
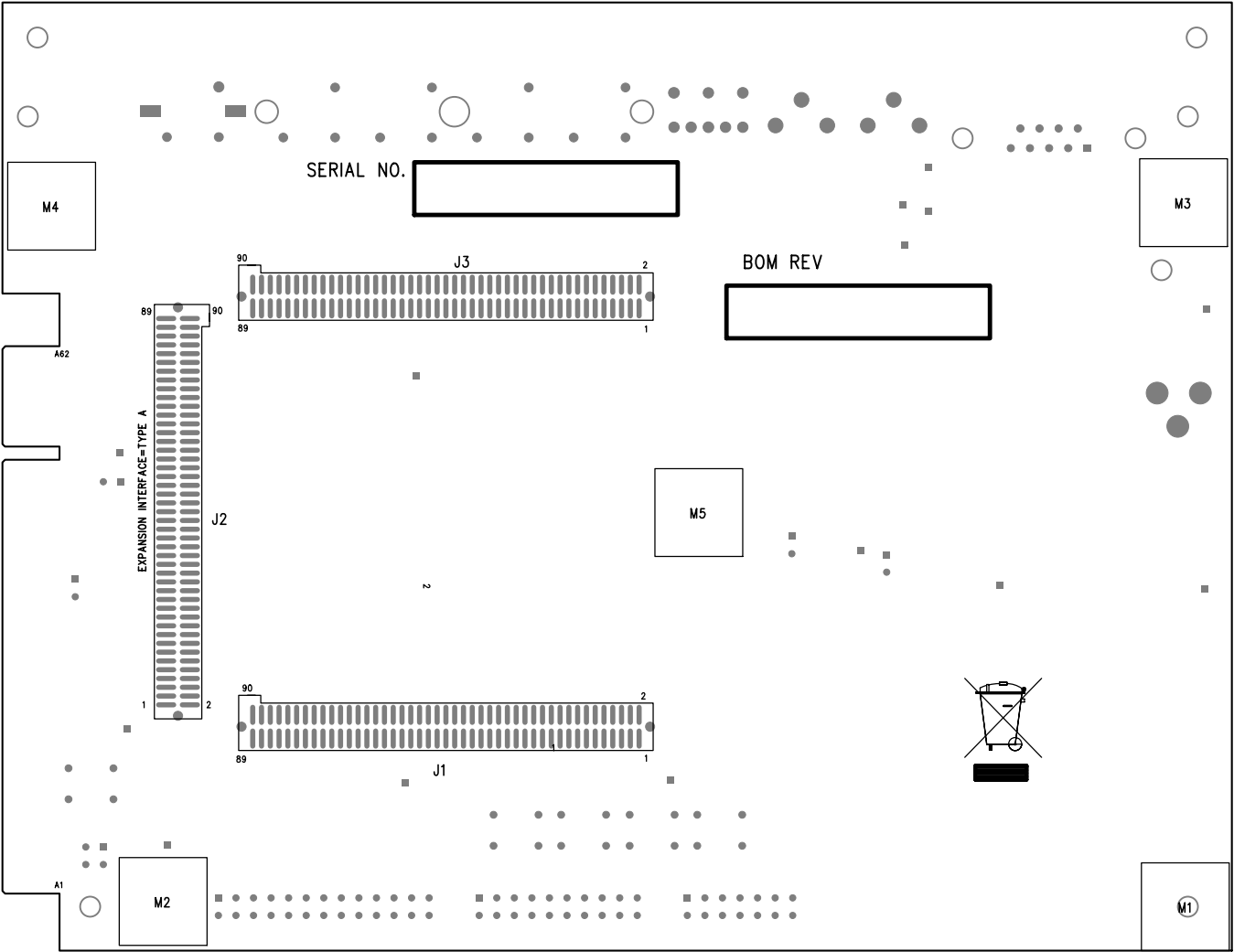


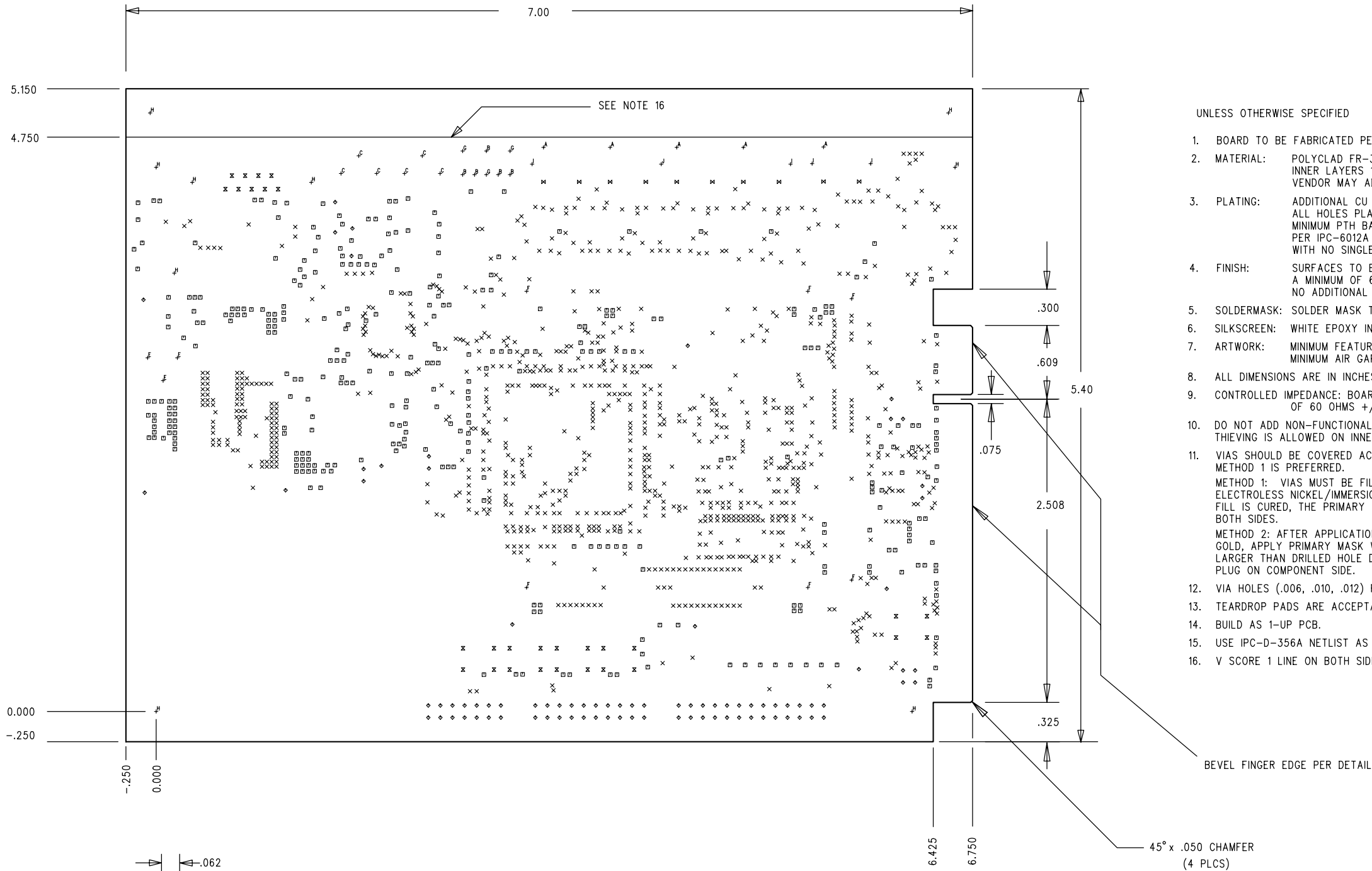
NOTES:

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

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	APPROVALS	DATE	
MATERIAL	DRAWN	06/18/07	ASSEMBLY DRAWING TOP SIDE ADSP-21375 EZ-KIT LITE
FINISH	ENGINEERING		
DO NOT SCALE THIS DRAWING	MANUFACTURING		SIZE B DWG. NO. ASSMAA0202-2006-REF 1.0
SCALE 1 : 1		SHEET 1 OF 2	

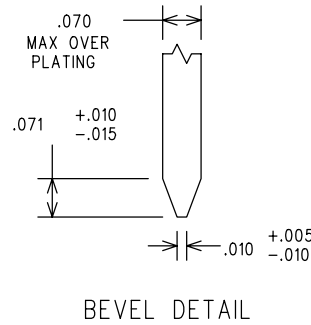
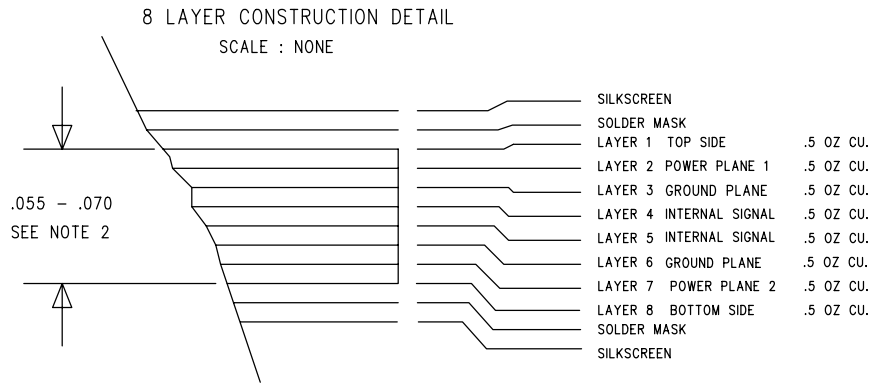
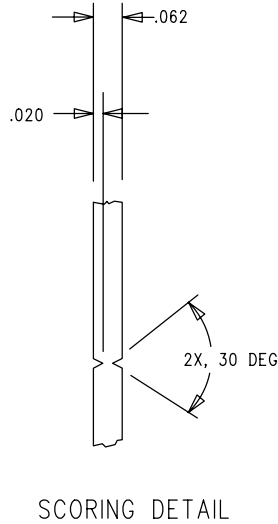



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		<div><div></div><div><b>ANALOG DEVICES</b></div></div> <div>20 Cotton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655</div>		
	APPROVALS	DATE			
	DRAWN	06/18/07	ASSEMBLY DRAWING BOTTOM SIDE ADSP-21375 EZ-KIT LITE		
	CHECKED				
MATERIAL	ENGINEERING		SIZE B	DWG. NO. ASSMAA0202-2006-REF	REV. 1.0
FINISH	QUALITY				
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1	SHEET 2 OF 2	



- 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 .00492" 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.

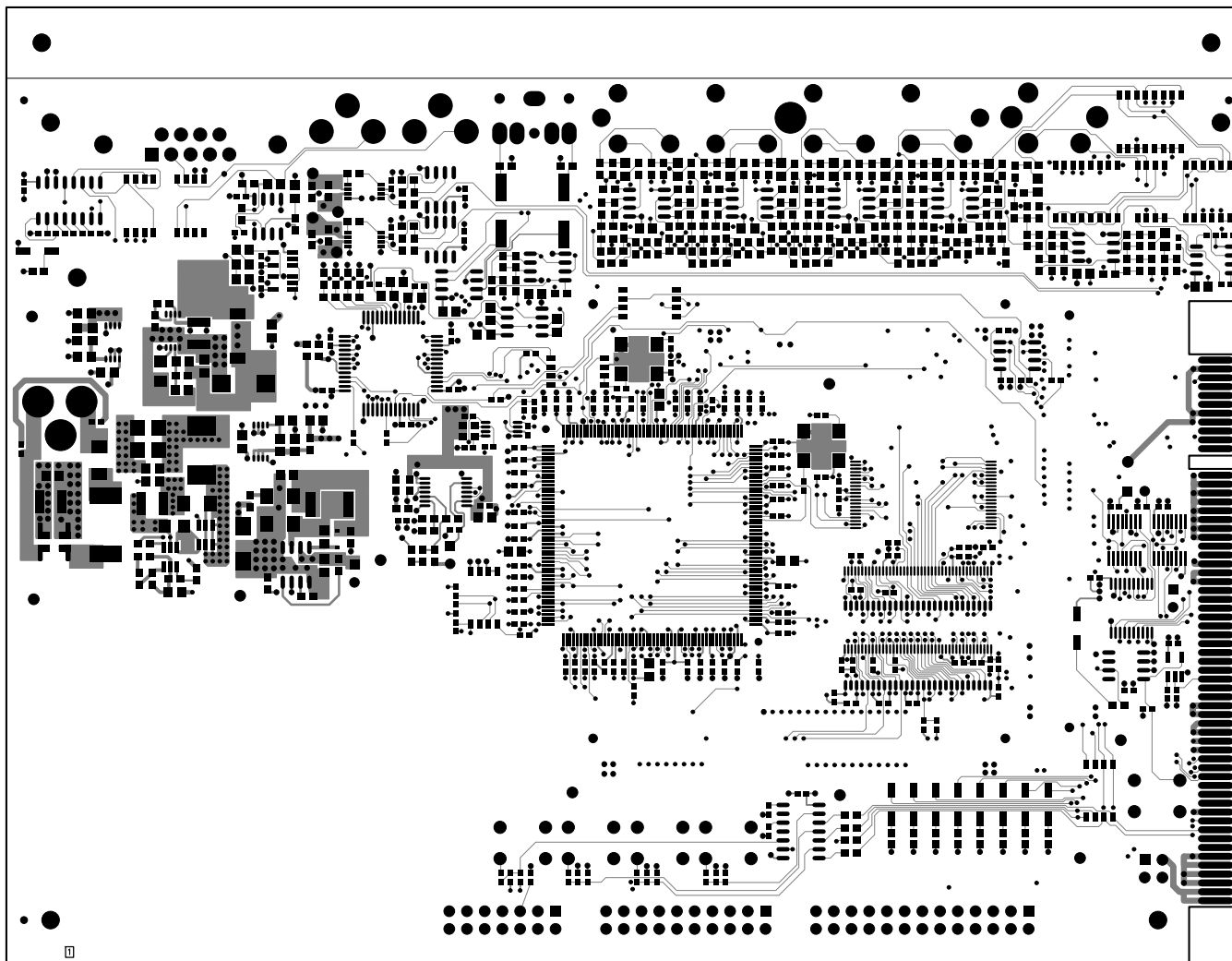
SIZE	QTY	SYM	PLATED	TOL
10	961	✕	YES	+0.003-0.010
12	344	□	YES	+0.003-0.012
37	86	◇	YES	+/-0.003
41	29	⊗	YES	+/-0.003
51	10	⊠	YES	+/-0.003
59	5	+ <sup>A</sup>	YES	+/-0.003
70	5	+ <sup>B</sup>	YES	+/-0.003
85	6	+ <sup>C</sup>	YES	+/-0.003
125	3	+ <sup>E</sup>	YES	+/-0.003
53	6	+ <sup>F</sup>	NO	+0.003-0.000
67	3	+ <sup>G</sup>	NO	+/-0.003
125	9	+ <sup>H</sup>	NO	+/-0.005
140	4	+ <sup>I</sup>	NO	+/-0.005
187	1	+ <sup>J</sup>	NO	+/-0.005




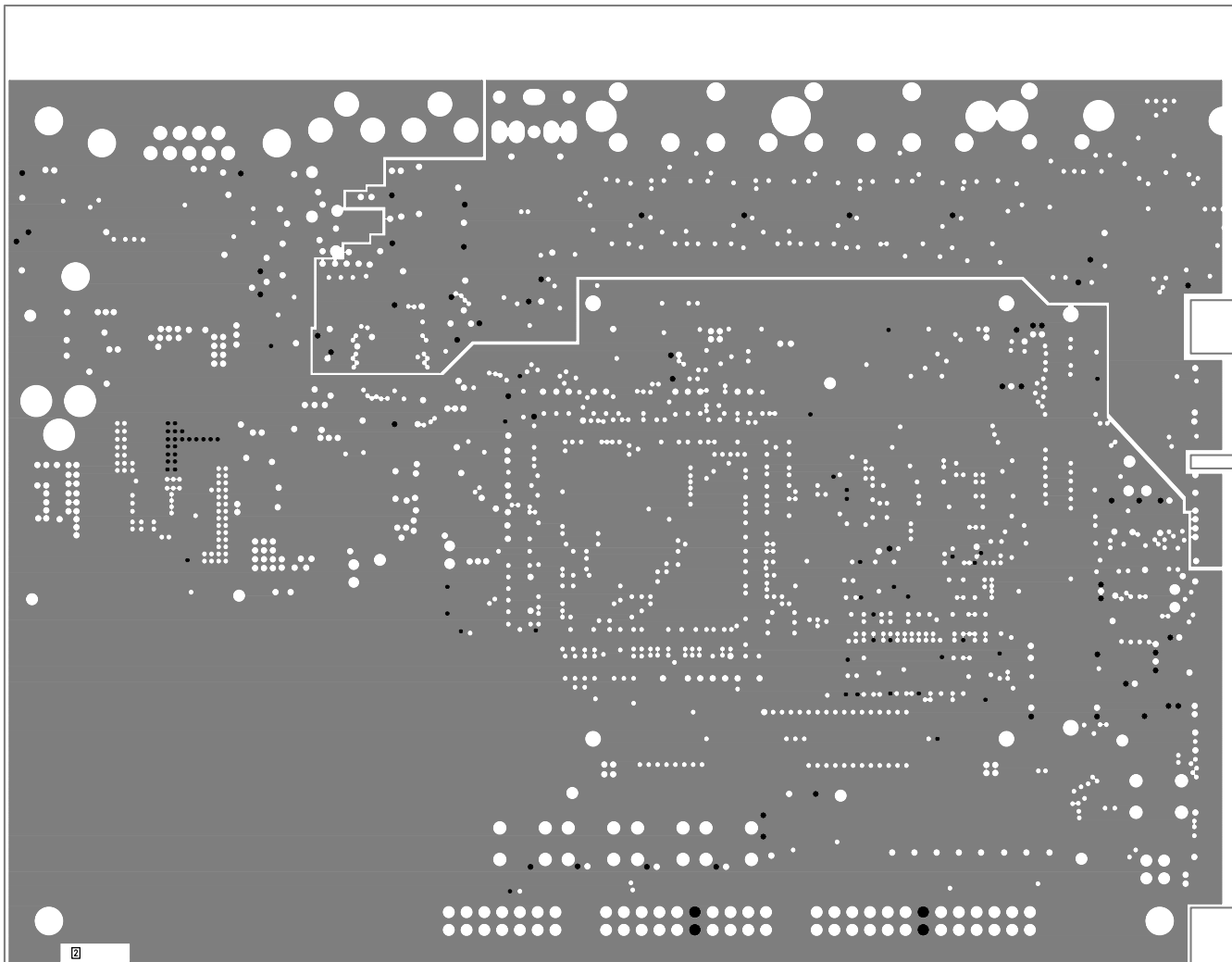
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	APPROVALS	DATE			
MATERIAL SEE NOTES	DRAWN	06/18/07	FABRICATION DRAWING ADSP-21375 EZ-KIT LITE		
	CHECKED				
FINISH SEE NOTES	ENGINEERING		SIZE B	DWG. NO. A0202-2006-REF	REV. 1.0
	QUALITY				
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1		SHEET 1 OF 1








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	APPROVALS	DATE		
MATERIAL	DRAWN	06/18/07	LAYER 1 TOP SIDE ADSP-21375 EZ-KIT LITE	
	CHECKED			
FINISH	ENGINEERING		SIZE	REV.
	QUALITY		B	1.0
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1	SHEET 1 OF 14
			DWG. NO.	A0202-2006-REF



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	APPROVALS	DATE		
MATERIAL	DRAWN	06/18/07	LAYER 2 POWER PLANE 1 ADSP-21375 EZ-KIT LITE	
	CHECKED			
FINISH	ENGINEERING		SIZE	REV.
	QUALITY		B	1.0
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1	SHEET 2 OF 14

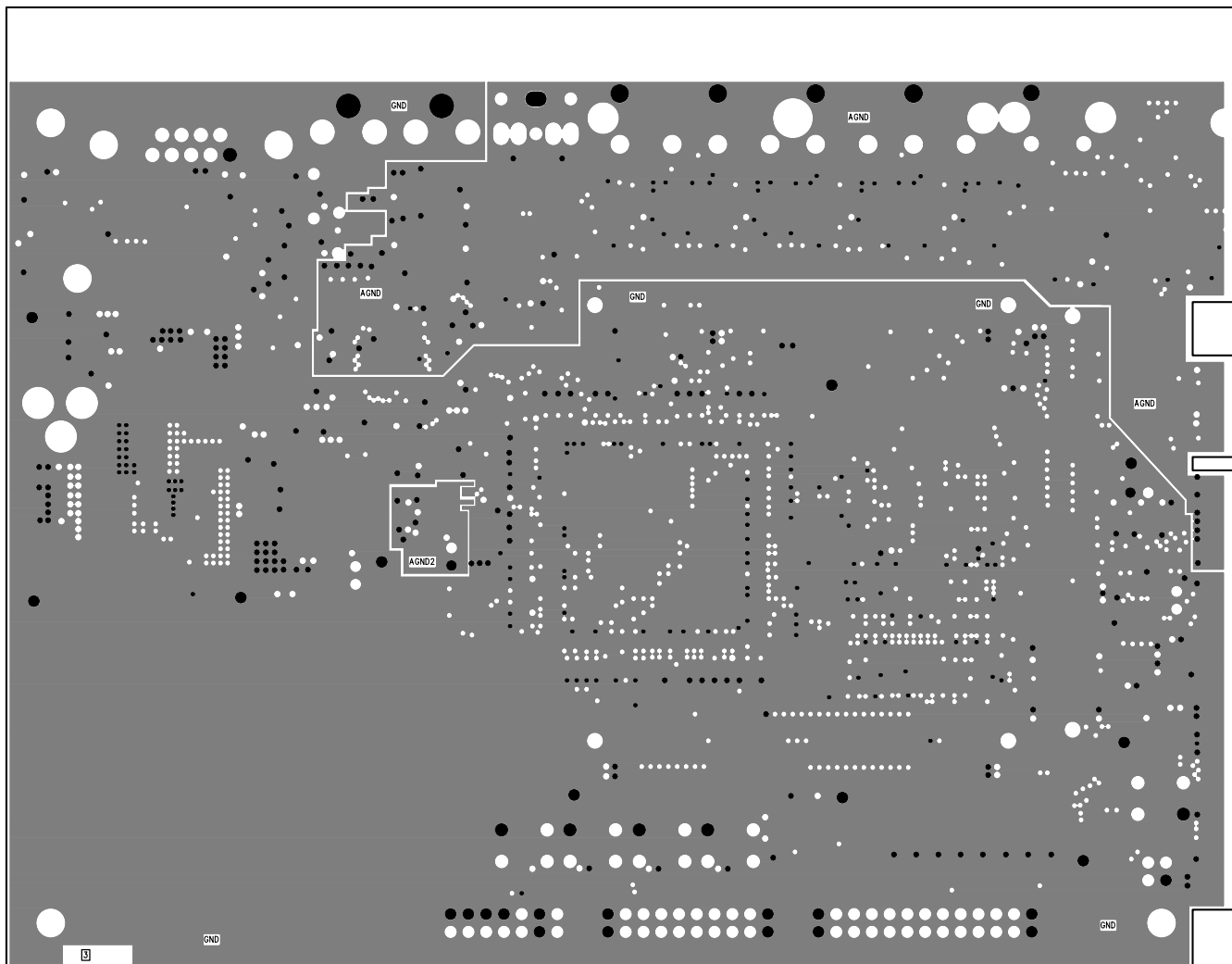



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LAYER 2 POWER PLANE 1  
ADSP-21375 EZ-KIT LITE

SIZE B DWG. NO. A0202-2006-REF REV. 1.0

SCALE 1 : 1 SHEET 2 OF 14



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	APPROVALS	DATE		
MATERIAL	DRAWN	06/18/07	LAYER 3 GROUND PLANE ADSP-21375 EZ-KIT LITE	
	CHECKED			
FINISH	ENGINEERING		SIZE B	REV. 1.0
	QUALITY			
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1	SHEET 3 OF 14

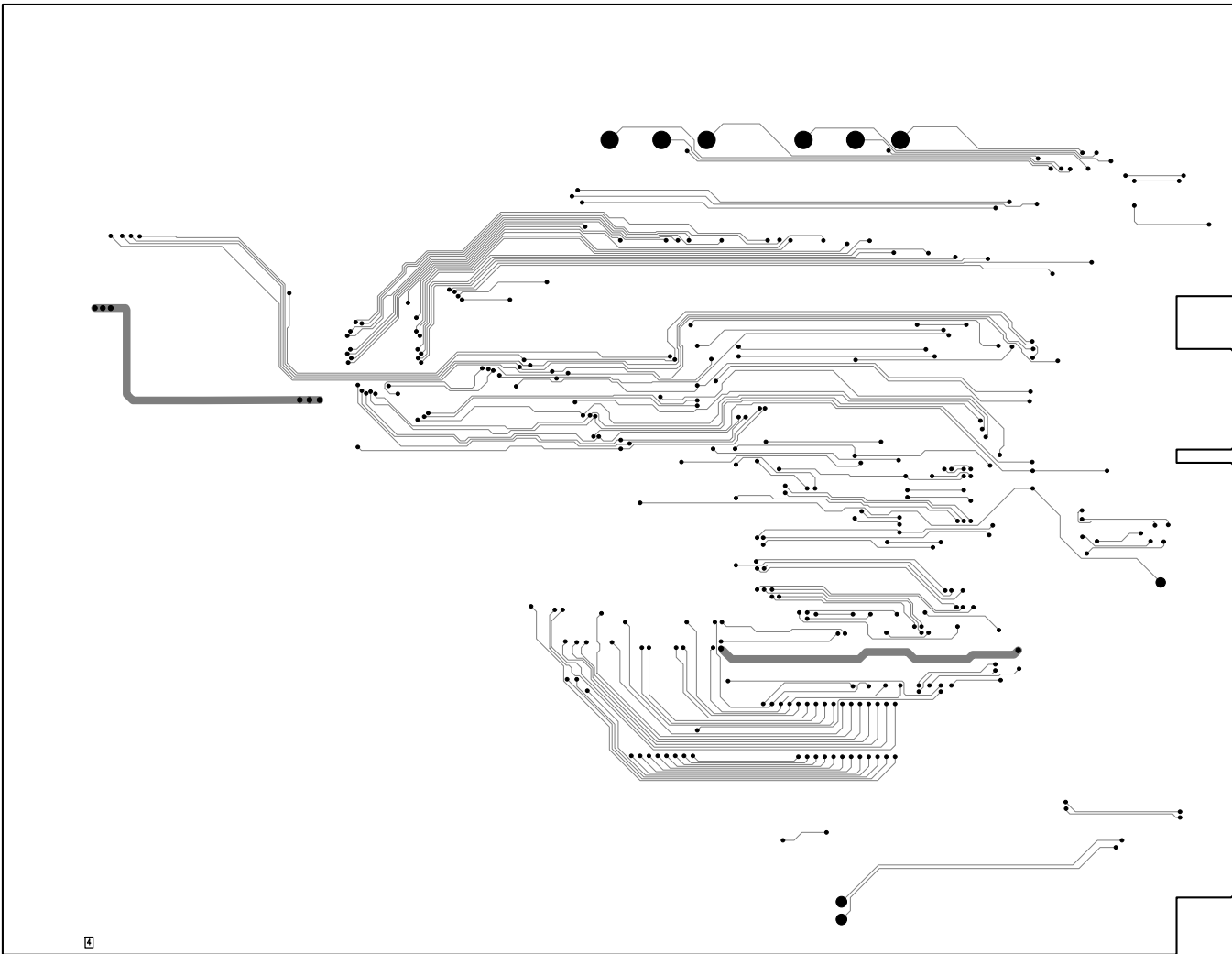

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LAYER 3 GROUND PLANE  
ADSP-21375 EZ-KIT LITE

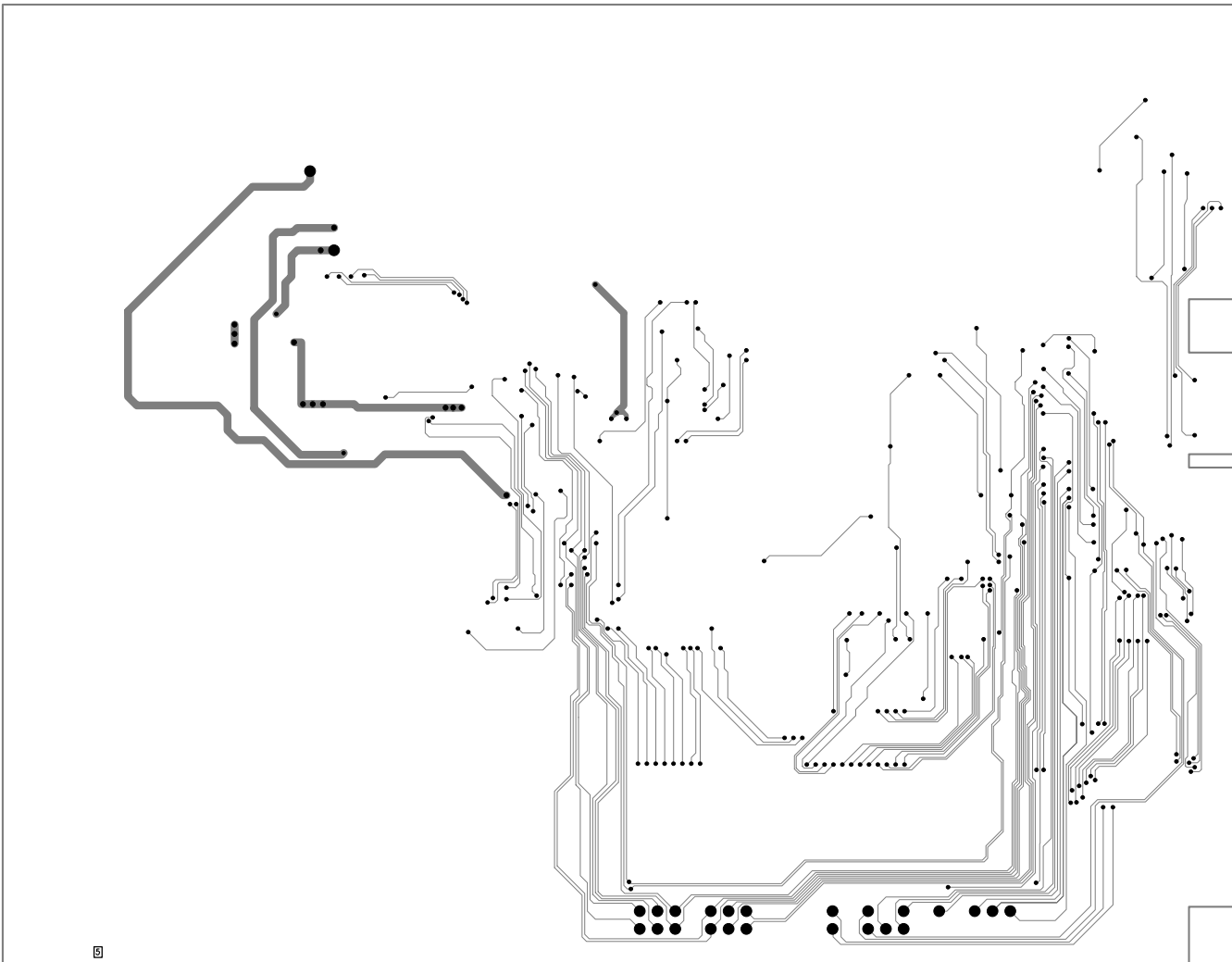
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REV. 1.0


SCALE 1 : 1  
SHEET 3 OF 14



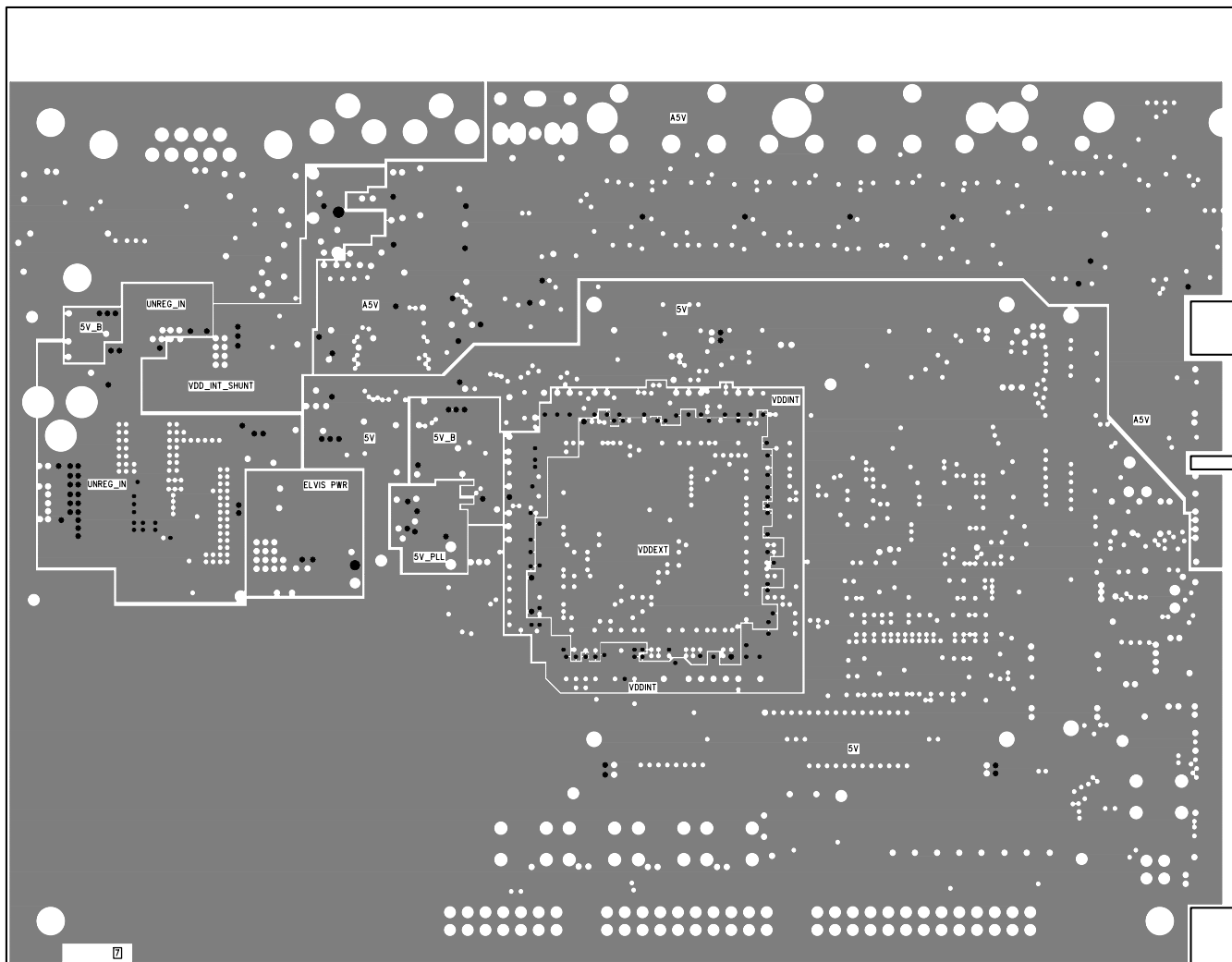



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	APPROVALS	DATE			
MATERIAL	DRAWN	06/18/07	LAYER 4 INTERNAL SIGNAL ADSP-21375 EZ-KIT LITE		
	CHECKED				
FINISH	ENGINEERING		SIZE B	DWG. NO. A0202-2006-REF	REV. 1.0
	QUALITY				
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1		SHEET 4 OF 14

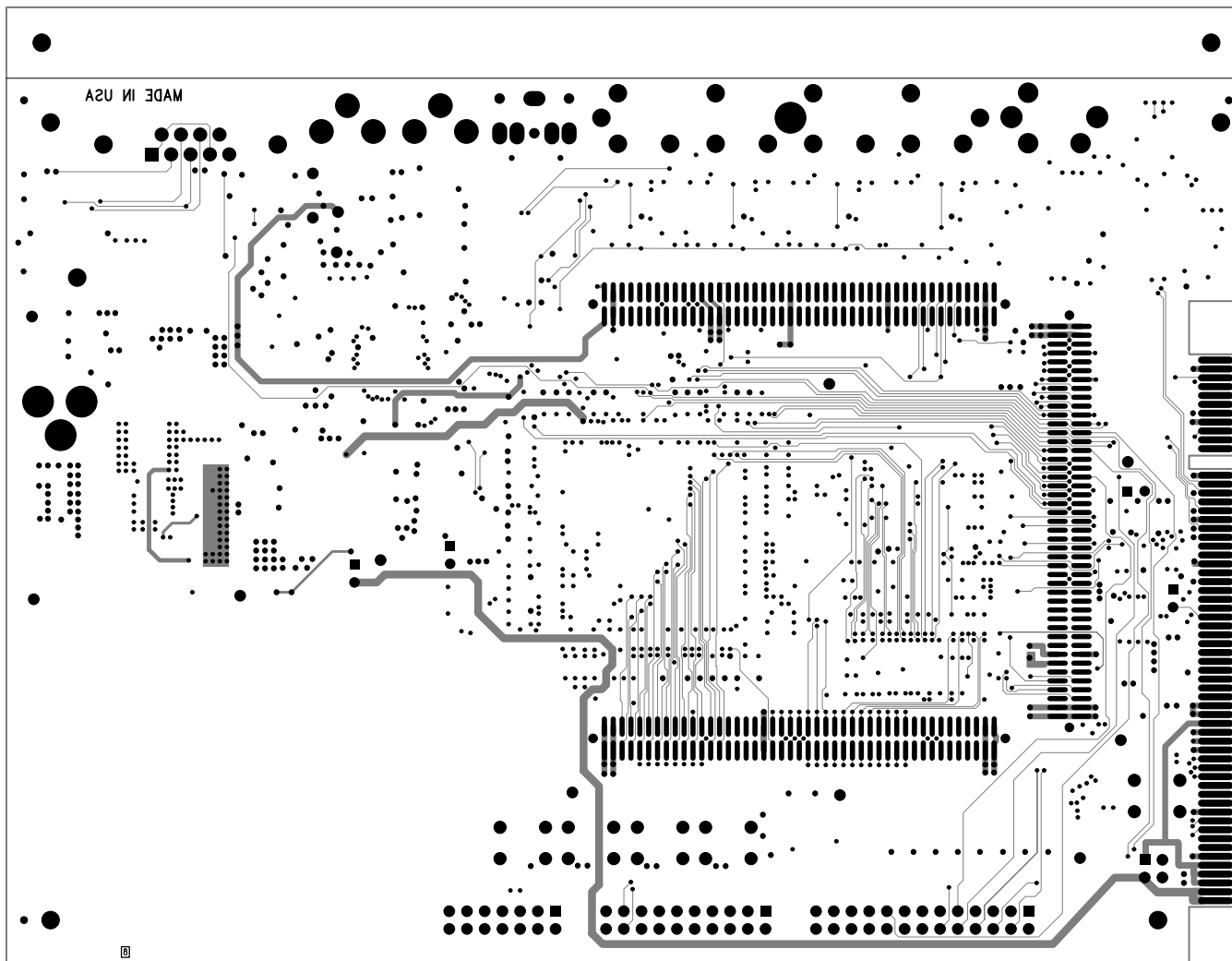



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		 20 Cotton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655	
	APPROVALS	DATE		
MATERIAL	DRAWN	06/18/07	LAYER 5 INTERNAL SIGNAL ADSP-21375 EZ-KIT LITE	
	CHECKED			
FINISH	ENGINEERING		SIZE	REV.
	QUALITY		B	1.0
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1	SHEET 5 OF 14

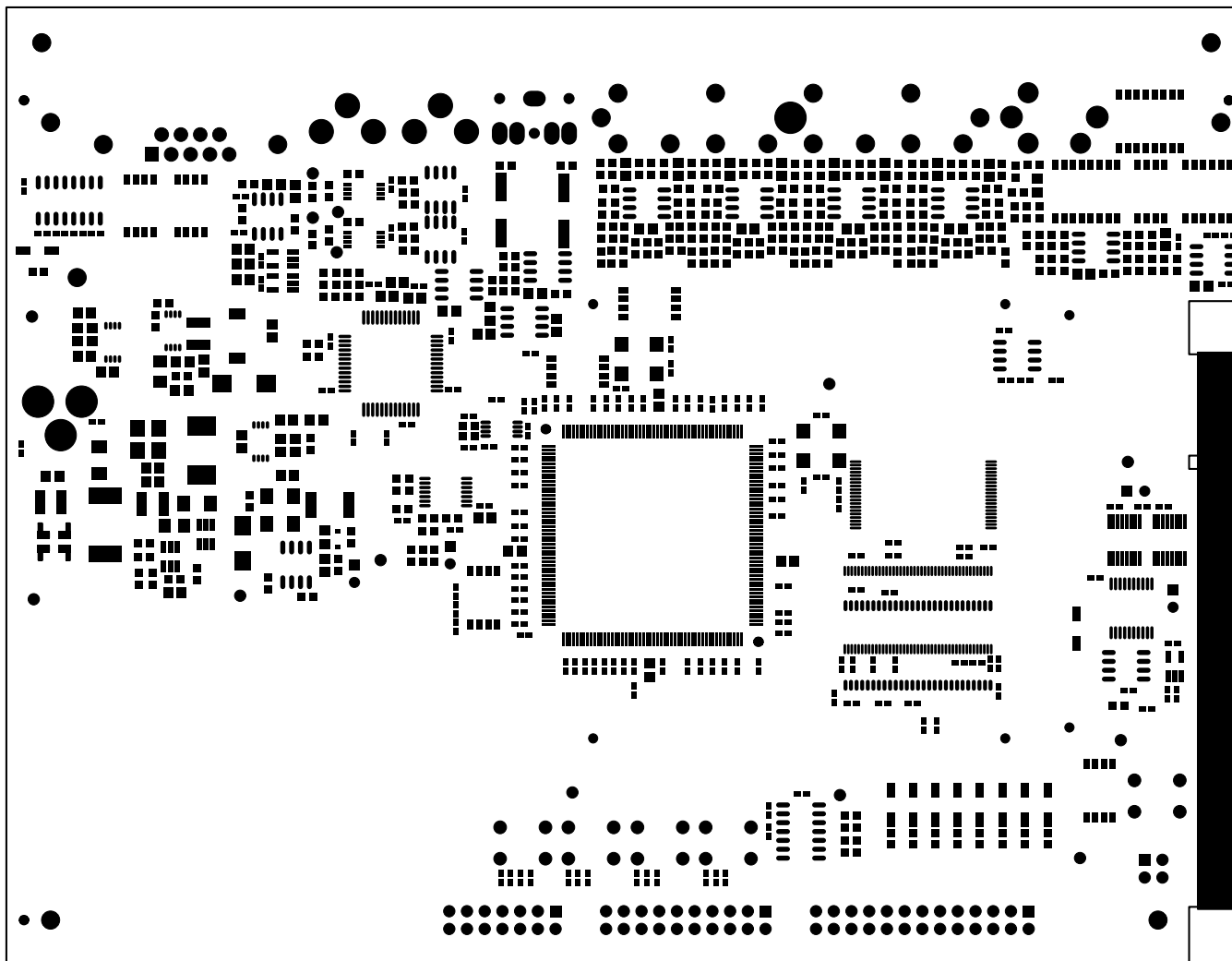





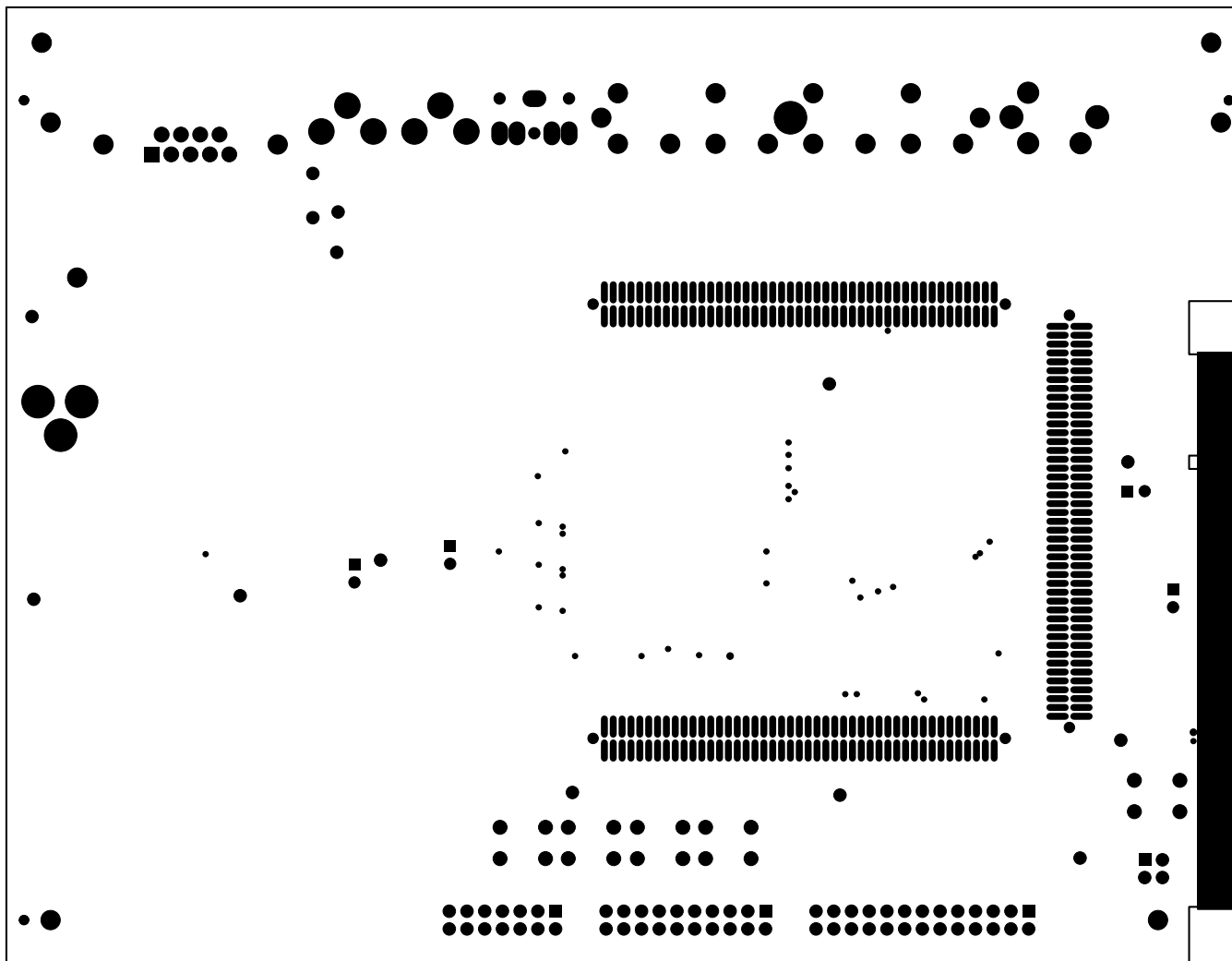
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		 20 Cotton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655
	APPROVALS	DATE	
MATERIAL	DRAWN	06/18/07	LAYER 7 POWER PLANE 2 ADSP-21375 EZ-KIT LITE
	CHECKED		
FINISH	ENGINEERING		SIZE B
	QUALITY		
DO NOT SCALE THIS DRAWING	MANUFACTURING		DWG. NO. A0202-2006-REF REV. 1.0
SCALE 1 : 1		SHEET 7 OF 14	





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	APPROVALS	DATE	
MATERIAL	DRAWN	06/18/07	LAYER 8 BOTTOM SIDE ADSP-21375 EZ-KIT LITE
	CHECKED		
FINISH	ENGINEERING		SIZE B
	QUALITY		
DO NOT SCALE THIS DRAWING	MANUFACTURING		DWG. NO. A0202-2006-REF REV. 1.0
SCALE 1 : 1		SHEET 8 OF 14	



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	APPROVALS	DATE		
MATERIAL	DRAWN	06/18/07	SOLDER MASK TOP SIDE ADSP-21375 EZ-KIT LITE	
	CHECKED			
FINISH	ENGINEERING		SIZE B	REV. 1.0
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DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1	SHEET 9 OF 14



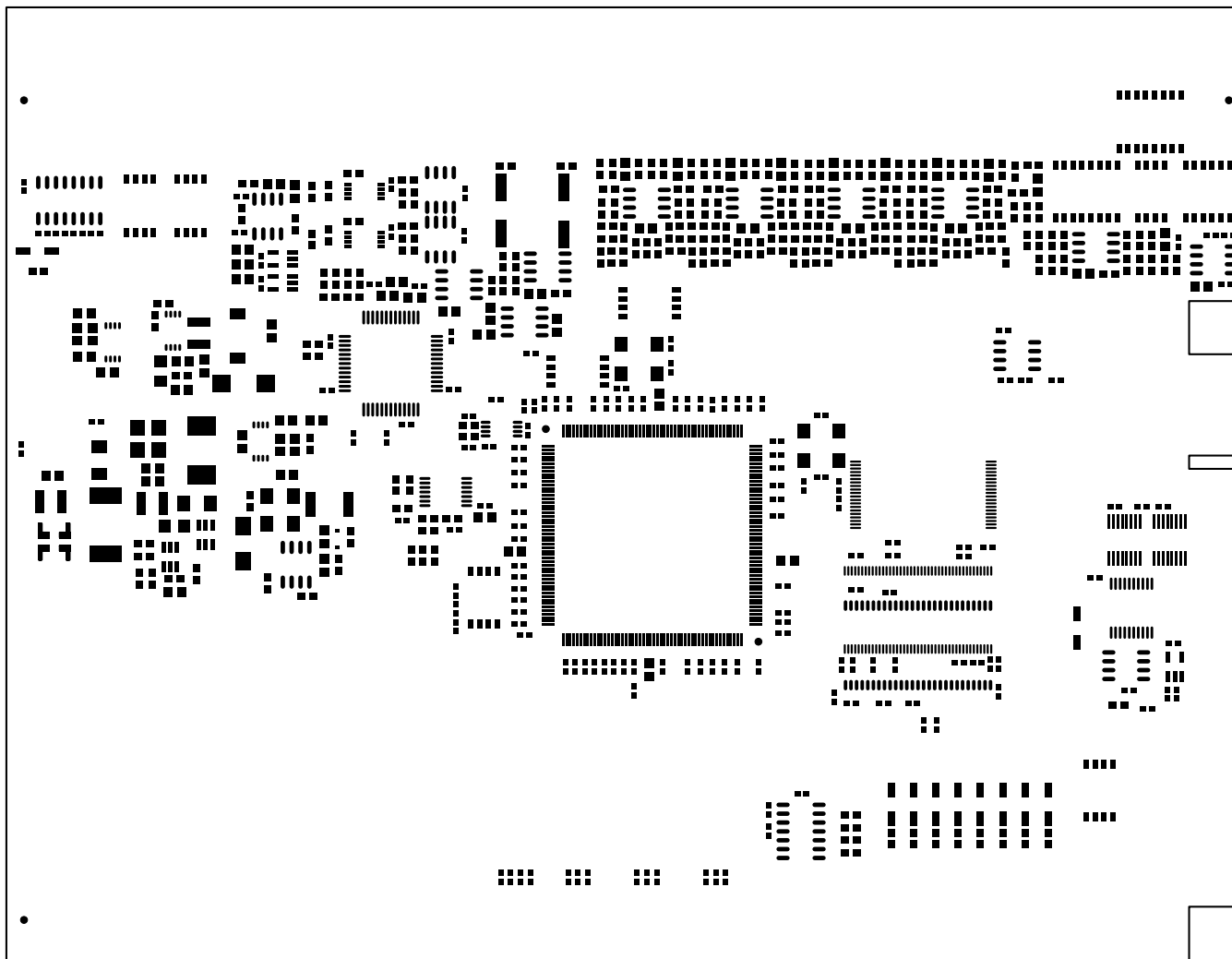
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		 20 Cotton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655	
	APPROVALS	DATE		
MATERIAL	DRAWN	06/18/07	SOLDER MASK BOTTOM SIDE ADSP-21375 EZ-KIT LITE	
	CHECKED			
FINISH	ENGINEERING		SIZE	REV.
	QUALITY		B	1.0
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SOLDER MASK BOTTOM SIDE  
ADSP-21375 EZ-KIT LITE

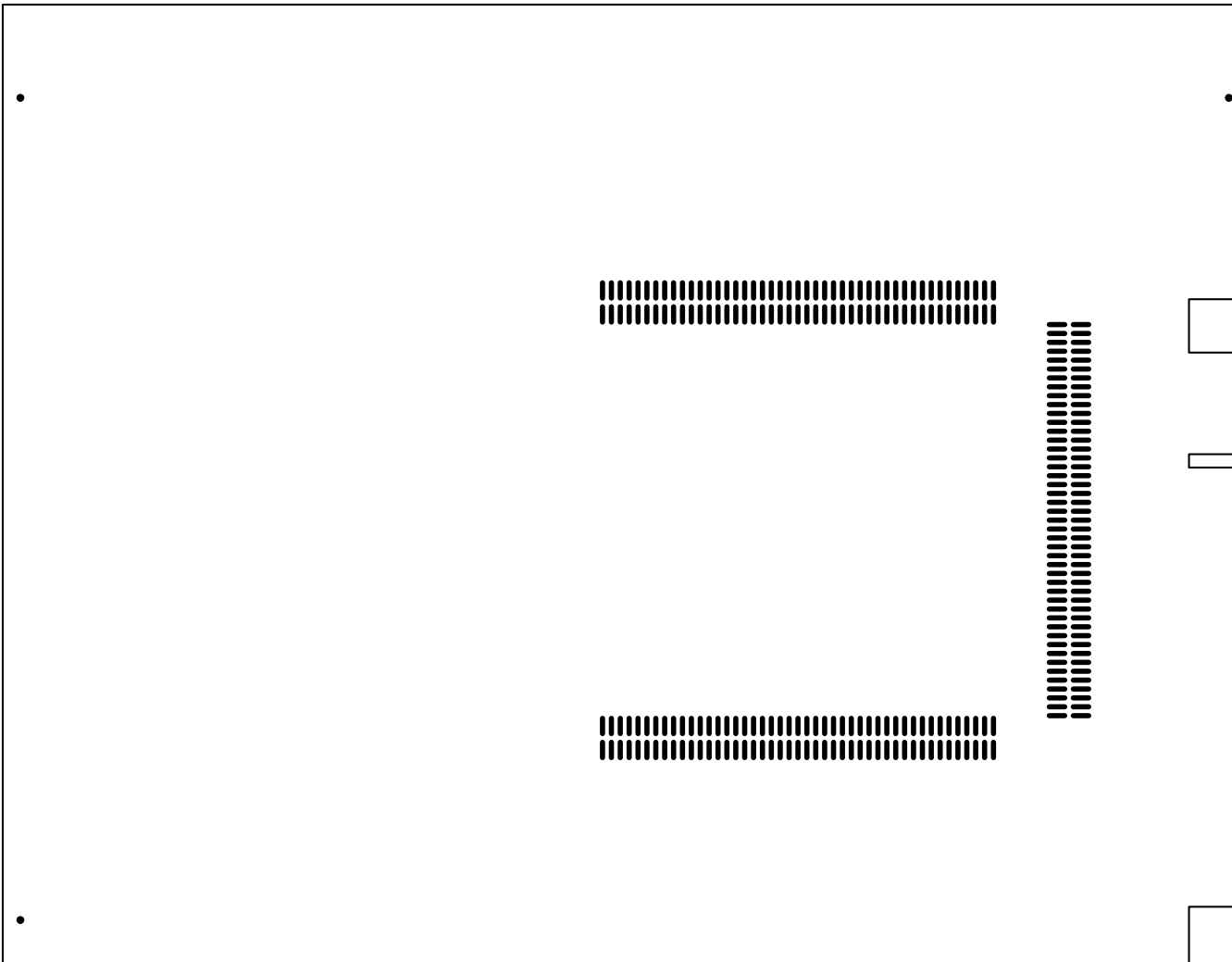
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REV. 1.0

SCALE 1 : 1  
SHEET 10 OF 14




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	APPROVALS	DATE		
MATERIAL	DRAWN	06/18/07	SOLDER PASTE TOP SIDE ADSP-21375 EZ-KIT LITE	
	CHECKED			
FINISH	ENGINEERING		SIZE	REV.
	QUALITY		B	1.0
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1	SHEET 13 OF 14
			DWG. NO.	A0202-2006-REF





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	APPROVALS	DATE
MATERIAL	DRAWN	06/18/07
	CHECKED	
FINISH	ENGINEERING	
	QUALITY	
DO NOT SCALE THIS DRAWING	MANUFACTURING	

		20 Cotton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655	
SOLDER PASTE BOTTOM SIDE ADSP-21375 EZ-KIT LITE			
SIZE B	DWG. NO.	A0202-2006-REF	REV. 1.0
SCALE 1 : 1			SHEET 14 OF 14