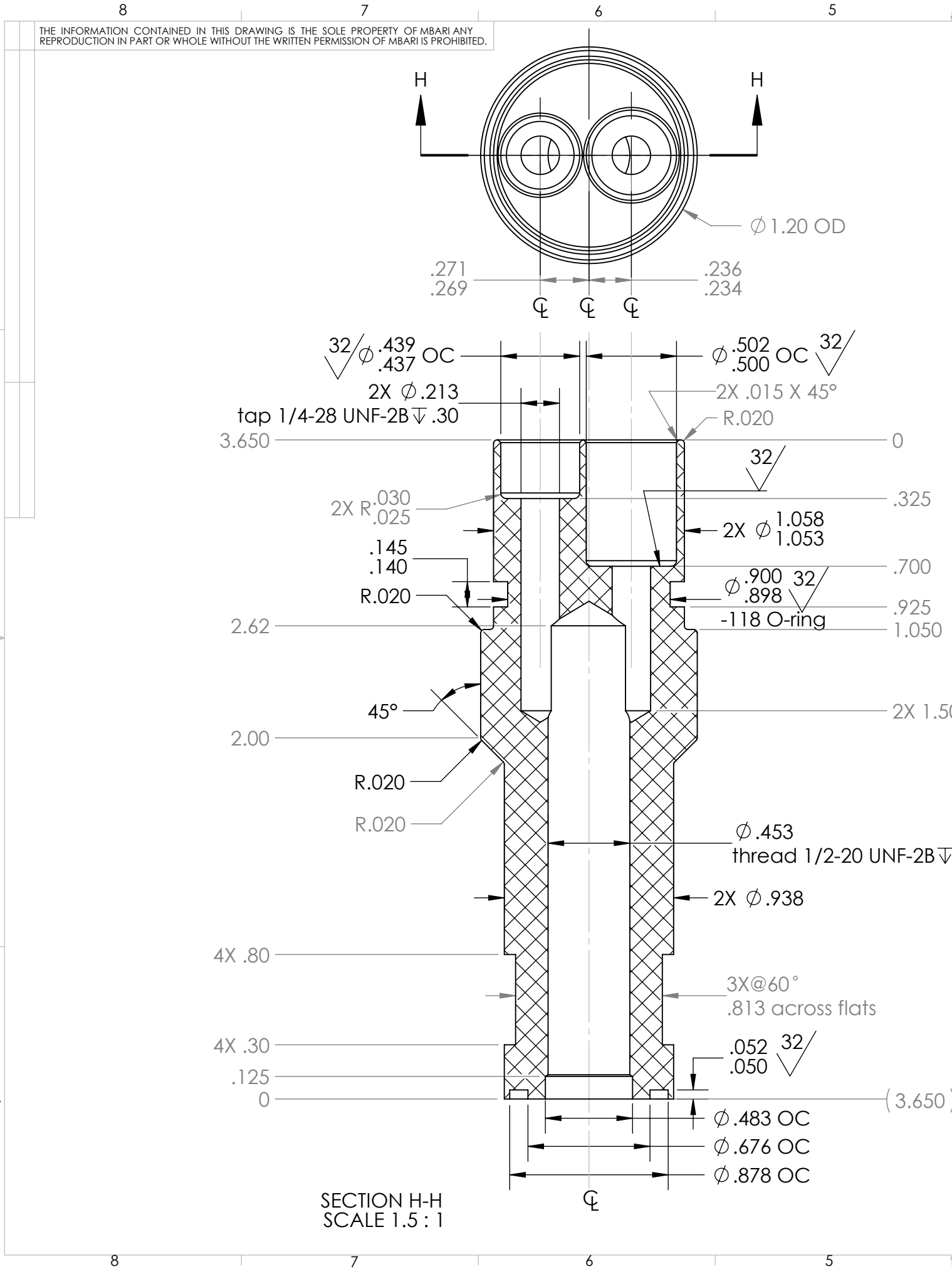




1		1		PNA Stem		PEEK (natural)		
Item No.		Qty	Part No.	Description		Material Specification		
Bill of Materials								
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:			APPROVALS	DATE	Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700  APEX DuraFET Stem	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN Hans Jannasch 11/7/14		
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	CHECKED		
Engineer					PROJECT NO.	708116.98		
NEXT ASSY Description	NEXT ASSY Number				PROJECT	SOCCOM		
Application		DO NOT SCALE DRAWING			WEIGHT	SIZE B	DWG. NO. 282jaha-APEX_DuraFETstem	REV.
		3			2	SCALE 1:3	CAD FILE: Tornado/chem/SWfiles	SHEET 1 OF 2

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		

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MBARI
7700 Sandholdt RD.
Moss Landing, CA 95039
PH: (831) 775-1700

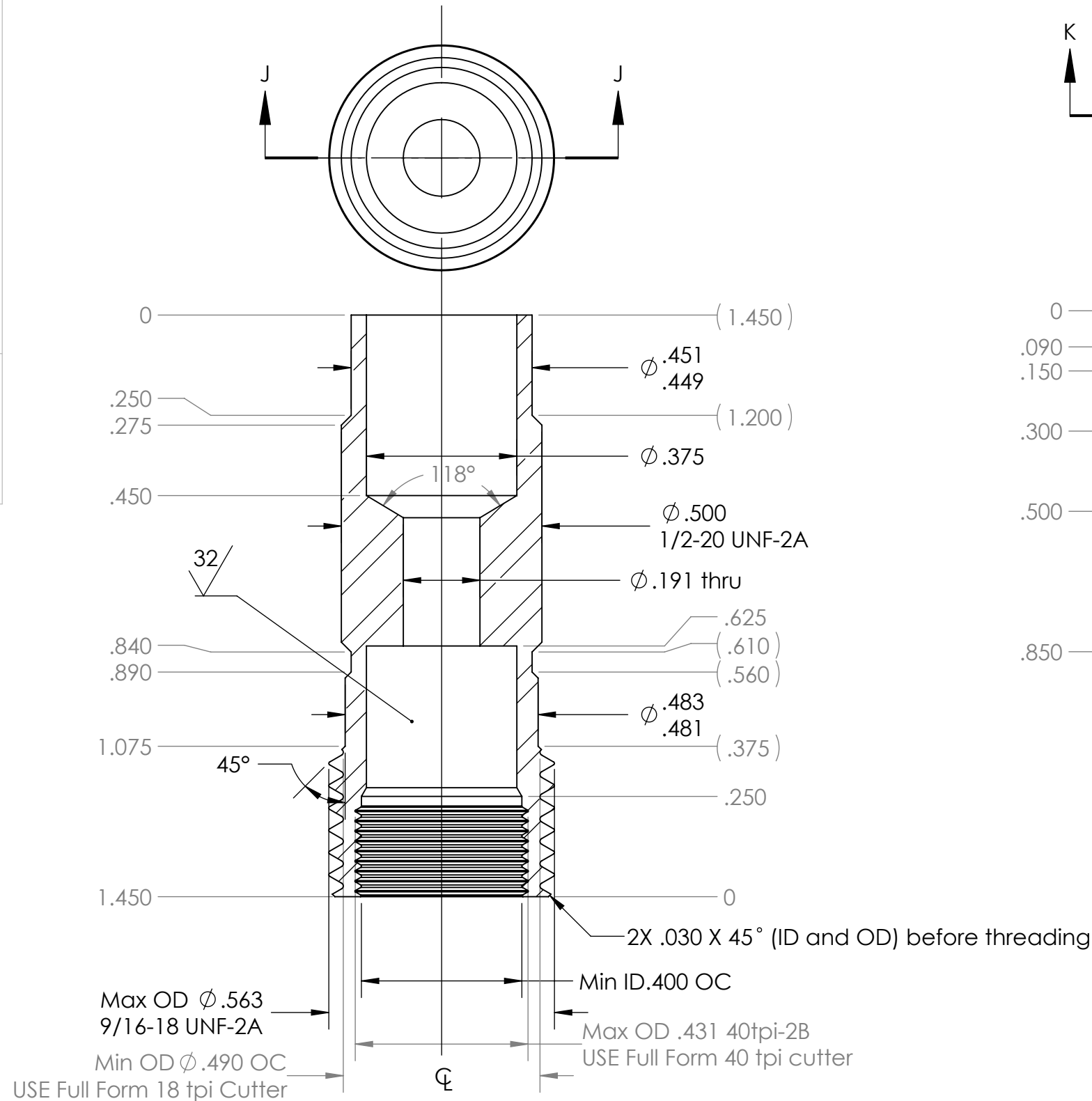


APEX DuraFET Stem

SCALE	1:3	CAD	FILE: Tornado/chem/SWfiles	SHEET	1	OF	2
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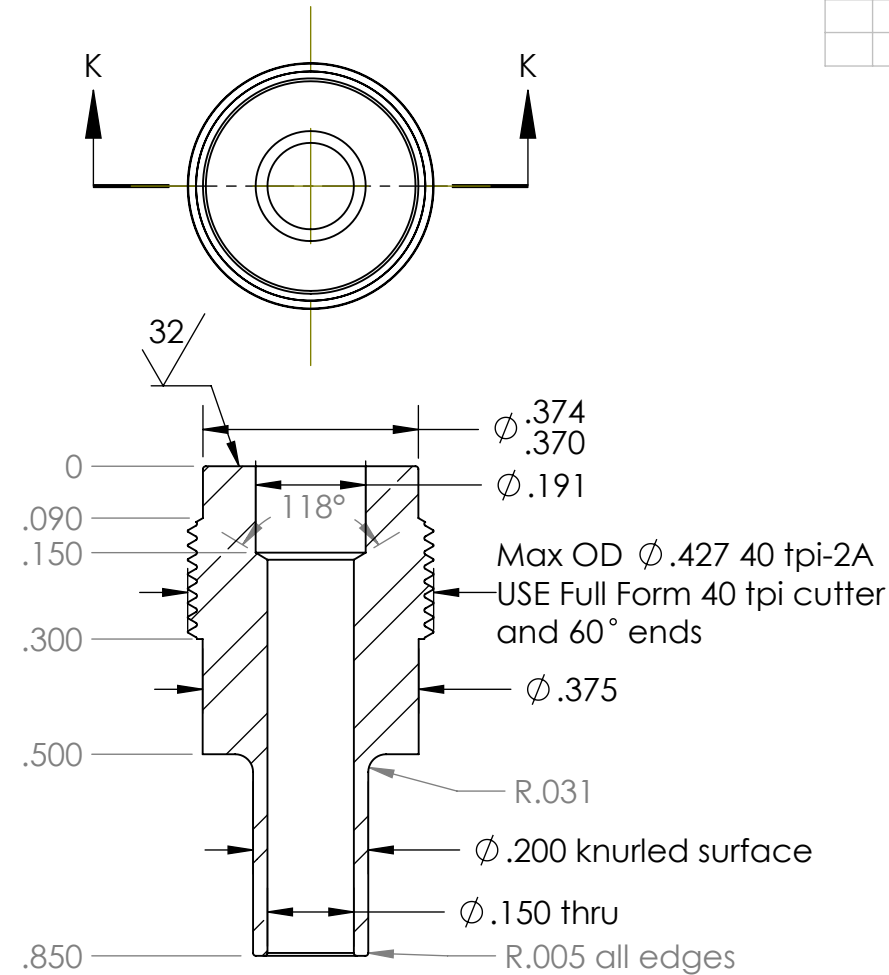
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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		

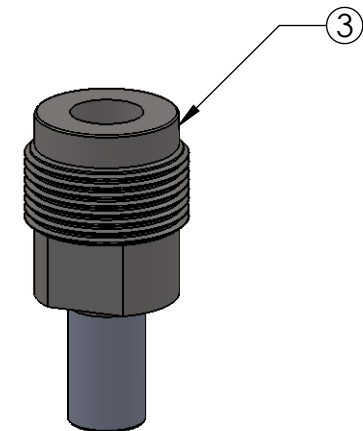
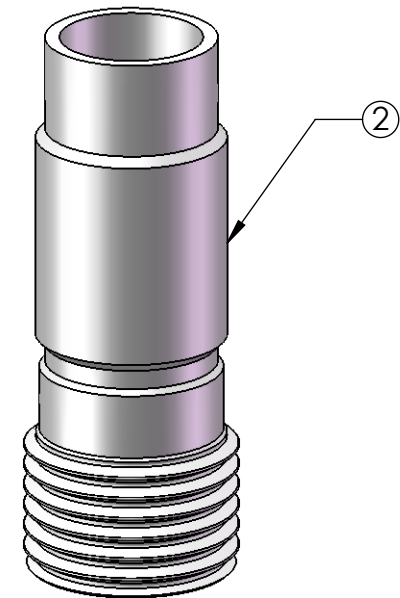


SECTION J-J
SCALE 3 : 1

NOTE 7: Parts 1, 2 and 3 should screw together easily
NOTE 8: Use full form thread cutters, e.g.:
18tpi: Sandvic 266RG-16UN03A180m
40tpi: Sandvic CXS-04TH070MM-4215R



SECTION K-K
SCALE 3 : 1



3	1		pH Stem Retainer	316 Stainless Steel
2	1		pH Stem Connector	316 Stainless Steel
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
Shop Foreman		1. DIMENSIONS ARE IN INCHES		DRAWN Hans Jannasch 11/7/14
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.		
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.		ENGINEER
		4. MACHINED FILLET RADII .0150-.030.		CHECKED
NEXT ASSY Description	NEXT ASSY Number	5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005		PROJECT NO. 708116.98
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.		PROJECT SOCCOM
Application		DO NOT SCALE DRAWING		WEIGHT
		3		2
Monterey Bay Aquarium Research Institute				
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7700 Sandholdt RD.				
Moss Landing, CA 95039				
PH: (831) 775-1700				
				
APEX DuraFET Stem				
SIZE B	DWG. NO. 282jaha-APEX_DuraFETstem		REV. A	
SCALE 1:3	CAD FILE: Tornado/chem/SWfiles		SHEET 2 OF 2	

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APEX DuraFET Stem

SIZE B DWG. NO. 282jaha-APEX_DuraFETstem
SCALE 1:3 CAD FILE: Tornado/chem/SWfiles