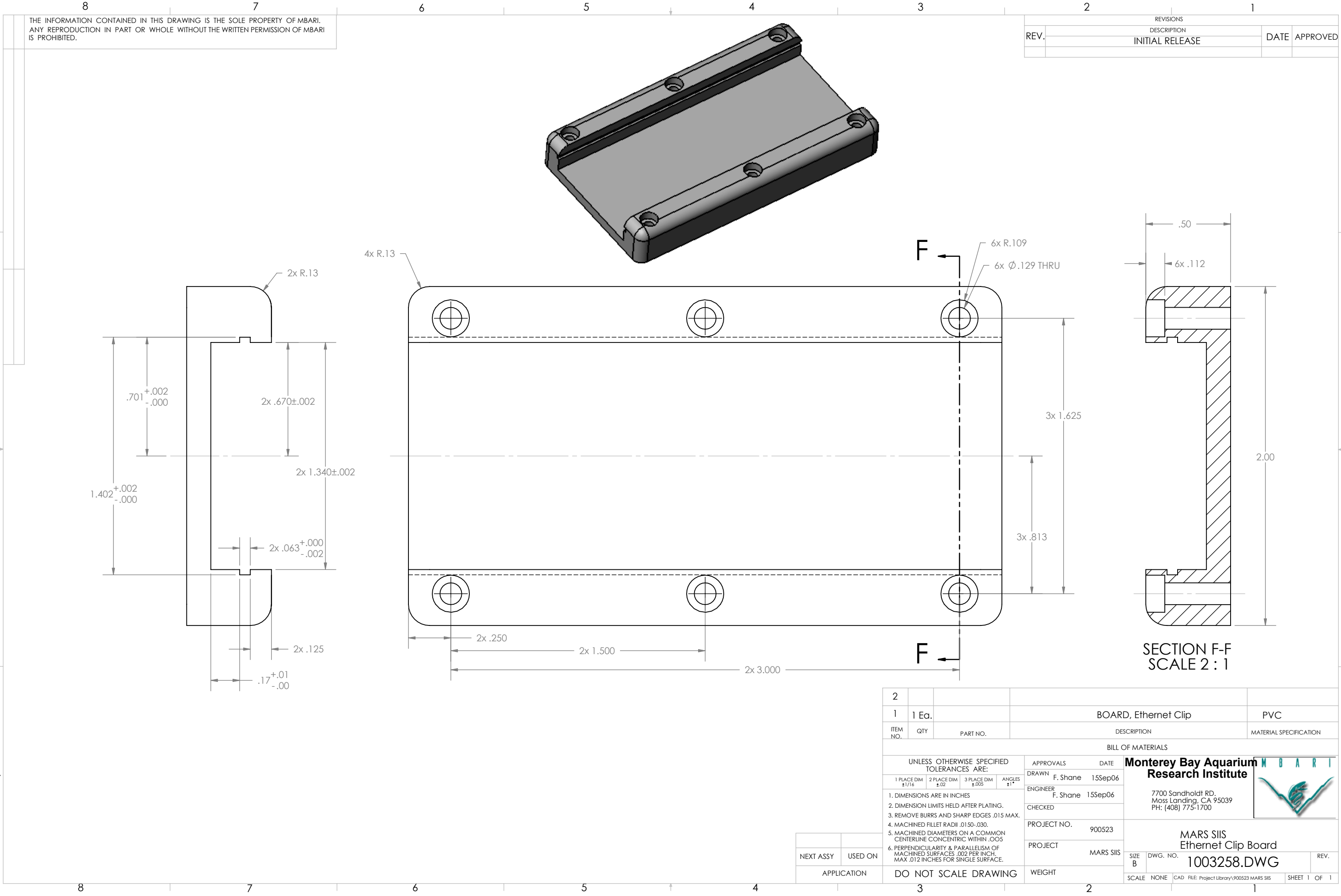
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MARS SIIM
1000 Meter Pressure Housing

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



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

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PH: (408) 775-1700



MARS SIIS
Ethernet Clip Board

SIZE B DWG. NO. 1003258.DWG

REV.