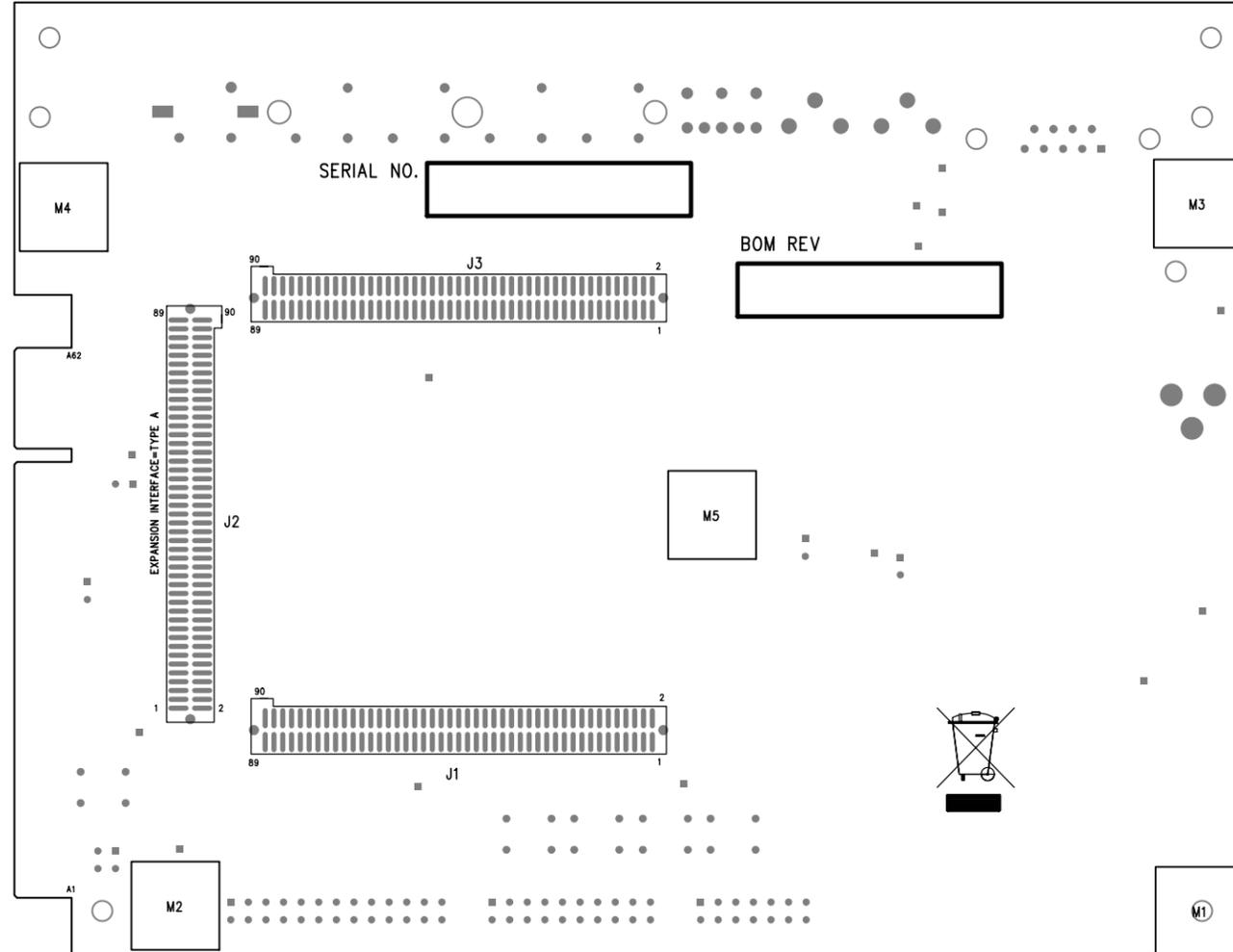


CUT PIN 3 TO KEY CONNECTOR

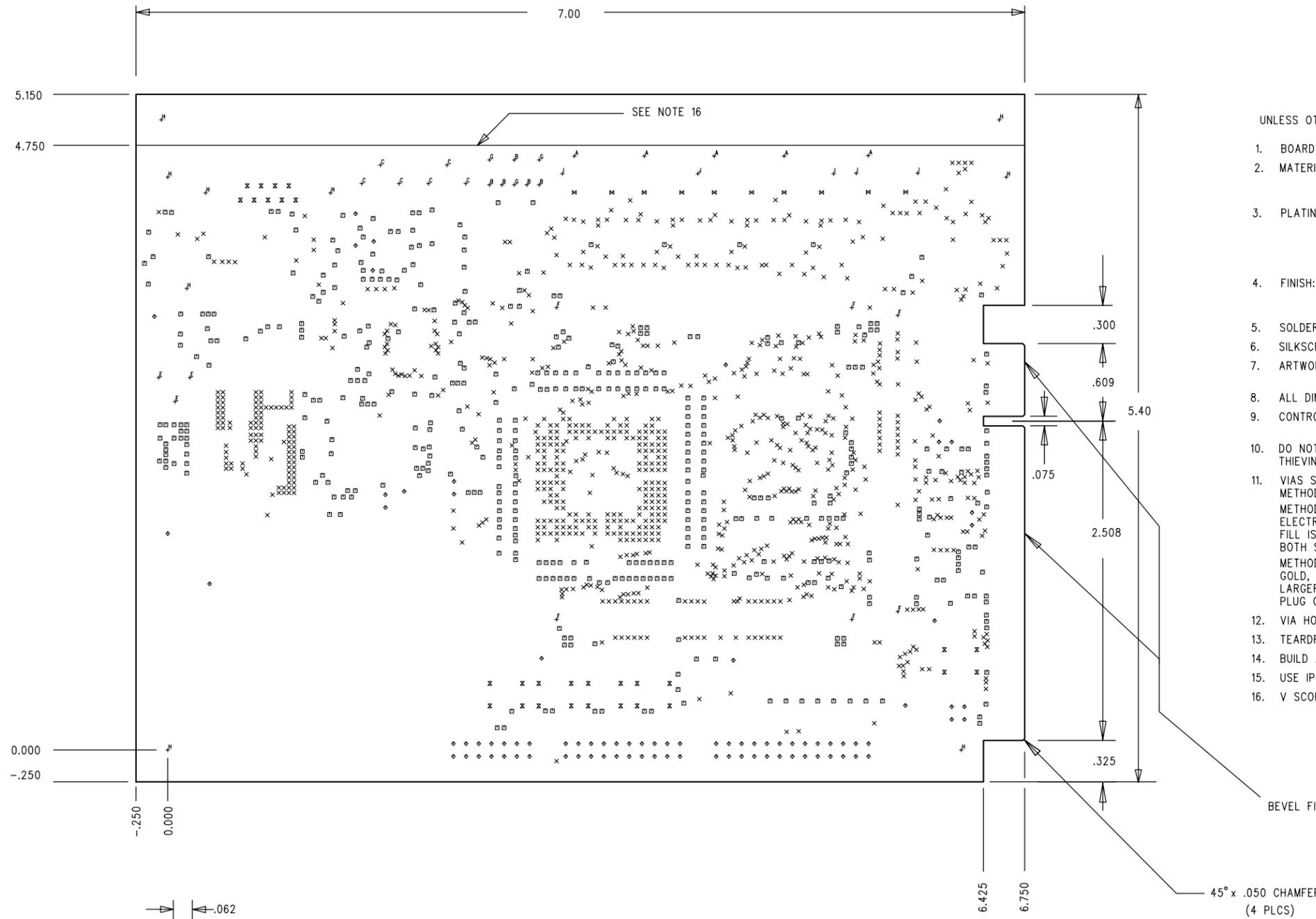
NOTES:

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

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	ASSEMBLY DRAWING TOP SIDE ADSP-21369 EZ-KIT LITE	
	CHECKED			
FINISH	ENGINEERING		SIZE B DWG. NO. ASSMAA0196-2005-REF REV. 2.1	
	QUALITY			
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1	SHEET 1 OF 2



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	ASSEMBLY DRAWING BOTTOM SIDE ADSP-21369 EZ-KIT LITE
	CHECKED		
FINISH	ENGINEERING		SIZE B DWG. NO. ASSMAA0196-2005-REF REV. 2.1
	QUALITY		
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1 SHEET 2 OF 2

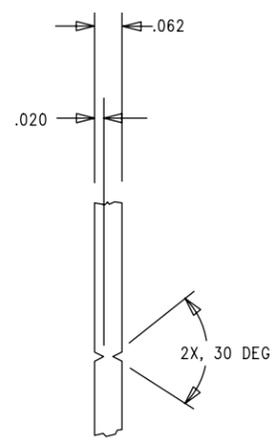


UNLESS OTHERWISE SPECIFIED

- 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 .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.

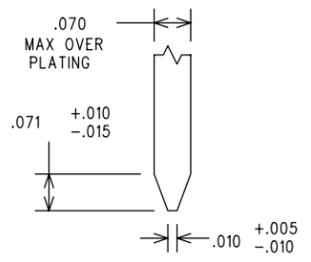
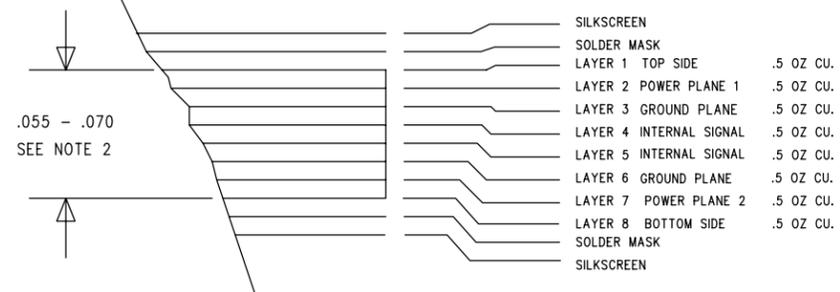
BEVEL FINGER EDGE PER DETAIL

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



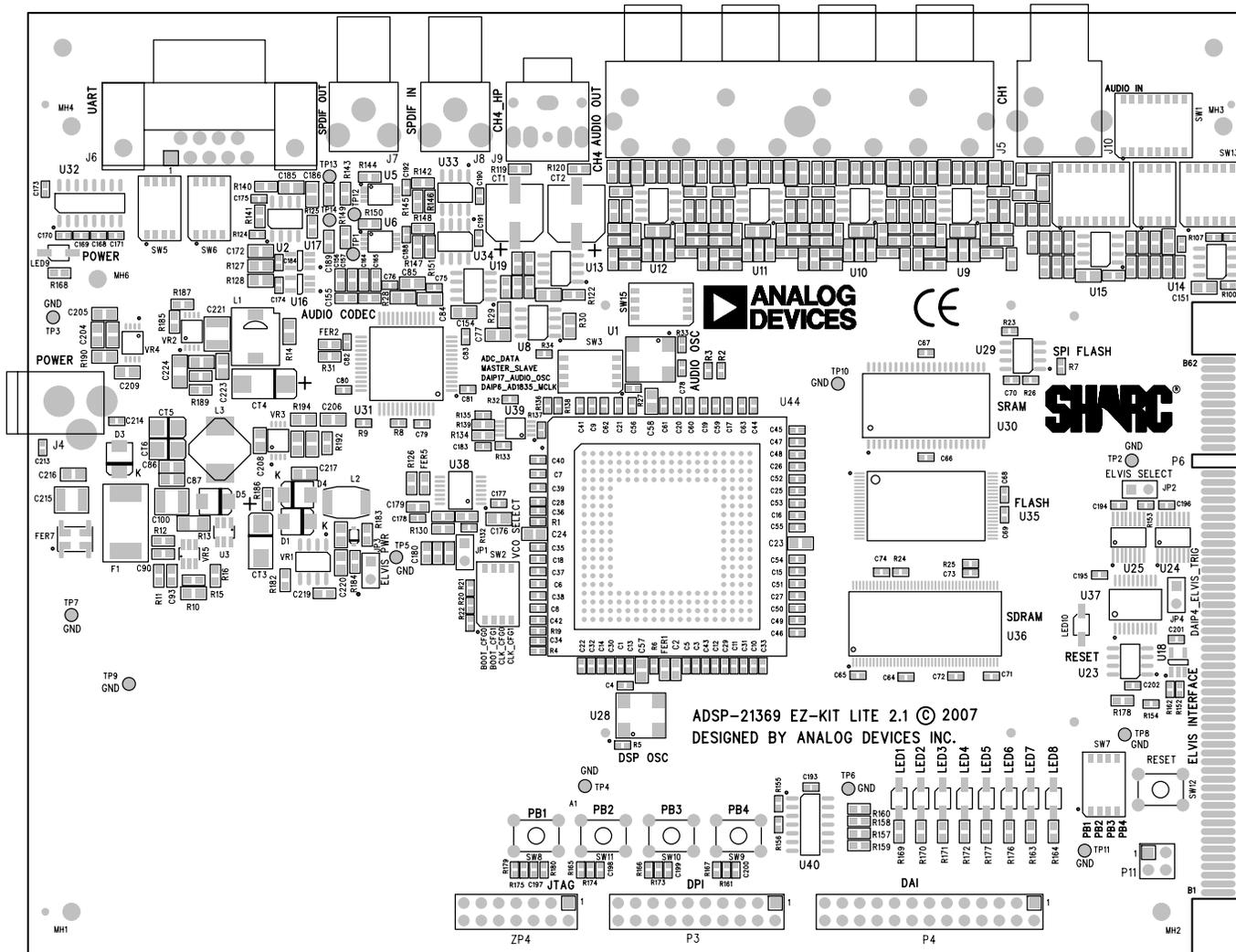
SCORING DETAIL

8 LAYER CONSTRUCTION DETAIL
SCALE : NONE

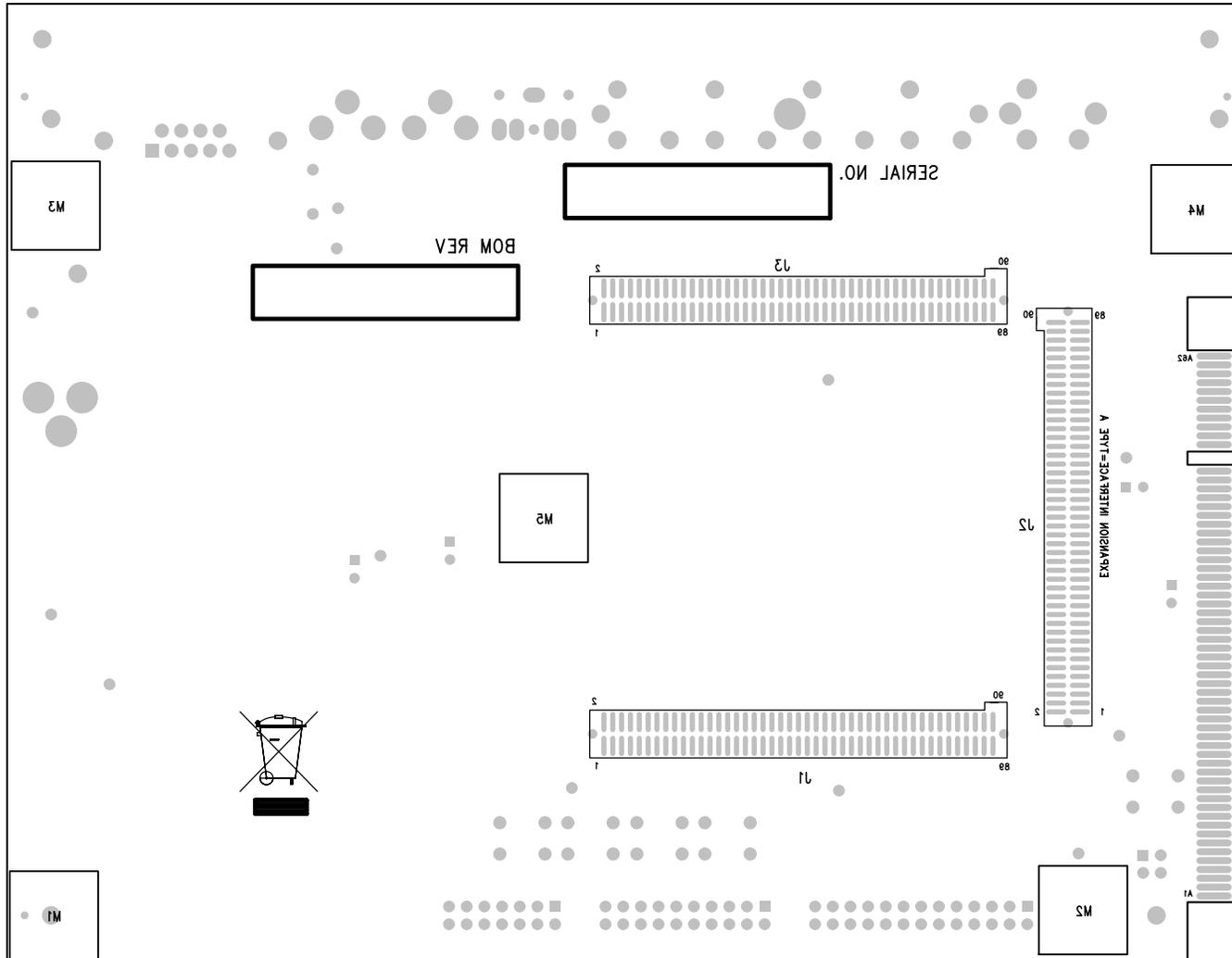


BEVEL DETAIL

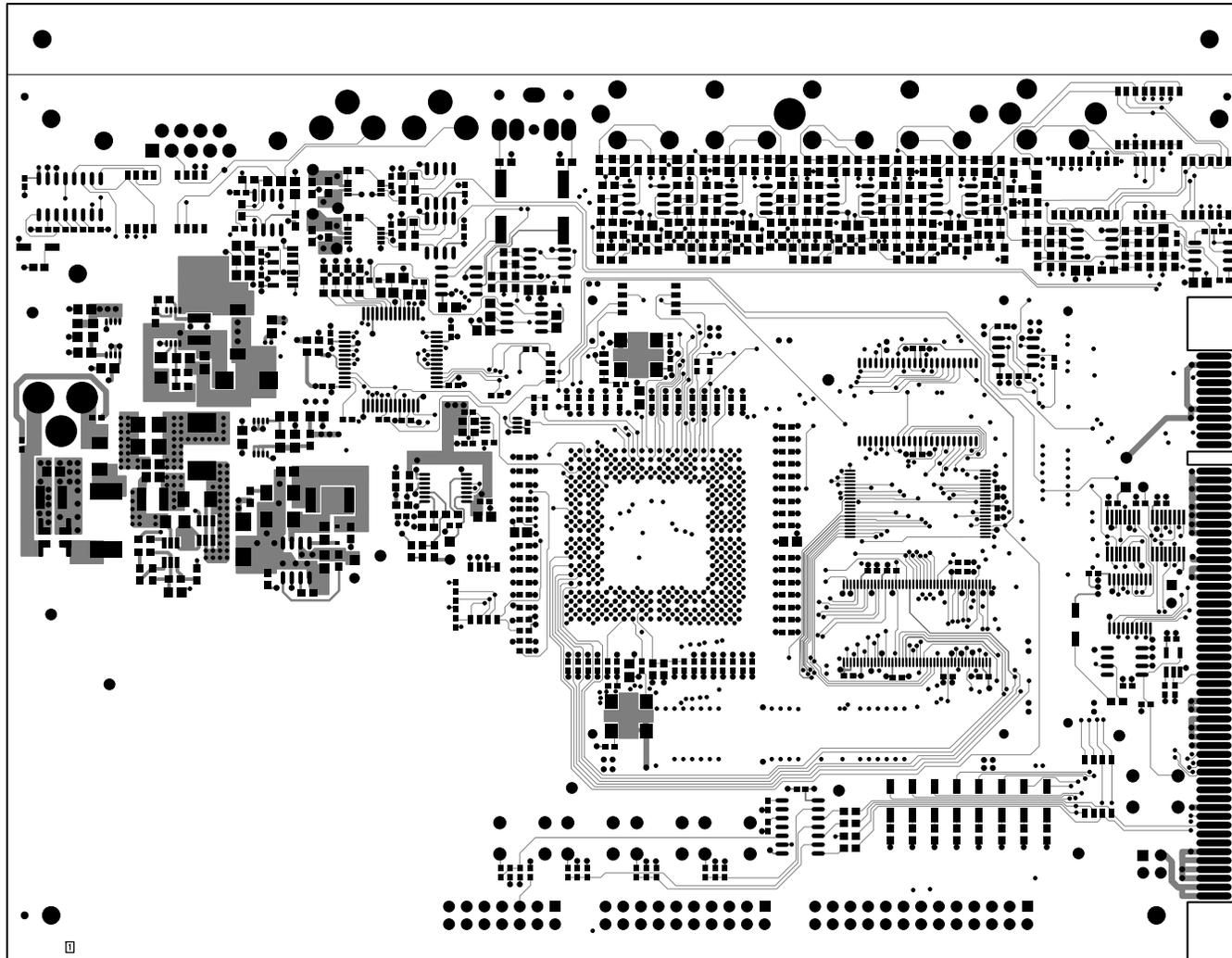
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		20 Cotton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655
	APPROVALS	DATE	
MATERIAL	DRAWN	06/20/07	FABRICATION DRAWING ADSP-21369 EZ-KIT LITE
SEE NOTES	CHECKED		
FINISH	ENGINEERING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



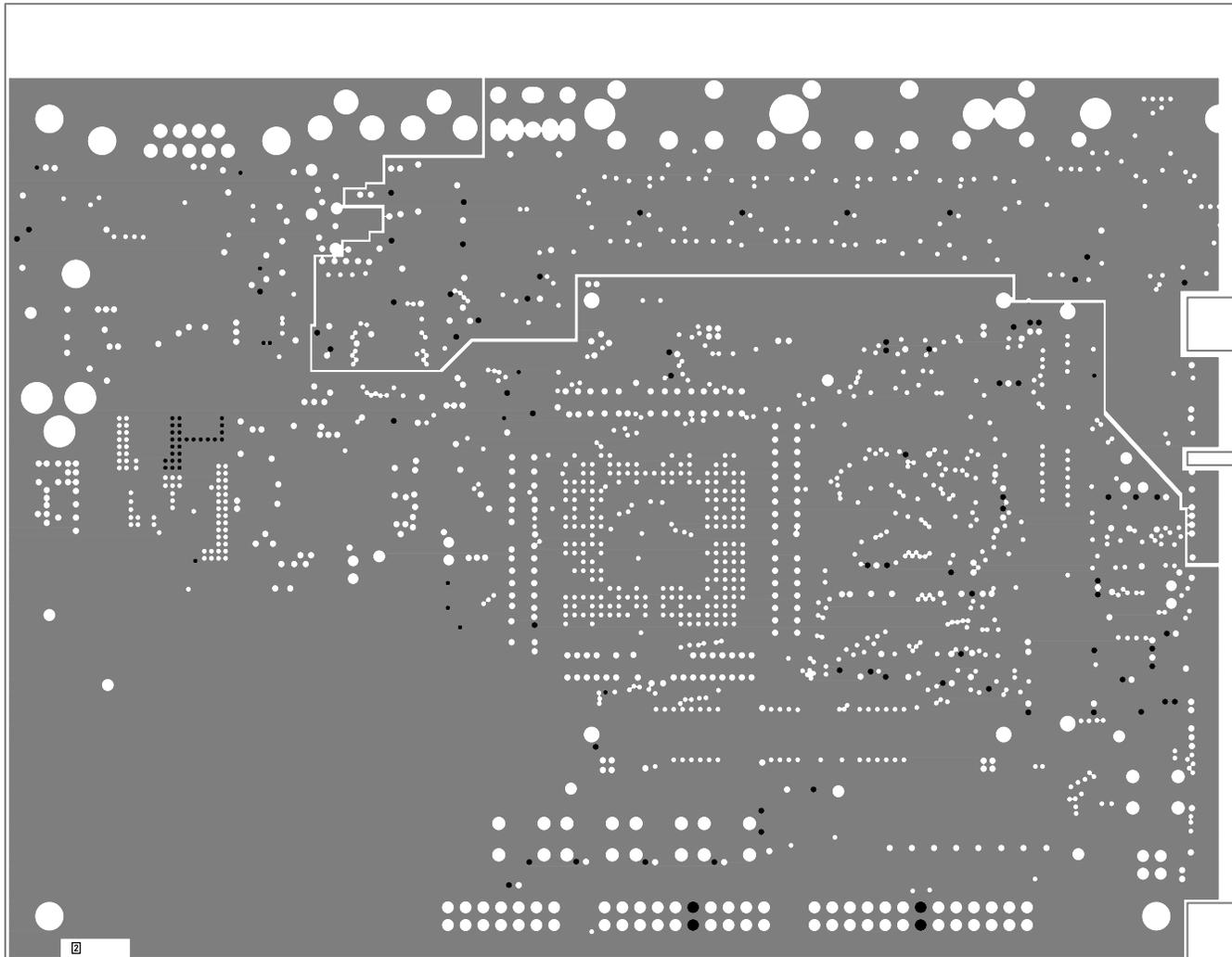
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		 20 Colton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655
	APPROVALS	DATE	
MATERIAL	DRAWN	06/20/07	SILKSCREEN TOP SIDE ADSP-21369 EZ-KIT LITE
FINISH	CHECKED		
DO NOT SCALE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



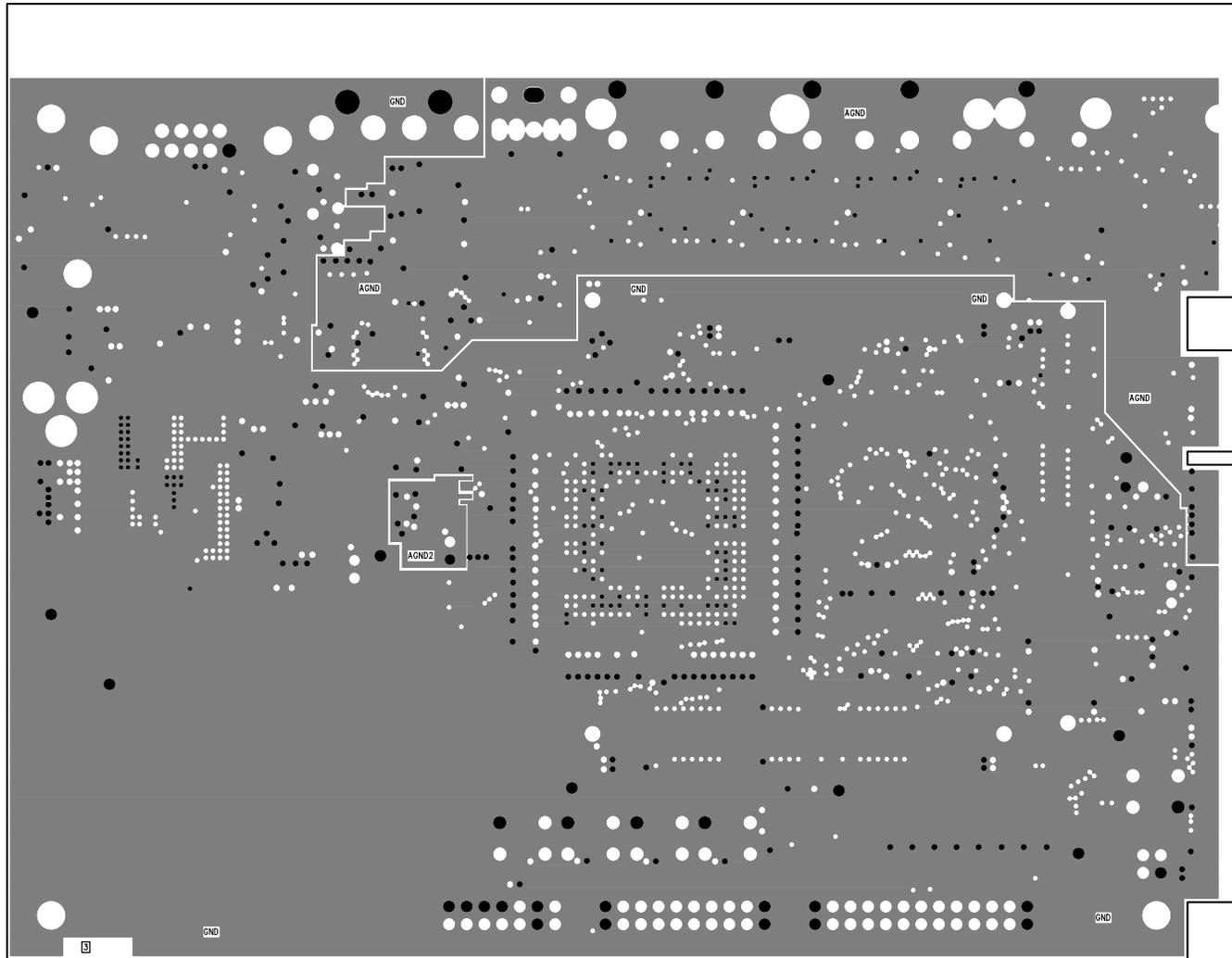
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		 20 Colton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655		
	APPROVALS	DATE			
MATERIAL	DRAWN	06/20/07	SILKSCREEN BOTTOM SIDE ADSP-21369 EZ-KIT LITE		
	CHECKED				
FINISH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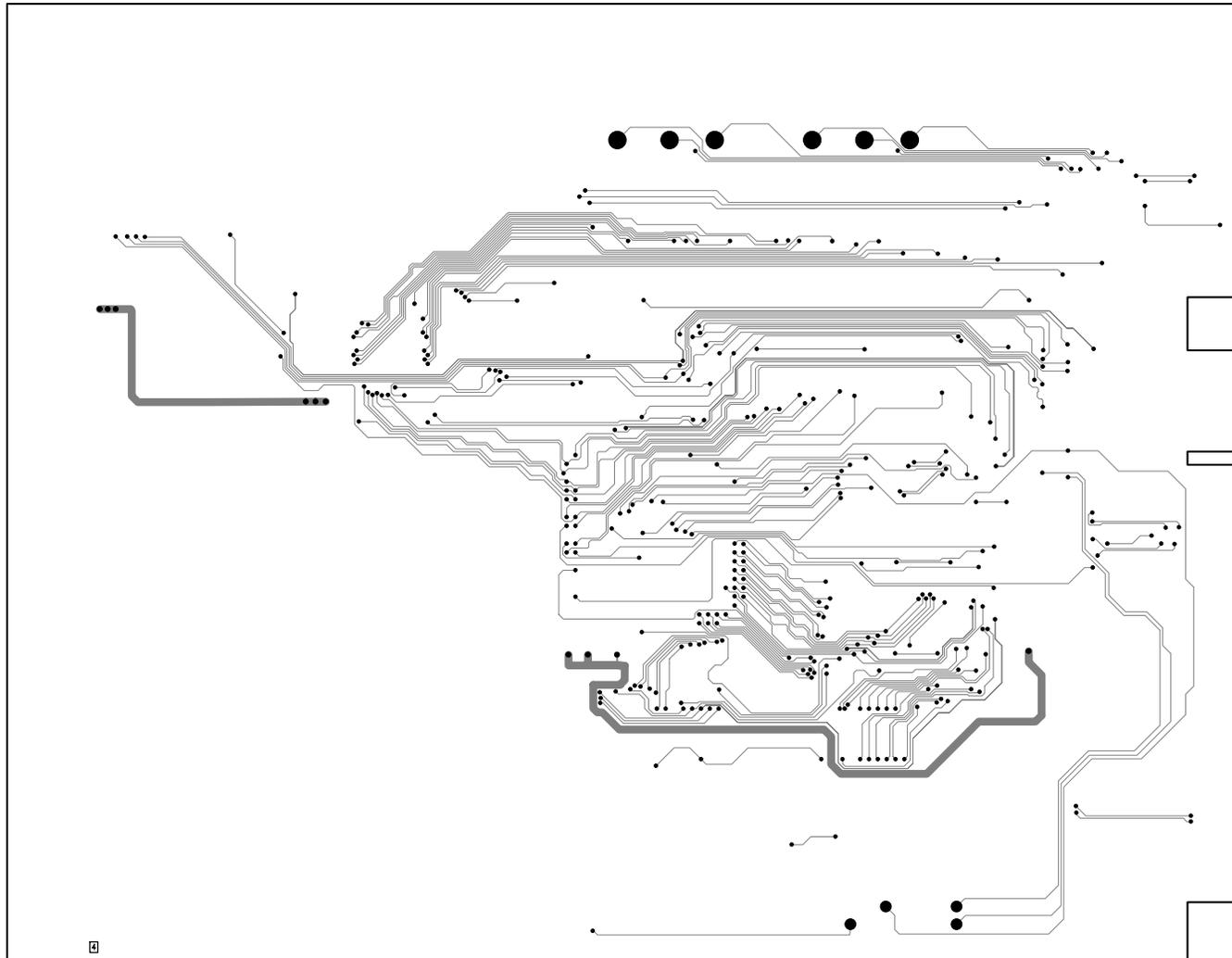
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		 20 Colton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655		
	APPROVALS	DATE			
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FINISH	ENGINEERING		SIZE	DWG. NO. A0196-2005-REF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



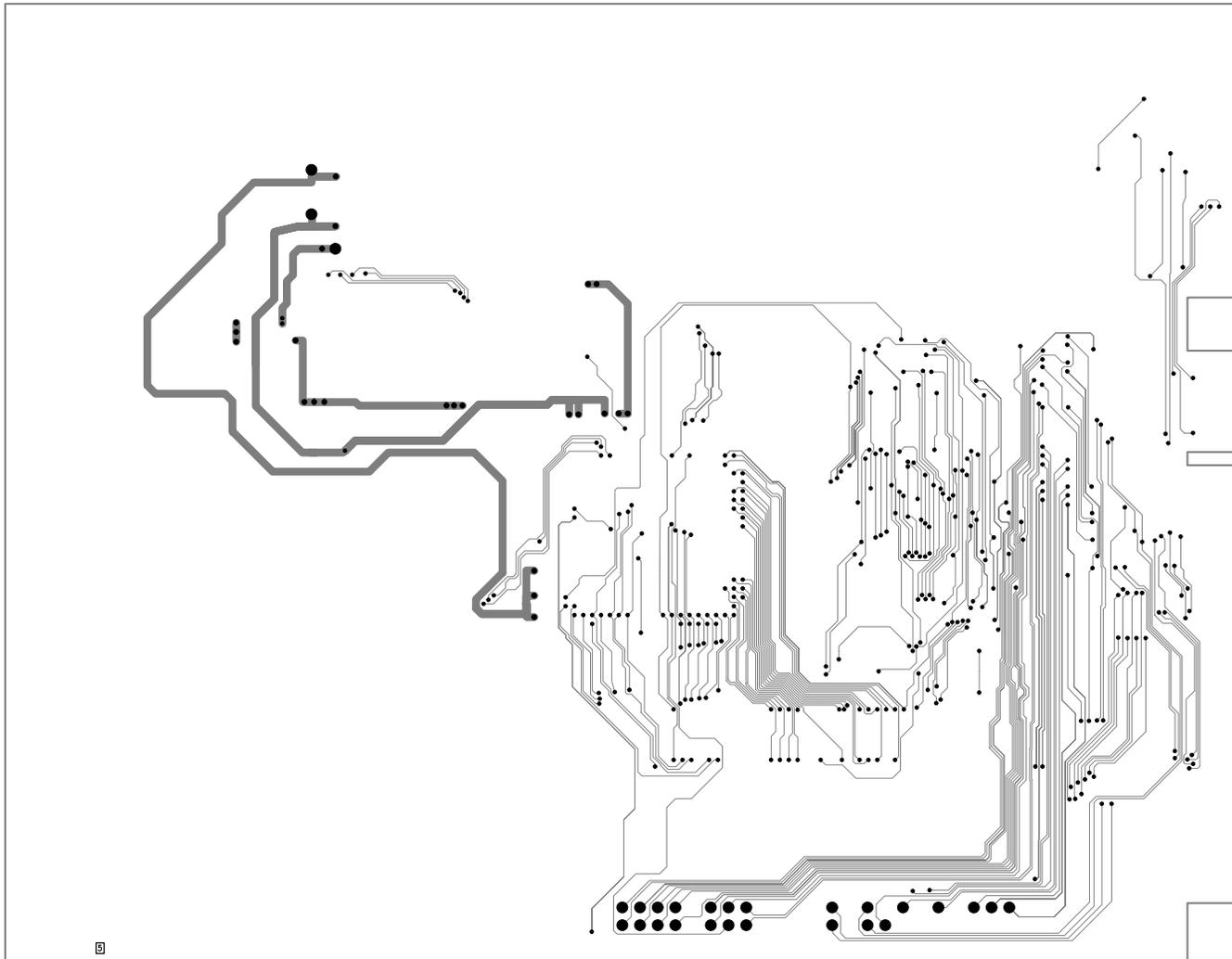
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		 20 Colton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655		
	APPROVALS	DATE			
MATERIAL	DRAWN	06/20/07	LAYER 2 POWER PLANE 1 ADSP-21369 EZ-KIT LITE		
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FINISH	ENGINEERING		SIZE	DWG. NO. A0196-2005-REF	REV. 2.1
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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		 20 Colton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655		
	APPROVALS	DATE			
MATERIAL	DRAWN	06/20/07	LAYER 3 GROUND PLANE ADSP-21369 EZ-KIT LITE		
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FINISH	ENGINEERING		SIZE	DWG. NO. A0196-2005-REF	REV. 2.1
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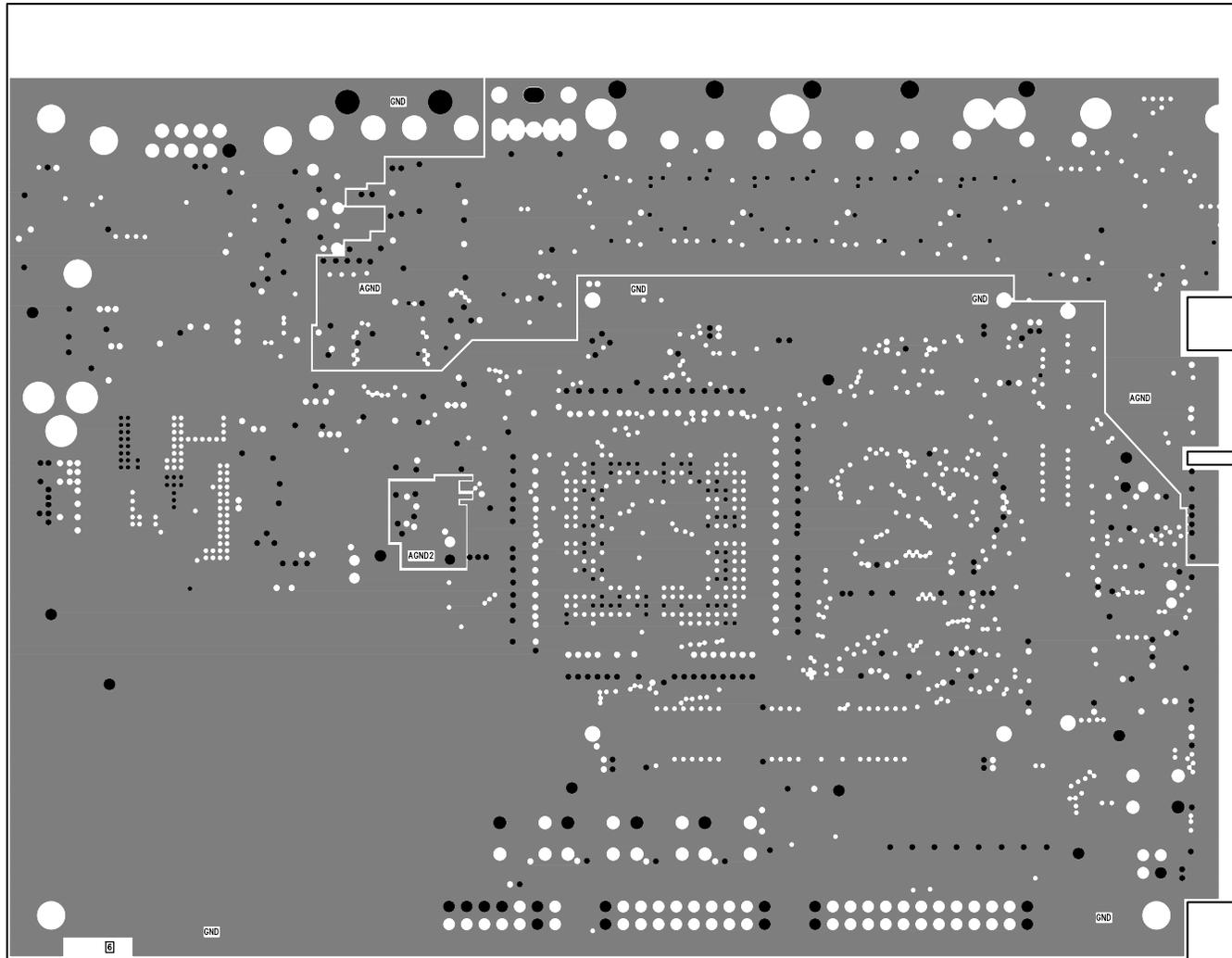


UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		 20 Colton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655		
	APPROVALS	DATE			
MATERIAL	DRAWN	06/20/07	LAYER 4 INTERNAL SIGNAL ADSP-21369 EZ-KIT LITE		
	CHECKED				
FINISH	ENGINEERING		SIZE	DWG. NO. A0196-2005-REF	REV. 2.1
	QUALITY		B		
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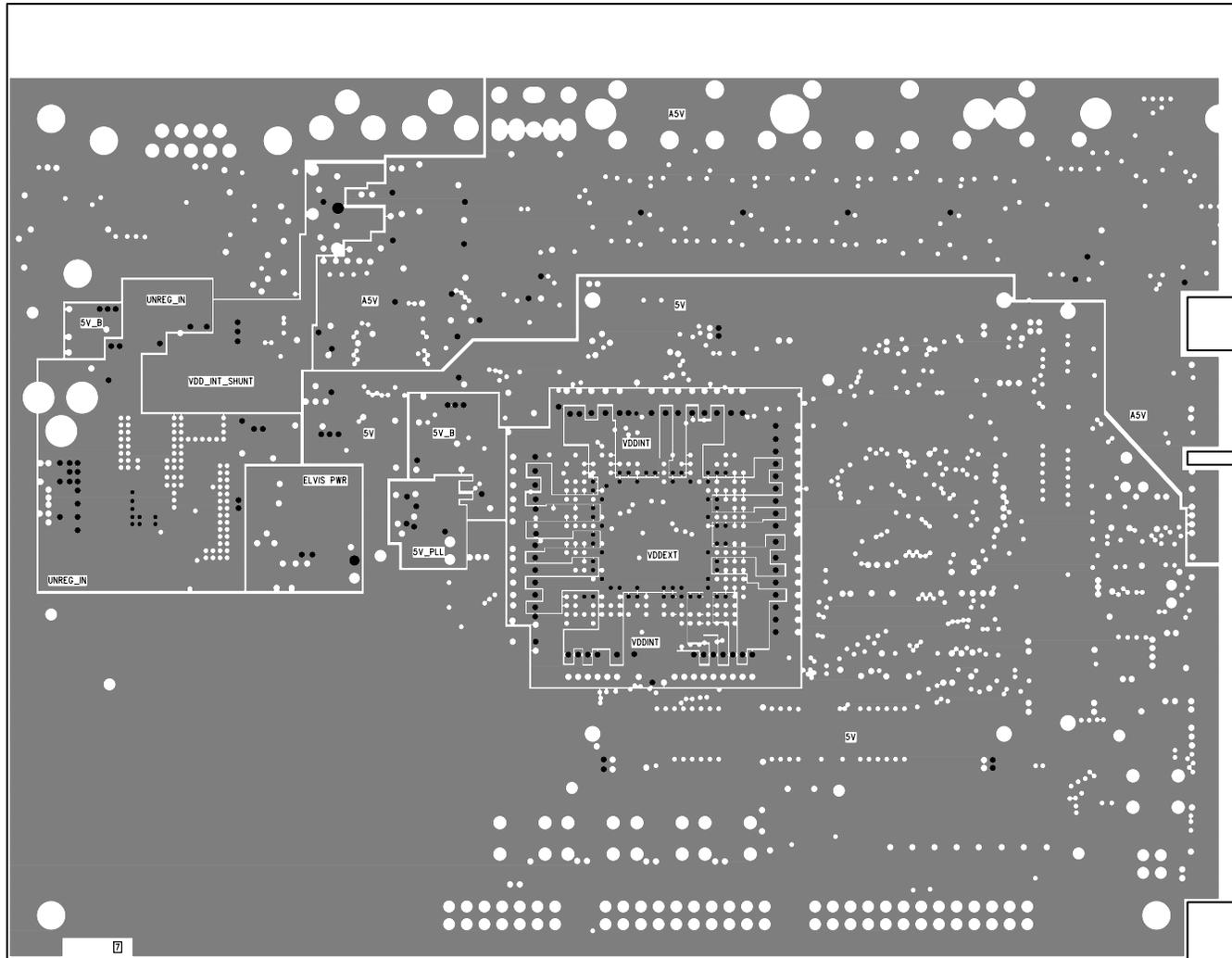


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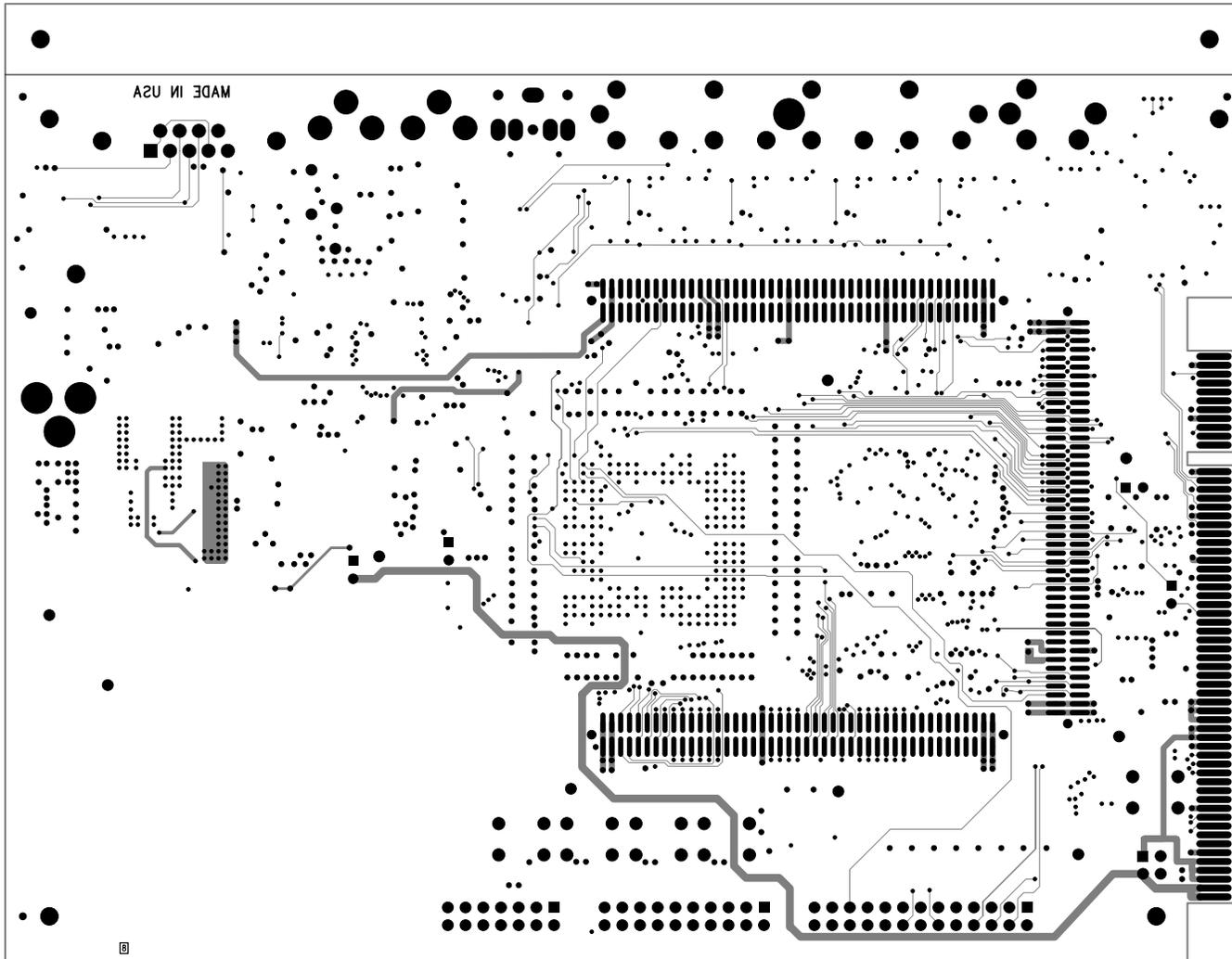
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	APPROVALS	DATE			
MATERIAL	DRAWN	06/20/07	LAYER 5 INTERNAL SIGNAL ADSP-21369 EZ-KIT LITE		
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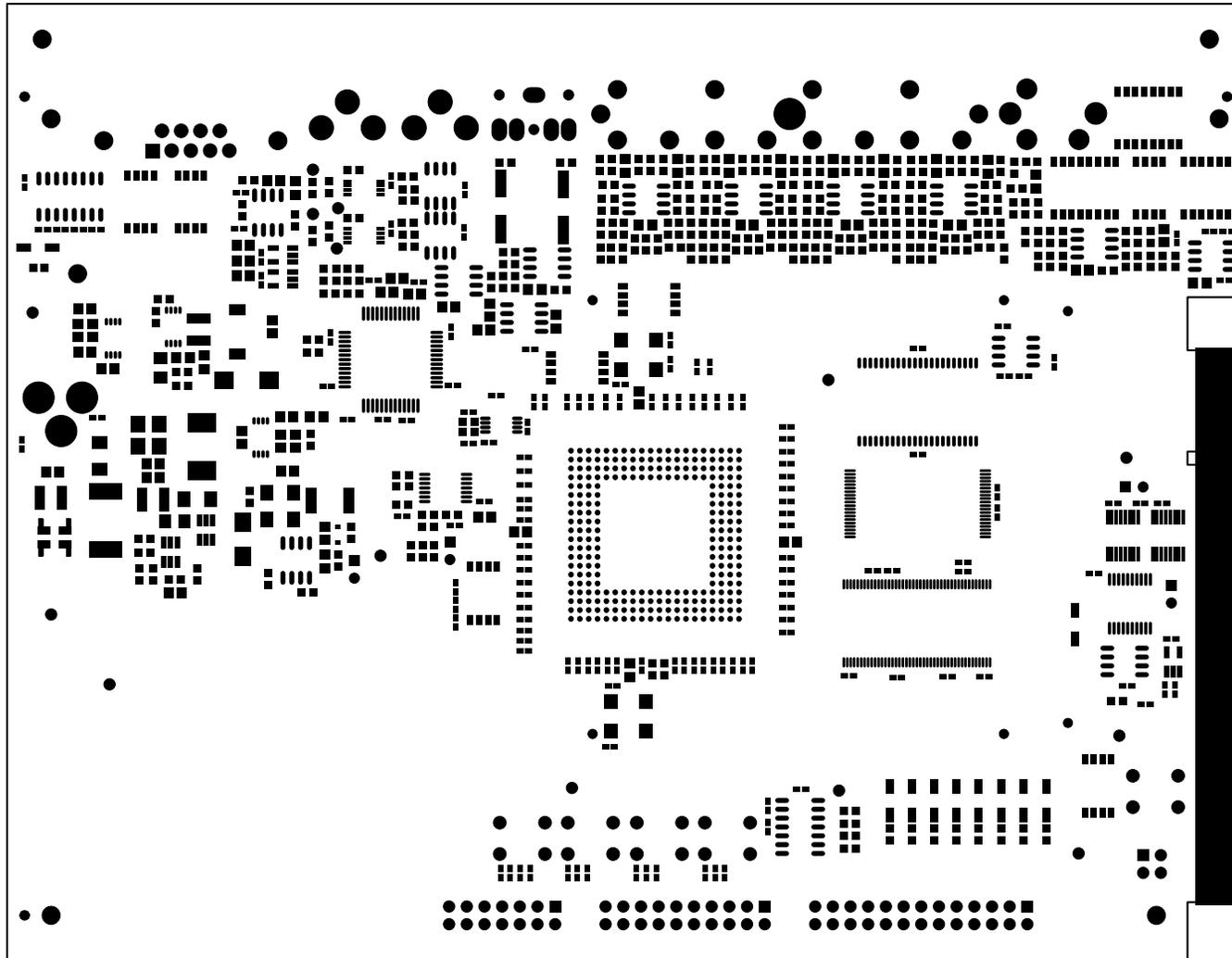
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	APPROVALS	DATE			
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DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1	SHEET 6 OF 14	



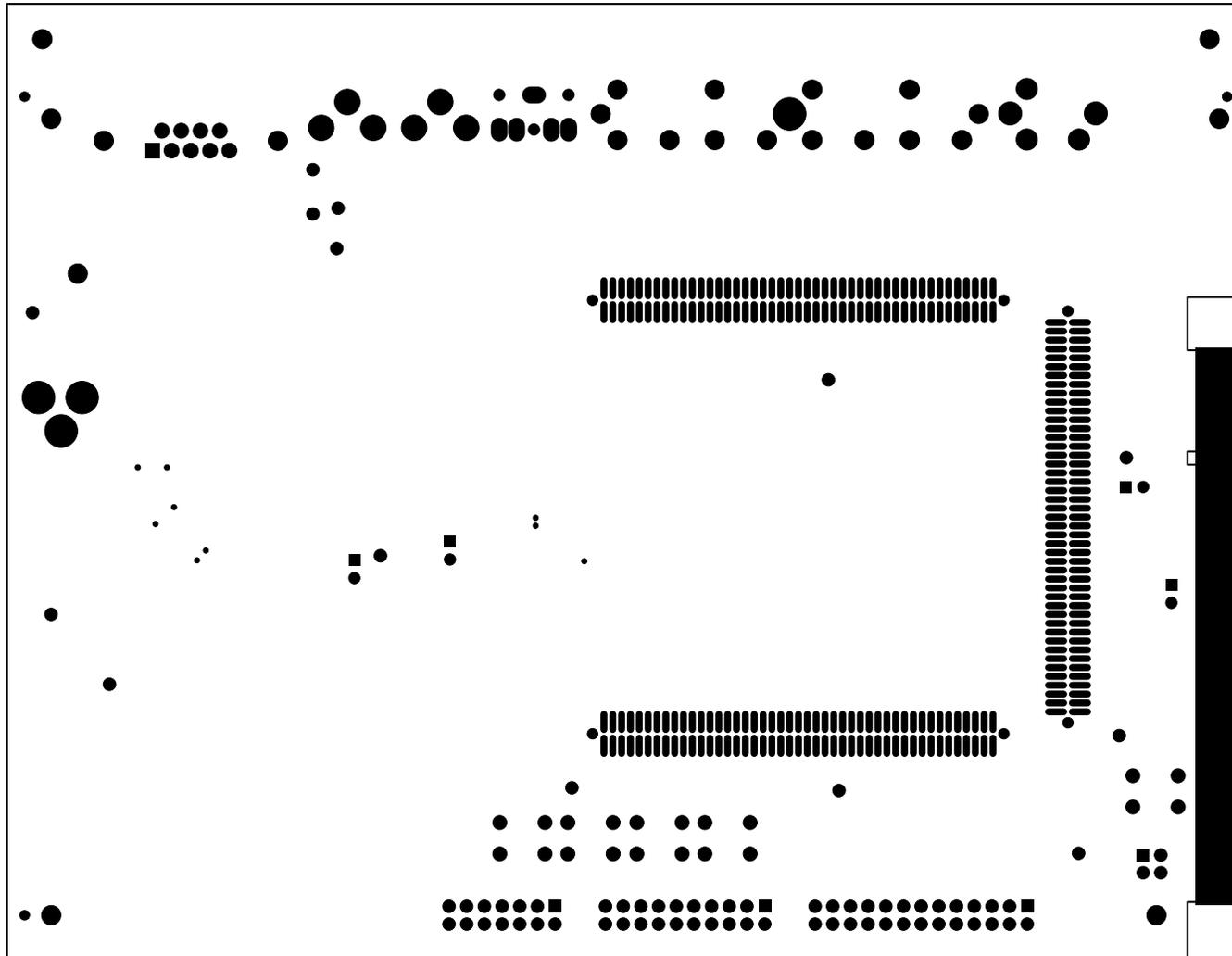
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	APPROVALS	DATE			
MATERIAL	DRAWN	06/20/07	LAYER 7 POWER PLANE 2 ADSP-21369 EZ-KIT LITE		
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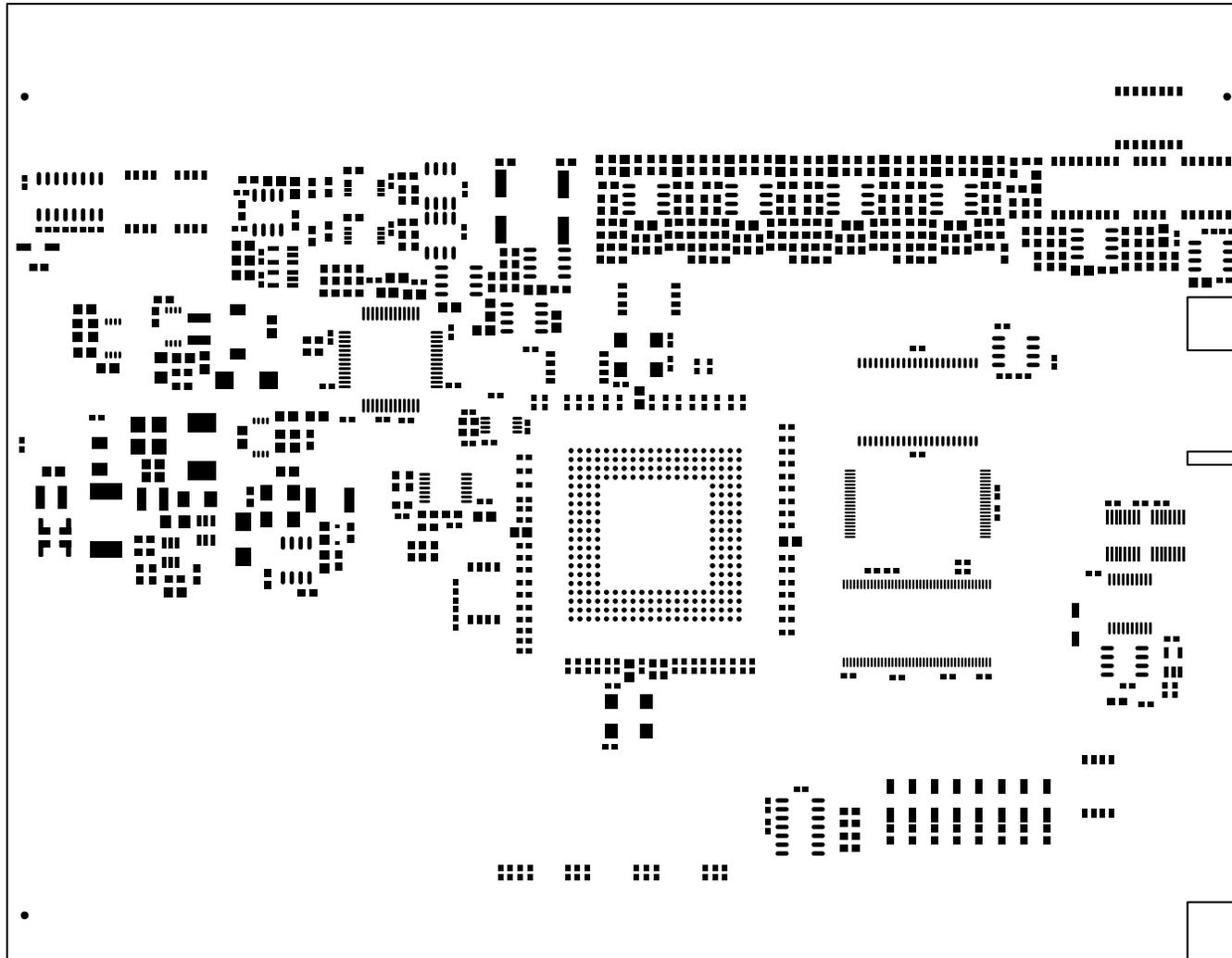
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	APPROVALS	DATE	
MATERIAL	DRAWN	06/20/07	LAYER 8 BOTTOM SIDE ADSP-21369 EZ-KIT LITE
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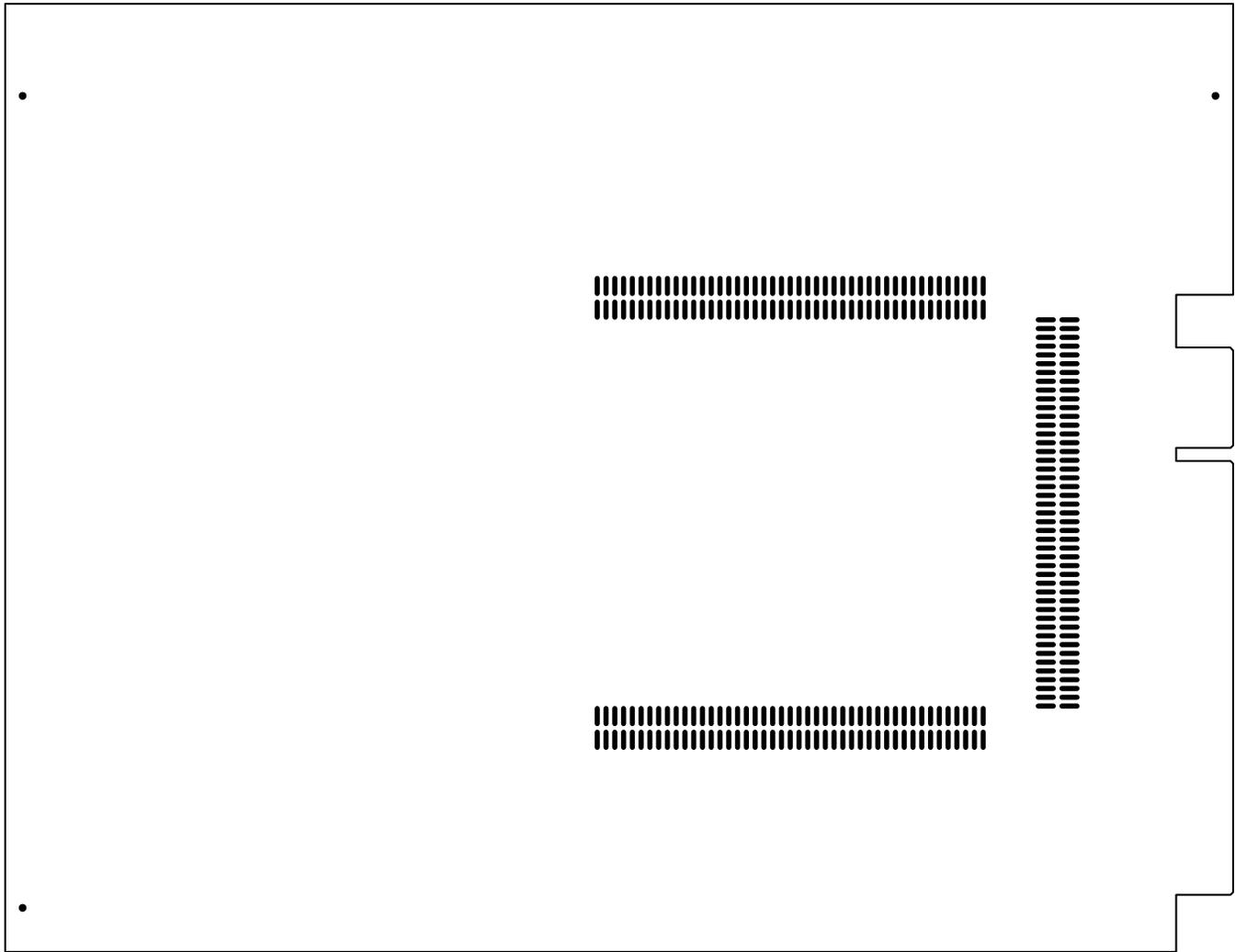
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	APPROVALS	DATE			
MATERIAL	DRAWN	06/20/07	SOLDER MASK TOP SIDE ADSP-21369 EZ-KIT LITE		
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FINISH	ENGINEERING		SIZE	DWG. NO. A0196-2005-REF	REV. 2.1
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DO 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 Colton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655			
	APPROVALS	DATE				
MATERIAL	DRAWN	06/20/07	SOLDER MASK BOTTOM SIDE ADSP-21369 EZ-KIT LITE			
	CHECKED					
FINISH	ENGINEERING		SIZE			
	QUALITY		B			
DO NOT SCALE THIS DRAWING	MANUFACTURING		DWG. NO.	A0196-2005-REF	REV.	2.1
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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		 20 Colton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655
	APPROVALS	DATE	
MATERIAL	DRAWN	06/20/07	SOLDER PASTE TOP SIDE ADSP-21369 EZ-KIT LITE
	CHECKED		
FINISH	ENGINEERING		SIZE
	QUALITY		B
DO NOT SCALE THIS DRAWING	MANUFACTURING		DWG. NO. A0196-2005-REF
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		SCALE 1 : 1	SHEET 13 OF 14



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