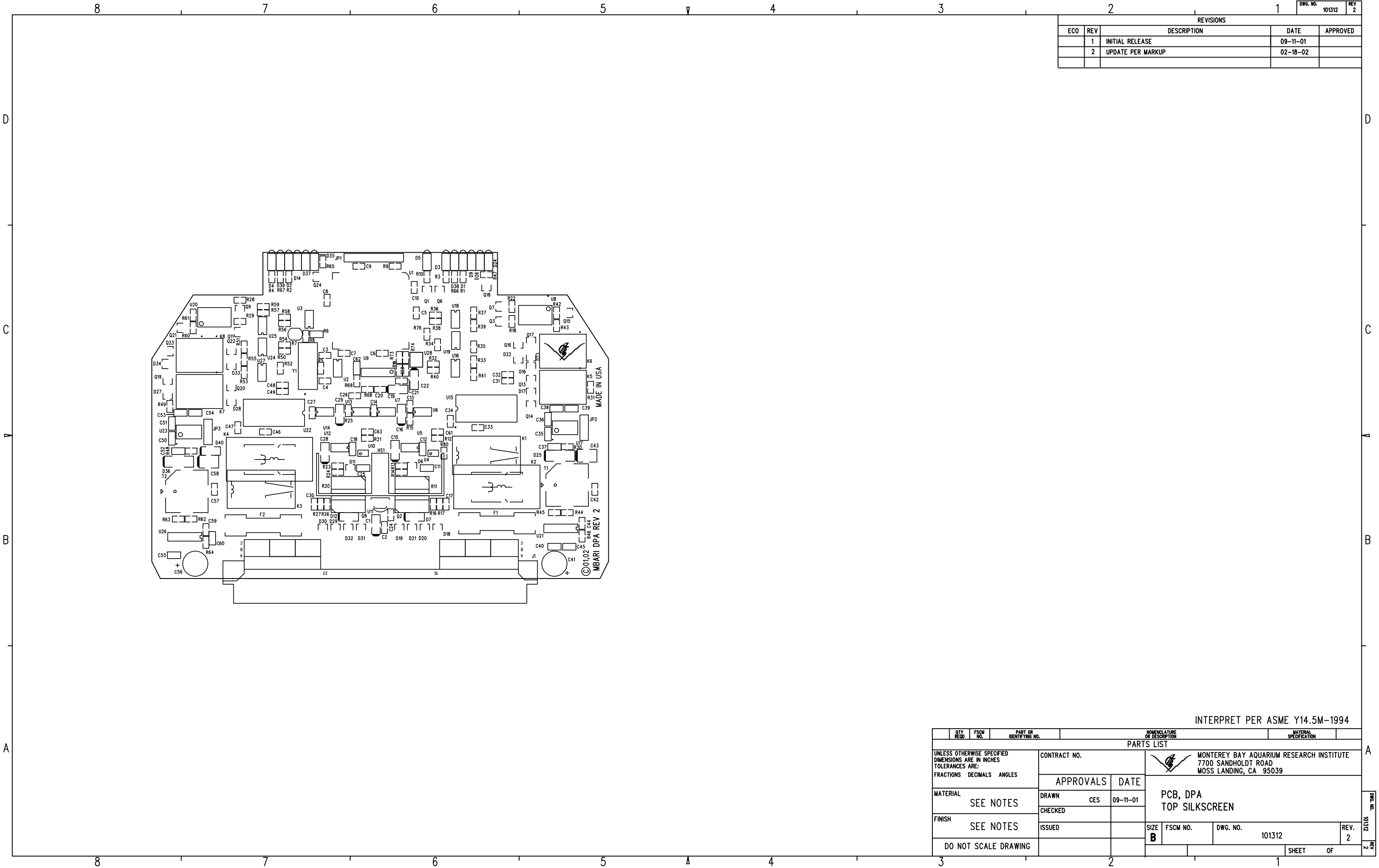




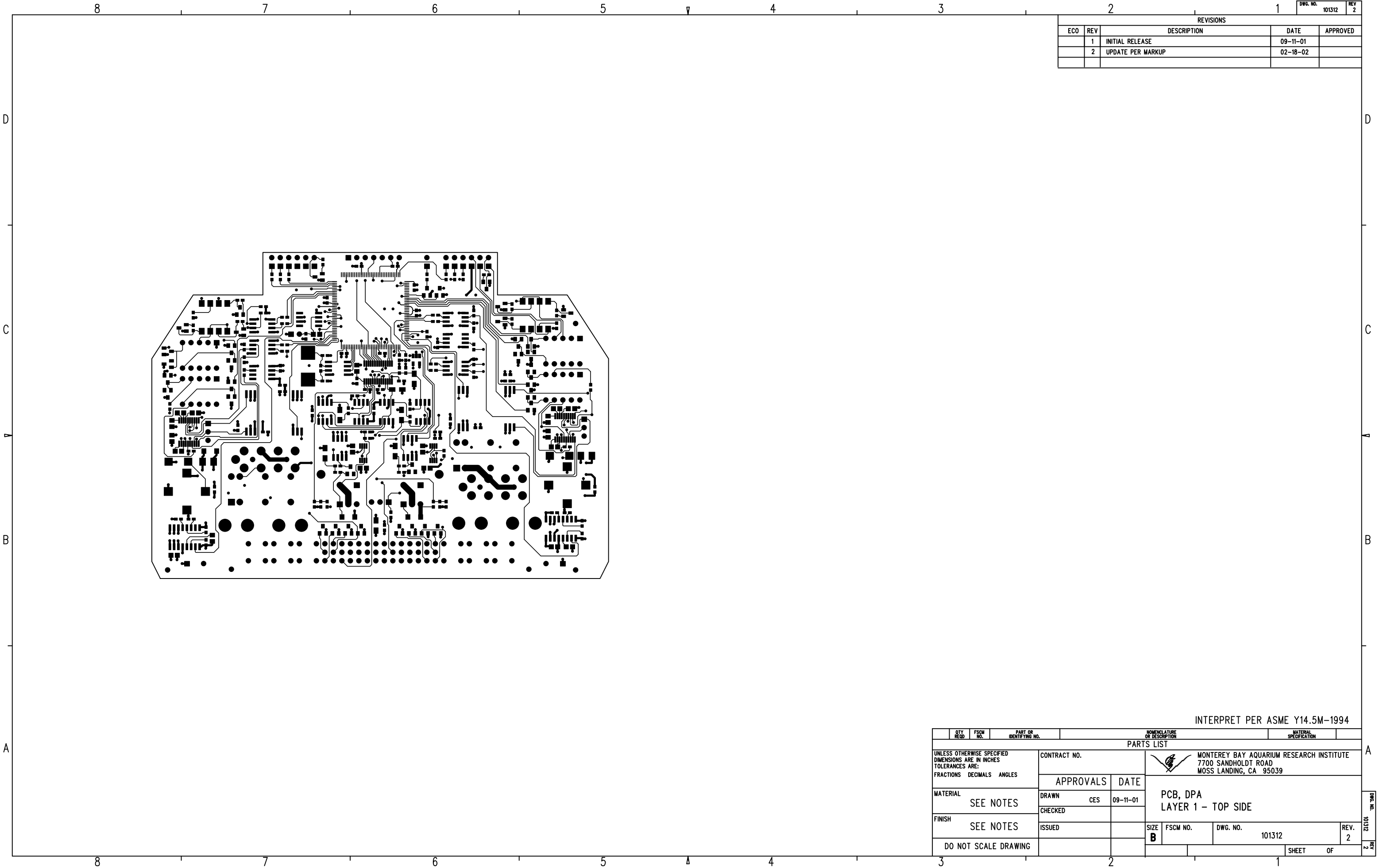
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	1	INITIAL RELEASE	09-11-01	
	2	UPDATE PER MARKUP	02-18-02	

INTERPRET PER ASME Y14.5M-1994												
QTY REQD		FSCM NO.		PART OR IDENTIFYING NO.			NOMENCLATURE OR DESCRIPTION				MATERIAL SPECIFICATION	
PARTS LIST												
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES				CONTRACT NO.		 MONTEREY BAY AQUARIUM RESEARCH INSTITUTE 7700 SANDHOLDT ROAD MOSS LANDING, CA 95039						
				APPROVALS								
MATERIAL SEE NOTES				DRAWN CES		09-11-01		PCB, DPA TOP SILKSCREEN				
				CHECKED								
FINISH SEE NOTES				ISSUED				SIZE FSCM NO.		DWG. NO.		REV.
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DO NOT SCALE DRAWING										SHEET		OF

A

DWG. NO. 101312 2

REV. 2



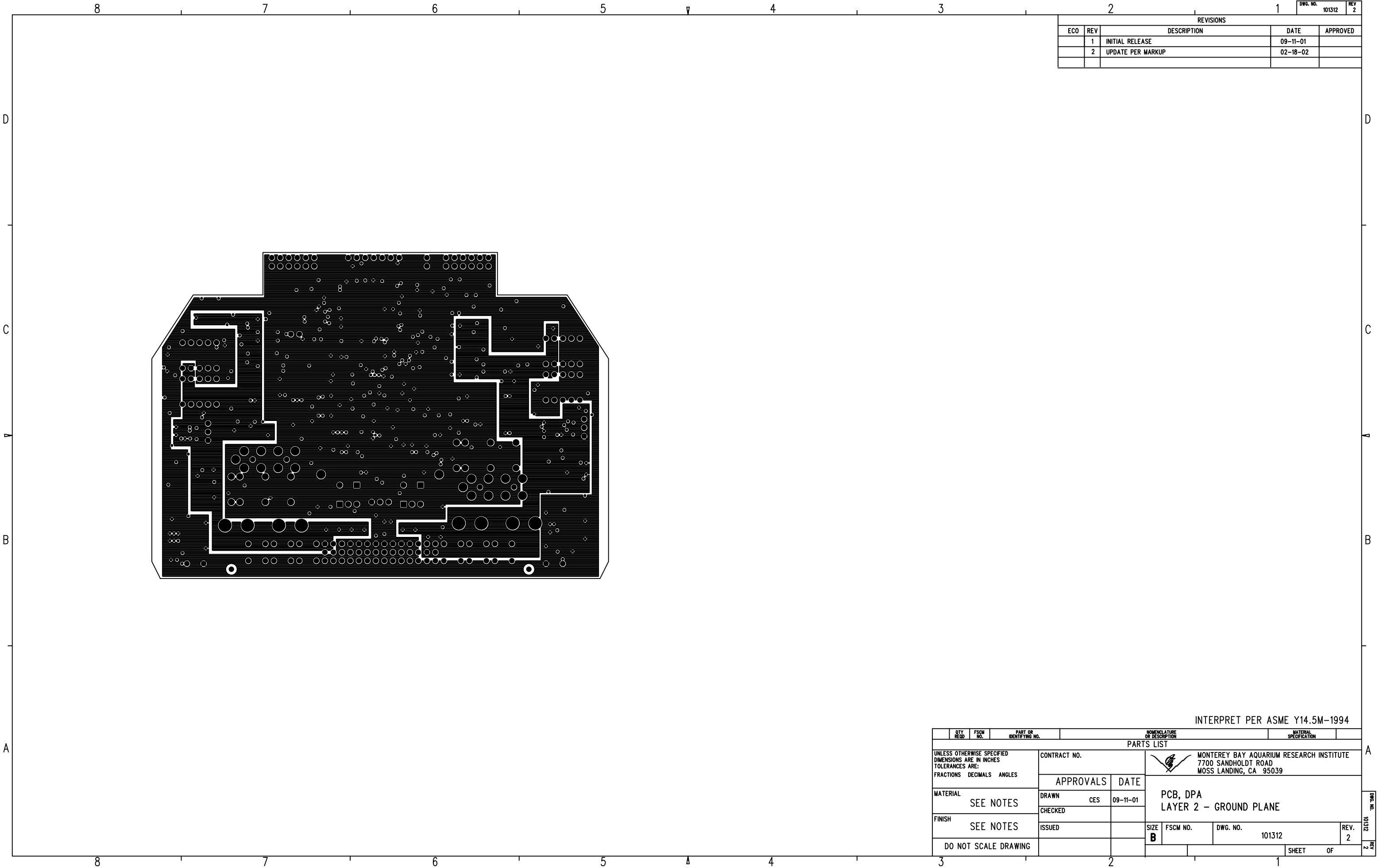
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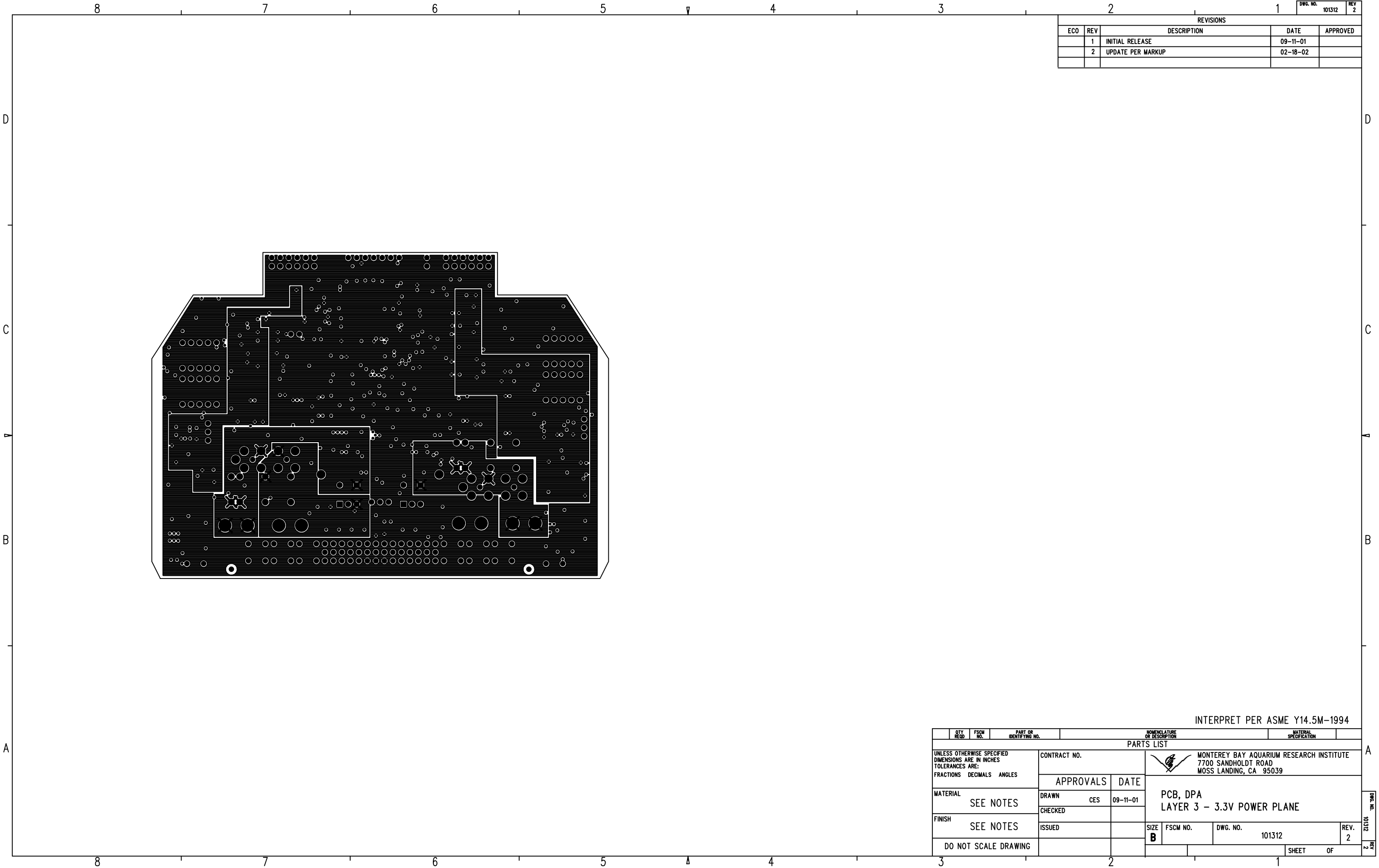
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PARTS LIST												
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES			CONTRACT NO.		 MONTEREY BAY AQUARIUM RESEARCH INSTITUTE 7700 SANDHOLDT ROAD MOSS LANDING, CA 95039							
			APPROVALS							DATE		
			DRAWN		CES	09-11-01	PCB, DPA LAYER 1 - TOP SIDE					
			CHECKED									
MATERIAL		SEE NOTES		ISSUED			SIZE		FSCM NO.	DWG. NO.		REV.
FINISH		SEE NOTES					B			101312		2
DO NOT SCALE DRAWING										SHEET		OF

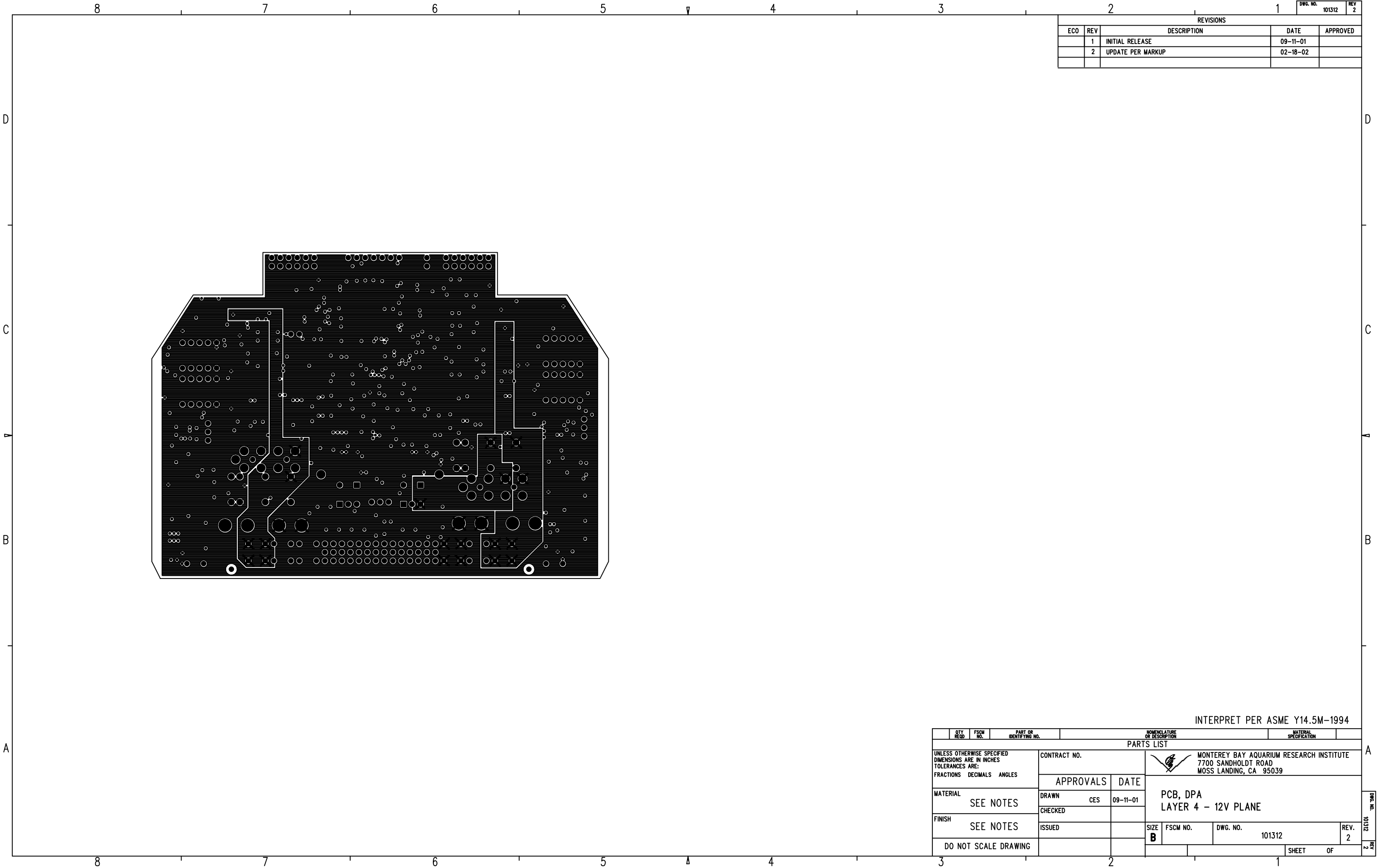
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REV. 2







REVISIONS				
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	2	UPDATE PER MARKUP	02-18-02	

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PARTS LIST												
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES			CONTRACT NO.		 MONTEREY BAY AQUARIUM RESEARCH INSTITUTE 7700 SANDHOLDT ROAD MOSS LANDING, CA 95039							
			APPROVALS							DATE		
			MATERIAL		DRAWN		CES	09-11-01	PCB, DPA LAYER 4 - 12V PLANE			
FINISH		CHECKED										
		ISSUED				SIZE	FSCM NO.		DWG. NO.		REV.	2
DO NOT SCALE DRAWING						B			101312			
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101312

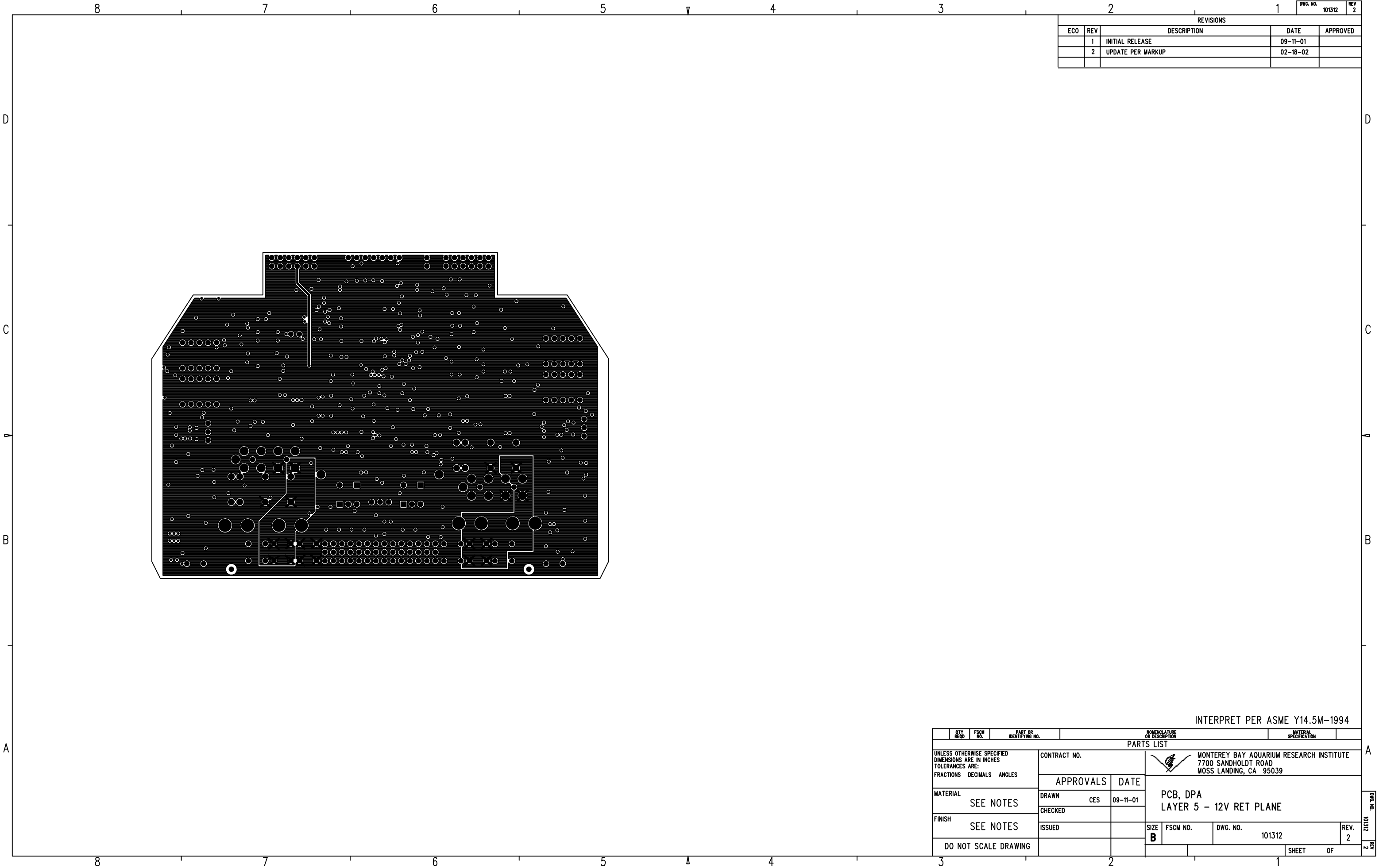
REV 2

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REVISIONS				
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INTERPRET PER ASME Y14.5M-1994												
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PARTS LIST												
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES			CONTRACT NO.		 MONTEREY BAY AQUARIUM RESEARCH INSTITUTE 7700 SANDHOLDT ROAD MOSS LANDING, CA 95039							
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		ISSUED			SIZE	FSCM NO.		DWG. NO.		REV.		
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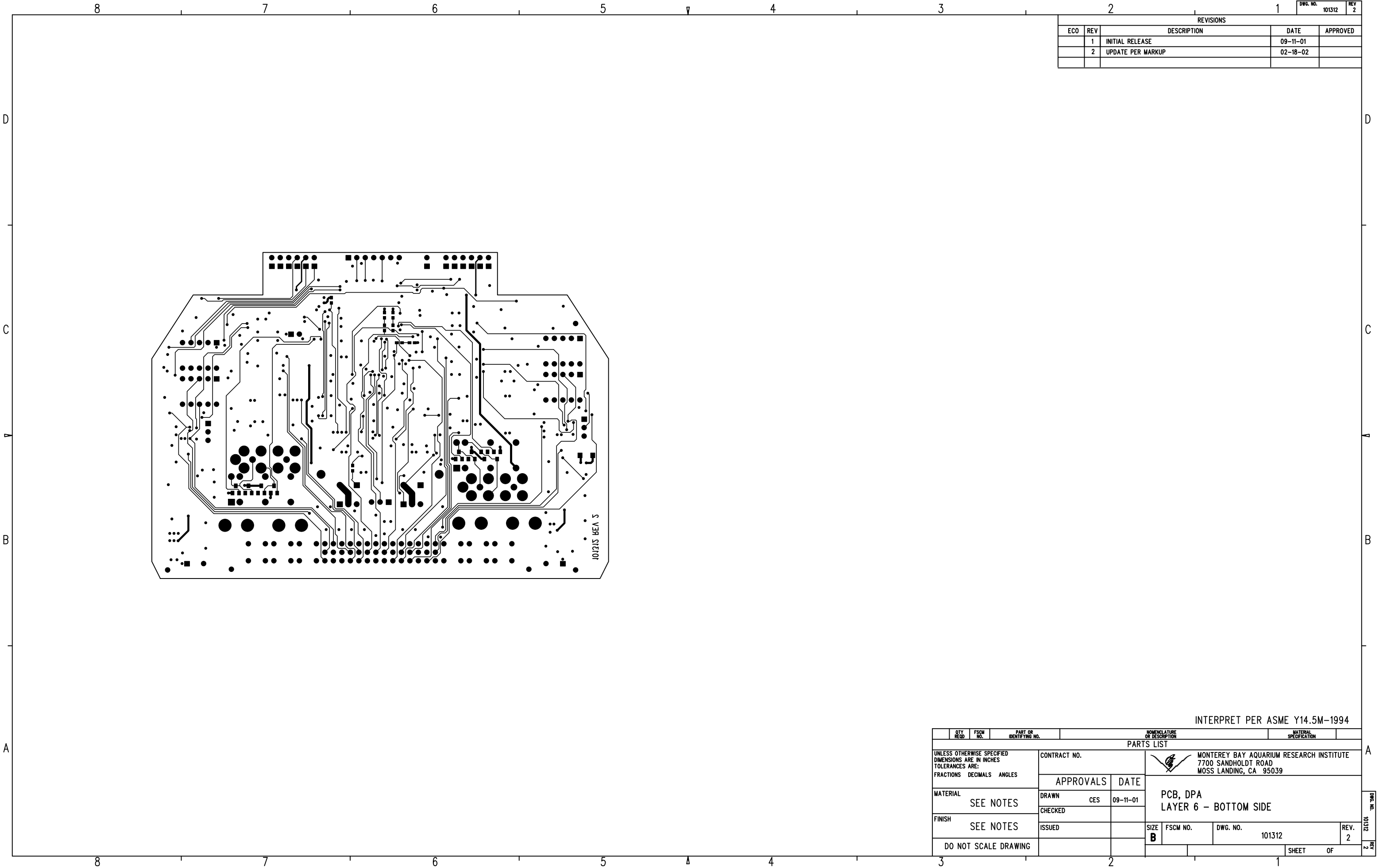
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REV 2

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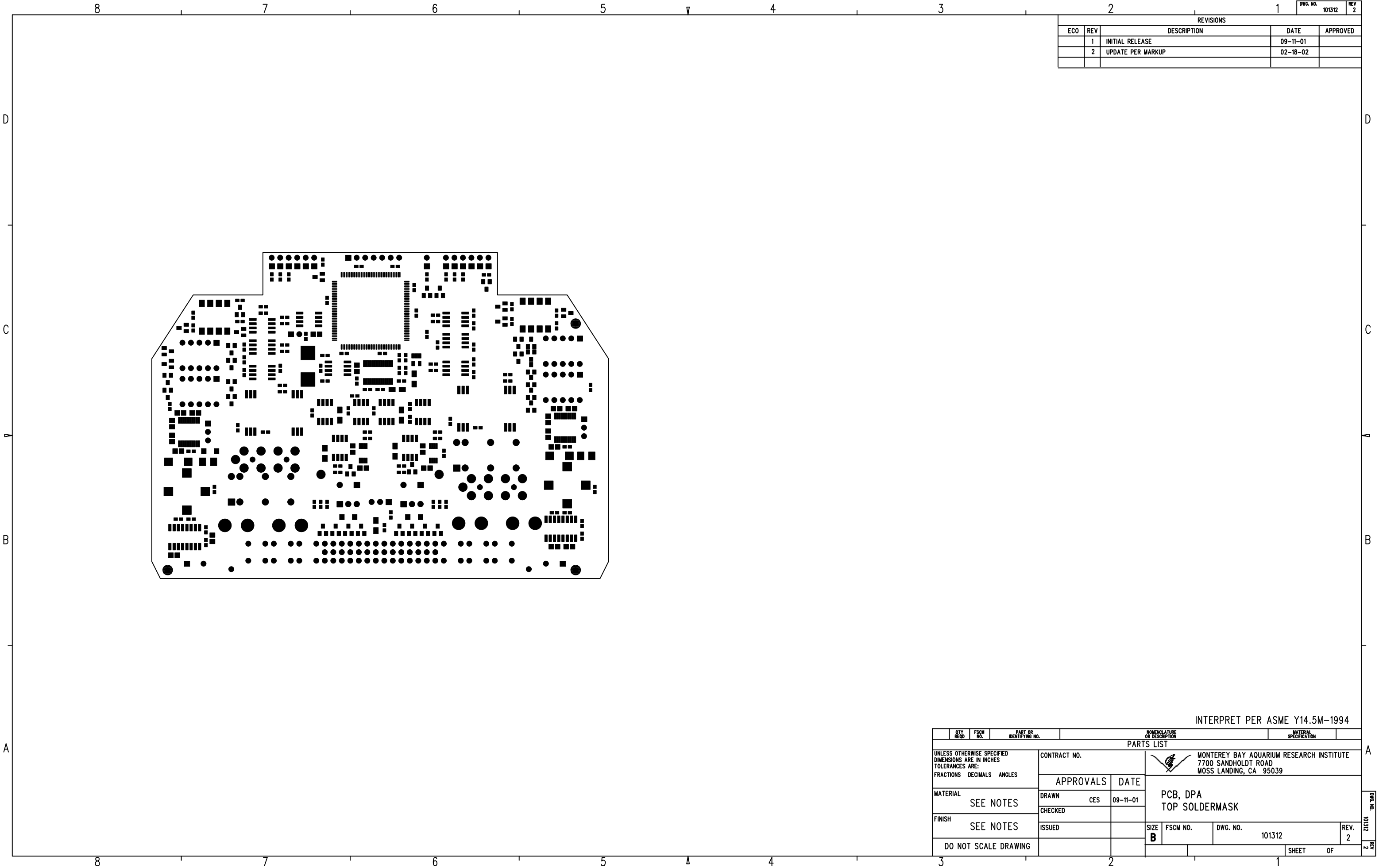
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PARTS LIST												
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			APPROVALS		DATE							
MATERIAL SEE NOTES			DRAWN		CES		09-11-01		PCB, DPA LAYER 6 – BOTTOM SIDE			
			CHECKED									
FINISH SEE NOTES			ISSUED						SIZE B			
DO NOT SCALE DRAWING									FSCM NO.		DWG. NO.	
											101312	
											REV. 2	
											SHEET OF	

DWG. NO.
101312

REV.
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REVISIONS				
ECO	REV	DESCRIPTION	DATE	APPROVED
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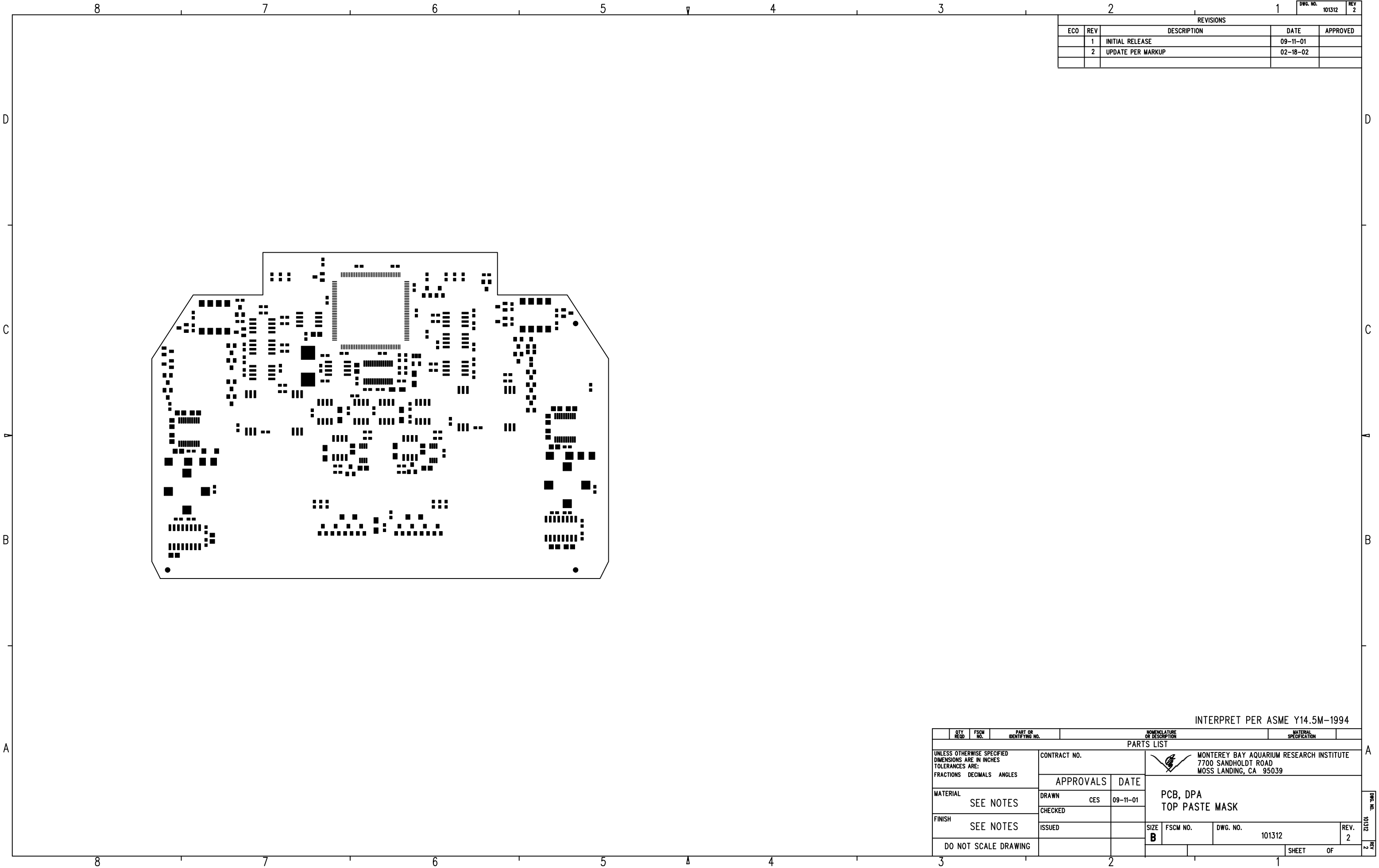
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PARTS LIST												
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES			CONTRACT NO.		 MONTEREY BAY AQUARIUM RESEARCH INSTITUTE 7700 SANDHOLDT ROAD MOSS LANDING, CA 95039							
			APPROVALS							DATE		
			DRAWN		CES	09-11-01		PCB, DPA TOP SOLDERMASK				
			CHECKED									
MATERIAL		SEE NOTES		ISSUED		SIZE		FSCM NO.	DWG. NO.	REV.		
FINISH		SEE NOTES				B			101312	2		
DO NOT SCALE DRAWING								SHEET		OF		

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DRG. NO.

101312

REV. 2



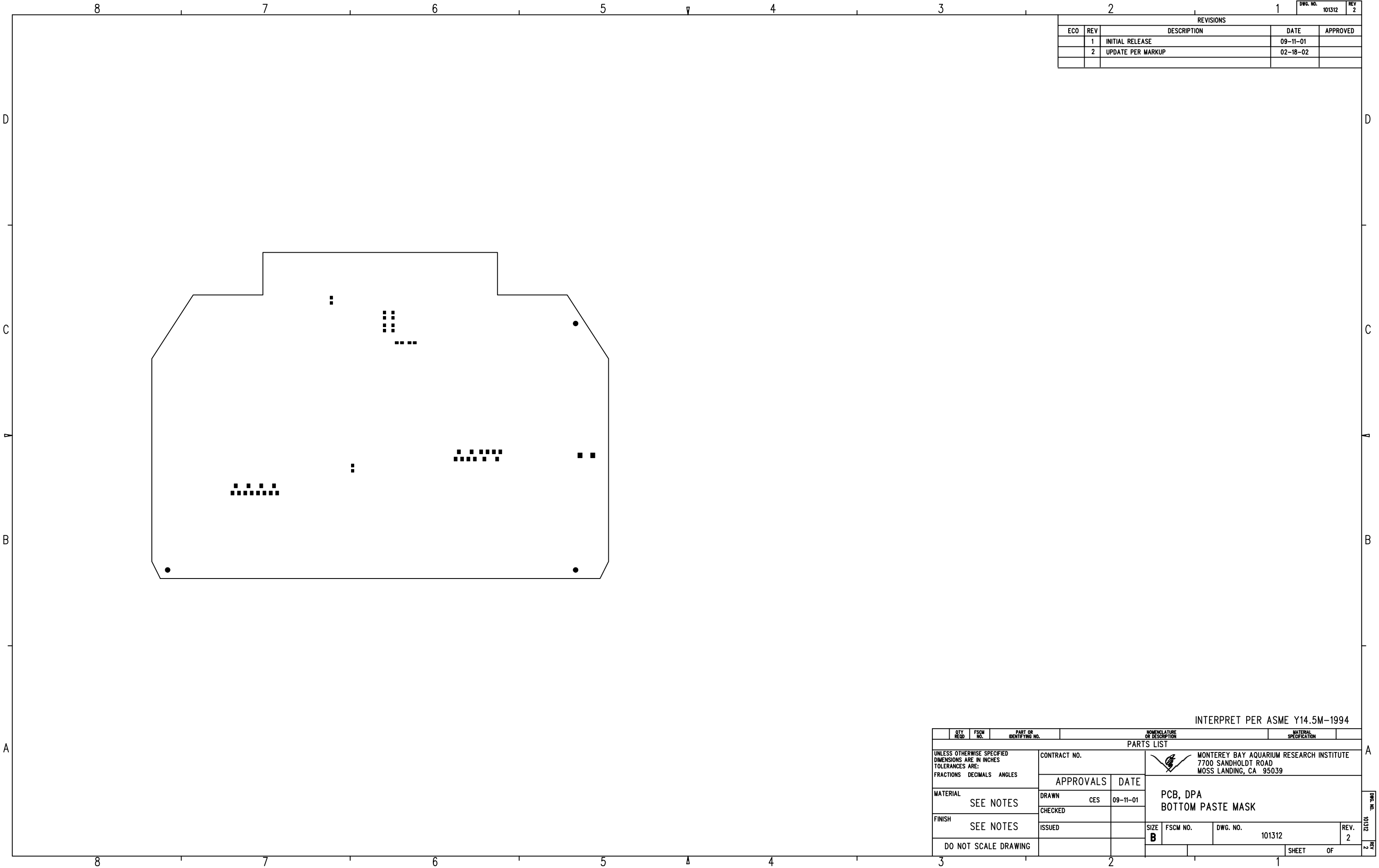
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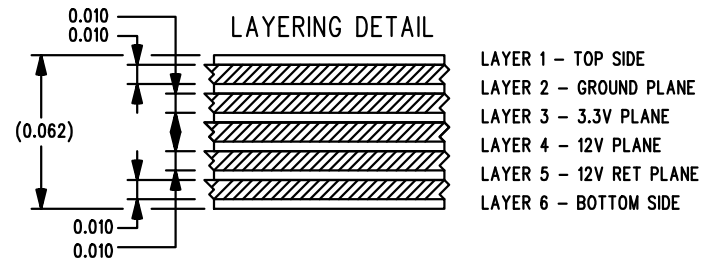
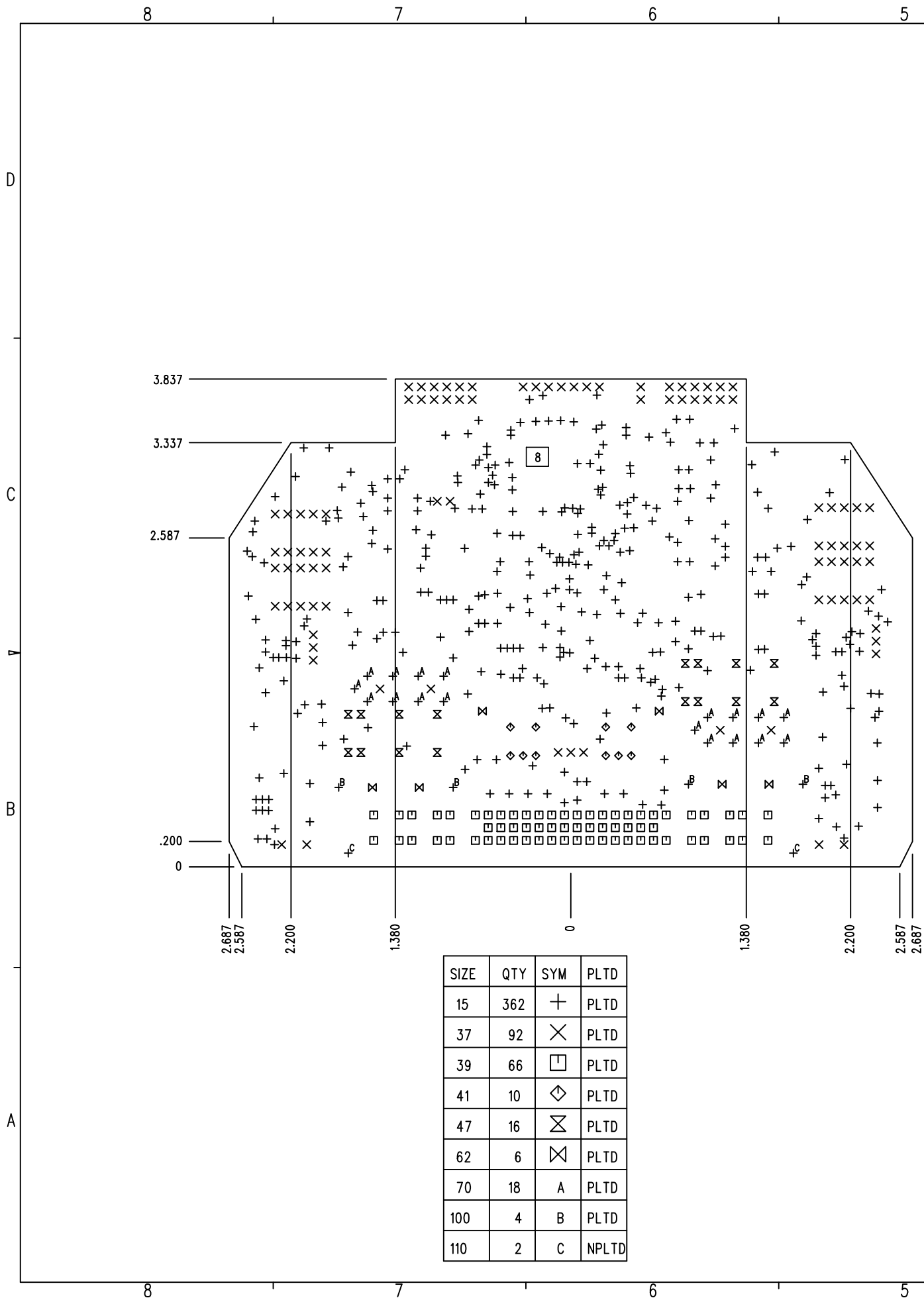
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PARTS LIST											
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES			CONTRACT NO.		 MONTEREY BAY AQUARIUM RESEARCH INSTITUTE 7700 SANDHOLDT ROAD MOSS LANDING, CA 95039						
			APPROVALS							DATE	
MATERIAL SEE NOTES			DRAWN		CES	09-11-01	PCB, DPA TOP PASTE MASK				
			CHECKED								
FINISH SEE NOTES			ISSUED				SIZE	FSCM NO.		DWG. NO.	REV.
							B			101312	
DO NOT SCALE DRAWING									SHEET		OF

A

DRG. NO. 101312 2

REV. 2





13. CERTIFICATE OF COMPLIANCE TO BE PROVIDED ON ALL SHIPMENTS.
12. EACH LOT MUST INCLUDE ONE SOLDER SAMPLE.
11. BOARDS TO BE 100% NET LIST TESTED FOR OPENS AND SHORTS.
10. FABRICATE PER IPC-6012, CLASS II.
9. ACCEPTABILITY CRITERIA TO BE PER IPC-A-600, LATEST ISSUE.
8. VENDORS UL ID, RECOGNIZED COMPONENT SYMBOL, 94V-0 RATING PER UL796 AND DATE CODE TO APPEAR IN THIS AREA ONLY ON FARSIDE.
7. FABRICATION DRAWING TAKES PRECEDENCE OVER ARTWORK AND/OR PURCHASE ORDER(S).
6. PROCESS TO BE SOLDER MASK OVER BARE COPPER (SMOBC).
5. SIGNAL LAYERS TO BE 1 OZ. COPPER.
PLANE LAYERS TO BE 2 OZ. COPPER.
4. SILK SCREEN LEGEND TO BE WHITE, NON-CONDUCTIVE EPOXY INK.
3. SOLDER MASK BOTH SIDES LPI (LIQUID PHOTO-IMAGEABLE) PER IPC-SM-840.
2. MATERIAL IS GLASS EPOXY, TYPE GFN PER IPC-4101, GREEN OR NATURAL, OVERALL THICKNESS TO BE 0.062 +/-0.007.
1. TOLERANCE: XX=+/-0.03; XXX=+/-0.010.

INTERPRET PER ASME Y14.5M-1994

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MATERIAL		APPROVALS			PCB, DPA DRILL DRAWING
FINISH		DATE			
DO NOT SCALE DRAWING		REV.			
SEE NOTES		DRAWN CES 09-11-01		SIZE B FSCM NO. DWG. NO. 101312 REV. 2	
SEE NOTES		CHECKED			
ISSUED		SHEET OF			