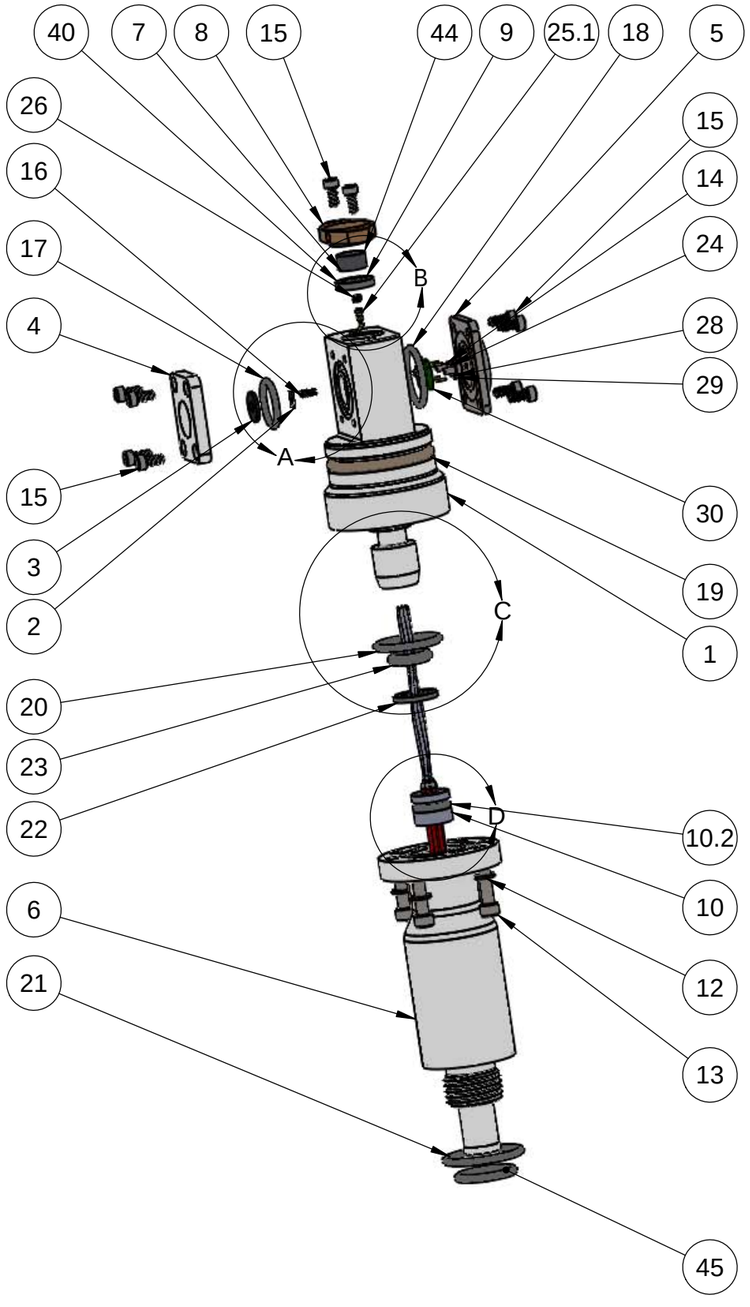


MBARI BOM

ITEM NO.	Revision	SW-File Name(File Name)	Vendor	VendorNo	Dwg Num	ASSY. QTY.
1	O	Housing	MBARI		100221678	1
2	E	DuraFETchip6	MBARI CFE			1
3	D	duraFETFaceGasket_Viton_D75A	McMaster Carr	86075K21	100221683	1
4	D	FrontCoverPlateTallShoulder	MBARI		100221681	1
5	G	backCoverPlate	MBARI		100221684	1
6	F	portAdapter	MBARI		100221685	1
7	E	VLRefPelletAlteredItem	Van London	Chloride ISE Pellet 7.2mm x 4.6mm MBARI-001 use MBARI Pin and Die	100221686	1
8	G	VLRefElectrodeCap	MBARI		100221687	1
9	E	ORingSquare-010	McMaster Carr	4061T115		1
10	D	PaveTech16321				1
10.1	E	PaveTech16321	Pave Technology	16321		1
10.2	D	ORingViton-10	Pave Technology			1
12	D	regular lw 0.112	United Titanium	1-01-322-00.00		4
13	D	hx-shcs 0.112-40x0.375x0.375-n	McMaster-Carr	95435A350		4
14	D	hx-shcs 0.06-80x0.125x0.125-n	McMaster Carr	92196A052		2
15	E	SHCS Ti2-56x0.188	McMaster Carr	95435A207		10
16	D	Fuzzbutton	Custom Interconnects	80-020125		3
17	D	ORing1.5x10mm_Buna_D70A	McMaster Carr	9262K127		1
18	D	1.5x13mmORing_Buna_D70A	McMaster Carr	9262K123		1
19	D	ORing-118_Silicon_D70A	McMaster Carr	9396K75		1
20	D	ORing-015_Buna_D70A	McMaster Carr	4198T511		1
21	D	ORing-017_Viton_D75A	McMaster Carr	9464K71		1
22	D	backupRing108	McMaster Carr	5288T163 (MC special order)		1
23	D	MIL SPEC O-RING-108	McMaster-Carr	5018T533		1
24	D	sbhcscrew 0.06-80x0.125-hx-n	McMaster-Carr	92949A050		1
25	D	VLPelletContact			100221688	1
25.1	G	VLPelletContactAlteredItem	Mill-Max	0286-0-00-34-00-00-03-0		1
25.2	G	Wire	Weico	2330		1
25.3	G	VLPelletWireSolder	Kester	24-6337-8808 or 24-6337-9756 or AIM SN100C		1
26	E	VLPelletFuzzButton	Custom Interconnects	80-075075		1
28	D	Stainless Steel Split Lock Washer	McMaster-Carr	92146A510		1
29	D	18-8 Stainless Steel Washer	McMaster-Carr	9214A002		1
40		Hanes Silicone Grease				1
44		Lapping Paper 9 micron	McMaster-Carr	4837A118		1
45		VitonO-Ring 3-906 D90A	McMaster-Carr	9752K116		1
30	D	PWB4			100221659 and 100221480	1

BILL OF MATERIALS

NEXT ASSY Description	NEXT ASSY Number	UNLESS OTHERWISE SPECIFIED TOLERANCES ARE: 1 PLACE DIM ±1/16 | 2 PLACE DIM ±.02 | 3 PLACE DIM ±.005 | ANGLES ±1°	APPROVALS	DATE
			DRAWN Gene M.	
			ENGINEER Gene M.	
			CHECKED	

THIRD ANGLE PROJECTION

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.

DO NOT SCALE DRAWING

PROJECT NO. 901217
PROJECT Chem Sensors
MATL

Monterey Bay Aquarium Research Institute
M B A R I
7700 Sandholdt Rd.
Moss Landing, CA 95039
831 775-1922

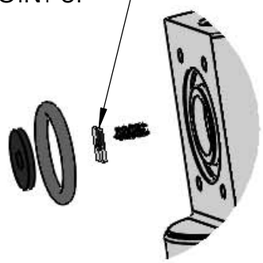
GDF ASSEMBLY

SIZE B | DWG. NO. 100221682 | REV. E

SCALE 1:4 | CAD FILE: | SHEET 1 OF 2

Status: Released to Manufacturing

BACKSIDE TRACES
POINT UP



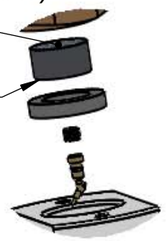
DETAIL A
SCALE 2 : 1.5

SUBSTRATE-DRAIN VOLTAGE
TEST ACROSS THESE 2 PINS

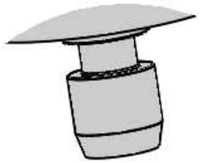
SUBSTRATE-SOURCE VOLTAGE
TEST ACROSS THESE 2 PINS

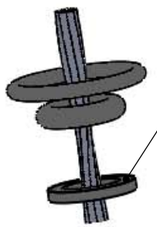
INSTALL MATTE (GRAY)
SIDE UP

SILVER
SIDE DOWN



DETAIL B
SCALE 2 : 1.5





DETAIL C
SCALE 2 : 1.5

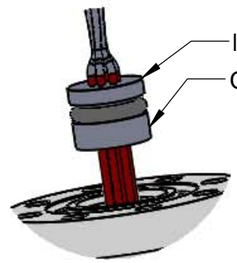
INSTALL BACKUP RING
CUP FACE UP

MAX 1 BROKEN
STRAND

.08

.25

CUT/STRIP WHITE, RED, BLACK
BLUE PAVE WIRES AS SHOWN



INSTALL THIN SIDE UP

GREEN DOT SIDE DOWN

DETAIL D
SCALE 2 : 1.5

Screw Torque Req'ts +/- 10%		
Screw Size	Torque in-lbs	Torque Nm
0-80	1.7	.19
2-56	3	0.34
4-40	3.5	0.40

BILL OF MATERIALS

NEXT ASSY Description	
NEXT ASSY Number	
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:	1 PLACE DIM ±1/16 · 2 PLACE DIM ±.02 · 3 PLACE DIM ±.005 · ANGLES ±1°
THIRD ANGLE PROJECTION	
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 .OOS 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.	
DO NOT SCALE DRAWING	
APPROVALS DATE	
DRAWN Gene M.	
ENGINEER Gene M.	
CHECKED	
PROJECT NO. 901206	
PROJECT Coastal Profiling Float	
MAT'L	

Monterey Bay Aquarium Research Institute
MBARI
7700 Sandholdt Rd.
Moss Landing, CA 95039
831 775-1922

SIZE	DWG. NO.	REV.
B		E
SCALE 1:4	CAD FILE:	SHEET 2 OF 2