
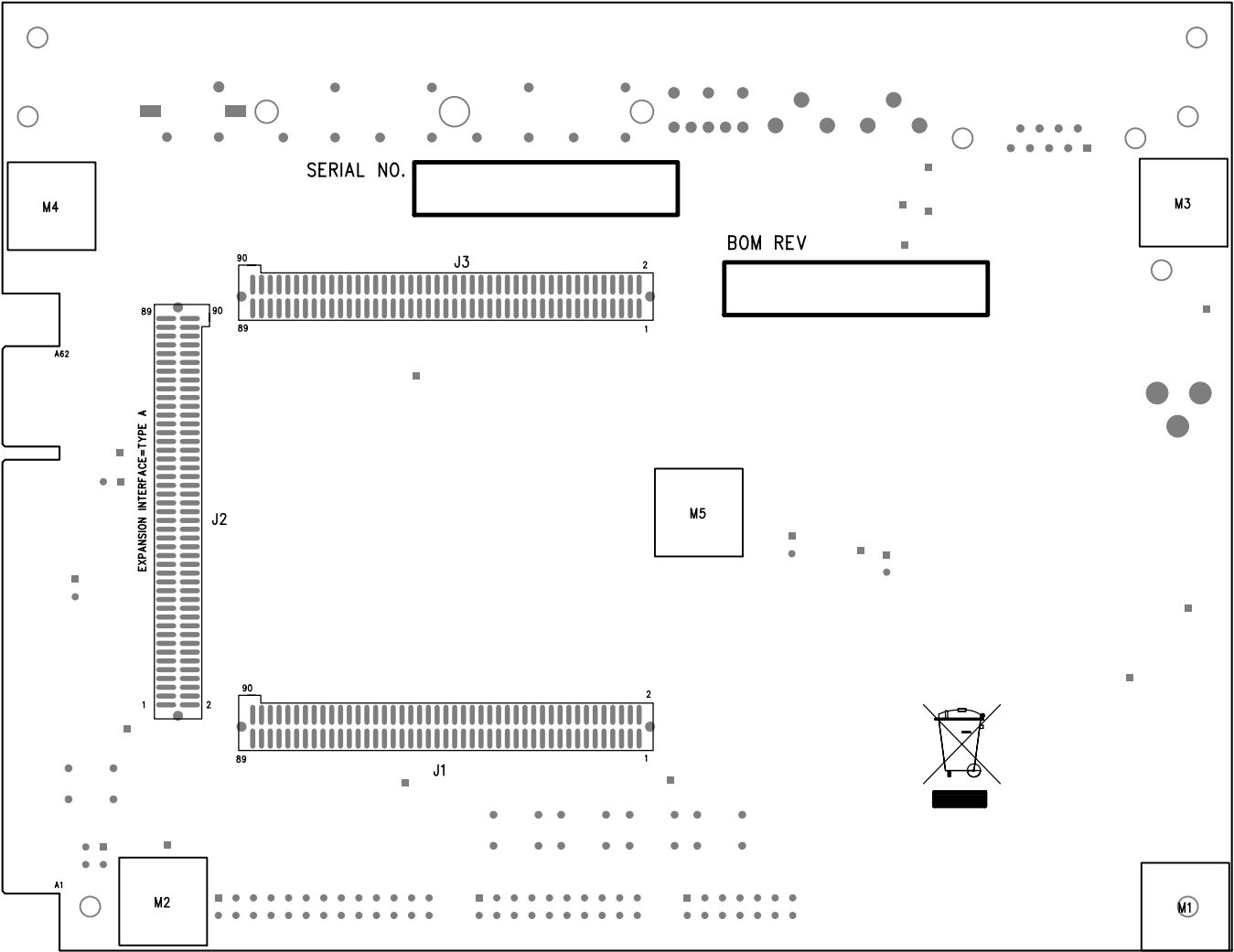


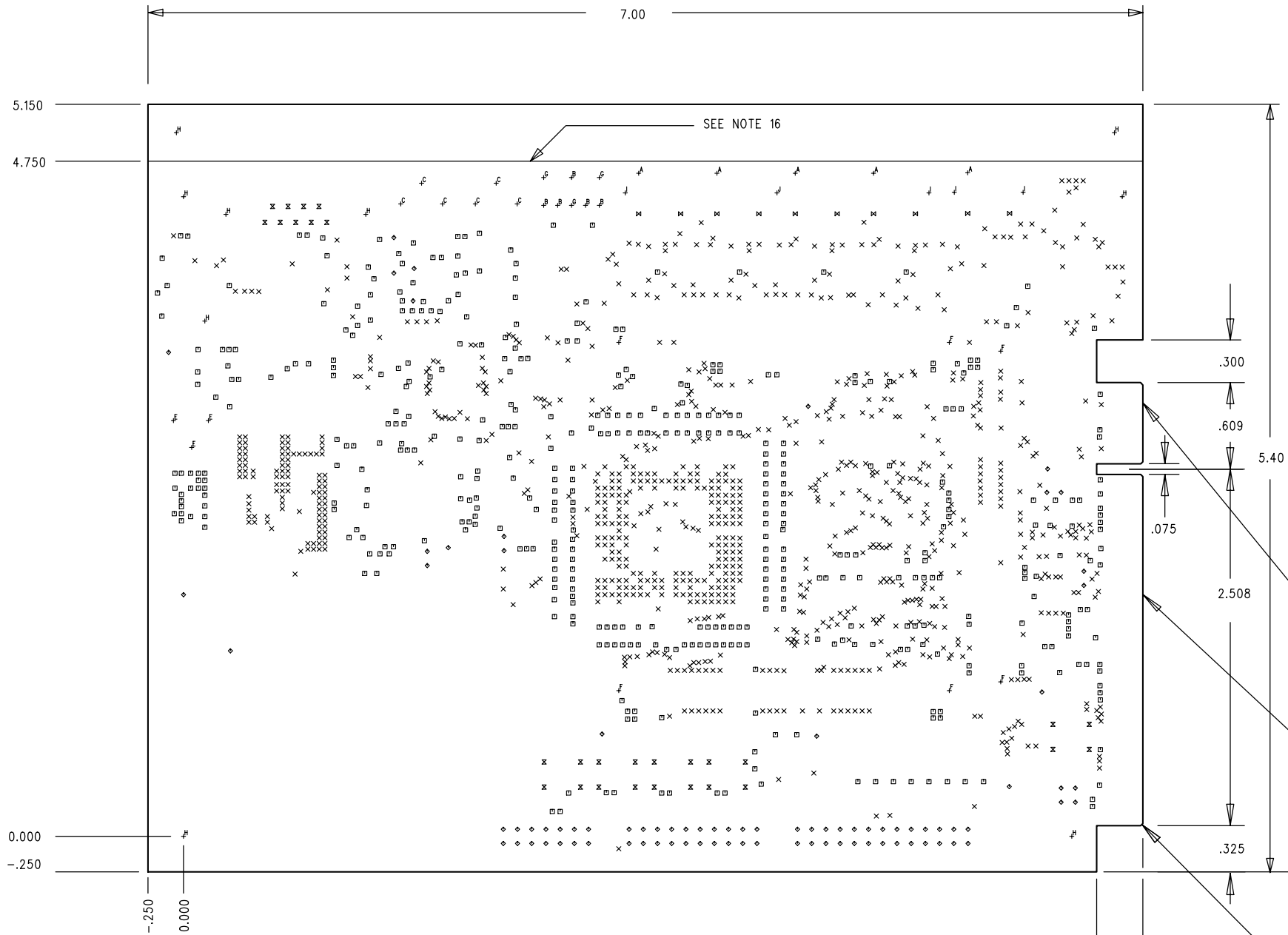
NOTES:

1. MASK HOLES FOR TP1-TP14 BEFORE SOLDERING.
2. BREAK OFF STRIP AT COMPLETION OF ASSEMBLY.

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	APPROVALS	DATE	
MATERIAL	DRAWN	06/20/07	ASSEMBLY DRAWING TOP SIDE ADSP-21369 EZ-KIT LITE
FINISH	CHECKED		
DO NOT SCALE THIS DRAWING	ENGINEERING		SIZE B DWG. NO. ASSMAA0196-2005-REF
	QUALITY		
	MANUFACTURING		SCALE 1 : 1
			SHEET 1 OF 2



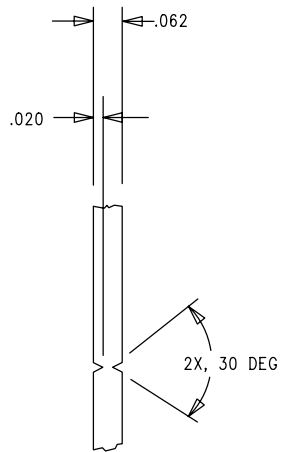
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		<div><div></div><div>ANALOG DEVICES</div></div> <div>20 Cotton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655</div>		
	APPROVALS	DATE			
	DRAWN	06/20/07	ASSEMBLY DRAWING BOTTOM SIDE ADSP-21369 EZ-KIT LITE		
	CHECKED				
MATERIAL	ENGINEERING		SIZE B	DWG. NO. ASSMAA0196-2005-REF	REV. 2.1
FINISH	QUALITY				
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UNLESS OTHERWISE SPECIFIED

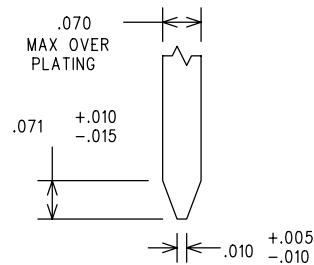
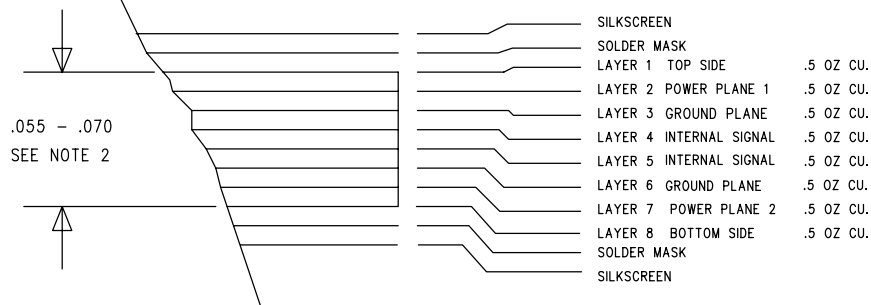
- BOARD TO BE FABRICATED PER IPC-6012A, CLASS 2.
- MATERIAL: POLYCLAD FR-370HR OR EQUIVALENT. OUTER LAYERS 1/2 OZ/SQFT CU INNER LAYERS 1/2 OZ/SQFT CU FINISHED .062 (.055 MIN .070 MAX SEE DETAIL). VENDOR MAY ADJUST THICKNESS TO FULFILL NOTE 9.
- PLATING: ADDITIONAL CU PLATING 1 OZ/SQFT ALL HOLES PLATED THROUGH, EXCEPT AS NOTED IN HOLE LEGEND. MINIMUM PTH BARREL THICKNESS = 0.0008" MINIMUM AVERAGE PER IPC-6012A WITH AMENDMENT 1, CLASS 2 REQUIREMENTS. WITH NO SINGLE MEASUREMENT LESS THAN 0.00071 IN THE PLATED HOLES.
- FINISH: SURFACES TO BE COATED BY ENIG OF 2 TO 10 MICROINCHES OVER A MINIMUM OF 60-200 MICROINCHES OF LOW STRESS NICKEL. NO ADDITIONAL ELECTROLYTIC HARD GOLD IS REQUIRED FOR CONTACTS.
- SOLDERMASK: SOLDER MASK TO BE TRANSPARENT GREEN LPI BOTH SIDES PER GERBER FILES.
- SILKSCREEN: WHITE EPOXY INK, APPLY TO BOTH SIDES PER GERBER FILES.
- ARTWORK: MINIMUM FEATURE SIZE = 0.00492 MINIMUM AIR GAP = 0.00475
- ALL DIMENSIONS ARE IN INCHES.
- CONTROLLED IMPEDANCE: BOARD TO BE BUILT TO YIELD CONTROLLED IMPEDANCE OF 60 OHMS +/- 10% ON ALL .005" LINE WIDTHS
- DO NOT ADD NON-FUNCTIONAL COPPER THIEVING ON OPEN AREAS OF OUTER LAYERS. THIEVING IS ALLOWED ON INNER LAYERS, UNLESS OTHERWISE SPECIFIED.
- VIAS SHOULD BE COVERED ACCORDING TO ONE OF THE FOLLOWING METHODS. METHOD 1 IS PREFERRED.
METHOD 1: VIAS MUST BE FILLED WITH SOLDERMASK MATERIAL AFTER ELECTROLESS NICKEL/IMMERSION GOLD AND BEFORE PRIMARY LPI MASK. AFTER THE FILL IS CURED, THE PRIMARY MASK IS THEN APPLIED WITH NO VIA APERTURES BOTH SIDES.
METHOD 2: AFTER APPLICATION OF FULL BODY ELECTROLESS NICKEL/IMMERSION GOLD, APPLY PRIMARY MASK WITH REDUCED VIA APERTURES THAT ARE 6 MILS LARGER THAN DRILLED HOLE DIAMETER BOTH SIDES. THEN APPLY SOLDER MASK PLUG ON COMPONENT SIDE.
- VIA HOLES (.006, .010, .012) REQUIRE TANGENCY ONLY, INSTEAD OF ANNULAR RING.
- TEARDROP PADS ARE ACCEPTABLE WHERE NEEDED.
- BUILD AS 1-UP PCB.
- USE IPC-D-356A NETLIST AS SUPPLIED FOR CHECKING.
- V SCORE 1 LINE ON BOTH SIDES OF THE BOARD. SEE DETAIL.

SIZE	QTY	SYM	PLATED	TOL
10	942	X	YES	+0.003-0.010
12	458	□	YES	+0.003-0.012
37	86	◇	YES	+/-0.003
41	29	⊗	YES	+/-0.003
51	10	⊗	YES	+/-0.003
59	5	+ ^A	YES	+/-0.003
70	5	+ ^B	YES	+/-0.003
85	6	+ ^C	YES	+/-0.003
125	3	+ ^E	YES	+/-0.003
53	6	+ ^F	NO	+0.003-0.000
67	3	+ ^G	NO	+/-0.003
125	9	+ ^H	NO	+/-0.005
140	4	+ ^I	NO	+/-0.005
187	1	+ ^J	NO	+/-0.005




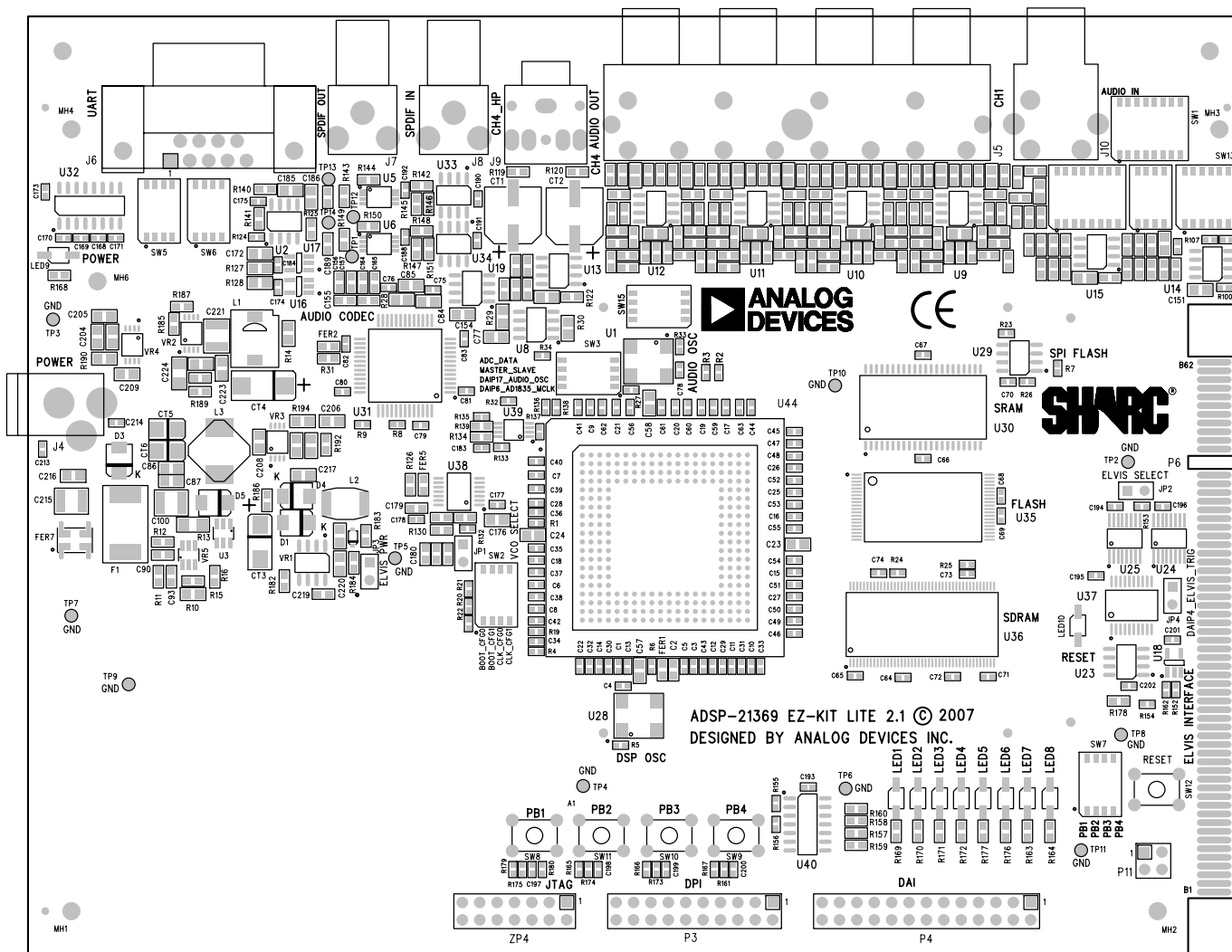
SCORING DETAIL

8 LAYER CONSTRUCTION DETAIL
SCALE : NONE




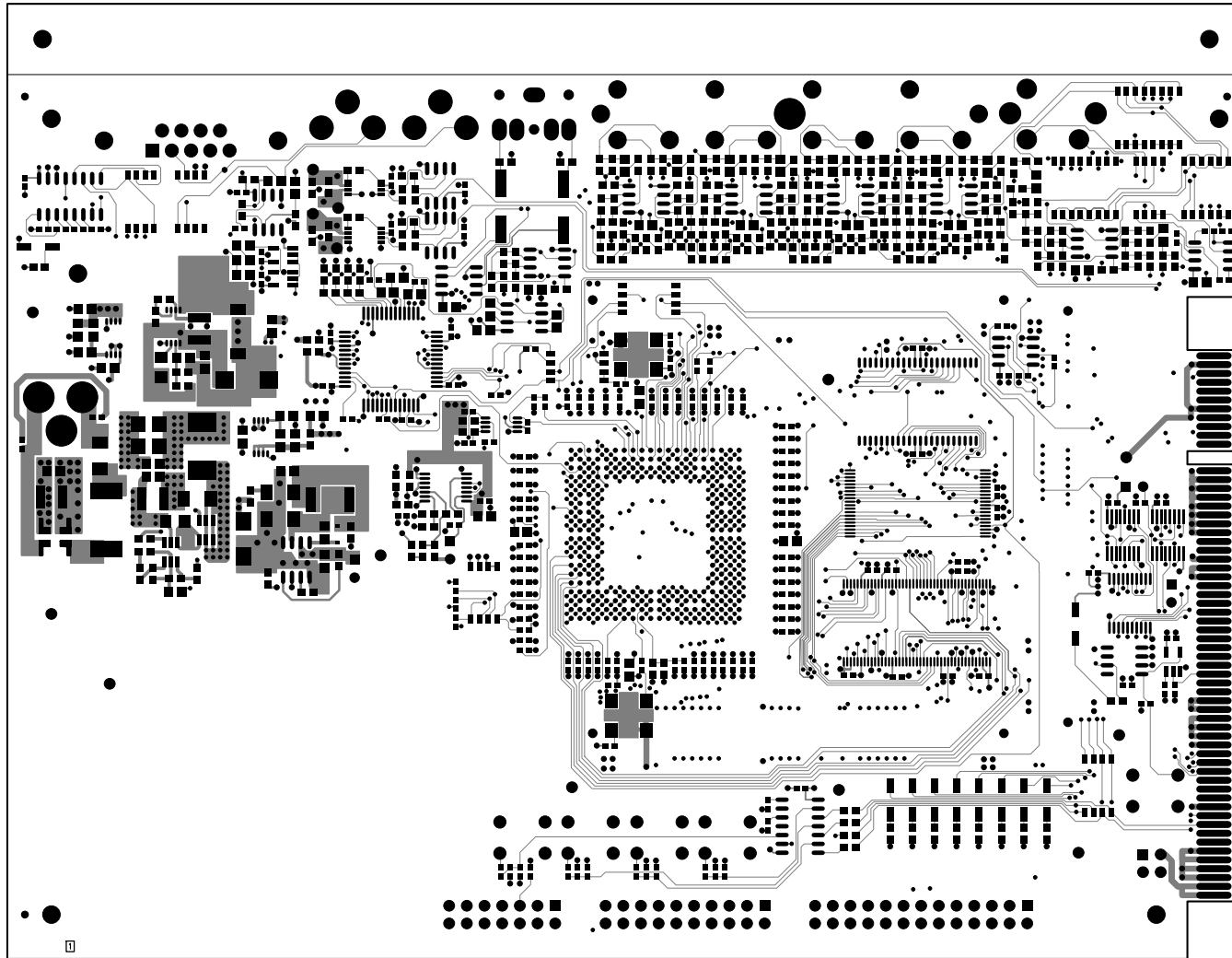
BEVEL DETAIL


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	APPROVALS	DATE	
MATERIAL SEE NOTES	DRAWN	06/20/07	FABRICATION DRAWING ADSP-21369 EZ-KIT LITE
	CHECKED		
FINISH SEE NOTES	ENGINEERING		SIZE B DWG. NO. A0196-2005-REF
	QUALITY		
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1
		SHEET 1 OF 1	REV. 2.1

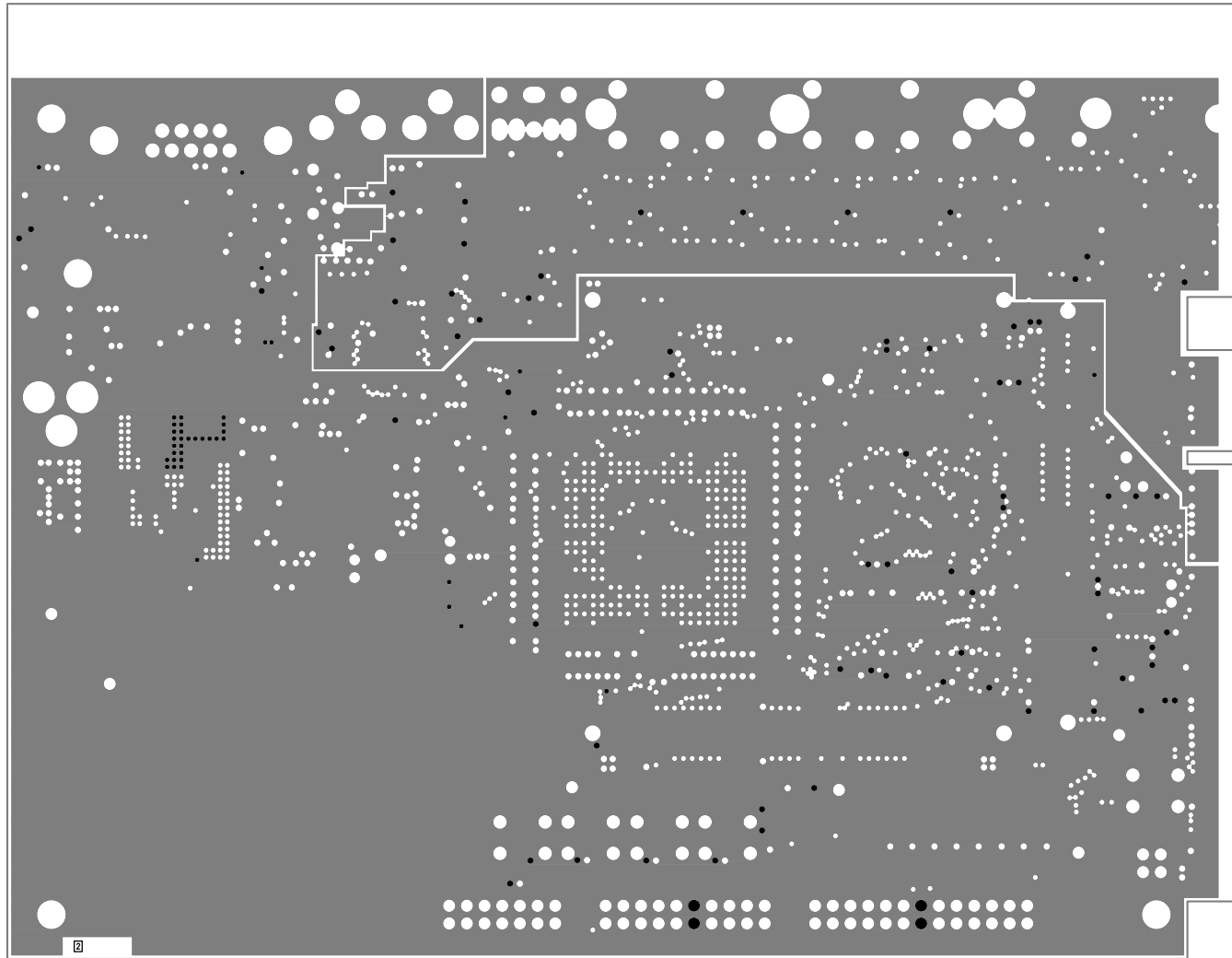



ADSP-21369 EZ-KIT LITE 2.1 © 2007
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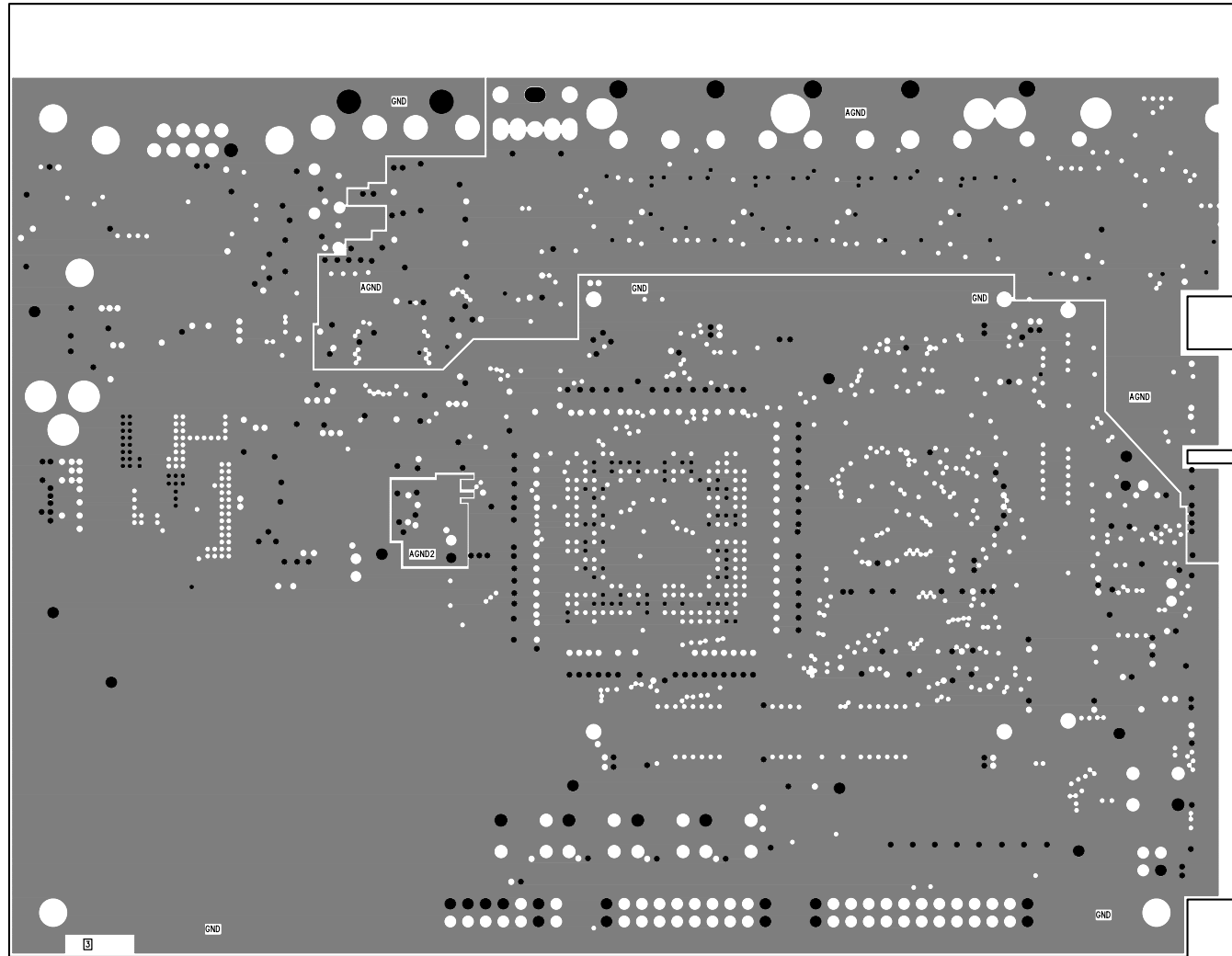
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		 20 Cotton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655
	APPROVALS	DATE	
MATERIAL	DRAWN	06/20/07	SILKSCREEN TOP SIDE ADSP-21369 EZ-KIT LITE
	CHECKED		
FINISH	ENGINEERING		SIZE B DWG. NO. A0196-2005-REF REV. 2.1
	QUALITY		
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1 SHEET 11 OF 14




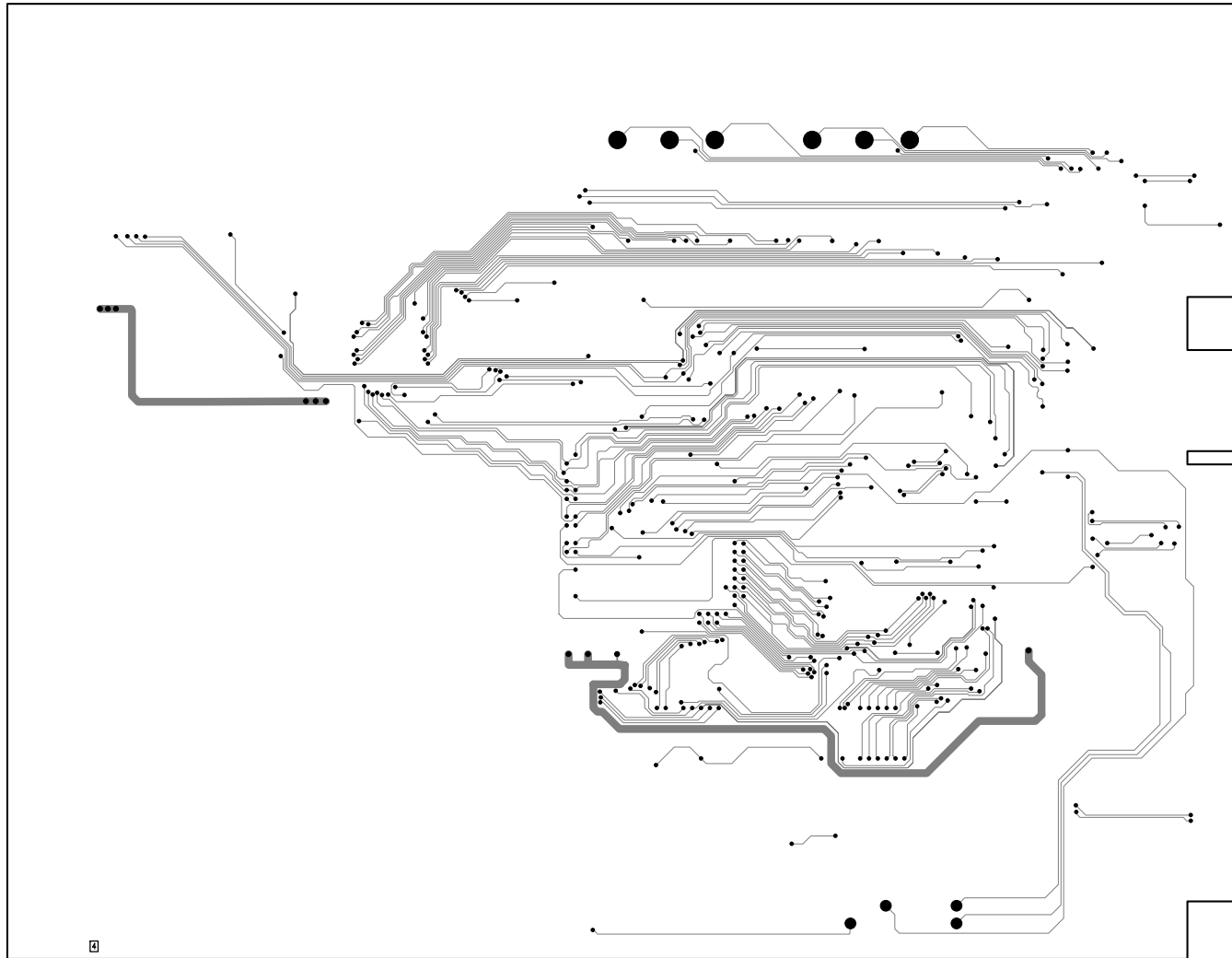
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		 20 Cotton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655	
	APPROVALS	DATE		
MATERIAL	DRAWN	06/20/07	LAYER 1 TOP SIDE ADSP-21369 EZ-KIT LITE	
FINISH	CHECKED			
DO NOT SCALE THIS DRAWING	ENGINEERING		SIZE B	REV. 2.1
	QUALITY		DWG. NO. A0196-2005-REF	
	MANUFACTURING		SCALE 1 : 1	SHEET 1 OF 14




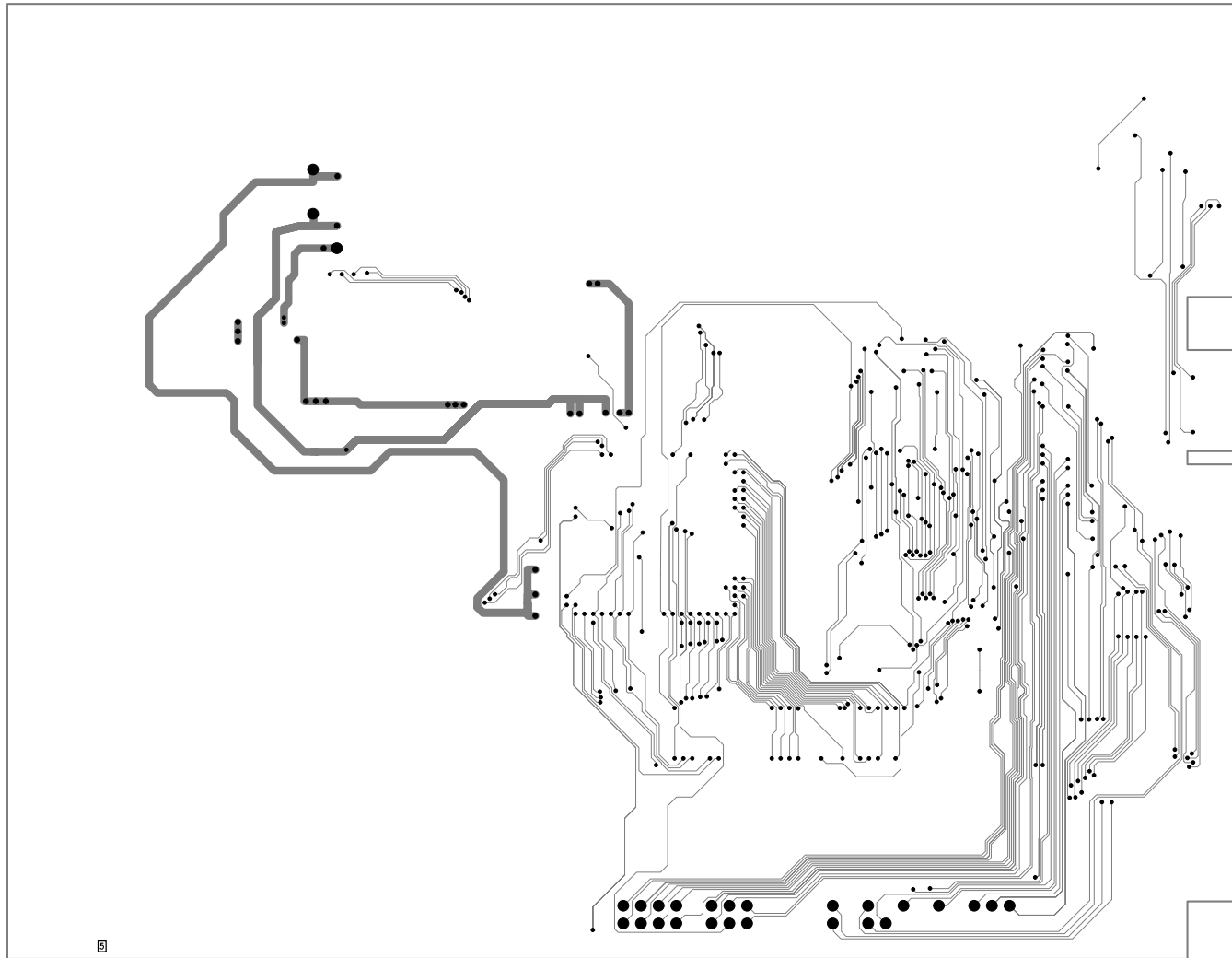
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		 20 Cotton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655	
	APPROVALS	DATE		
MATERIAL	DRAWN	06/20/07	LAYER 2 POWER PLANE 1 ADSP-21369 EZ-KIT LITE	
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FINISH	ENGINEERING		SIZE	REV.
	QUALITY		B	2.1
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1	SHEET 2 OF 14
			DWG. NO. A0196-2005-REF	




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	APPROVALS	DATE		
MATERIAL	DRAWN	06/20/07	LAYER 3 GROUND PLANE ADSP-21369 EZ-KIT LITE	
	CHECKED			
FINISH	ENGINEERING		SIZE	DWG. NO. A0196-2005-REF
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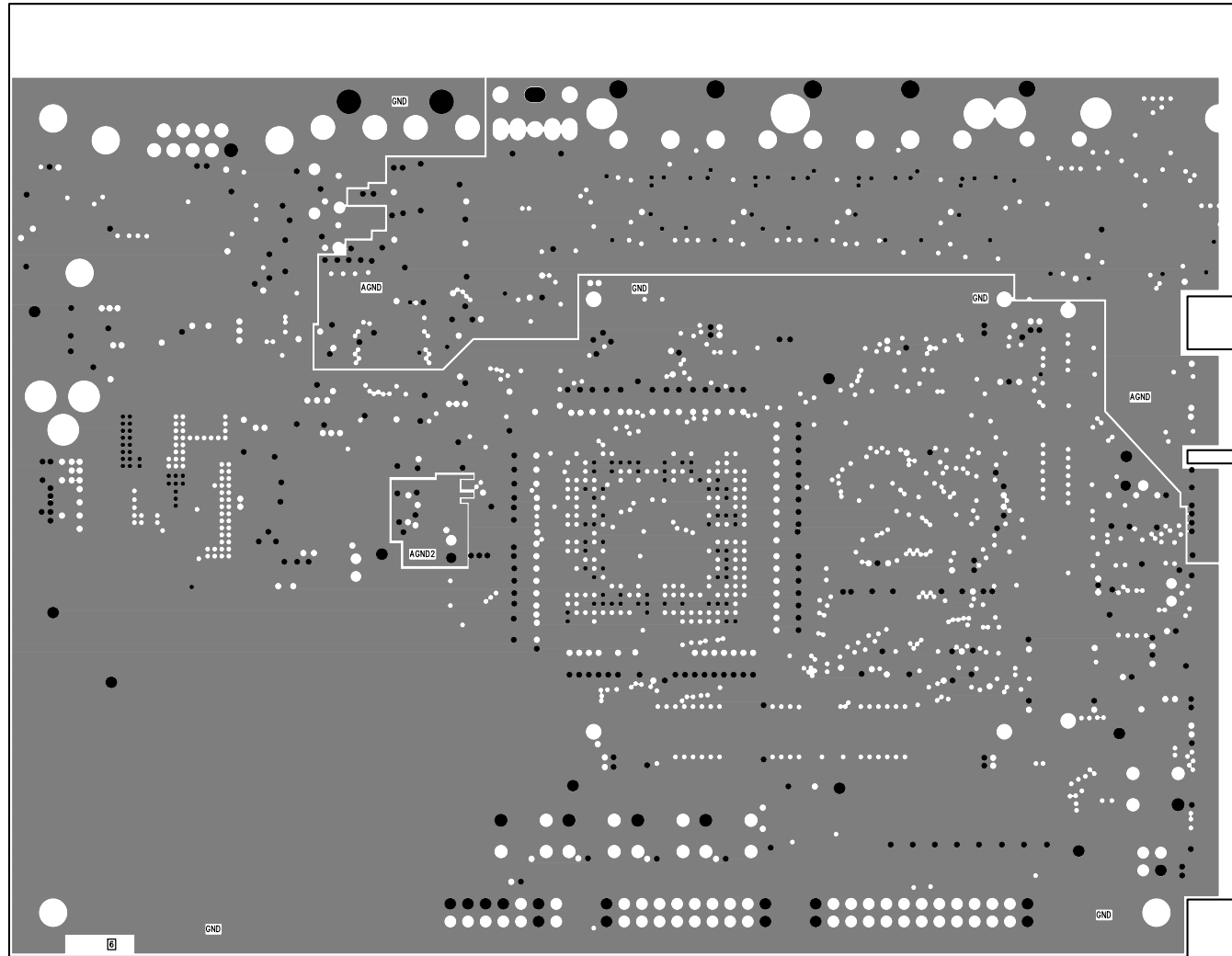



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		 20 Cotton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655	
	APPROVALS	DATE		
MATERIAL	DRAWN	06/20/07	LAYER 4 INTERNAL SIGNAL ADSP-21369 EZ-KIT LITE	
	CHECKED			
FINISH	ENGINEERING		SIZE	REV.
	QUALITY		B	2.1
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1	SHEET 4 OF 14
			DWG. NO.	A0196-2005-REF

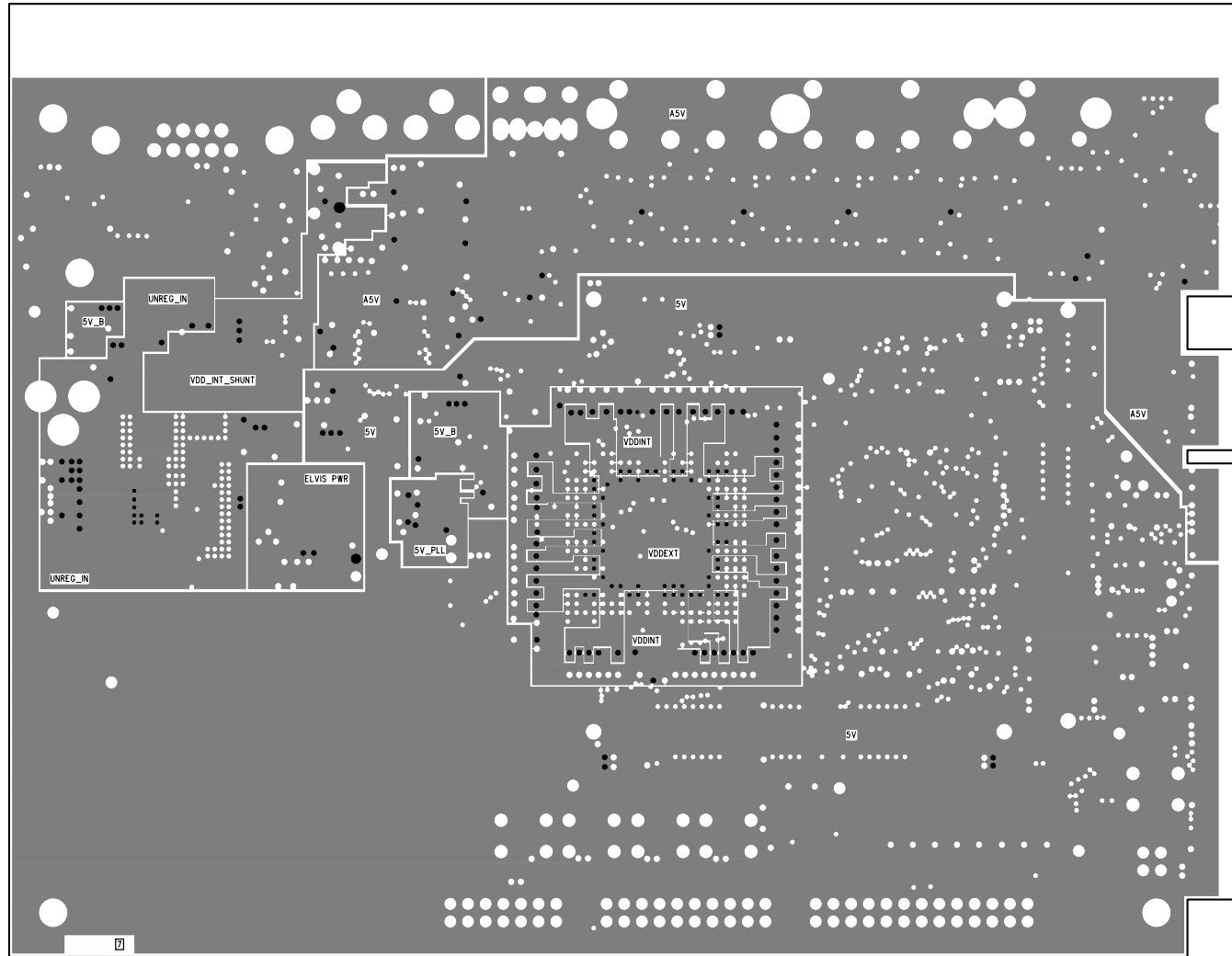



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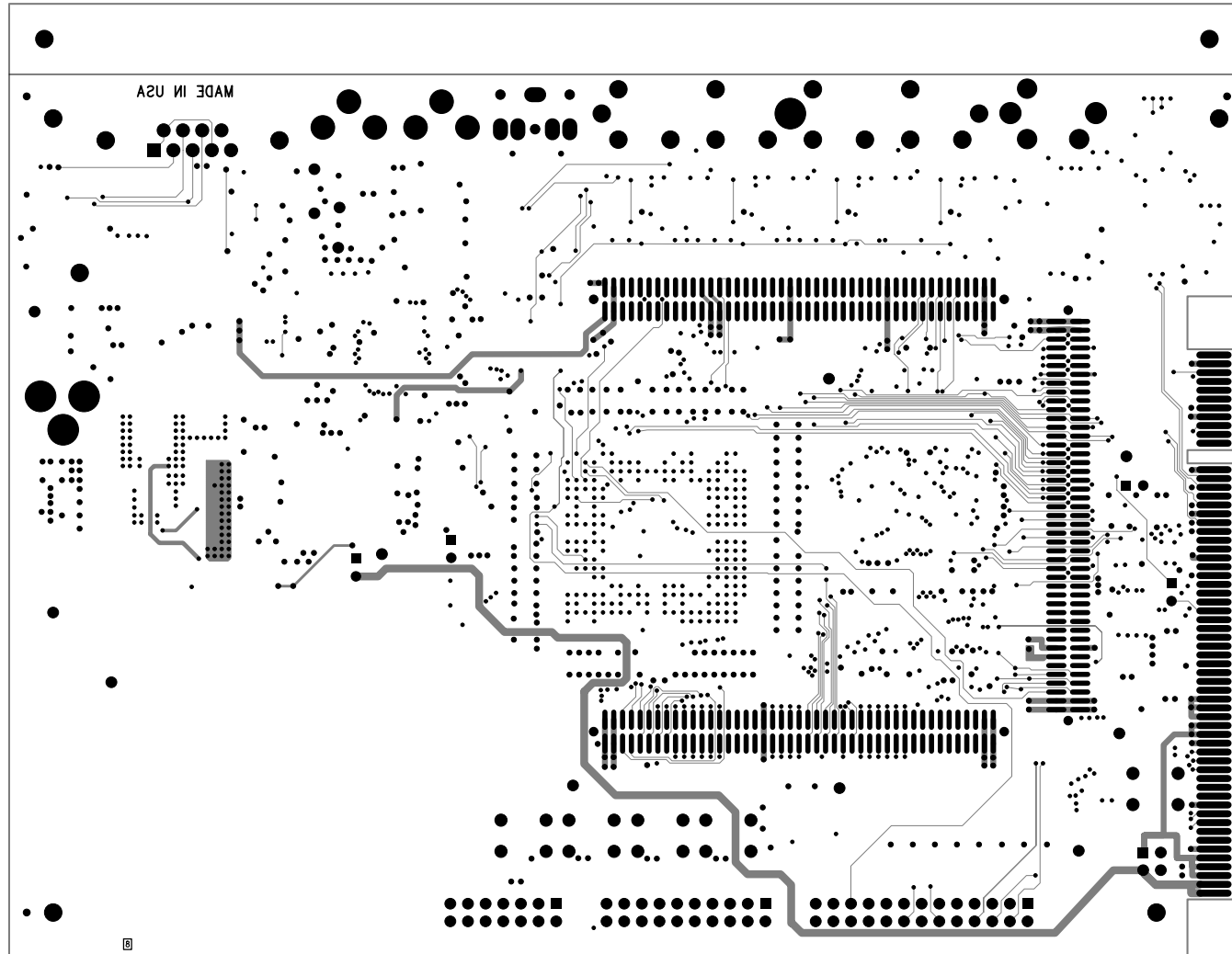
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	APPROVALS	DATE		
MATERIAL	DRAWN	06/20/07	LAYER 5 INTERNAL SIGNAL ADSP-21369 EZ-KIT LITE	
	CHECKED			
FINISH	ENGINEERING		SIZE	REV.
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DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1	SHEET 5 OF 14
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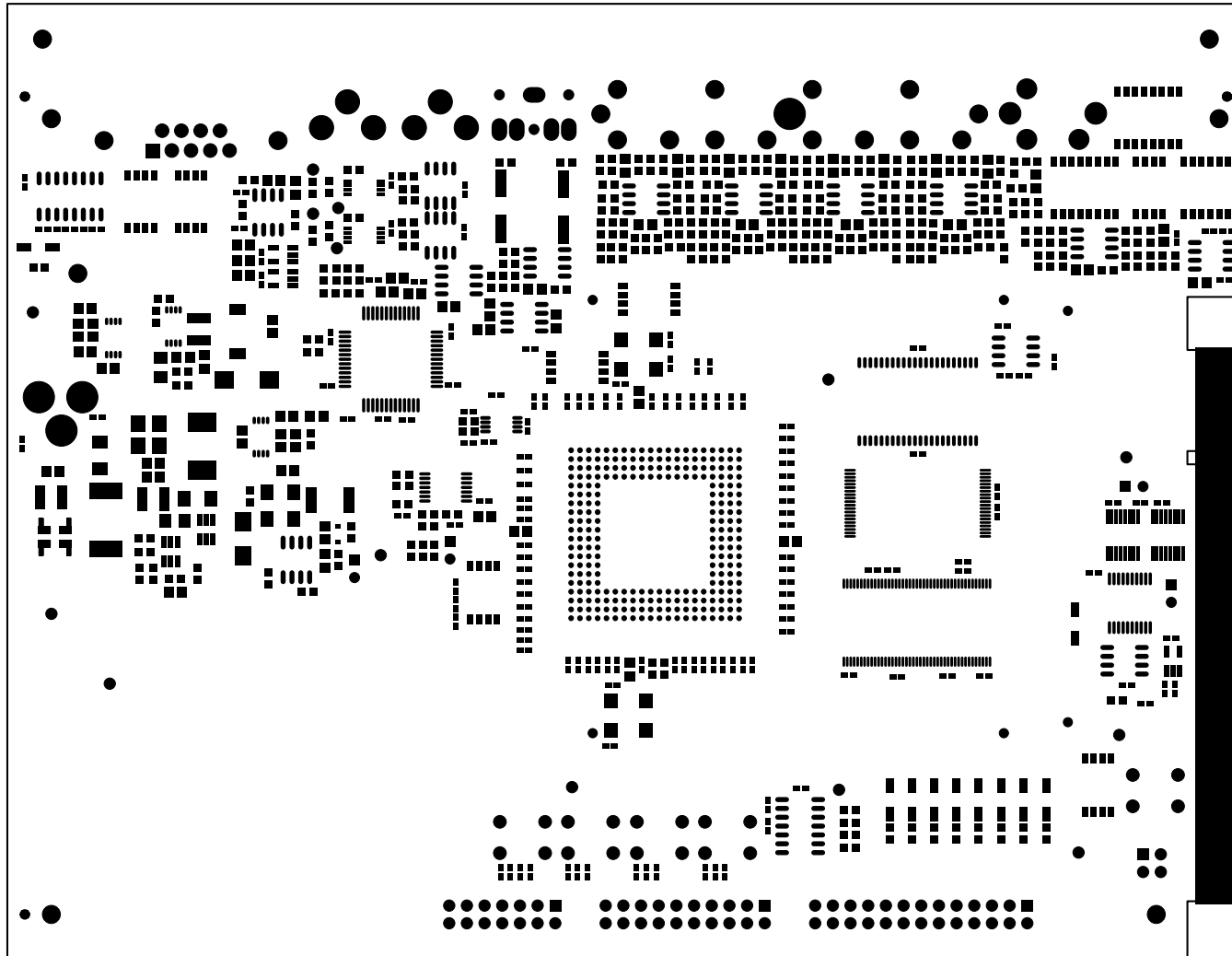
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	APPROVALS	DATE		
MATERIAL	DRAWN	06/20/07	LAYER 6 GROUND PLANE ADSP-21369 EZ-KIT LITE	
	CHECKED			
FINISH	ENGINEERING		SIZE	DWG. NO. A0196-2005-REF
	QUALITY		B	
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1	REV. 2.1
			SHEET 6 OF 14	




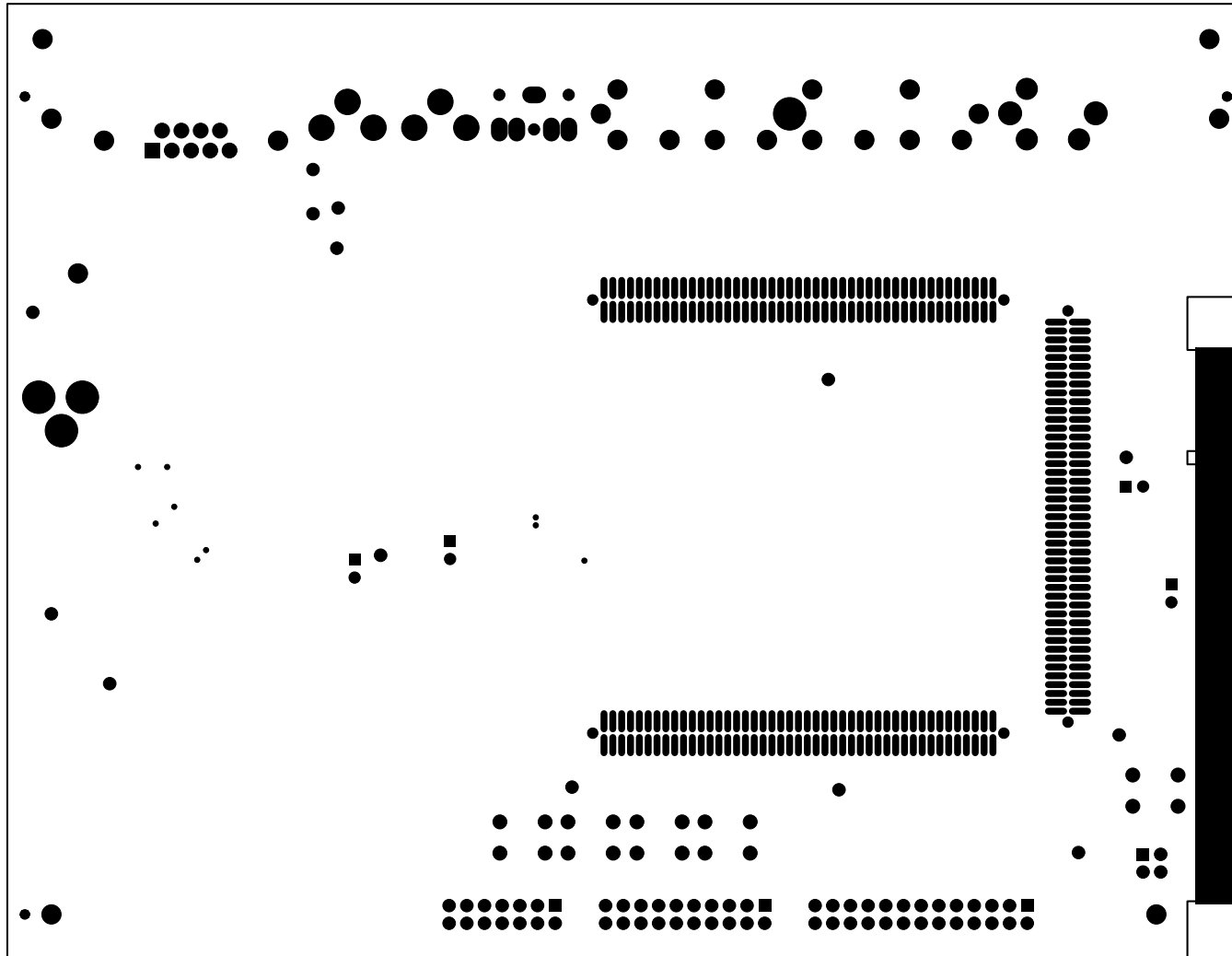
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	APPROVALS	DATE		
MATERIAL	DRAWN	06/20/07	LAYER 7 POWER PLANE 2 ADSP-21369 EZ-KIT LITE	
	CHECKED			
FINISH	ENGINEERING		SIZE B	DWG. NO. A0196-2005-REF
	QUALITY			
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1	SHEET 7 OF 14
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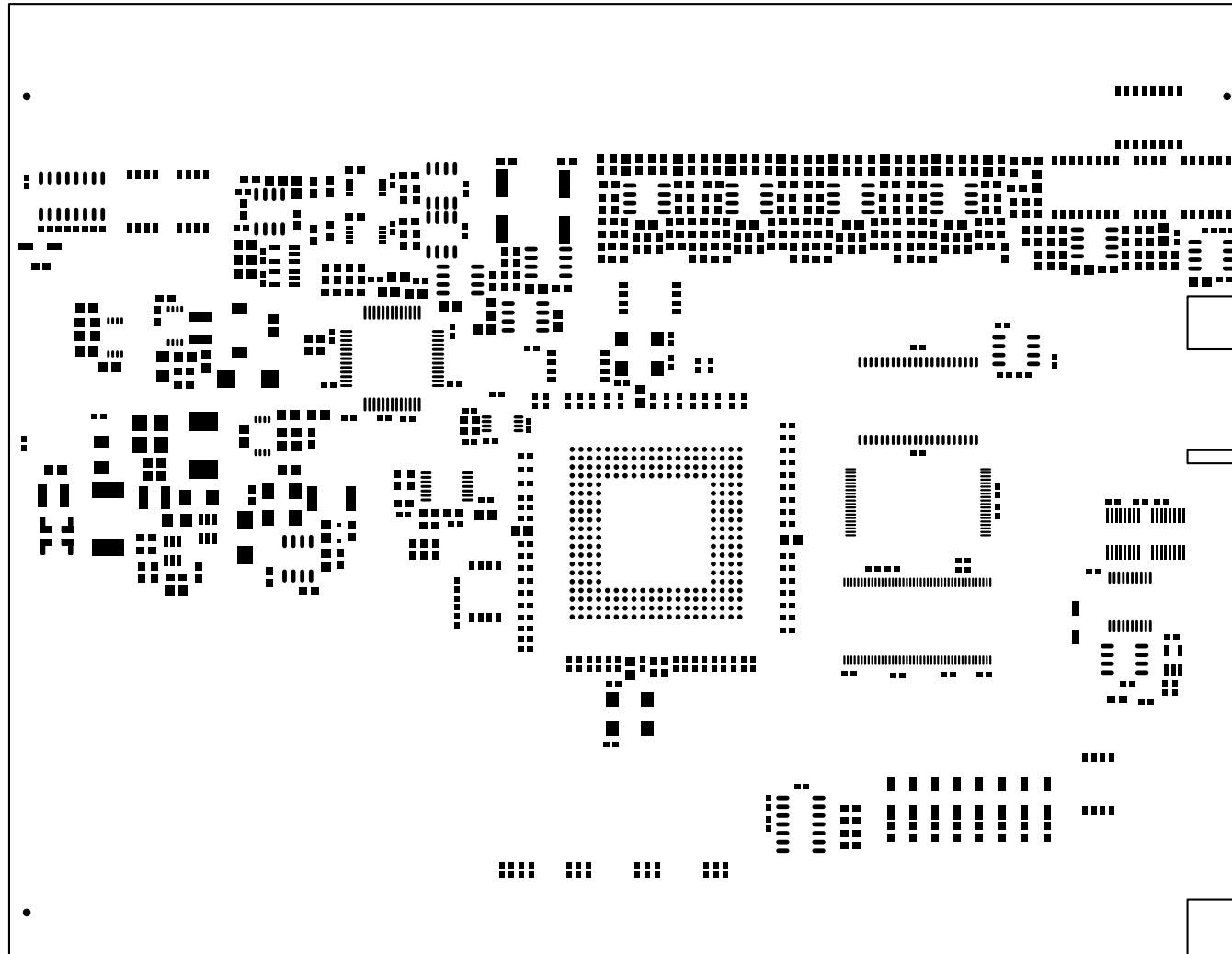
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	APPROVALS	DATE		
MATERIAL	DRAWN	06/20/07	LAYER 8 BOTTOM SIDE ADSP-21369 EZ-KIT LITE	
	CHECKED			
FINISH	ENGINEERING		SIZE B	REV. 2.1
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DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1	SHEET 8 OF 14




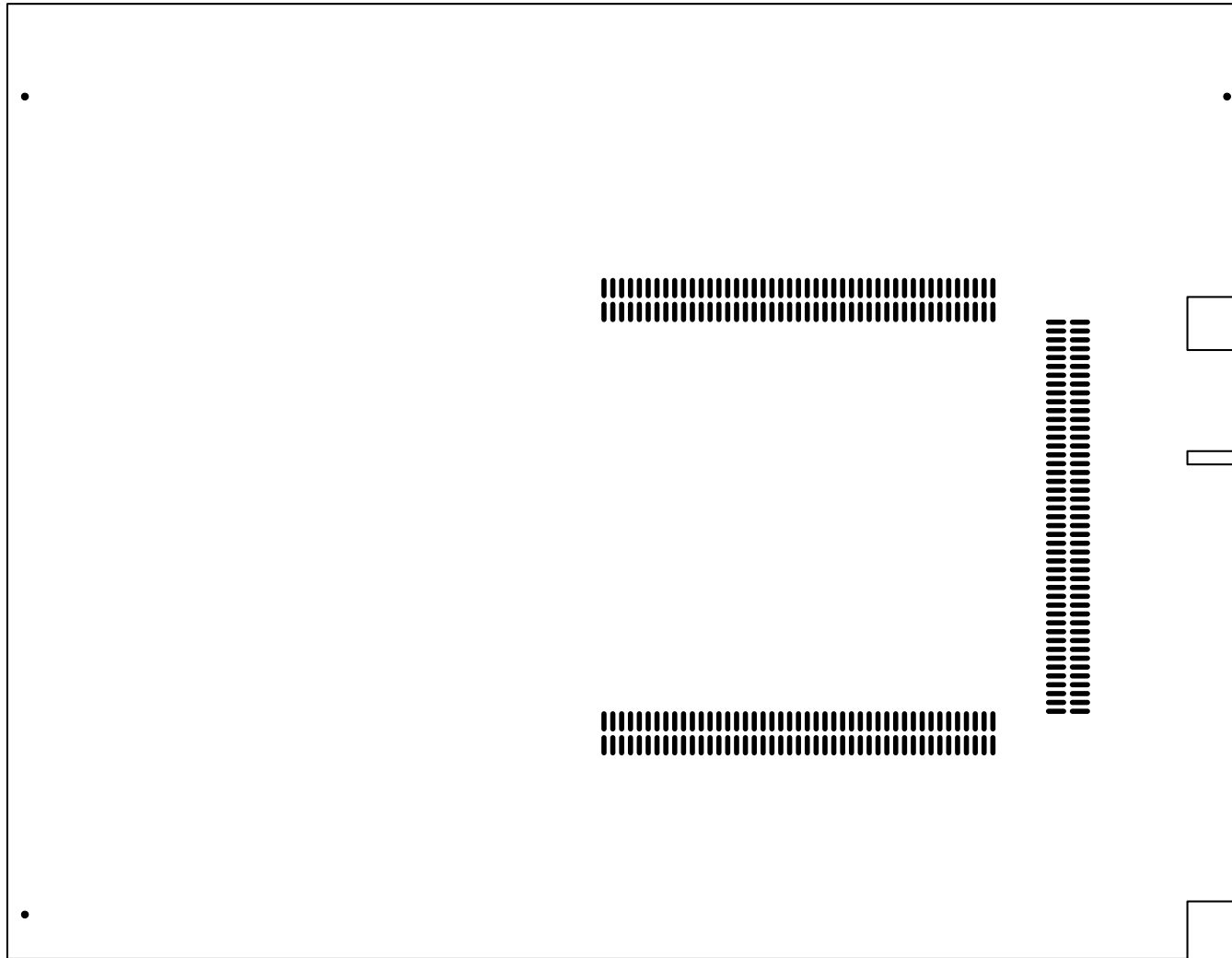
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	APPROVALS	DATE		
MATERIAL	DRAWN	06/20/07	SOLDER MASK TOP SIDE ADSP-21369 EZ-KIT LITE	
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FINISH	ENGINEERING		SIZE B	DWG. NO. A0196-2005-REF
	QUALITY			
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			SHEET 9 OF 14	




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	APPROVALS	DATE		
MATERIAL	DRAWN	06/20/07	SOLDER MASK BOTTOM SIDE ADSP-21369 EZ-KIT LITE	
	CHECKED			
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DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1	REV. 2.1
			SHEET 10 OF 14	



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	APPROVALS	DATE		
MATERIAL	DRAWN	06/20/07	SOLDER PASTE TOP SIDE ADSP-21369 EZ-KIT LITE	
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FINISH	ENGINEERING		SIZE	REV.
	QUALITY		B	2.1
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1	SHEET 13 OF 14
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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.	
	APPROVALS	DATE
MATERIAL	DRAWN	06/20/07
	CHECKED	
FINISH	ENGINEERING	
	QUALITY	
DO NOT SCALE THIS DRAWING	MANUFACTURING	

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SOLDER PASTE BOTTOM SIDE ADSP-21369 EZ-KIT LITE			
SIZE B	DWG. NO.	A0196-2005-REF	REV. 2.1
SCALE 1 : 1			SHEET 14 OF 14