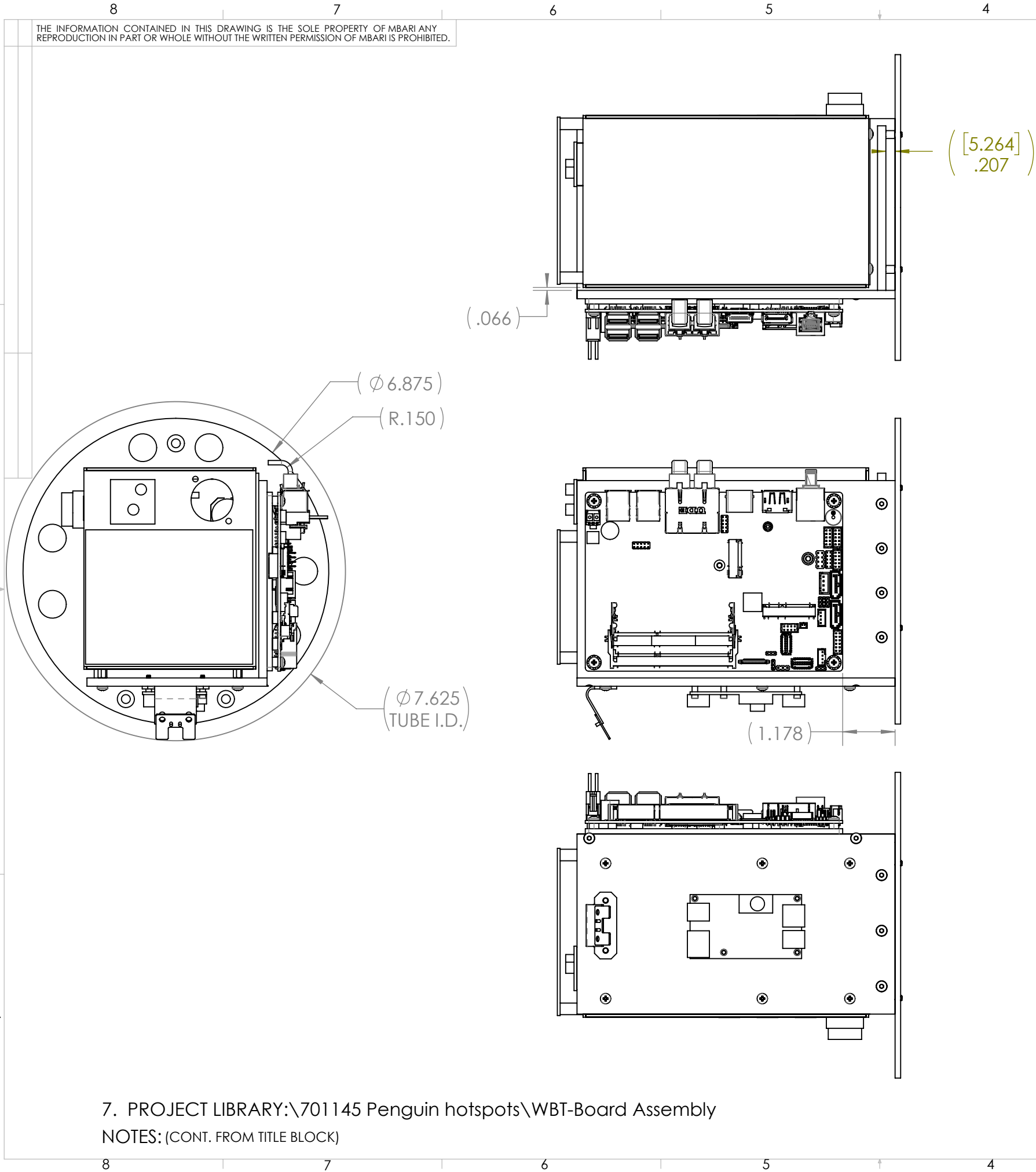
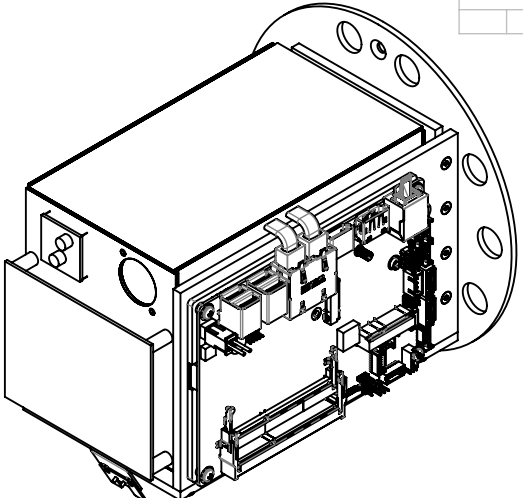




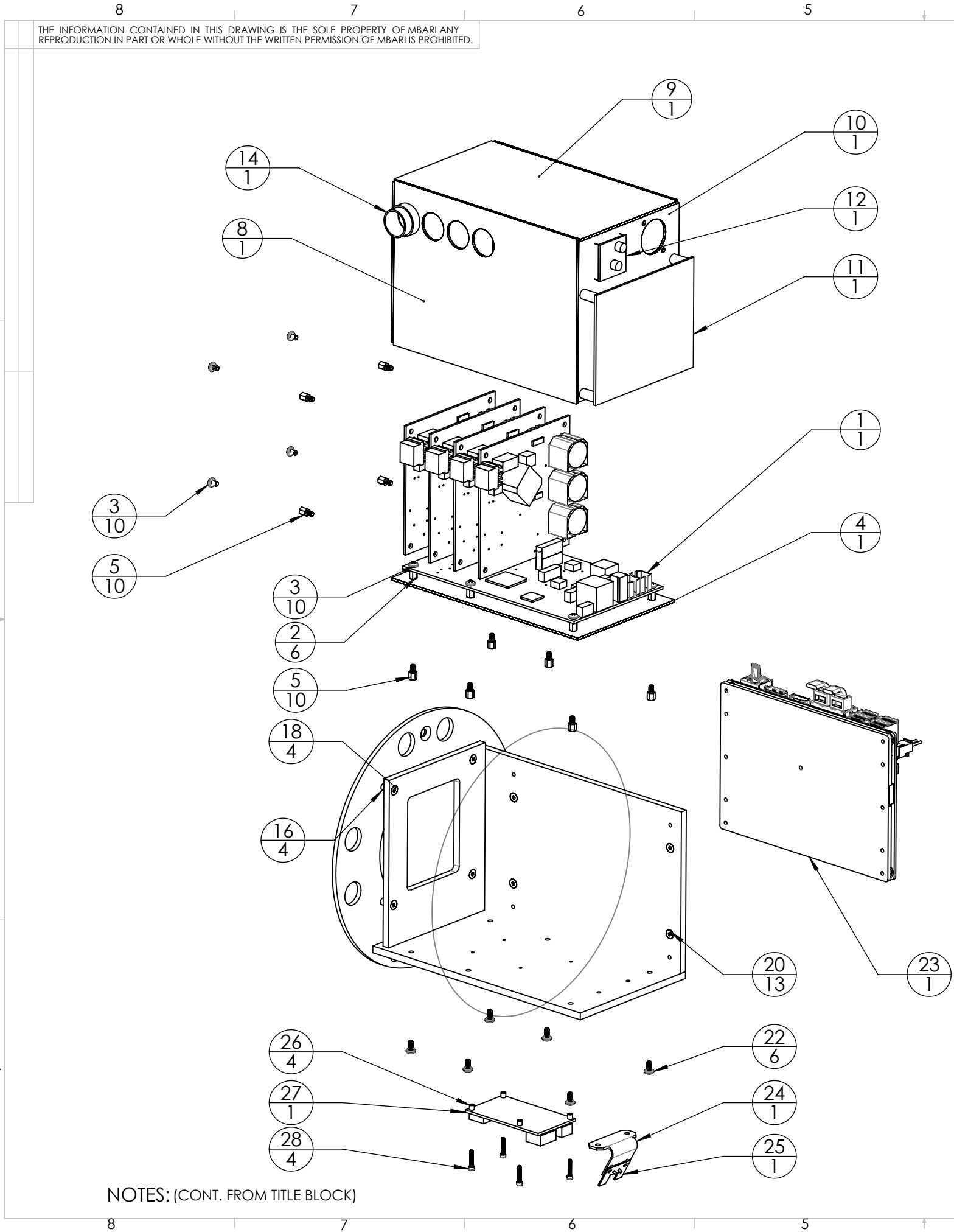
REVISIONS					
INITIAL RELEASE				X/XX/01	J.E.



28	4	92185A081	Super-Corrosion-Resistant 316 Stainless Steel Socket Head Screw		McMaster-Carr Supply Company	316 Stainless Steel
27	1		Linear ??			
26	4	94639A460	No.2 x 1/8 Long Off-White Nylon Unthreaded Spacer		McMaster-Carr Supply Company	Nylon 6/6 Plastic
25	1	101485A	Water Sensor		??????	
24	1	P-221633-21	R.P. Water Sensor Bracket		MBARI	
23	1	P-221623-21	Diving Board Base Plate	B	MBARI	6061-T6 Alloy
22	1	P-221622-21	CPU Base Plate		MBARI	6061-T6 Alloy
21	1	P-221412-20	WBT End Plate		MBARI	6061-T6 Alloy
20	1	P-221409-20	E-Case Mount Plate		MBARI	6061-T6 Alloy
19	1		Copper Tube Sleeve			
18	4	93395A209	M3-0.5 x 14mm Soc Flt Hd		McMaster-Carr	AISI 316
17	4	94669A099	M3 x 5mm Spacer		McMaster-Carr	6061-T6 Alloy
16	13	93395A198	M3-0.5x6mm Flt Hd		McMaster-Carr	AISI 316
15	6	90116A151	M3-0.5 x 6mm Pan Hd Phill		McMaster-Carr	AISI 316
14	10	90116A147	M3-0.5 x 4mm Pan Hd Phill		McMaster-Carr	AISI 316
13	1		Choke Board			
12	1		Linear ??			
11	1	P-221xxx-21	Shield Box Front		MBARI	Material <not specified>
10	1	P-221xxx-20	Shield Box Top		MBARI	Material <not specified>
9	1		Copper Tube Sleeve			
8	1	P-221xxx-21	Shield Box Left Side		MBARI	Material <not specified>
7	1	P-221xxx-21	Shield Box Right Side		MBARI	Material <not specified>
6	1	P-221xxx-21	Shield Box Back Side		MBARI	Material <not specified>
5	10	98952A102	M3-0.5 x 5mm Hex Stnd Off		McMaster-Carr	6061-T6 Alloy
4	1		CPU Assembly			
3	6	95947A507	M3-0.5 x 7mm Hex Stnd-Off		MvMaster-Carr	6061-T6 Alloy
2	1		WBT Mini PCB Assembly			
1	1	P-221xxx-21	Shield Box Base		MBARI	Material <not specified>
ITEM NO.		Part_Number	DESCRIPTION	Revision	Vendor	MATERIAL

BILL OF MATERIALS					
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:			DATE
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°
Shop Foreman		1. DIMENSIONS ARE IN INCHES			DRAWN J. ERICKSON 1/xx/20
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.			ENGINEER J. ERICKSON 1/xx/20
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.			CHECKED
		4. MACHINED FILLET RADII .0150-.030.			PROJECT NO. 701145
NEXT ASSY Description	NEXT ASSY Number	5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005			PROJECT PENGUIN HotSpots
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.			WEIGHT 3.441
Application		DO NOT SCALE DRAWING			

Monterey Bay Aquarium Research Institute					
MBARI					
7700 Sandholdt RD.					
Moss Landing, CA 95039					
PH: (831) 775-1700					
					
REMUS - EK80 Assembly					
WBT Board Assembly_V4 (Shielded)					
SIZE B	DWG. NO. A-100221xxx-20.DWG	REV.			
SCALE 1:4	CAD FILE: MECH ENG ON TORNADO	SHEET 1 OF 3			

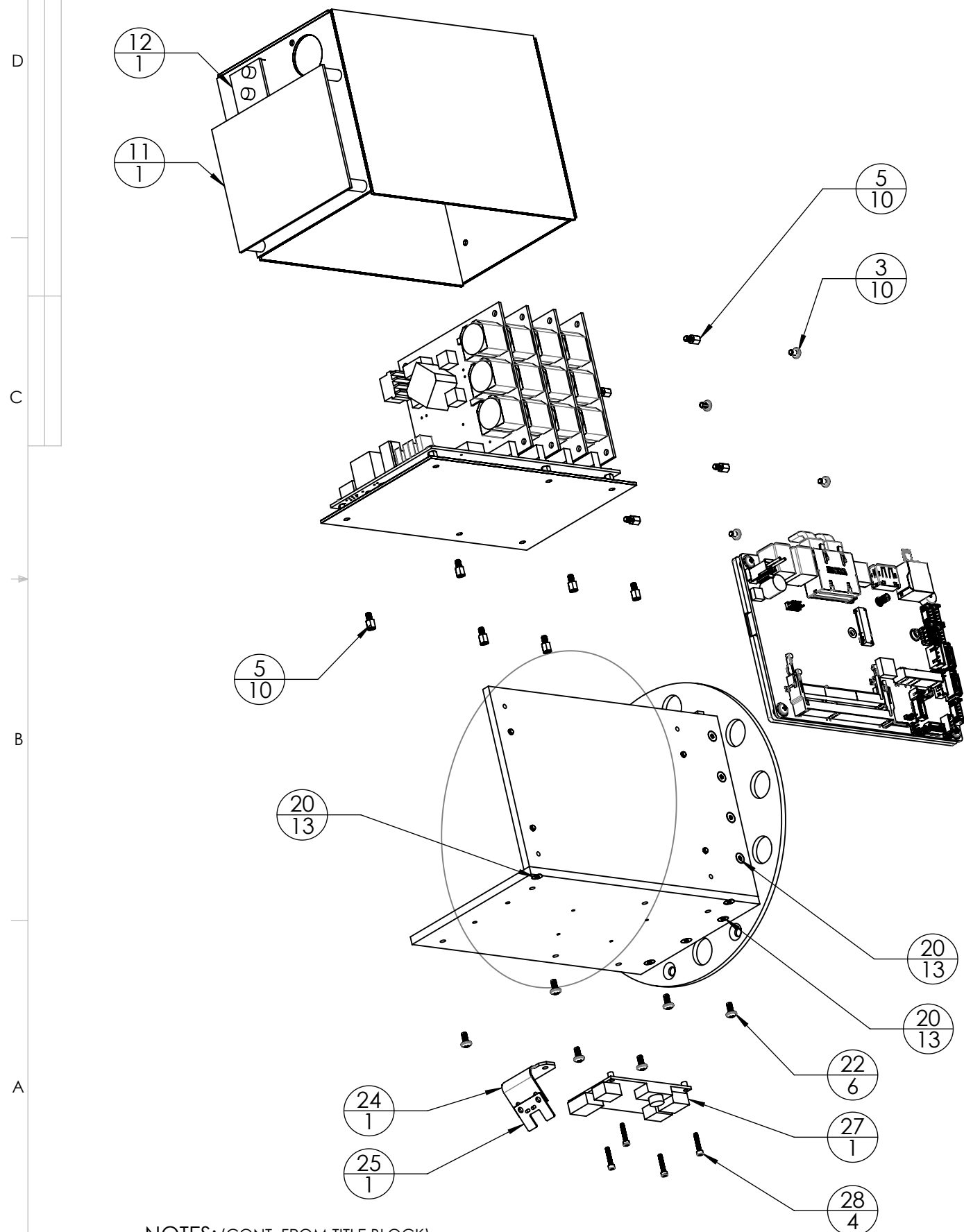


REVISIONS							
REV.	DESCRIPTION					DATE	APPROVED
	INITIAL RELEASE					X/XX/00	J.E.
28	4	4	92185A081	Super-Corrosion-Resistant 316 Stainless Steel Socket Head Screw		McMaster-Carr Supply Company	316 Stainless Steel
27	1	1		Linear ??			
26	4	4	94639A460	No.2 x 1/8 Long Off-White Nylon Unthreaded Spacer		McMaster-Carr Supply Company	Nylon 6/6 Plastic
25	1	1	101485A	Water Sensor		??????	
24	1	1	P-221633-21	R.P. Water Sensor Bracket		MBARI	
23	1	1		CPU Assembly			
22	6	6	90116A151	M3-0.5 x 6mm Pan Hd Phill		McMaster-Carr	AISI 316
21	1	1	P-221623-21	Diving Board Base Plate	B	MBARI	6061-T6 Alloy
20	13	13	93395A198	M3-0.5x6mm Flt Hd		McMaster-Carr	AISI 316
19	1	1	P-221622-21	CPU Base Plate		MBARI	6061-T6 Alloy
18	4	4	93395A209	M3-0.5 x 14mm Soc Flt Hd		McMaster-Carr	AISI 316
17	1	1	P-221412-20	WBT End Plate		MBARI	6061-T6 Alloy
16	4	4	94669A099	M3 x 5mm Spacer		McMaster-Carr	6061-T6 Alloy
15	1	1	P-221409-20	E-Case Mount Plate		MBARI	6061-T6 Alloy
14	1	1		Copper Tube Sleeve			
13	1	1		Copper Tube Sleeve			
12	1	1		Choke Board			
11	1	1		Linear ??			
10	1	1	P-221xxx-21	Shield Box Front		MBARI	Material <not specified>
9	1	1	P-221xxx-20	Shield Box Top		MBARI	Material <not specified>
8	1	1	P-221xxx-21	Shield Box Left Side		MBARI	Material <not specified>
7	1	1	P-221xxx-21	Shield Box Right Side		MBARI	Material <not specified>
6	1	1	P-221xxx-21	Shield Box Back Side		MBARI	Material <not specified>
5	10	10	98952A102	M3-0.5 x 5mm Hex Stnd Off		McMaster-Carr	6061-T6 Alloy
4	1	1	P-221xxx-21	Shield Box Base		MBARI	Material <not specified>
3	10	10	90116A147	M3-0.5 x 4mm Pan Hd Phill		McMaster-Carr	AISI 316
2	6	6	95947A507	M3-0.5 x 7mm Hex Stnd-Off		MvMaster-Carr	6061-T6 Alloy
1	1	1		WBT Mini PCB Assembly			
ITEM NO.	QTY.	QTY.	Part_Number	DESCRIPTION	Revision	Vendor	MATERIAL

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 PROJECT NAME WBT Board Assembly_V4 (Shielded)
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN	J. ERICKSON 1/xx/20	
Shop Foreman		1. DIMENSIONS ARE IN INCHES			ENGINEER J. ERICKSON 1/xx/20			
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX.			CHECKED			
NEXT ASSY Description	NEXT ASSY Number	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.			PROJECT NO. XXX		PROJECT ZZZZZZZZ	
Application		DO NOT SCALE DRAWING			WEIGHT		3.441 lb.	SIZE B DWG. NO. A-100221xxx-20.DWG SCALE 1:4 CAD FILE: MECH ENG ON TORNADO SHEET 2 OF 3 REV.

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	X/XX/00	J.E.



NOTES: (CONT. FROM TITLE BLOCK)

28	4	92185A081	Super-Corrosion-Resistant 316 Stainless Steel Socket Head Screw		McMaster-Carr Supply Company	316 Stainless Steel
27	1		Linear ??			
26	4	94639A460	No.2 x 1/8 Long Off-White Nylon Unthreaded Spacer		McMaster-Carr Supply Company	Nylon 6/6 Plastic
25	1	101485A	Water Sensor		??????	
24	1	P-221633-21	R.P. Water Sensor Bracket		MBARI	
23	1		CPU Assembly			
22	6	90116A151	M3-0.5 x 6mm Pan Hd Phill		McMaster-Carr	AISI 316
21	1	P-221623-21	Diving Board Base Plate	B	MBARI	6061-T6 Alloy
20	13	93395A198	M3-0.5x6mm Flt Hd		McMaster-Carr	AISI 316
19	1	P-221622-21	CPU Base Plate		MBARI	6061-T6 Alloy
18	4	93395A209	M3-0.5 x 14mm Soc Flt Hd		McMaster-Carr	AISI 316
17	1	P-221412-20	WBT End Plate		MBARI	6061-T6 Alloy
16	4	94669A099	M3 x 5mm Spacer		McMaster-Carr	6061-T6 Alloy
15	1	P-221409-20	E-Case Mount Plate		MBARI	6061-T6 Alloy
14	1		Copper Tube Sleeve			
13	1		Copper Tube Sleeve			
12	1		Choke Board			
11	1		Linear ??			
10	1	P-221xxx-21	Shield Box Front		MBARI	Material <not specified>
9	1	P-221xxx-20	Shield Box Top		MBARI	Material <not specified>
8	1	P-221xxx-21	Shield Box Left Side		MBARI	Material <not specified>
7	1	P-221xxx-21	Shield Box Right Side		MBARI	Material <not specified>
6	1	P-221xxx-21	Shield Box Back Side		MBARI	Material <not specified>
5	10	98952A102	M3-0.5 x 5mm Hex Stnd Off		McMaster-Carr	6061-T6 Alloy
4	1	P-221xxx-21	Shield Box Base		MBARI	Material <not specified>
3	10	90116A147	M3-0.5 x 4mm Pan Hd Phill		McMaster-Carr	AISI 316
2	6	95947A507	M3-0.5 x 7mm Hex Stnd-Off		MvMaster-Carr	6061-T6 Alloy
1	1		WBT Mini PCB Assembly			
ITEM NO.	QTY.	Part_Number	DESCRIPTION	Revision	Vendor	MATERIAL

ITEM NO.	QTY.	PART NO.	DESCRIPTION	VENDOR	MATERIAL SPECIFICATION	
BILL OF MATERIALS						
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:			Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005		ANGLES ±1°
Shop Foreman		1. DIMENSIONS ARE IN INCHES				
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.				
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.				
NEXT ASSY Description		NEXT ASSY Number		PROJECT NO. XXX		
				PROJECT ZZZZZZZZ		
Application		DO NOT SCALE DRAWING			WEIGHT 3.441 lb.	
				PROJECT NAME		
				WBT Board Assembly_V4 (SH		
				SIZE B	DWG. NO. A-100221xxx-20 REV. 20	
				SCALE 1:4	CAD FILE: MECH ENG ON TORNADO SHEET 3 OF 3	