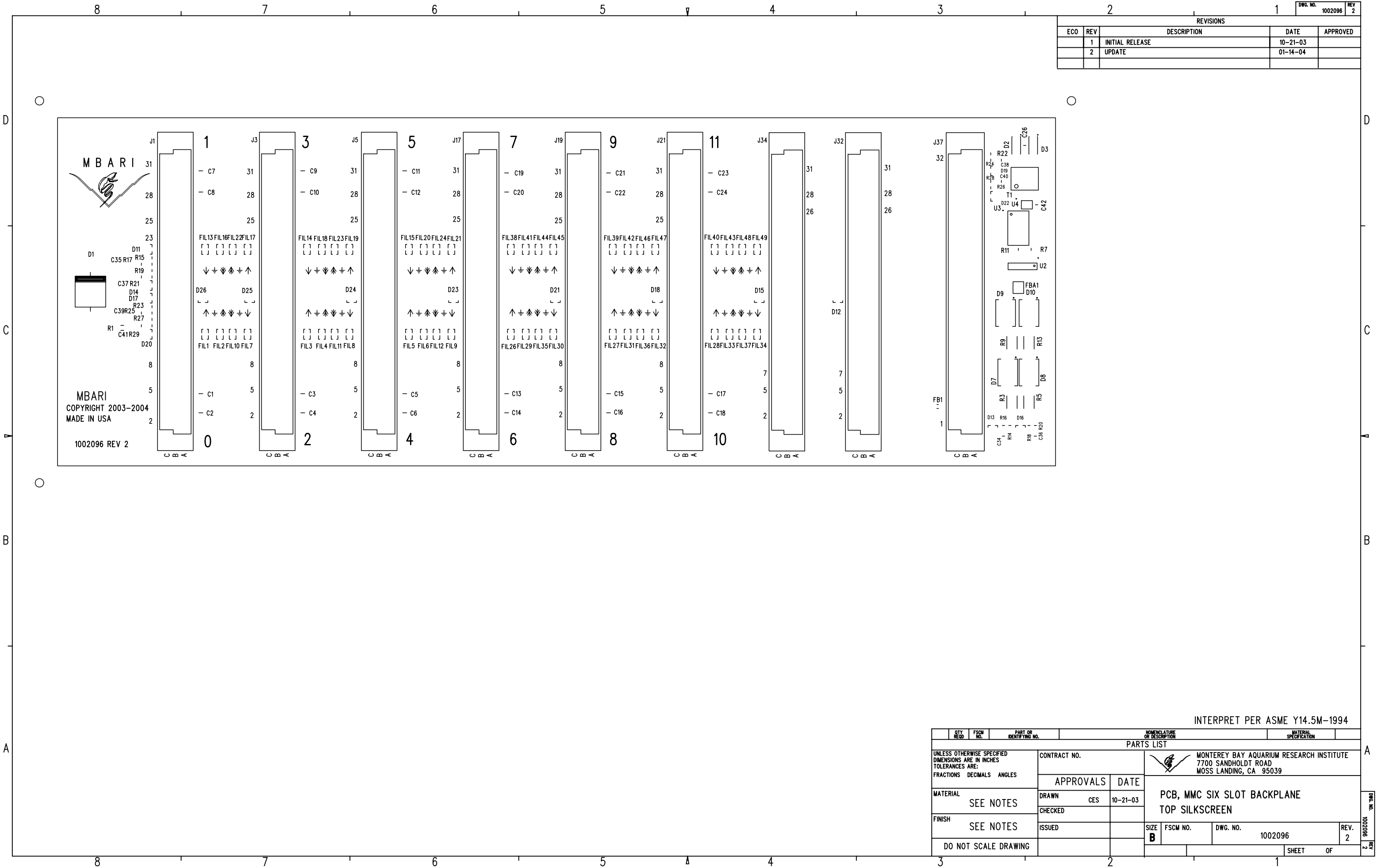
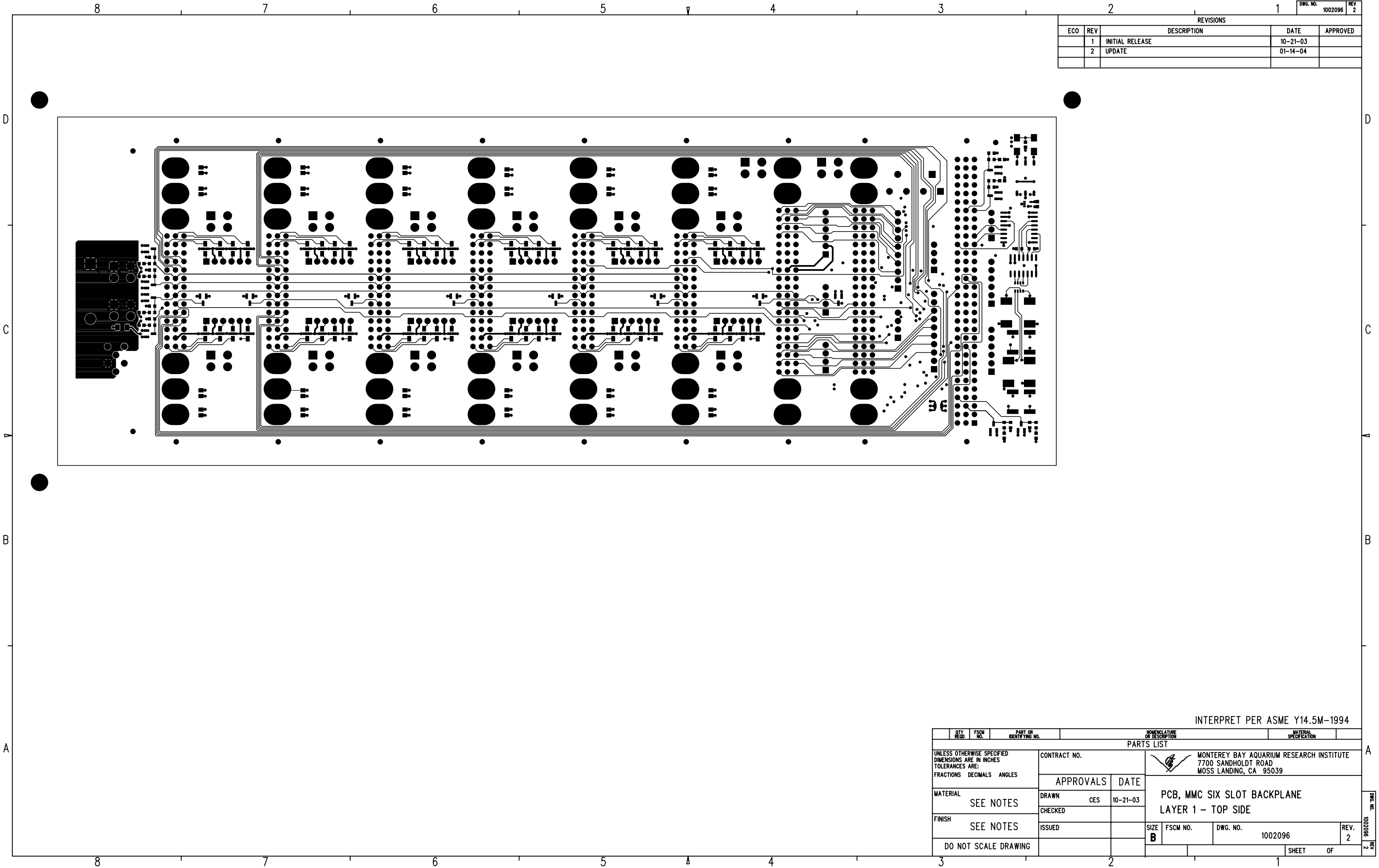
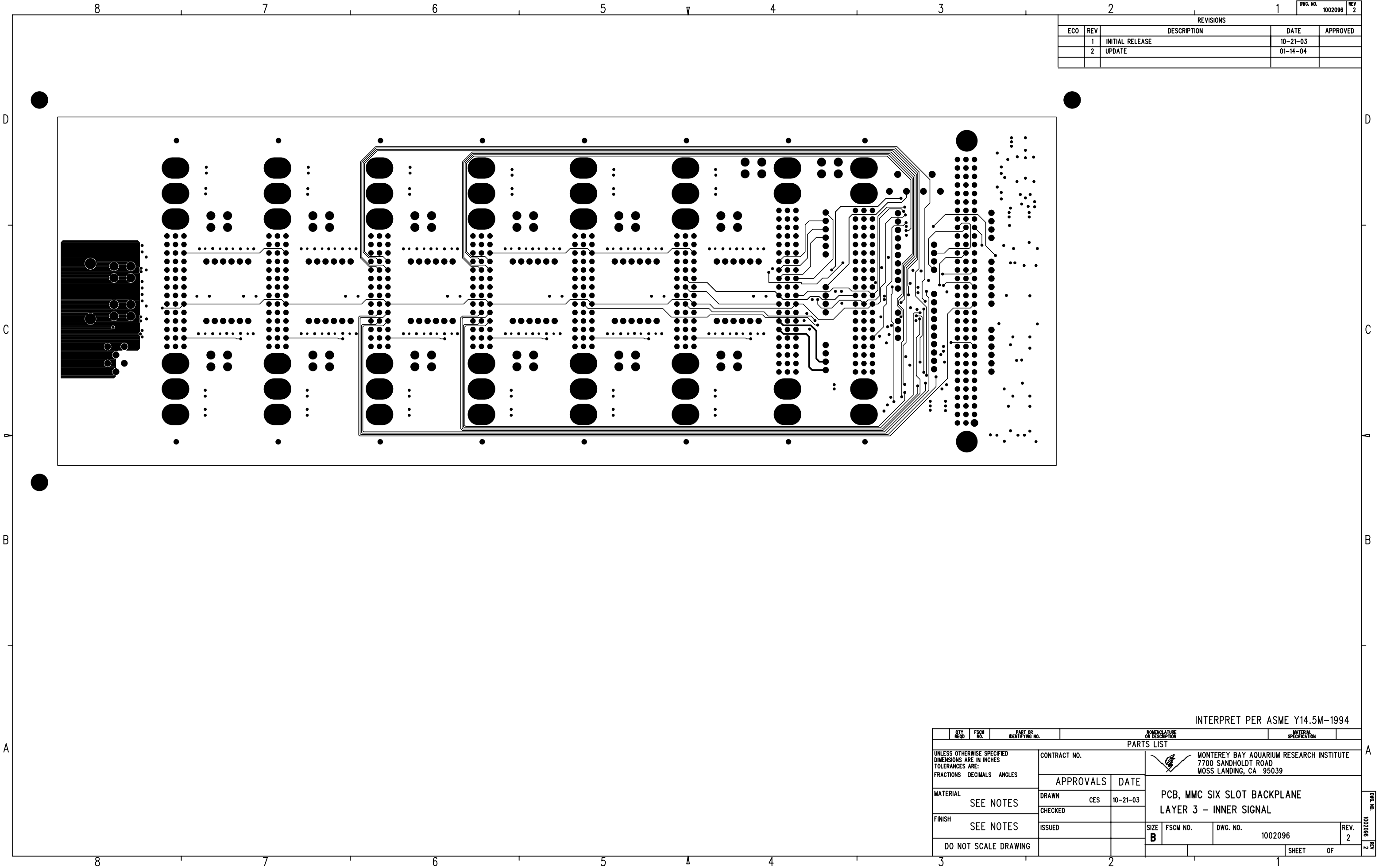






REVISIONS				
ECO	REV	DESCRIPTION	DATE	APPROVED
	1	INITIAL RELEASE	10-21-03	
	2	UPDATE	01-14-04	

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	
	CHECKED			
MATERIAL	SEE NOTES			
FINISH	SEE NOTES			
DO NOT SCALE DRAWING		ISSUED		
		SIZE	FSCM NO.	DWG. NO.
		B		1002096
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				SHEET OF



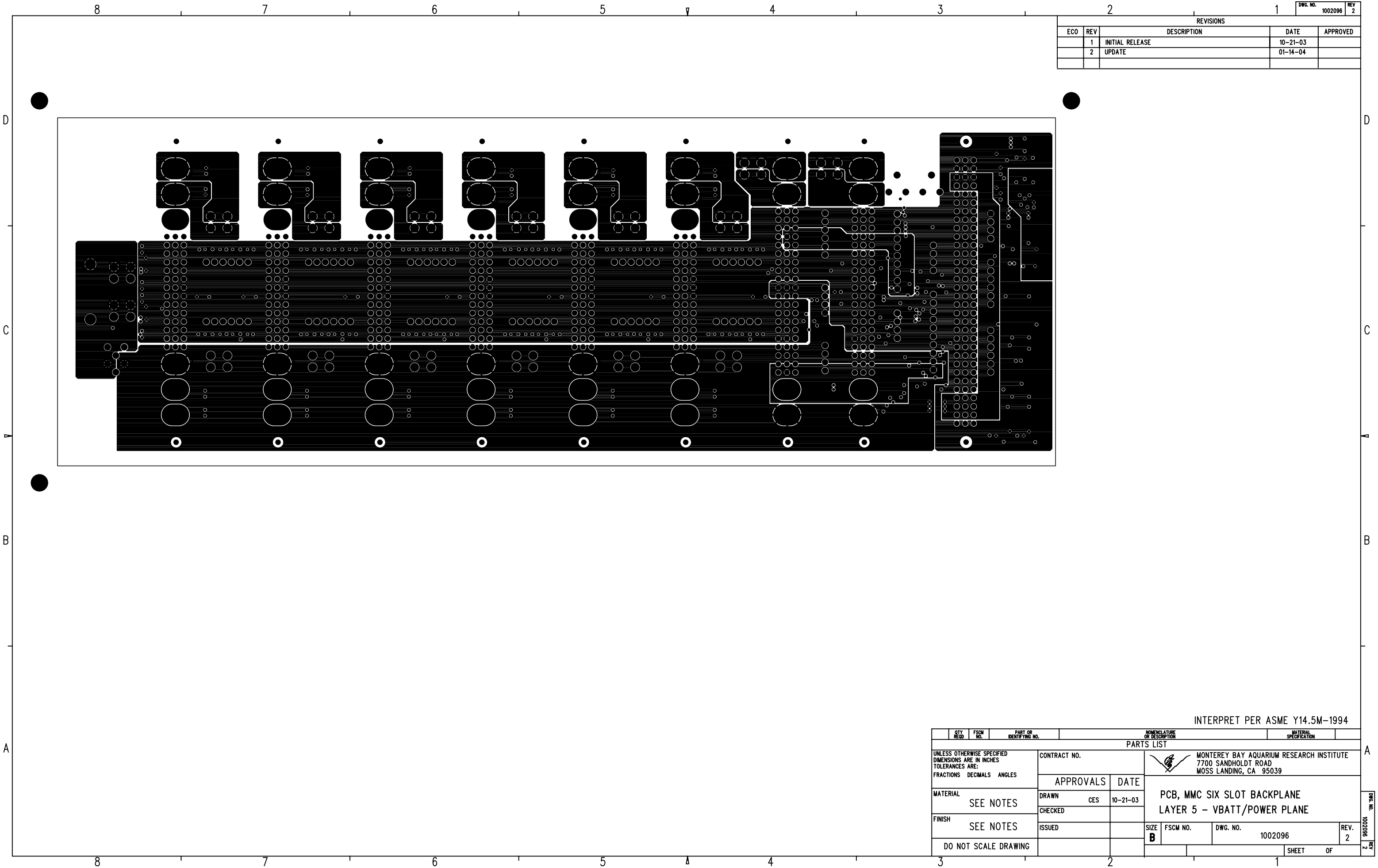
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	2	UPDATE	01-14-04	

QTY REQD		FSCM NO.		PART 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		DATE		PCB, MMC SIX SLOT BACKPLANE LAYER 3 - INNER SIGNAL					
MATERIAL		DRAWN		CES		10-21-03		SIZE B FSCM NO. DWG. NO. 1002096 REV. 2					
SEE NOTES		CHECKED											
FINISH		ISSUED											
SEE NOTES								SHEET OF					
DO NOT SCALE DRAWING													

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DRW. NO. 1002096 2

REV. 2



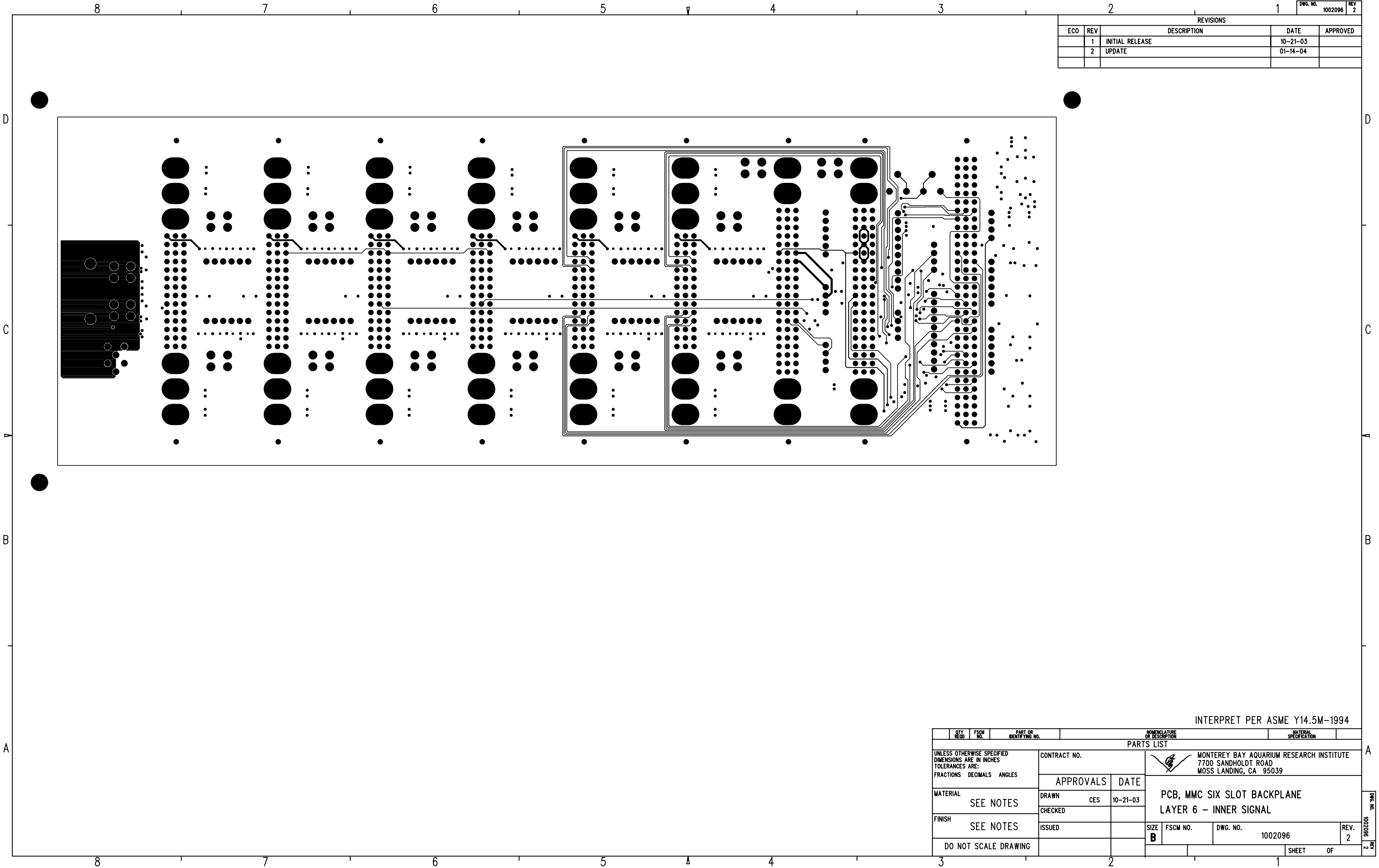
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	2	UPDATE	01-14-04	

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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									
MATERIAL SEE NOTES				DRAWN CES		DATE 10-21-03		PCB, MMC SIX SLOT BACKPLANE LAYER 5 - VBATT/POWER PLANE							
				CHECKED											
FINISH SEE NOTES				ISSUED				SIZE B		FSCM NO.		DWG. NO. 1002096		REV. 2	
DO NOT SCALE DRAWING												SHEET OF			

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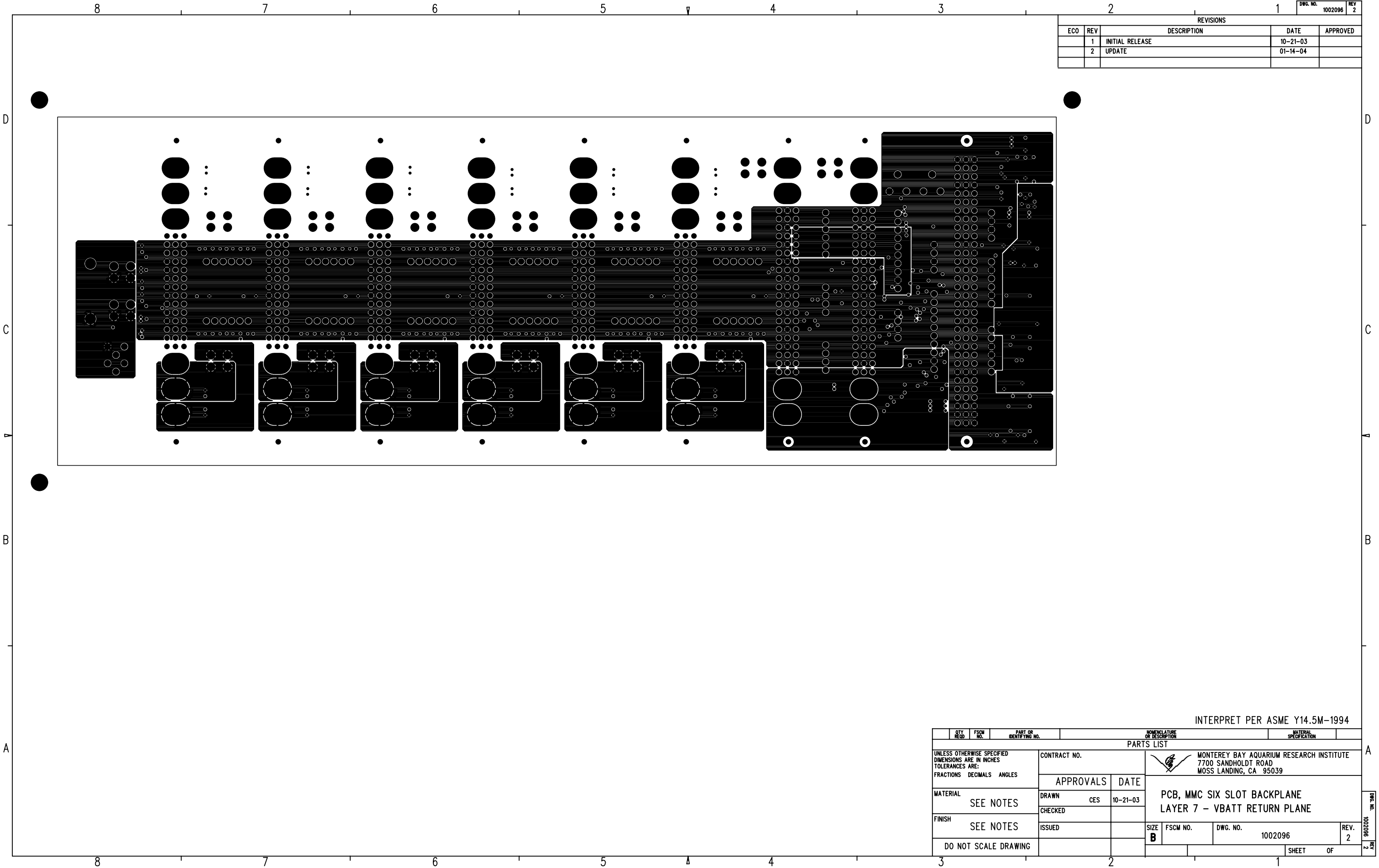
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PARTS LIST															
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES				CONTRACT NO.		 MONTEREY BAY AQUARIUM RESEARCH INSTITUTE 7700 SANDHOLDT ROAD MOSS LANDING, CA 95039									
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SEE NOTES		CHECKED													
FINISH		ISSUED						SIZE		FSCM NO.		DWG. NO.		REV.	
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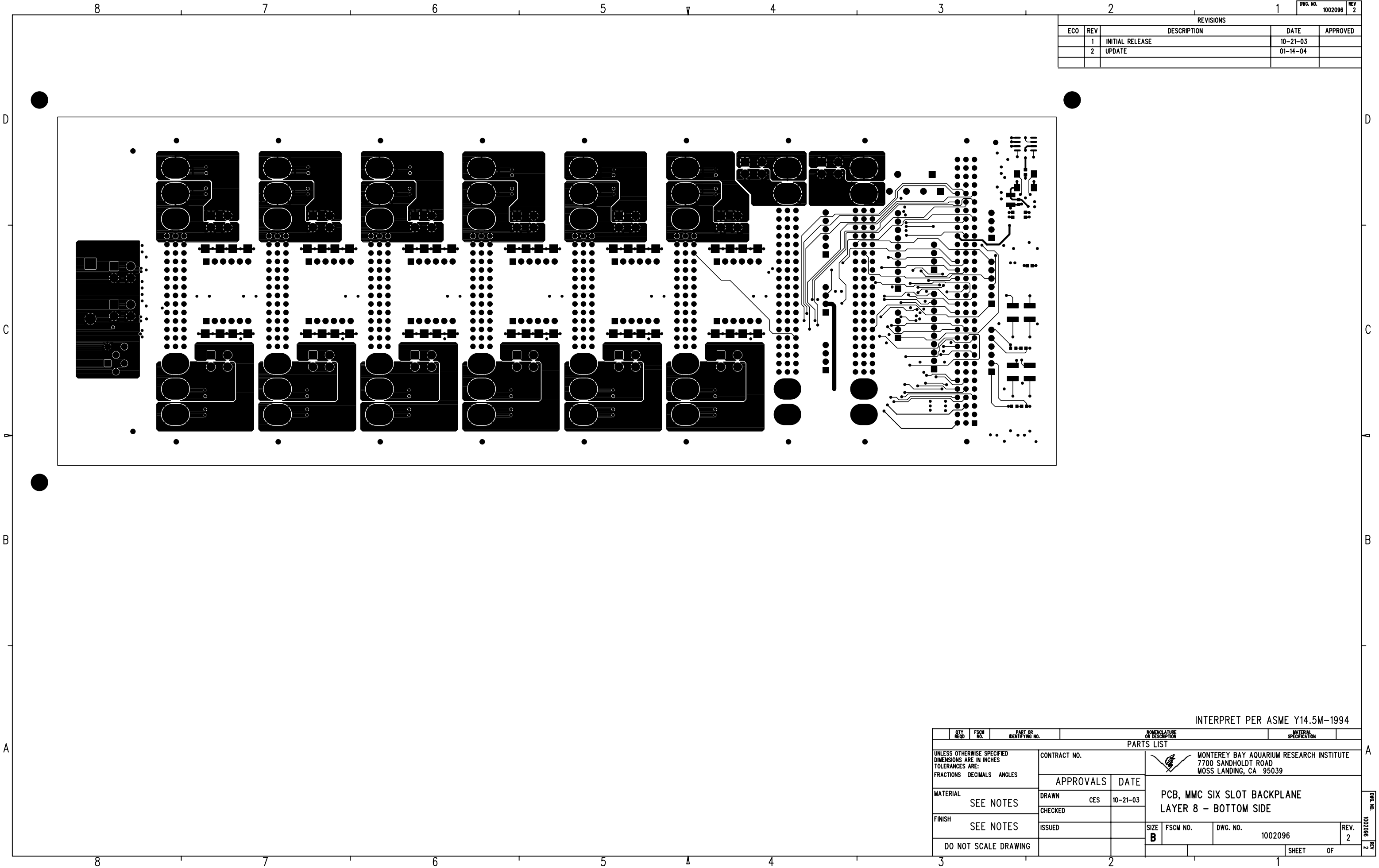
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MATERIAL SEE NOTES				CHECKED									
FINISH SEE NOTES				ISSUED									
DO NOT SCALE DRAWING						SIZE B		FSCM NO.		DWG. NO. 1002096		REV. 2	
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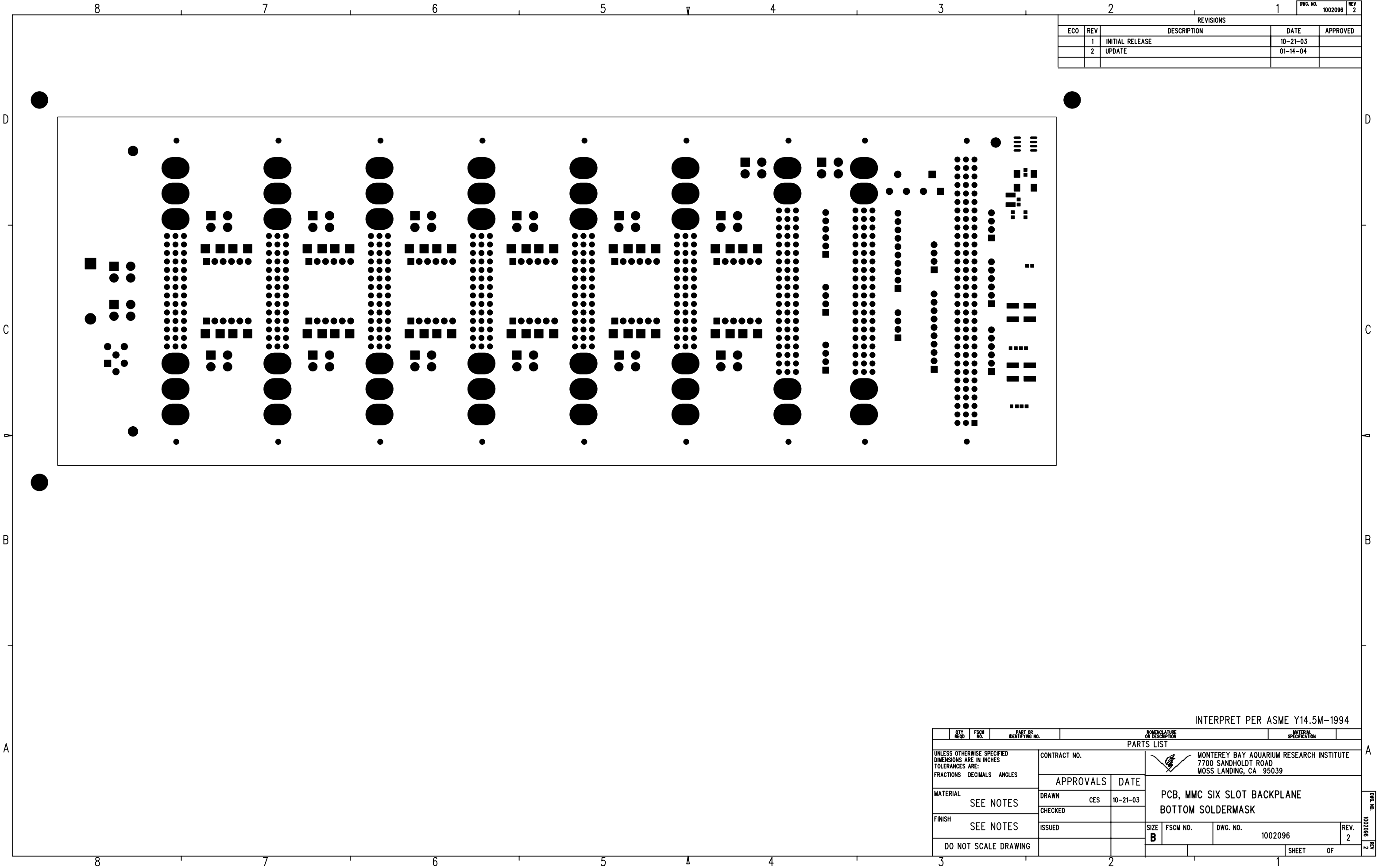
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	2	UPDATE	01-14-04	

INTERPRET PER ASME Y14.5M-1994									
QTY REQD		FSCM NO.	PART OR IDENTIFYING NO.		NOMENCLATURE OR DESCRIPTION			MATERIAL SPECIFICATION	
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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				
MATERIAL SEE NOTES			DRAWN		CES	10-21-03	PCB, MMC SIX SLOT BACKPLANE LAYER 8 - BOTTOM SIDE		
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FINISH SEE NOTES			ISSUED				SIZE FSCM NO. DWG. NO. REV.		
DO NOT SCALE DRAWING							SHEET OF		

DRW. NO.
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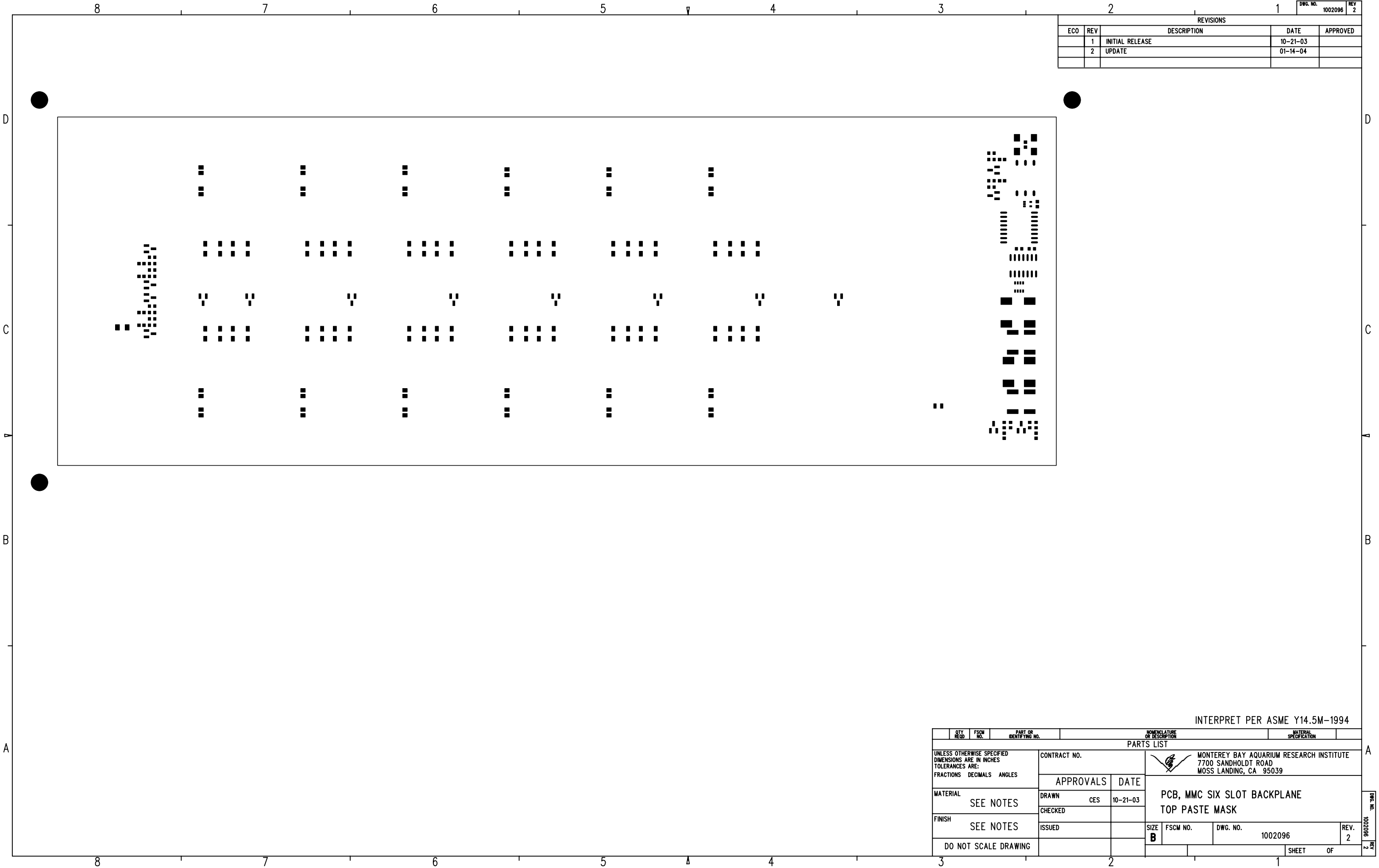
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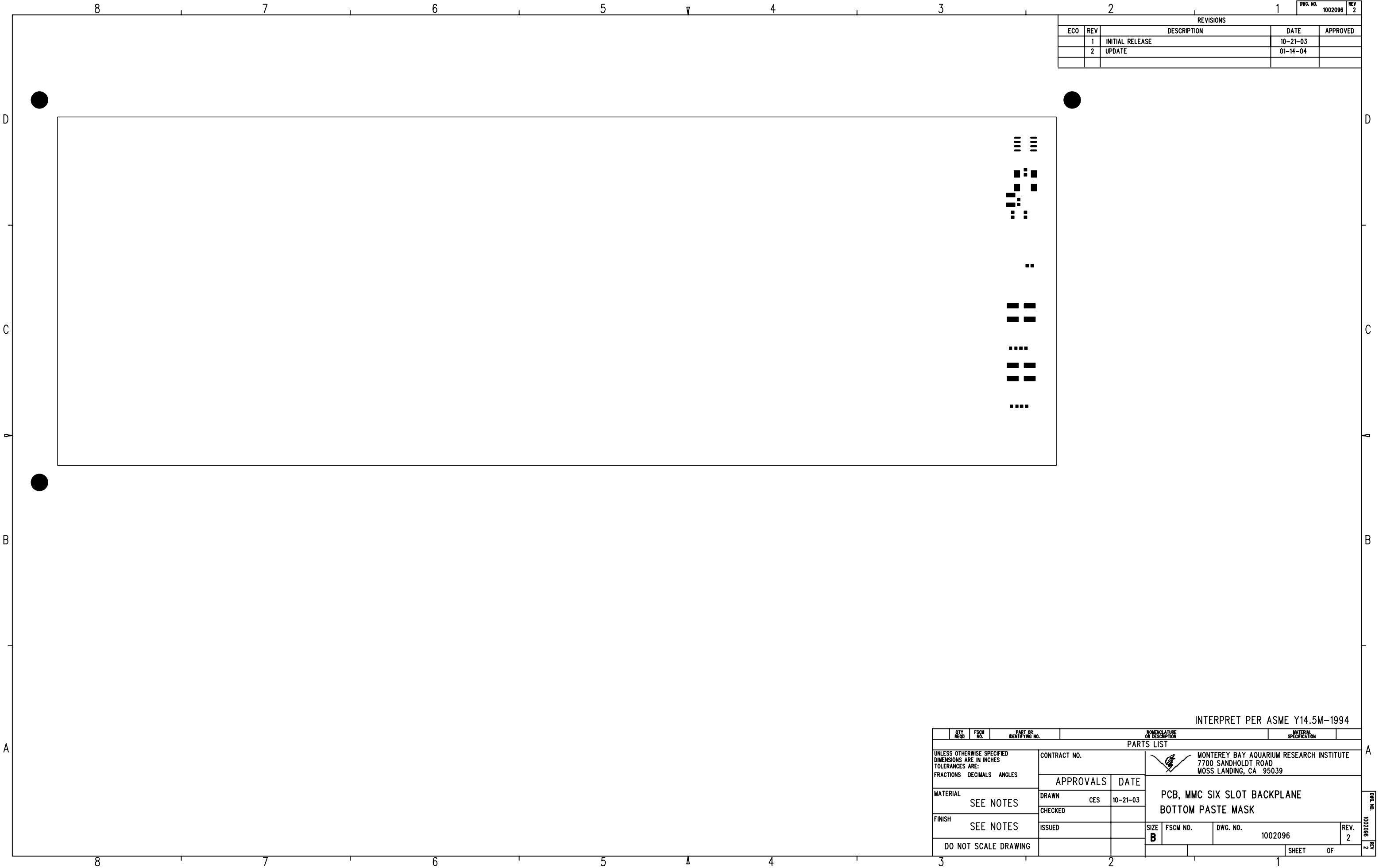


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	2	UPDATE	01-14-04	

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								A													
MATERIAL SEE NOTES						APPROVALS		DATE		PCB, MMC SIX SLOT BACKPLANE BOTTOM SOLDERMASK								DWG. NO. 1002096 REV. 2											
FINISH SEE NOTES						DRAWN		CES		10-21-03																			
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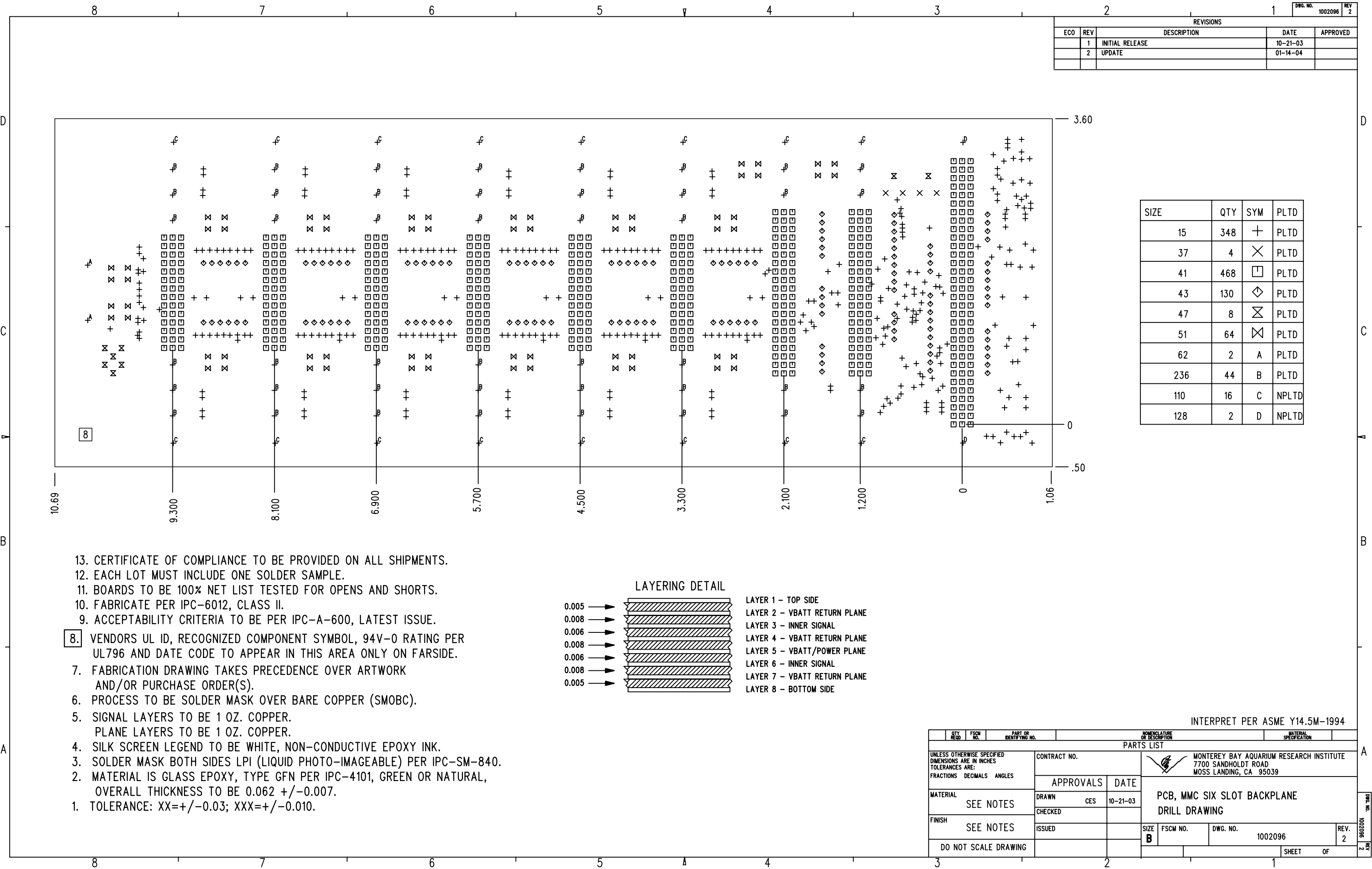
INTERPRET PER ASME Y14.5M-1994





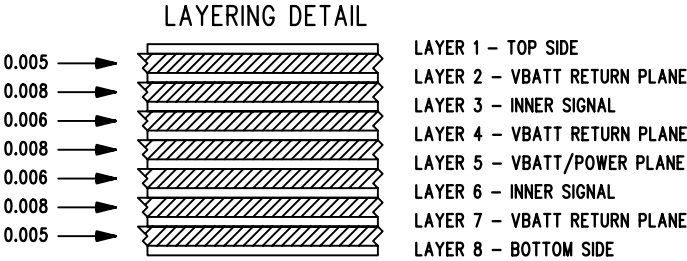
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	2	UPDATE			01-14-04	

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							DATE
MATERIAL			DRAWN		CES	10-21-03		PCB, MMC SIX SLOT BACKPLANE BOTTOM PASTE MASK		
FINISH			CHECKED							
			ISSUED							
DO NOT SCALE DRAWING							SIZE	FSCM NO.	DWG. NO.	
							B		1002096	
									REV.	2
							SHEET			OF
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REVISIONS				
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	1	INITIAL RELEASE	10-21-03	
	2	UPDATE	01-14-04	

SIZE	QTY	SYM	PLTD
15	348	+	PLTD
37	4	×	PLTD
41	468	□	PLTD
43	130	◇	PLTD
47	8	⊠	PLTD
51	64	⊠	PLTD
62	2	A	PLTD
236	44	B	PLTD
110	16	C	NPLTD
128	2	D	NPLTD



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 1 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.

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FRACTIONS DECIMALS ANGLES		APPROVALS	DATE	
MATERIAL		DRAWN	CES	10-21-03
FINISH		CHECKED		
DO NOT SCALE DRAWING		ISSUED		
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B		1002096	2	
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