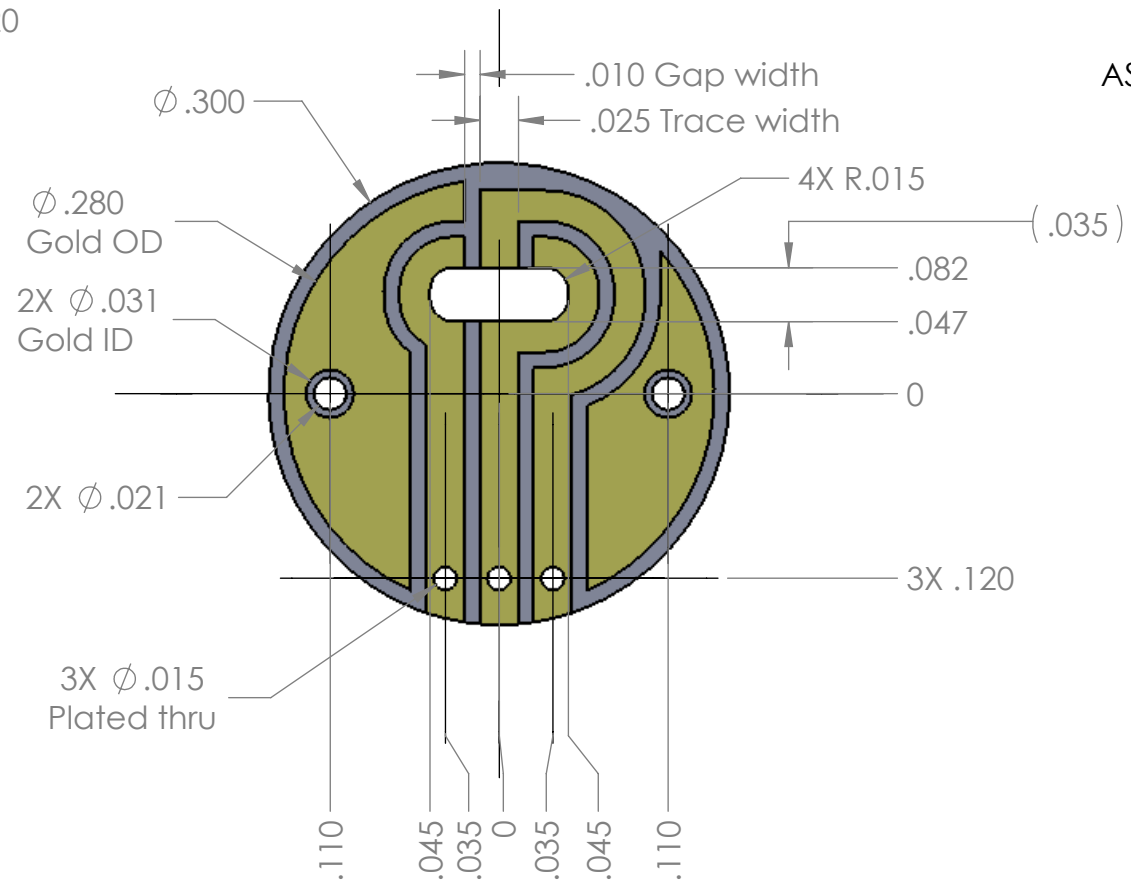
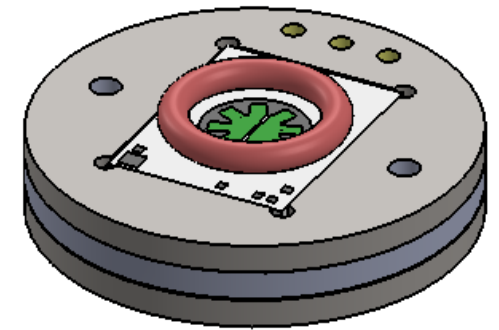
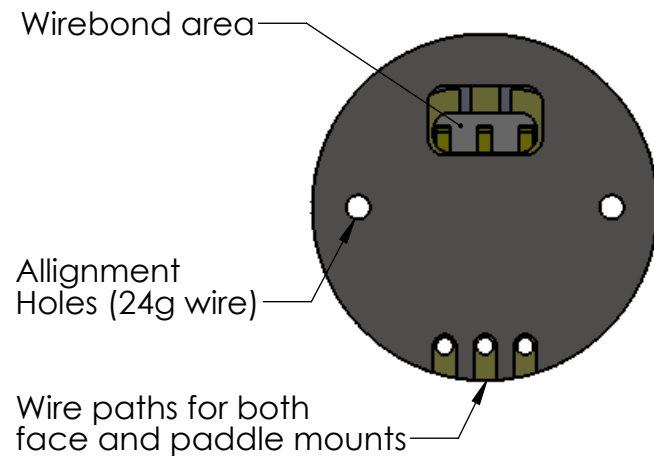
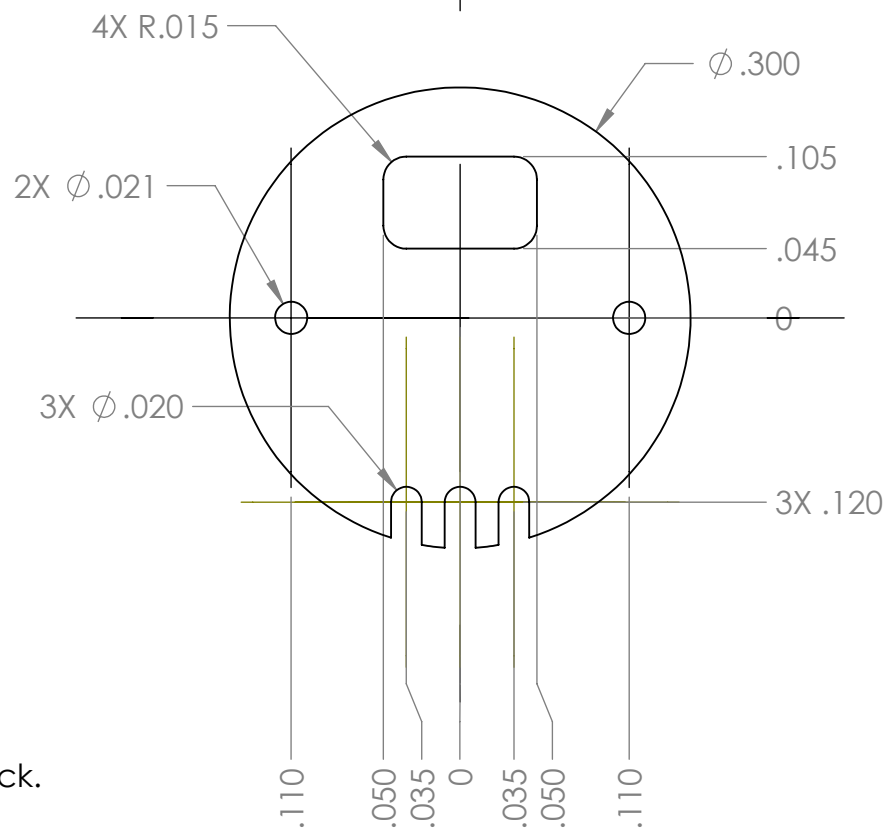
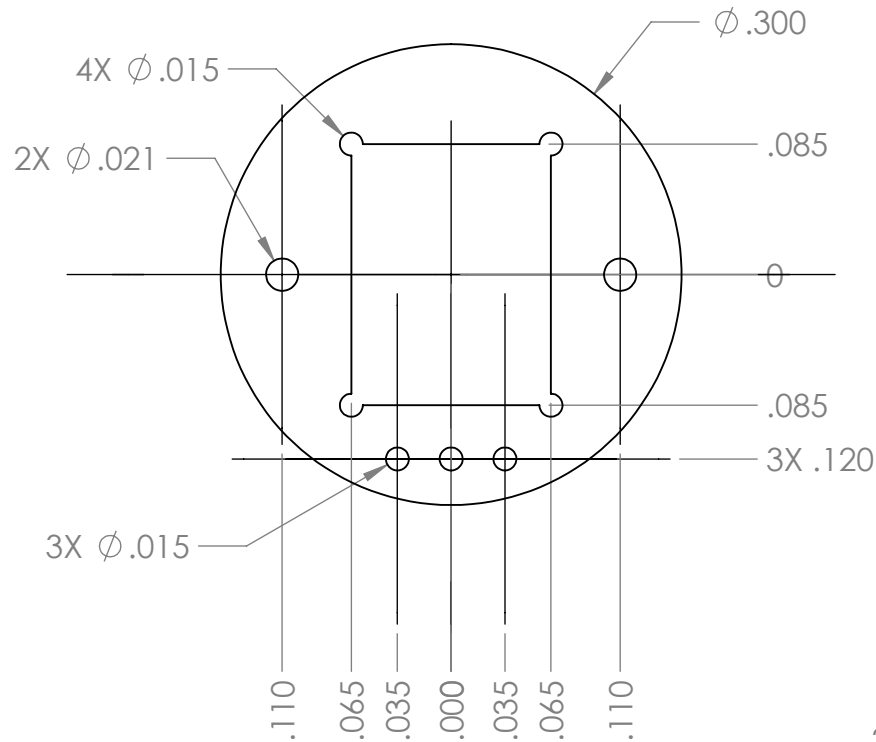
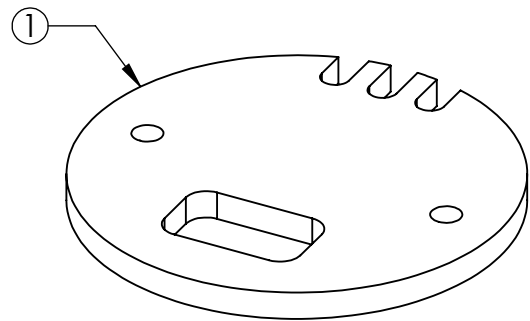
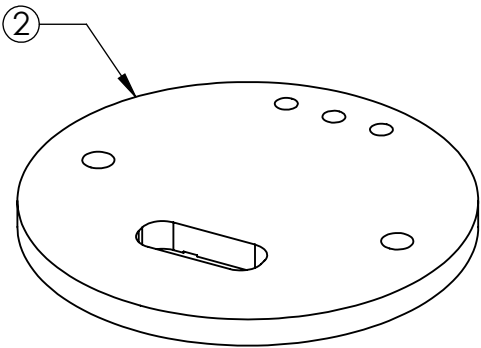
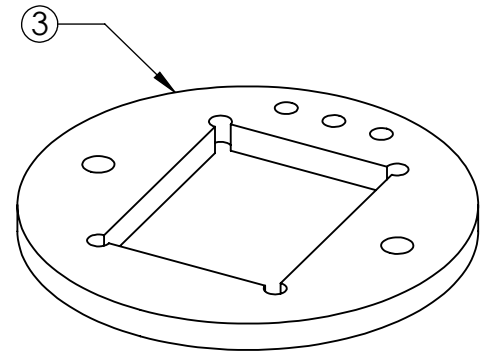


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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		

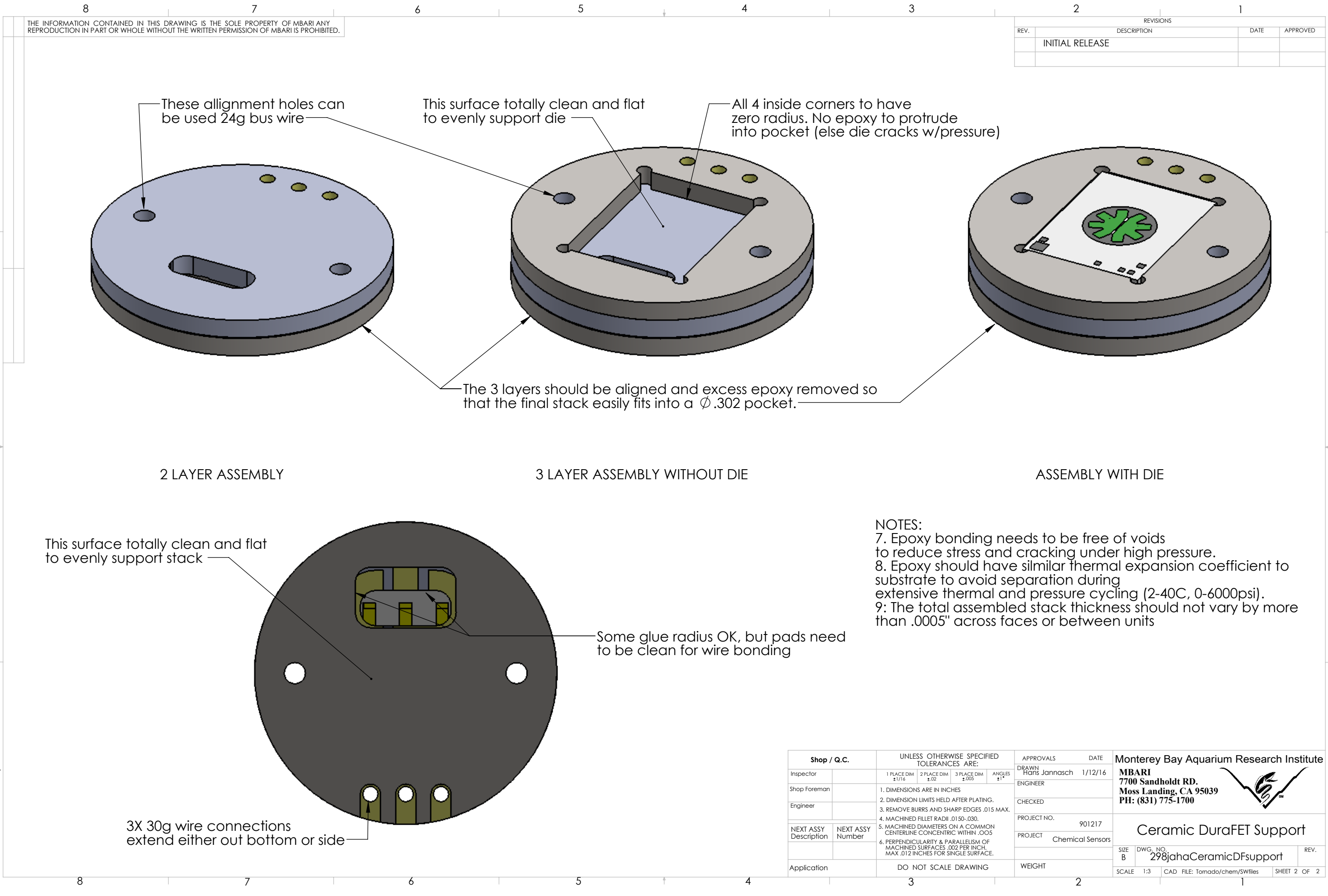


NOTES:

7. Part 1 should be .0195 to .0200 thick.
8. Part 2 can be thicker than .020";
up to .040" for added stiffness.
9. Part 3 should be .020+/- .001"
- 10: The total assembled stack thickness
should not vary by more than .0005",

3	1		Top Retainer	.020" Ceramic or G4
2	1		Center Ceramic	.020" Ceramic
1	1		Bottom Support	.020" Ceramic
Item No.	Qty	Part No.	Description	Material Specification

Bill of Materials									
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE	
Inspector		1 PLACE DIM ±.1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN Hans Jannasch	1/12/16		
Shop Foreman		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		Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 	
Engineer						CHECKED			
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO. 901217			
						PROJECT Chemical Sensors			
Application		DO NOT SCALE DRAWING				WEIGHT		SIZE B DWG. NO. 298JahaCeramicDFsupport REV.	
						SCALE 1:3 CAD FILE: Tornado/chem/SWfiles SHEET 1 OF 2			



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	INITIAL RELEASE		

2 LAYER ASSEMBLY

3 LAYER ASSEMBLY WITHOUT DIE

ASSEMBLY WITH DIE

NOTES:
7. Epoxy bonding needs to be free of voids to reduce stress and cracking under high pressure.
8. Epoxy should have similar thermal expansion coefficient to substrate to avoid separation during extensive thermal and pressure cycling (2-40C, 0-6000psi).
9: The total assembled stack thickness should not vary by more than .0005" across faces or between units

Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS	DATE	Monterey Bay Aquarium Research Institute			
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN Hans Jannasch	1/12/16	MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700			
Shop Foreman		1. DIMENSIONS ARE IN INCHES				ENGINEER					
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.				CHECKED		 Ceramic DuraFET Support			
NEXT ASSY Description	NEXT ASSY Number	3. REMOVE BURRS AND SHARP EDGES .015 MAX.				PROJECT NO.	901217				
		4. MACHINED FILLET RADII .0150-.030.				PROJECT	Chemical Sensors	SIZE B			
		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.						DWG. NO. 298jahaCeramicDFsupport			
Application		DO NOT SCALE DRAWING				WEIGHT		SCALE 1:3			
								CAD FILE: Tornado/chem/SWfiles			
								SHEET 2 OF 2			