
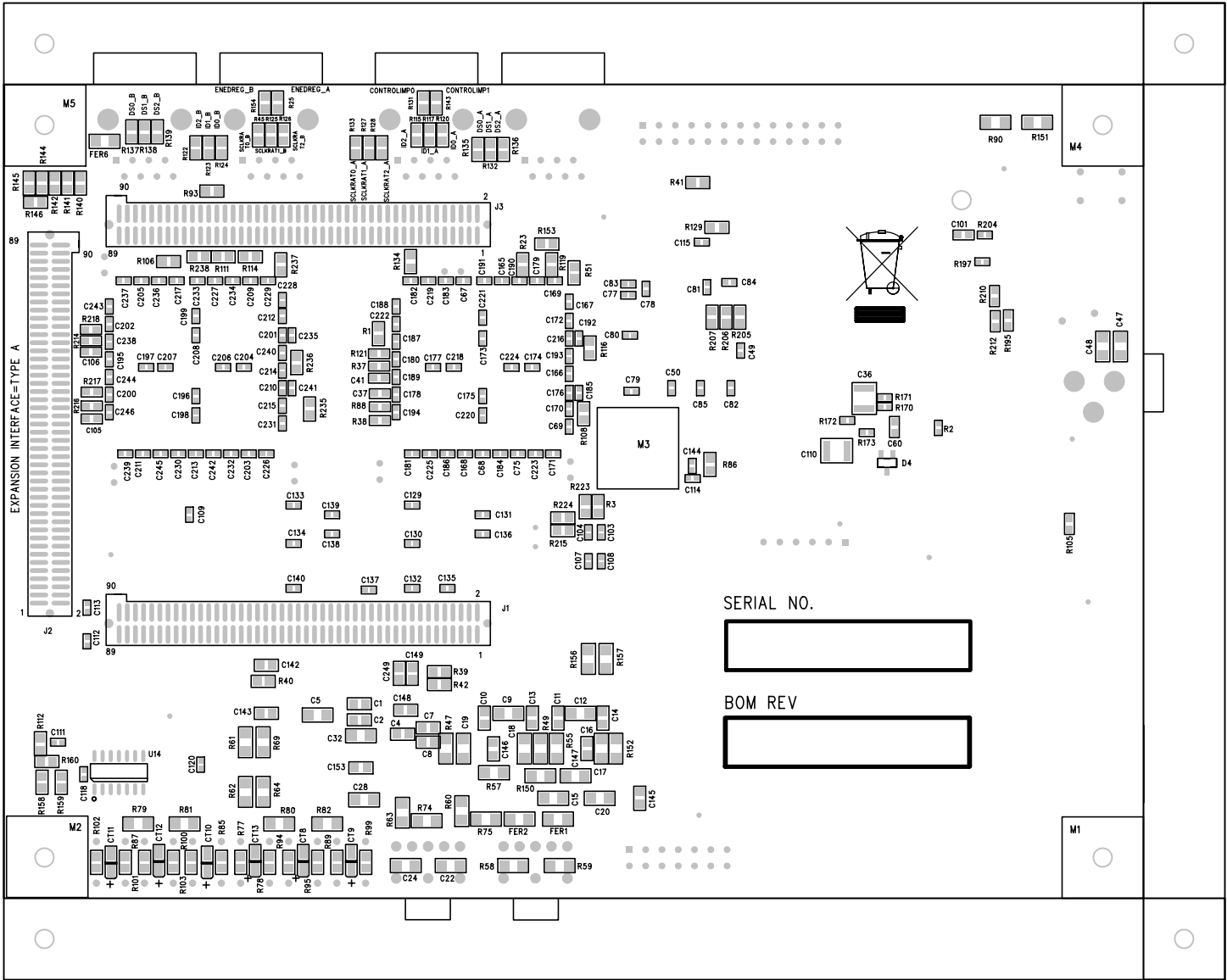


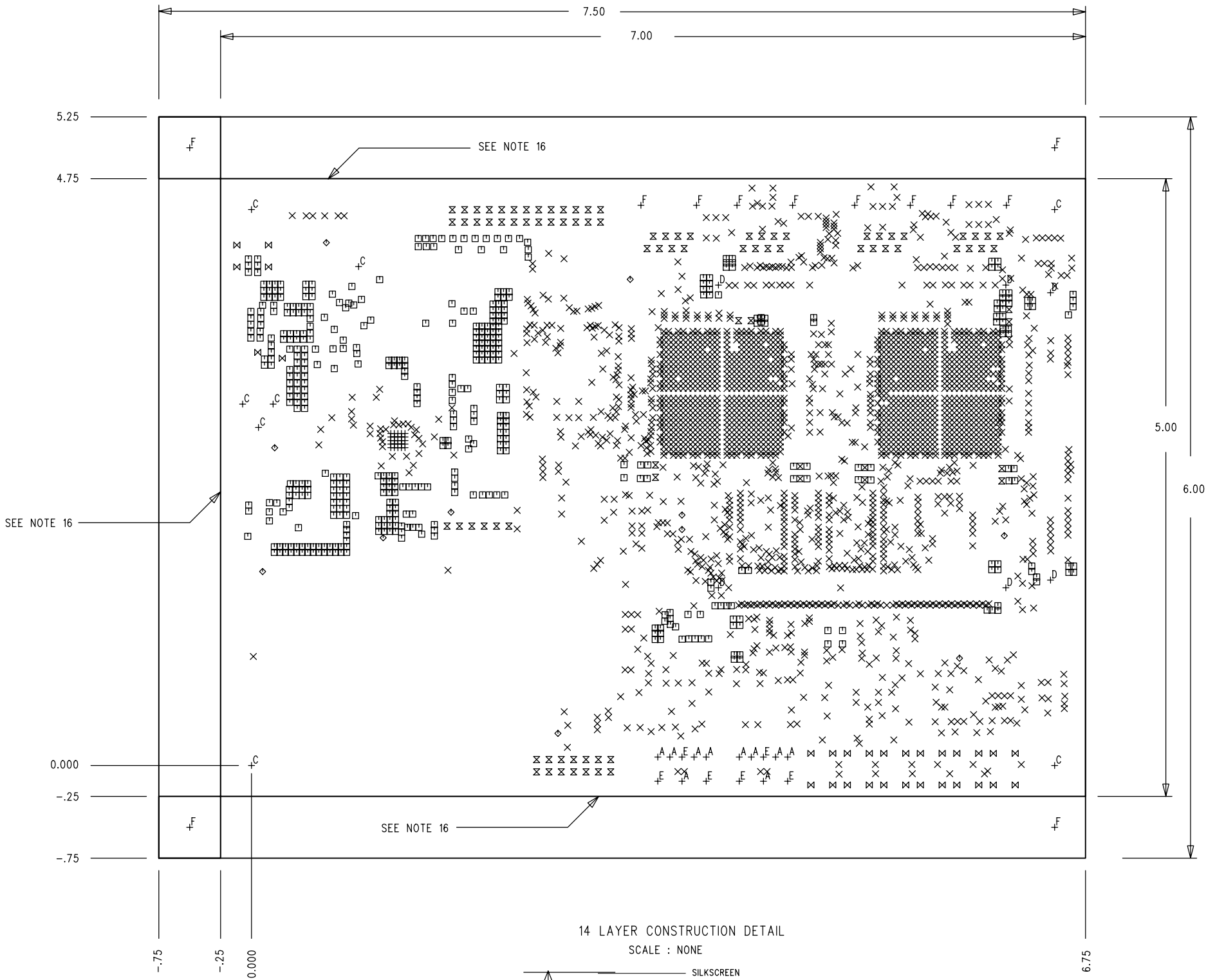
NOTES:

1. POPULATE M1-M5 WITH RUBBER FEET. SEE SHEET 2 FOR LOCATION.
2. BEFORE WAVE SOLDERING MASK HOLES FOR TP1-TP11,P8,P9,P10,P11,P12,P13.
3. PLACE SERIAL NUMBER ON BOTTOM SIDE SEE SHEET 2 FOR LOCATION.
4. PLACE BOM REV ON BOTTOM SIDE SEE SHEET 2 FOR LOCATION.
5. BREAK OFF STRIPS 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	06/28/07	ASSEMBLY DRAWING TOP SIDE ADSP-TS201S EZ-KIT LITE
FINISH	CHECKED		
DO NOT SCALE THIS DRAWING	ENGINEERING		SIZE B DWG. NO. ASSMAA0178-2002-REF REV. 2.1
	QUALITY		
	MANUFACTURING		SCALE 1 : 1 SHEET 1 OF 2

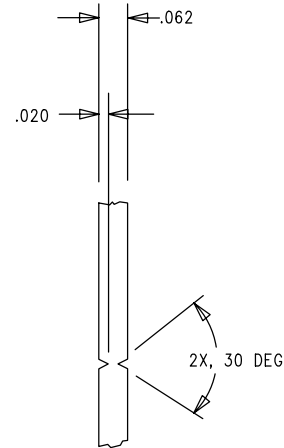


UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		<div><div></div><div>ANALOG DEVICES</div></div> <div>20 Cotton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655</div>	
	APPROVALS	DATE		
MATERIAL	DRAWN	06/28/07	ASSEMBLY DRAWING BOTTOM SIDE ADSP-TS201S EZ-KIT LITE	
FINISH	CHECKED			
DO NOT SCALE THIS DRAWING	ENGINEERING		SIZE B	REV. 2.1
	QUALITY		DWG. NO.	
	MANUFACTURING		ASSMAA0178-2002-REF	
	SCALE 1 : 1		SHEET 2 OF 2	




UNLESS OTHERWISE SPECIFIED

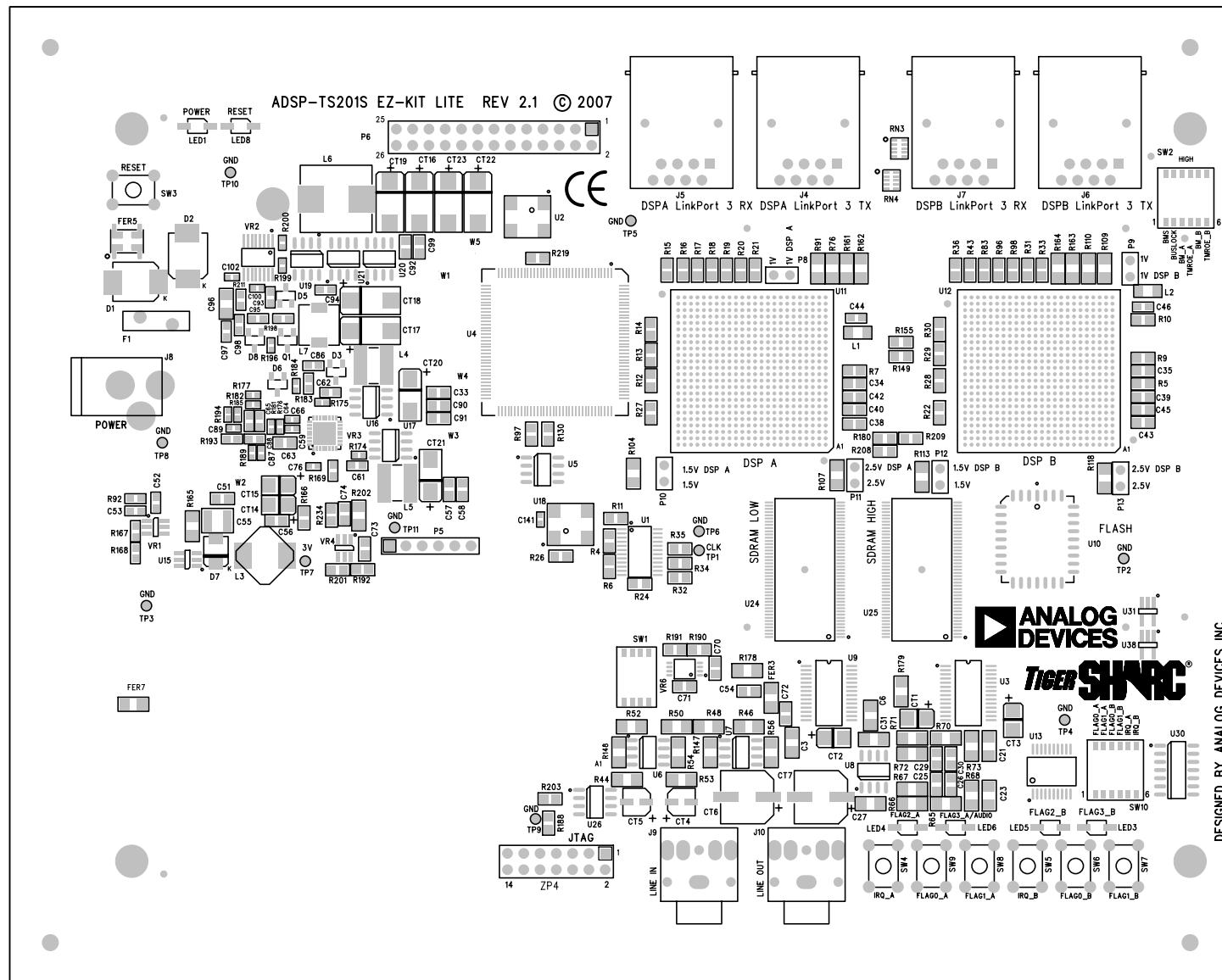
- BOARD TO BE FABRICATED PER IPC-6012A, CLASS 2.
- MATERIAL: POLYCLAD FR-370HR OR EQUIVALENT. OUTER LAYERS 1/2 OZ/SQFT CU
INNER LAYERS 1/2 OZ/SQFT CU FINISHED .062 (.056 MIN .076 MAX SEE DETAIL).
VENDOR MAY ADJUST THICKNESS TO FULFILL NOTE 9.
- PLATING: ADDITIONAL CU PLATING 1 OZ/SQFT
ALL HOLES PLATED 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.
- 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 = 0.00349
MINIMUM AIR GAP = 0.00450
- ALL DIMENSIONS ARE IN INCHES.
- CONTROLLED IMPEDANCE: BOARD TO BE BUILT TO YIELD CONTROLLED IMPEDANCE
OF 55 OHMS +/- 10% ON ALL .00350" & .00492" SINGLE-ENDED TRACE WIDTHS
OF 100 OHMS +/- 10% ON ALL .00349" DIFFERENTIAL PAIR TRACE 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, & .014) REQUIRE TANGENCY ONLY, INSTEAD OF ANNULAR RING.
- TEARDROP PADS ARE ACCEPTABLE WHERE NEEDED.
- USE IPC-D-356A NETLIST AS SUPPLIED FOR CHECKING.
7 SHORTS ARE PRESENT, SEE READ ME FILE.
- V SCORE 3 LINES ON BOTH SIDES OF THE BOARD. SEE DETAIL.
- BUILD AS 1-UP PCB.




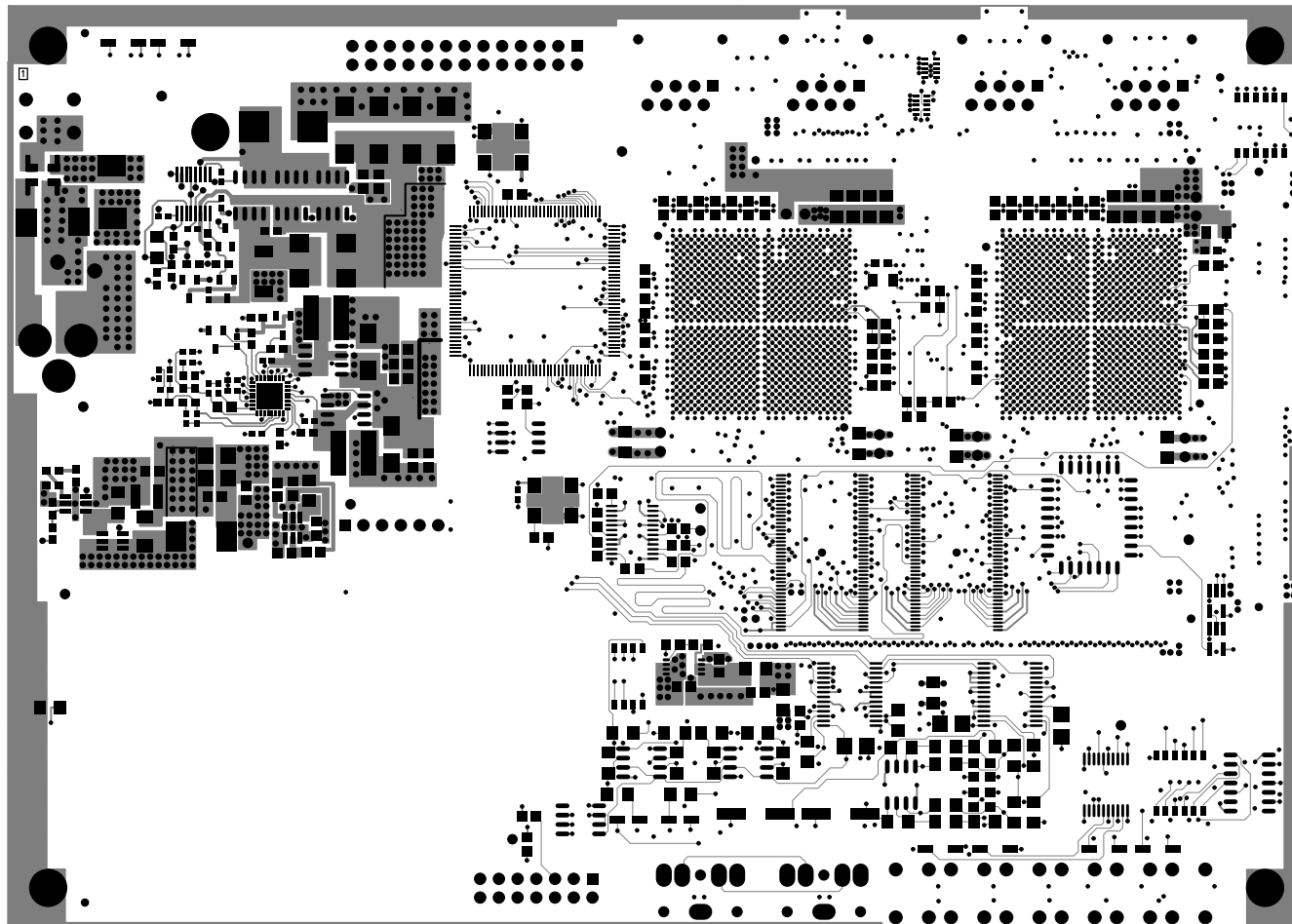
SIZE	QTY	SYM	PLATED	TOL
6	25	+	YES	+0.003-0.006
10	2413	×	YES	+0.003-0.010
14	505	□	YES	+0.003-0.014
28	11	◇	YES	+/-0.003
37	90	⊗	YES	+/-0.003
41	30	⊗	YES	+/-0.003
70	10	⊕	YES	+/-0.003
125	8	⊕	YES	+/-0.005
53	6	⊕	NO	+0.003-0.000
67	6	⊕	NO	+/-0.003
128	12	⊕	NO	+/-0.005


SCORING DETAIL

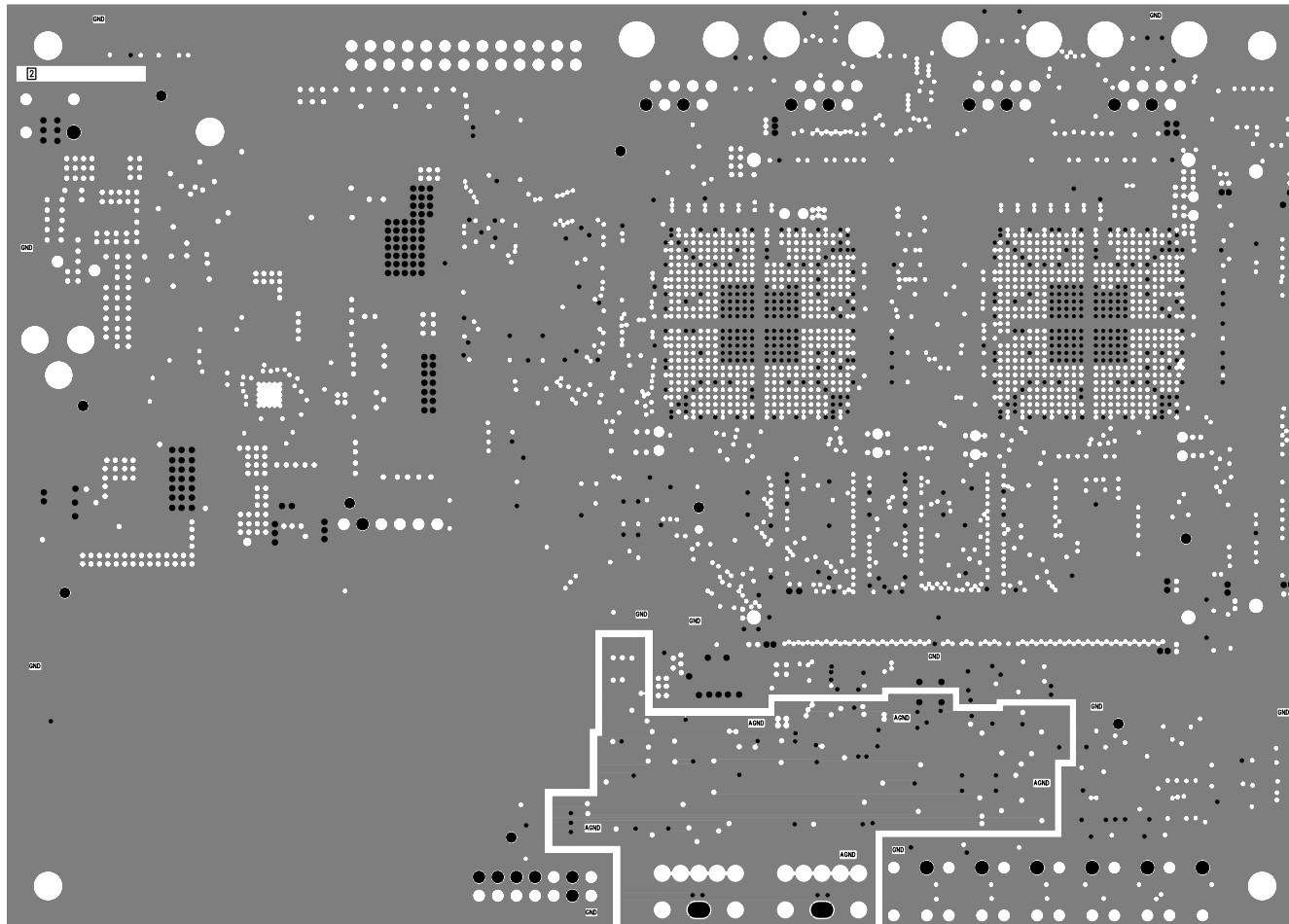
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		 20 Cotton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655
	APPROVALS	DATE	
MATERIAL SEE NOTES	DRAWN	06/28/07	FABRICATION DRAWING ADSP-TS201S EZ-KIT LITE
	CHECKED		
FINISH SEE NOTES	ENGINEERING		SIZE B DWG. NO. A0178-2002-REF REV. 2.1
	QUALITY		
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1 SHEET 1 OF 1




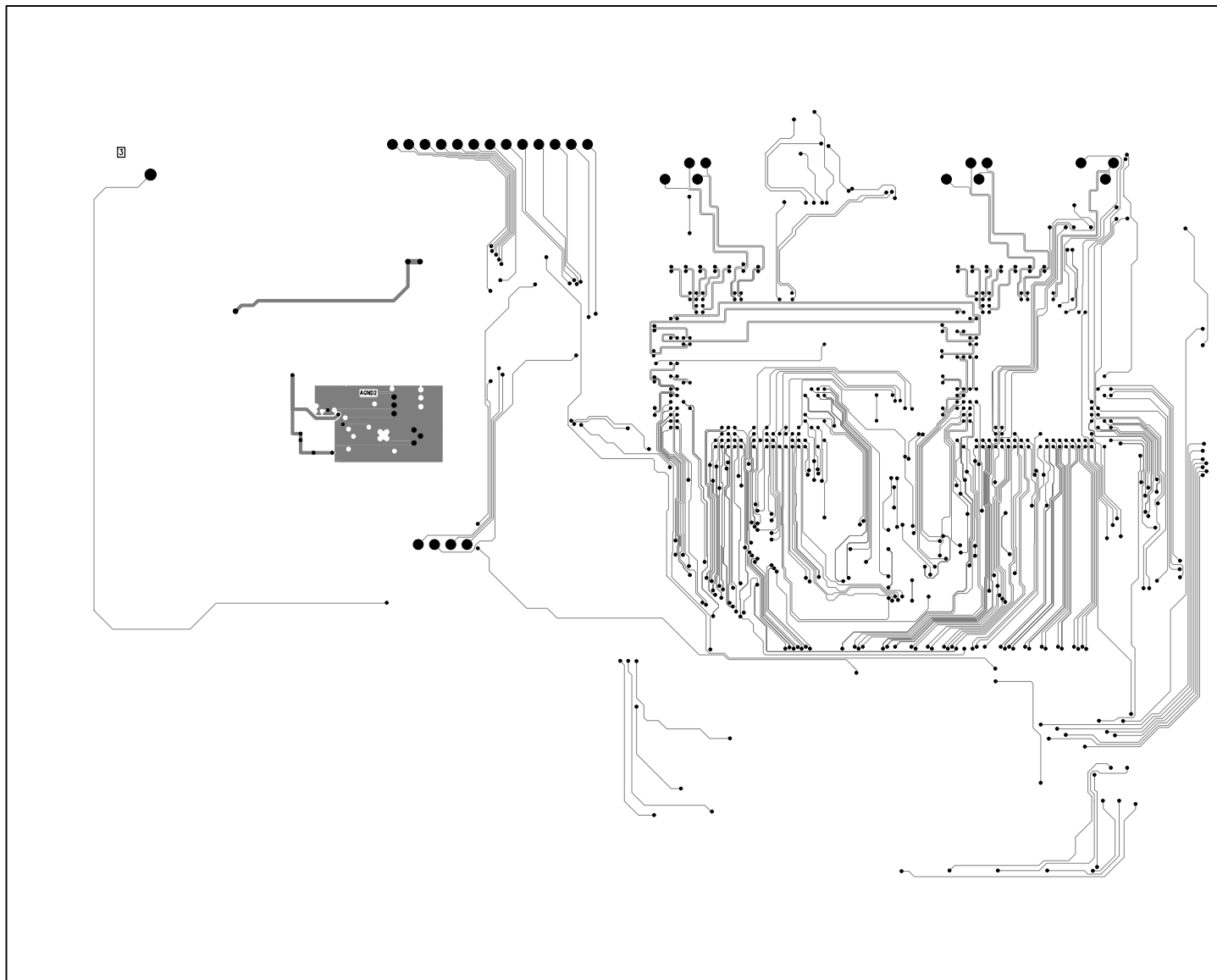
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		 20 Cotton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655
	APPROVALS	DATE	
MATERIAL	DRAWN	06/28/07	SILKSCREEN TOP SIDE ADSP-TS201S EZ-KIT LITE
	CHECKED		
FINISH	ENGINEERING		SIZE B DWG. NO. A0178-2002-REF REV. 2.1
	QUALITY		
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1 SHEET 17 OF 20



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		
	DRAWN	06/28/07	LAYER 1 TOP SIDE ADSP-TS201S EZ-KIT LITE	
	CHECKED			
	ENGINEERING		SIZE	REV.
FINISH	QUALITY		B	2.1
DO NOT SCALE THIS DRAWING	MANUFACTURING		DWG. NO. A0178-2002-REF SCALE 1 : 1	SHEET 1 OF 20



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	06/28/07	LAYER 2 GROUND PLANE ADSP-TS201S EZ-KIT LITE	
	CHECKED			
FINISH	ENGINEERING		SIZE	REV.
	QUALITY		B	2.1
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1	SHEET 2 OF 20
			DWG. NO.	A0178-2002-REF



UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE :
.XX +/- .010 .XXX +/- .005

CONTRACT NO.

APPROVALS

DATE

MATERIAL

DRAWN

06/28/07

CHECKED

FINISH

ENGINEERING

QUALITY

DO NOT SCALE THIS DRAWING

MANUFACTURING



20 Cotton Road
Nashua, New Hampshire 03063
(603) 883-2430 FAX (603) 882-2655

LAYER 3 INTERNAL SIGNAL
ADSP-TS201S EZ-KIT LITE

SIZE
B

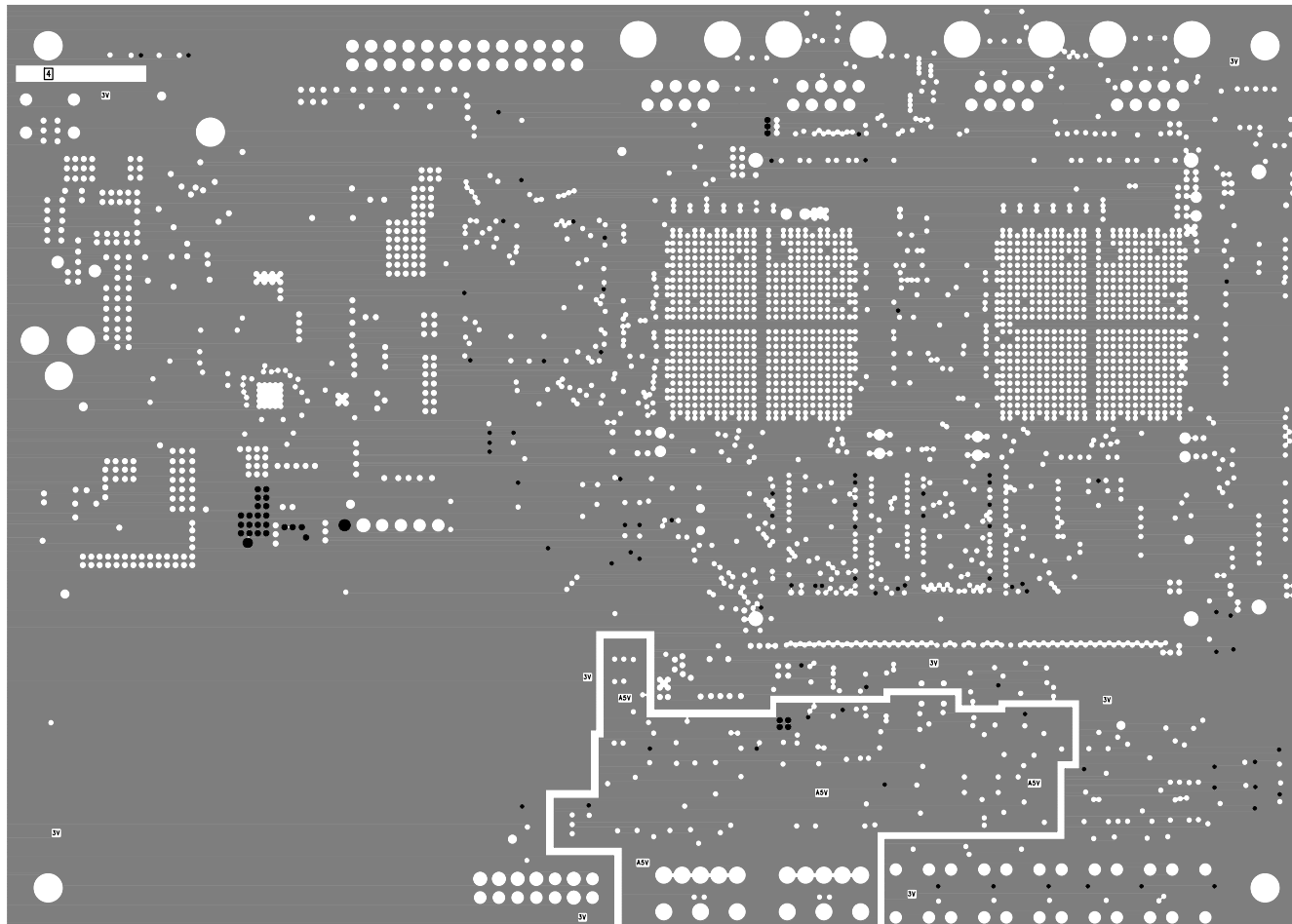
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A0178-2002-REF

REV.
2.1

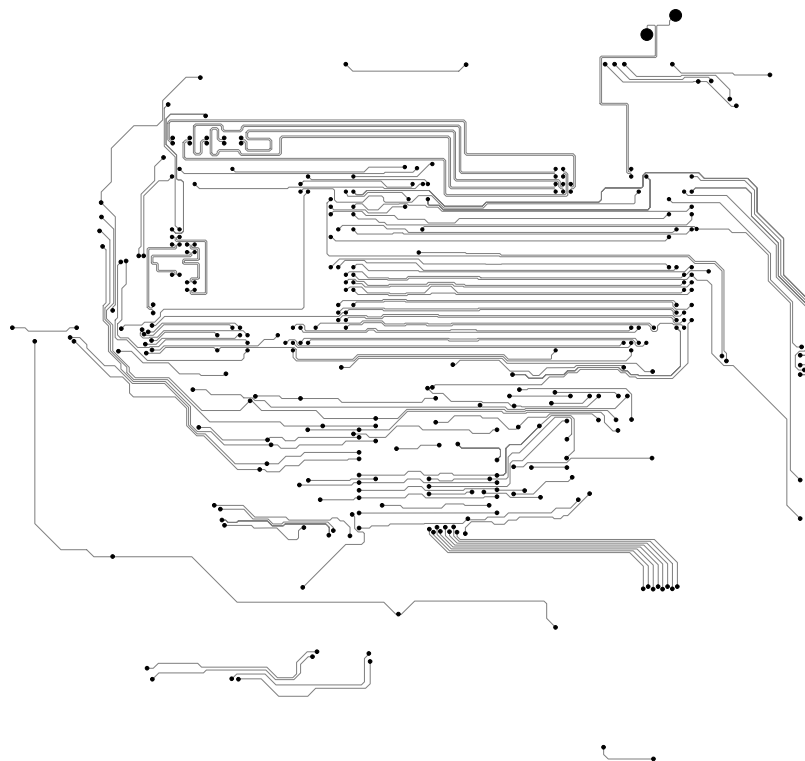
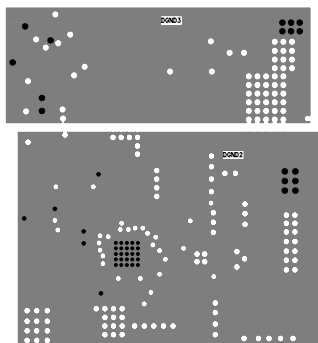
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SHEET 3 OF 20

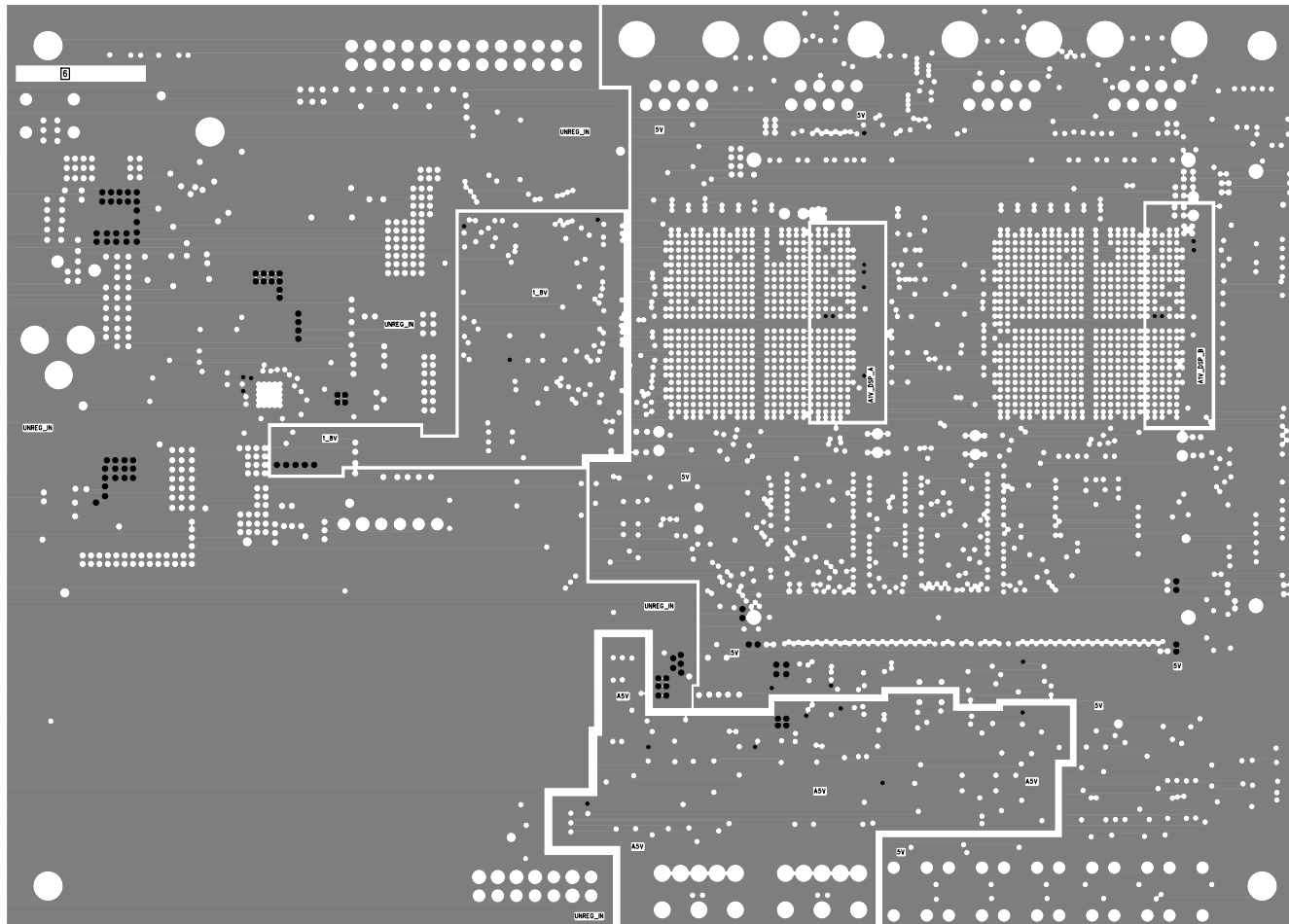



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		 20 Cotton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655	
	APPROVALS	DATE		
MATERIAL	DRAWN	06/28/07	LAYER 4 3V PLANE ADSP-TS201S EZ-KIT LITE	
	CHECKED			
FINISH	ENGINEERING		SIZE	REV.
	QUALITY		B	2.1
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			DWG. NO.	A0178-2002-REF

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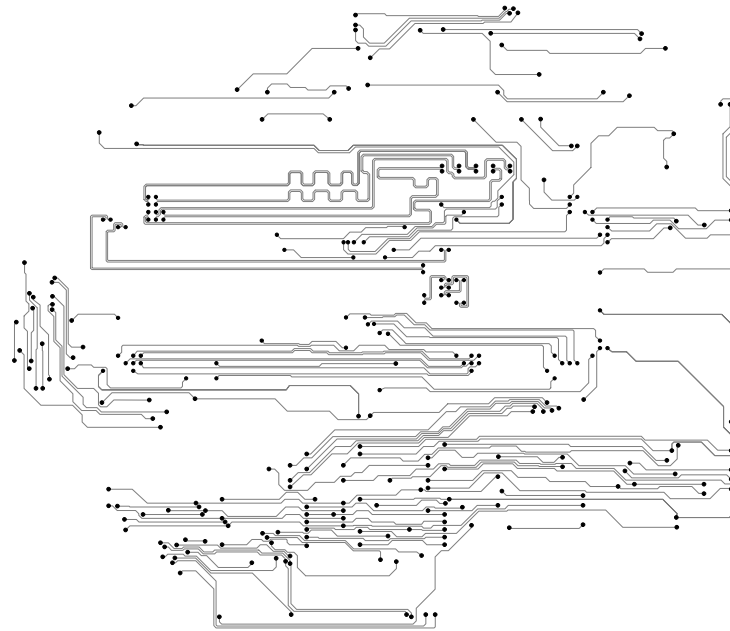



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		 20 Cotton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655	
	APPROVALS	DATE		
MATERIAL	DRAWN	06/28/07	LAYER 5 INTERNAL SIGNAL ADSP-TS201S EZ-KIT LITE	
	CHECKED			
FINISH	ENGINEERING		SIZE	REV.
	QUALITY		B	2.1
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1	SHEET 5 OF 20
			DWG. NO.	A0178-2002-REF

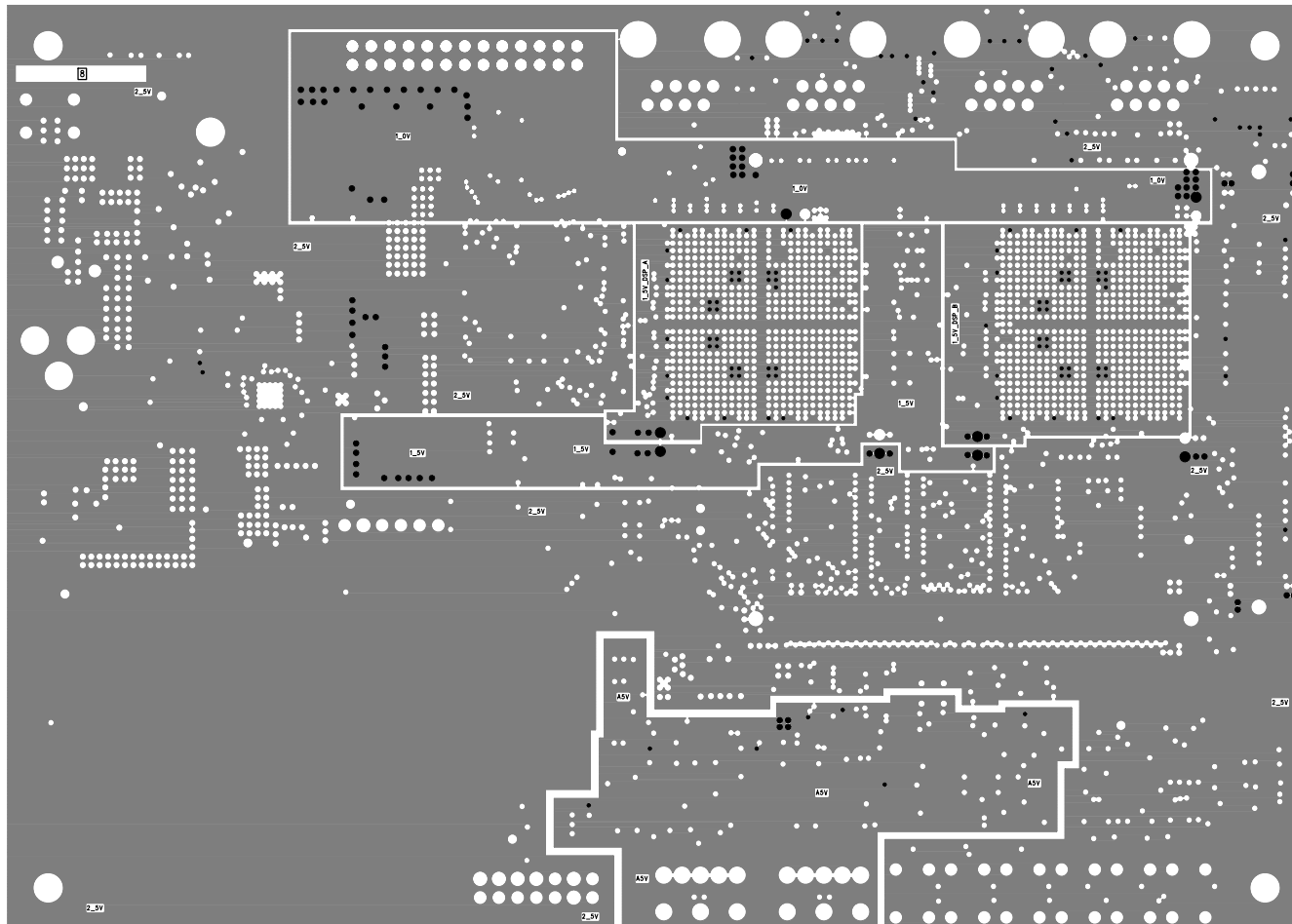



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		 ANALOG DEVICES 20 Cotton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655	
	APPROVALS	DATE		
	MATERIAL	DRAWN	LAYER 6 5V PLANE ADSP-TS201S EZ-KIT LITE	
		CHECKED		
FINISH	ENGINEERING	SIZE B	DWG. NO. A0178-2002-REF	REV. 2.1
	QUALITY			
DO NOT SCALE THIS DRAWING	MANUFACTURING	SCALE 1 : 1	SHEET 6 OF 20	

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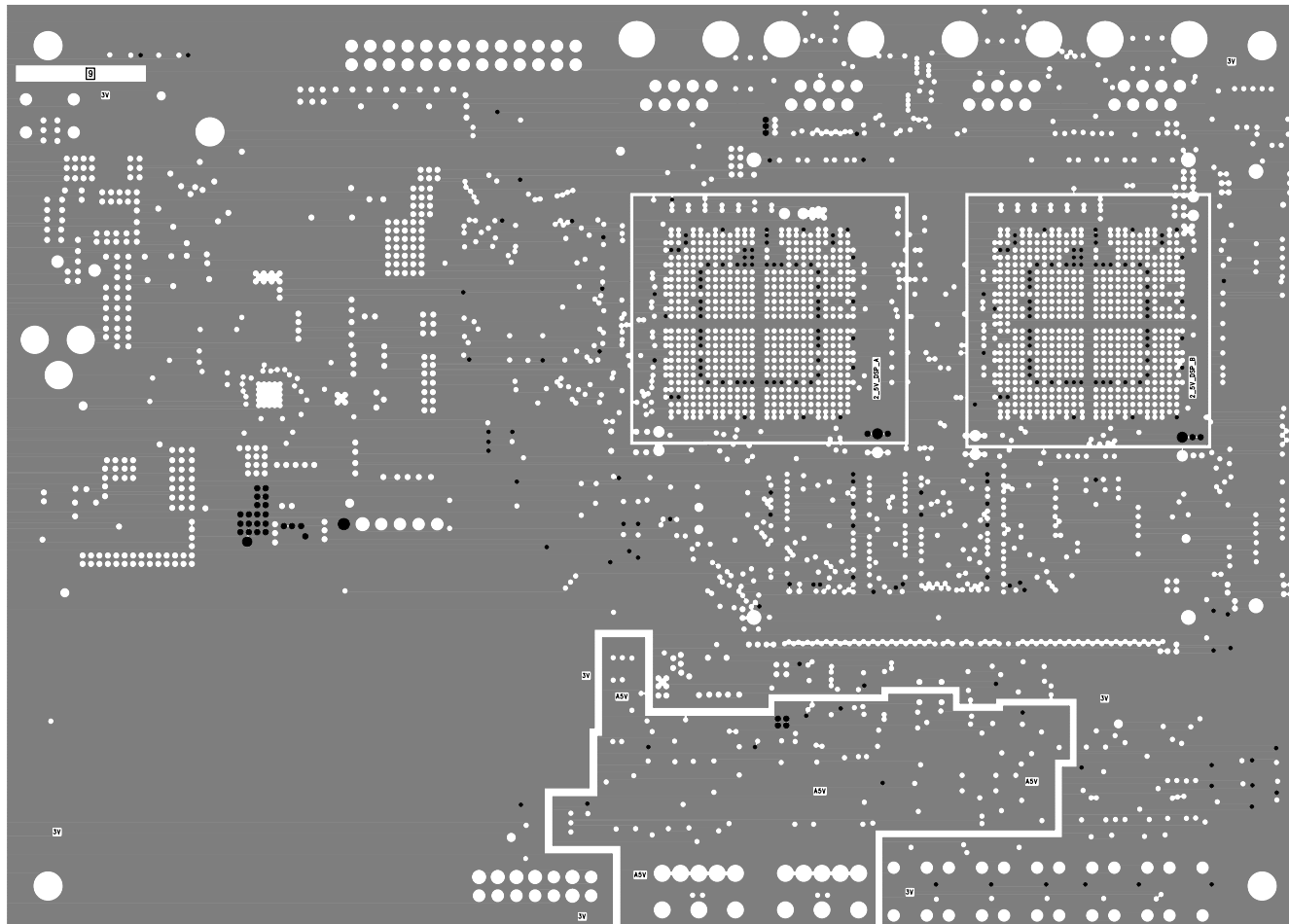



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		 20 Cotton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655	
	APPROVALS	DATE		
MATERIAL	DRAWN	06/28/07	LAYER 7 INTERNAL SIGNAL ADSP-TS201S EZ-KIT LITE	
	CHECKED			
FINISH	ENGINEERING		SIZE B	DWG. NO. A0178-2002-REF
	QUALITY			
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1	SHEET 7 OF 20
				REV. 2.1

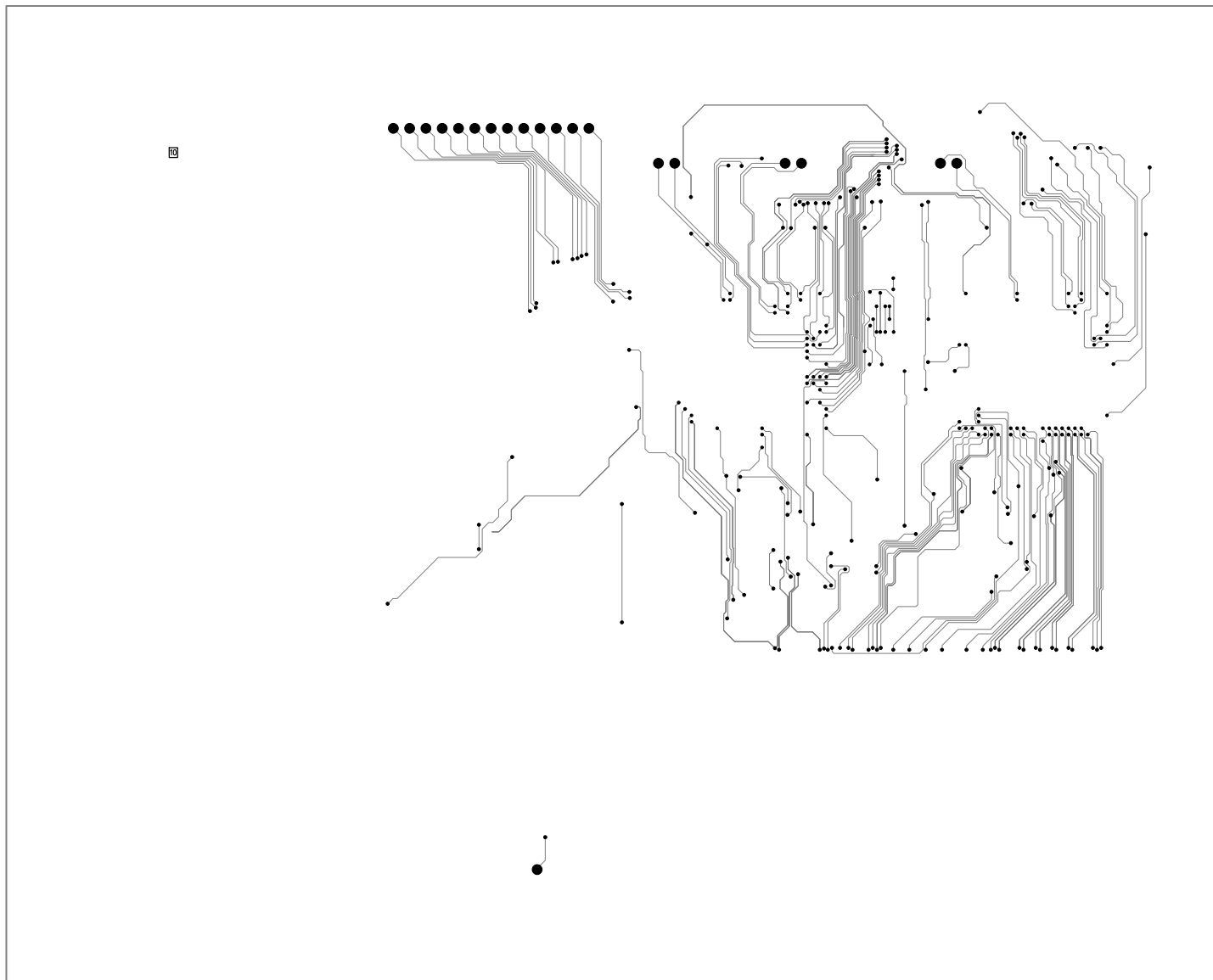



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		 20 Cotton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655	
	APPROVALS	DATE		
MATERIAL	DRAWN	06/28/07	LAYER 8 INTERNAL SIGNAL ADSP-TS201S EZ-KIT LITE	
	CHECKED			
FINISH	ENGINEERING		SIZE B	DWG. NO. A0178-2002-REF
	QUALITY			
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1	SHEET 8 OF 20

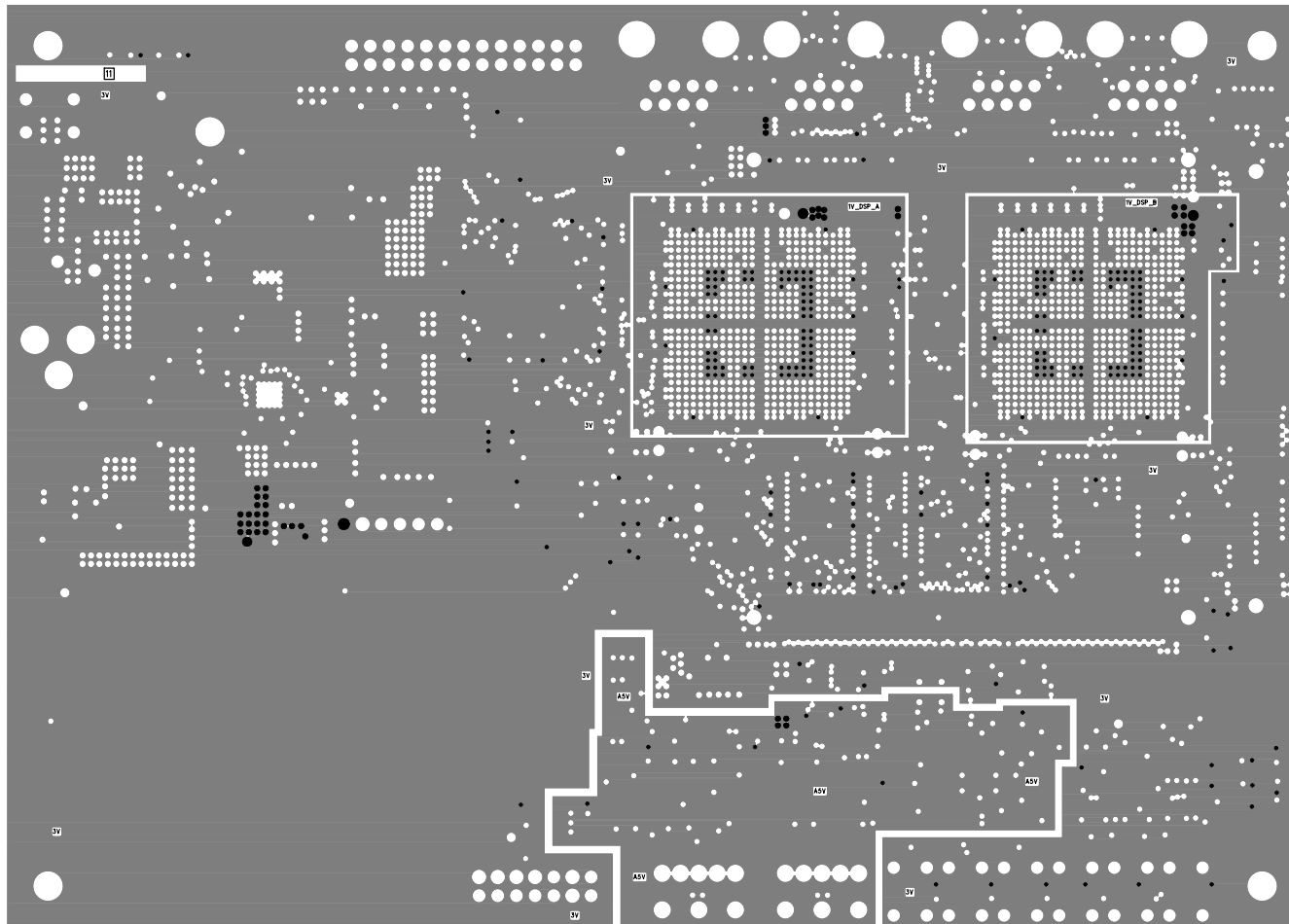
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2.1




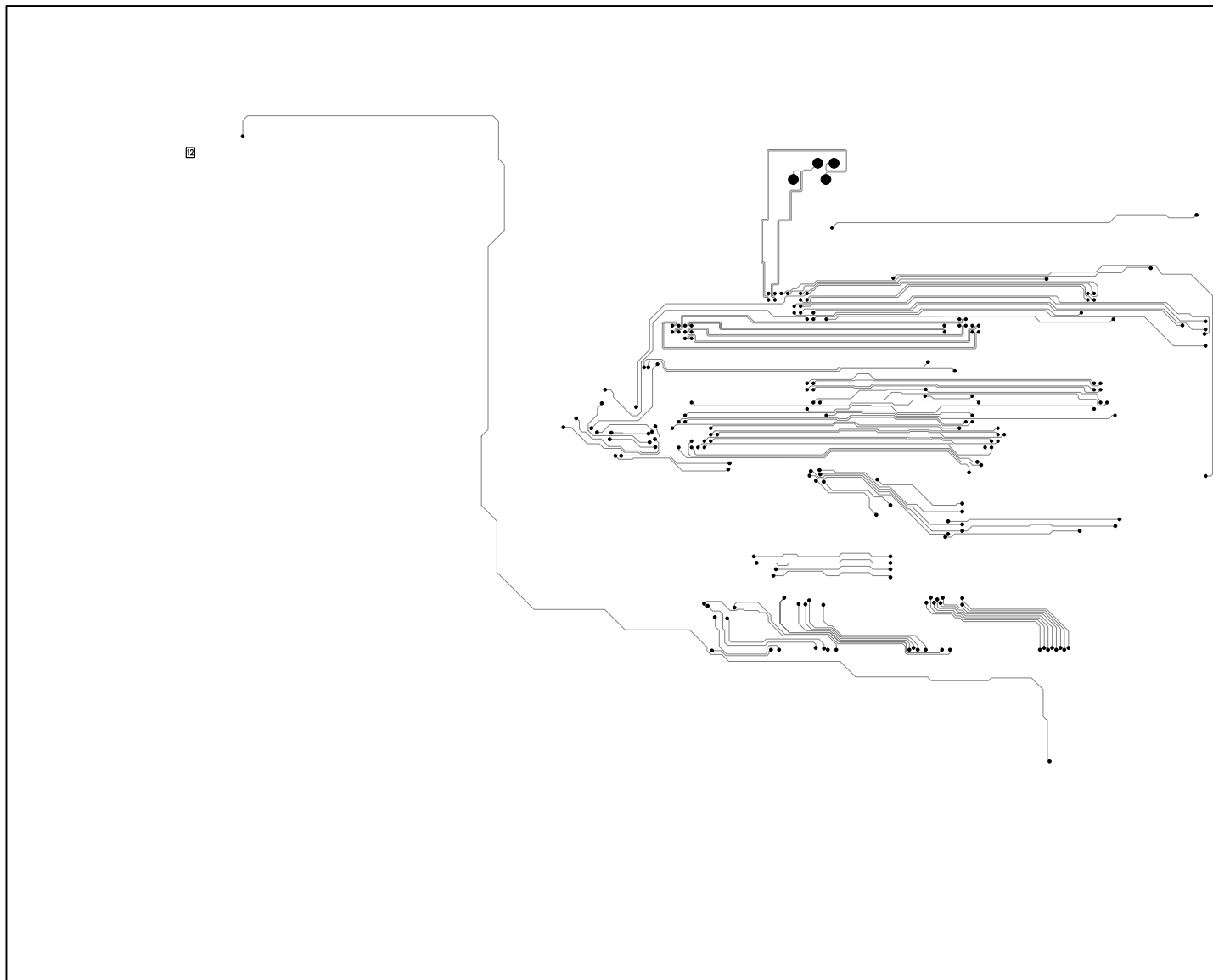
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	APPROVALS	DATE		
MATERIAL	DRAWN	06/28/07	LAYER 9 POWER PLANE ADSP-TS201S EZ-KIT LITE	
	CHECKED			
FINISH	ENGINEERING		SIZE	REV.
	QUALITY		B	2.1
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1	SHEET 9 OF 20
			DWG. NO.	A0178-2002-REF




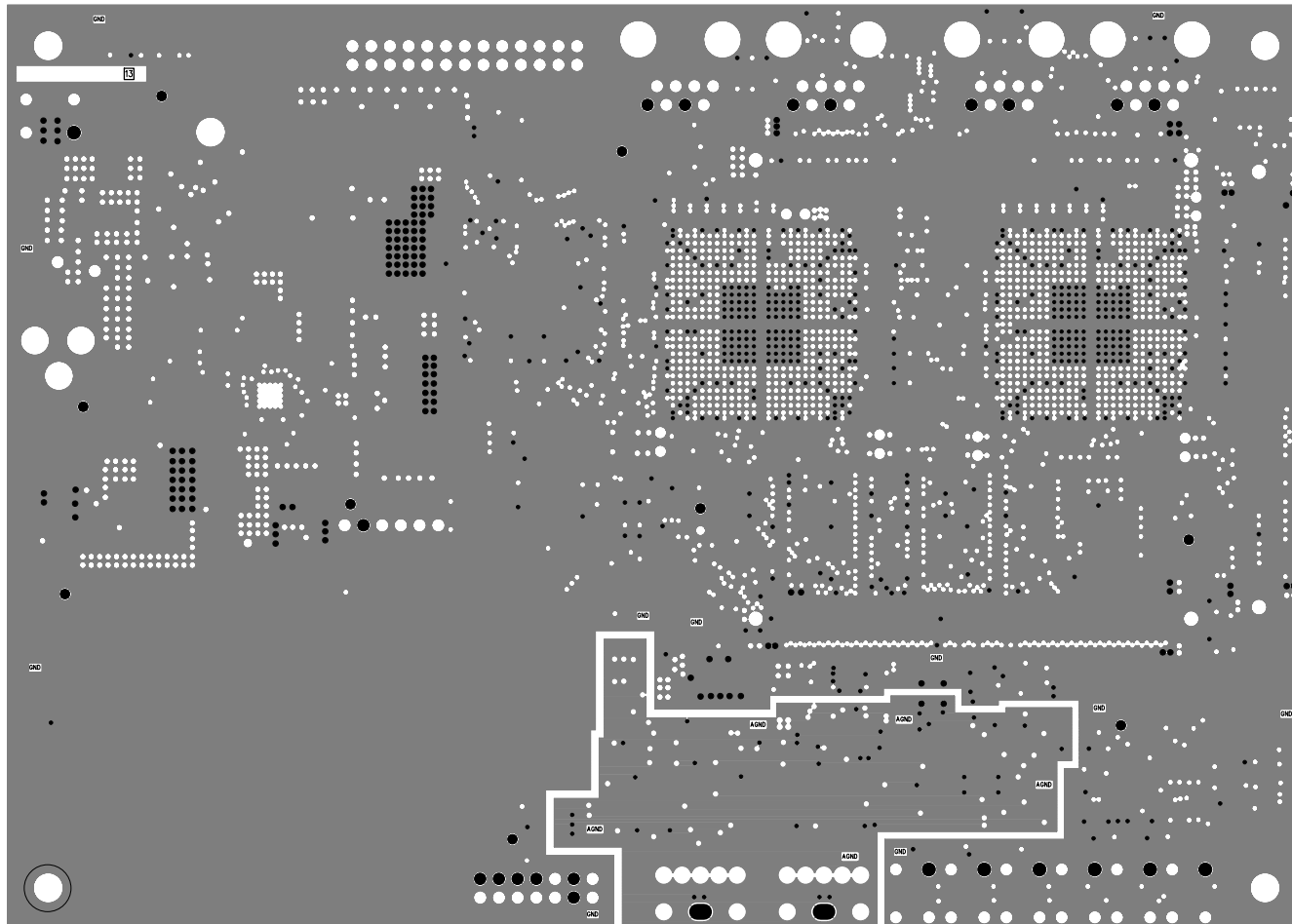
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		 20 Cotton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655	
	APPROVALS	DATE		
MATERIAL	DRAWN	06/28/07	LAYER 10 INTERNAL SIGNAL ADSP-TS201S EZ-KIT LITE	
	CHECKED			
FINISH	ENGINEERING		SIZE	REV.
	QUALITY		B	2.1
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1	SHEET 10 OF 20
			DWG. NO.	A0178-2002-REF




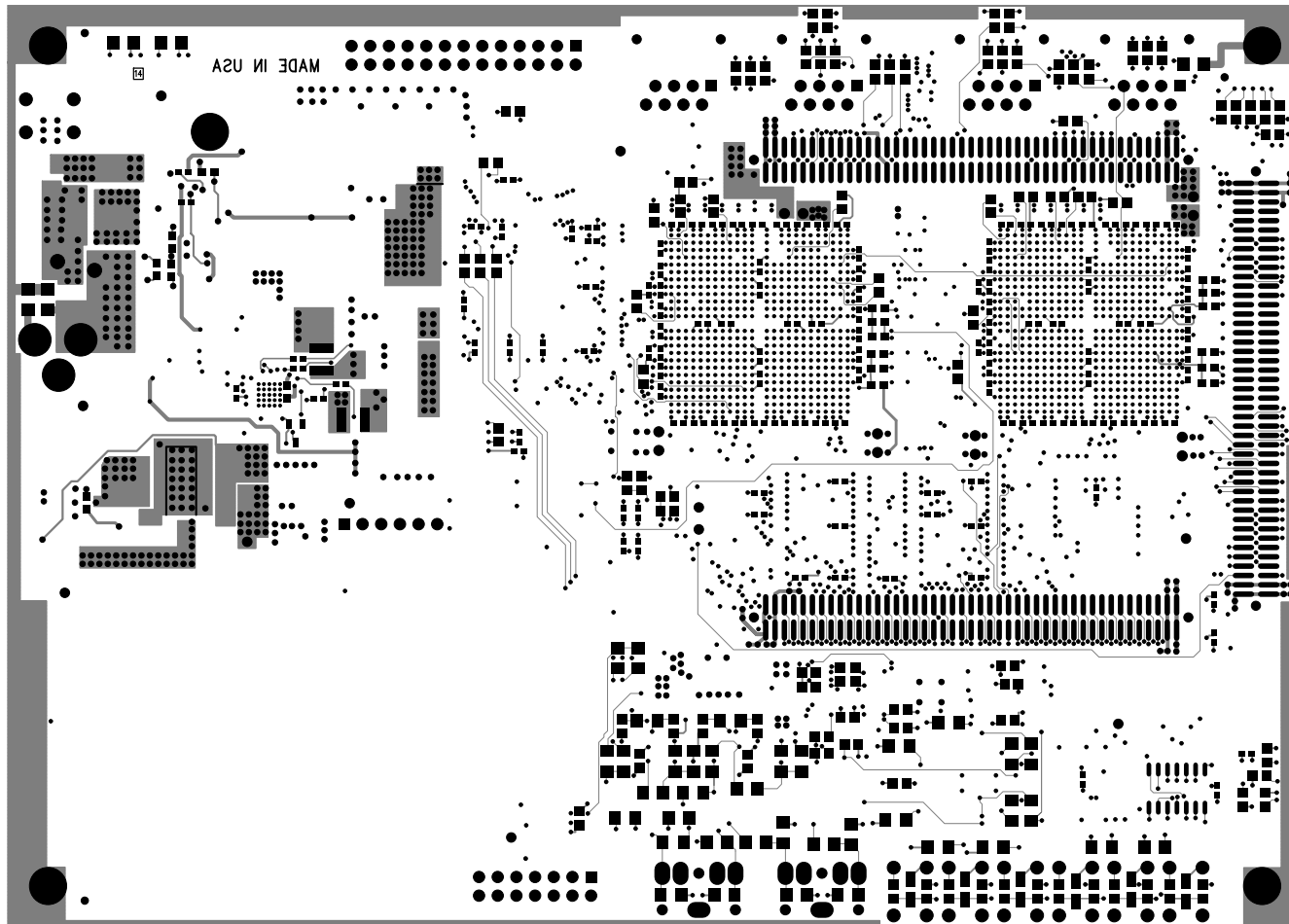
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		 20 Cotton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655	
	APPROVALS	DATE		
MATERIAL	DRAWN	06/28/07	LAYER 11 POWER PLANE ADSP-TS201S EZ-KIT LITE	
	CHECKED			
FINISH	ENGINEERING		SIZE	DWG. NO. A0178-2002-REF REV. 2.1
	QUALITY		B	
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1	SHEET 11 OF 20




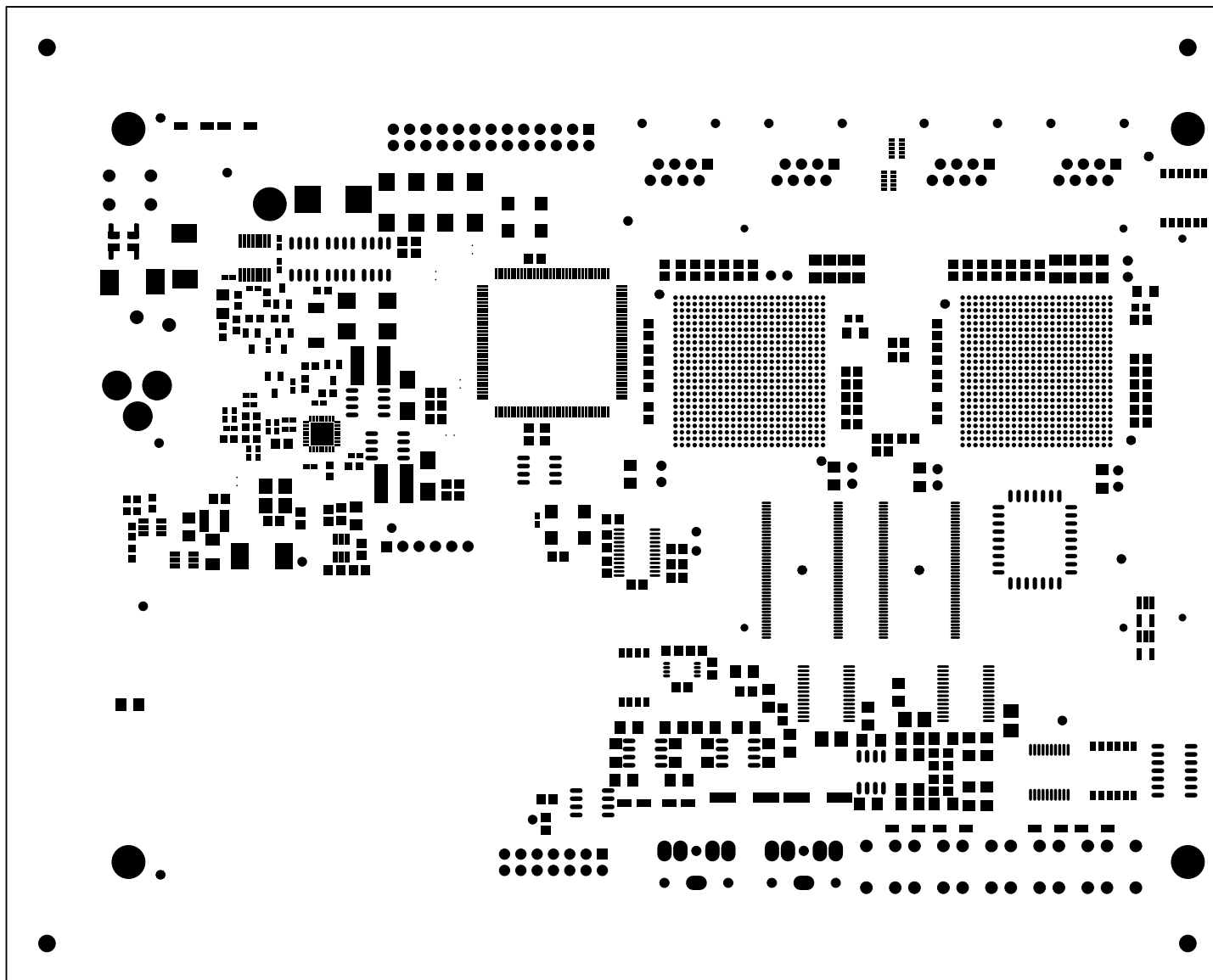
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		 20 Cotton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655	
	APPROVALS	DATE		
MATERIAL	DRAWN	06/28/07	LAYER 12 INTERNAL SIGNAL ADSP-TS201S EZ-KIT LITE	
	CHECKED			
FINISH	ENGINEERING		SIZE	REV.
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DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1	SHEET 12 OF 20
			DWG. NO.	A0178-2002-REF




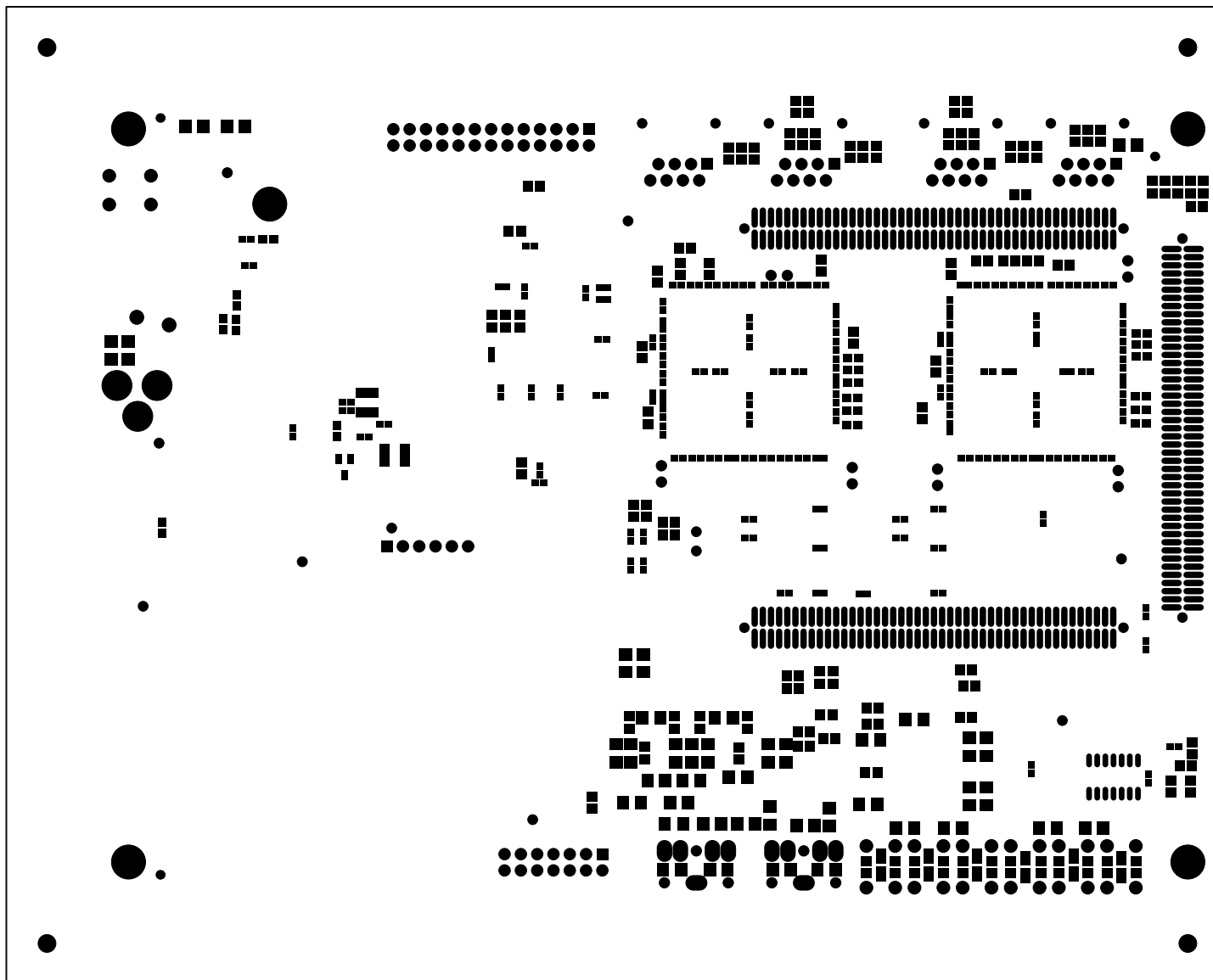
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		 20 Cotton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655	
	APPROVALS	DATE		
MATERIAL	DRAWN	06/28/07	LAYER 13 GROUND PLANE ADSP-TS201S EZ-KIT LITE	
	CHECKED			
FINISH	ENGINEERING		SIZE	REV.
	QUALITY		B	2.1
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1	SHEET 13 OF 20
			DWG. NO.	A0178-2002-REF




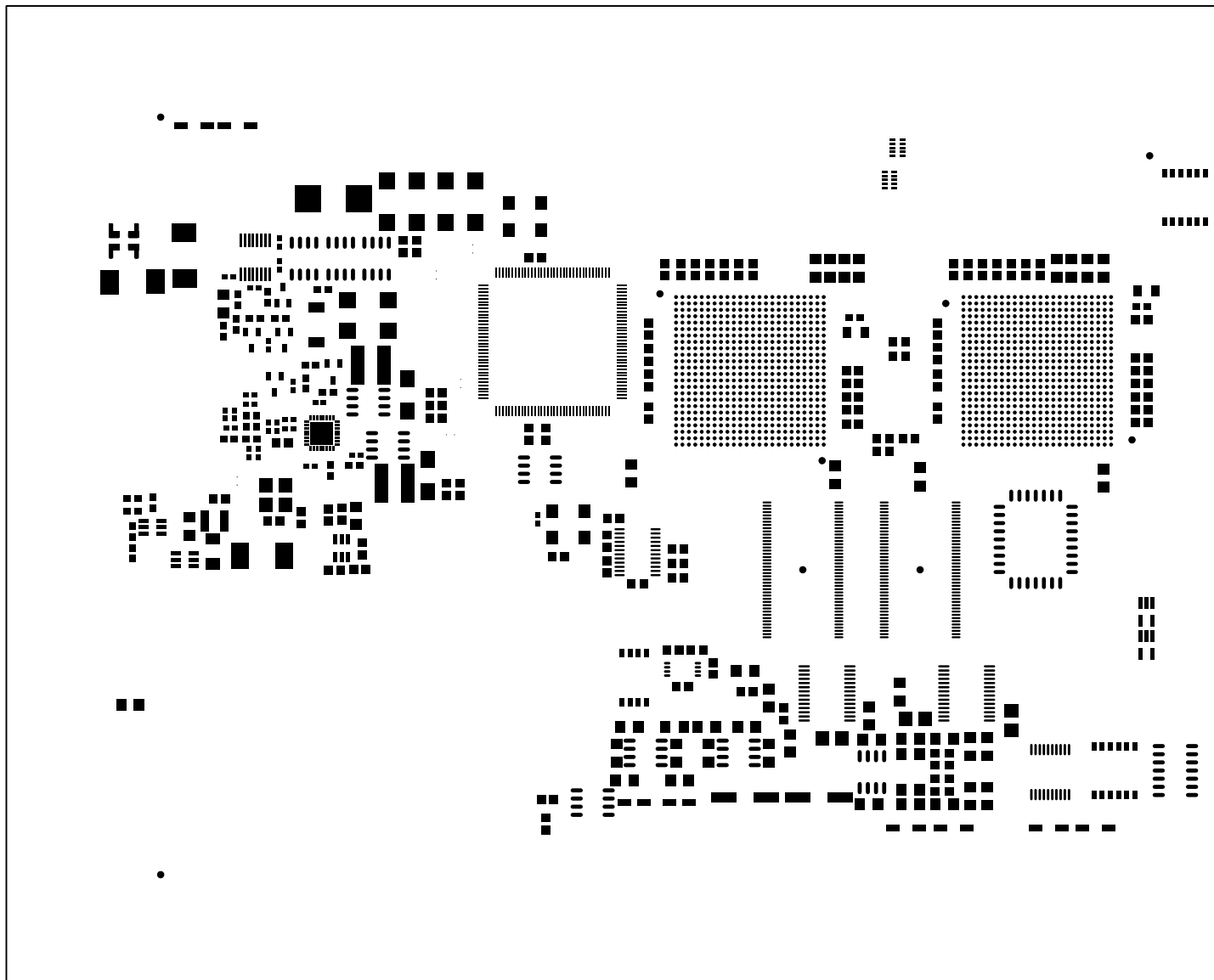
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005		CONTRACT NO.		 20 Cotton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655	
		APPROVALS	DATE		
MATERIAL	DRAWN	06/28/07	LAYER 14 BOTTOM SIDE ADSP-TS201S EZ-KIT LITE		
	CHECKED				
FINISH	ENGINEERING		SIZE	DWG. NO.	REV.
	QUALITY		B		
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1	SHEET 14 OF 20	
			A0178-2002-REF 2.1		





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	06/28/07	SOLDER MASK TOP SIDE ADSP-TS201S EZ-KIT LITE		
	CHECKED				
FINISH	ENGINEERING		SIZE B	DWG. NO. A0178-2002-REF	REV. 2.1
	QUALITY				
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1	SHEET 15 OF 20	



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	06/28/07	SOLDER MASK BOTTOM SIDE ADSP-TS201S EZ-KIT LITE	
	CHECKED			
FINISH	ENGINEERING		SIZE B	REV. 2.1
	QUALITY		DWG. NO. A0178-2002-REF	
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1	SHEET 16 OF 20



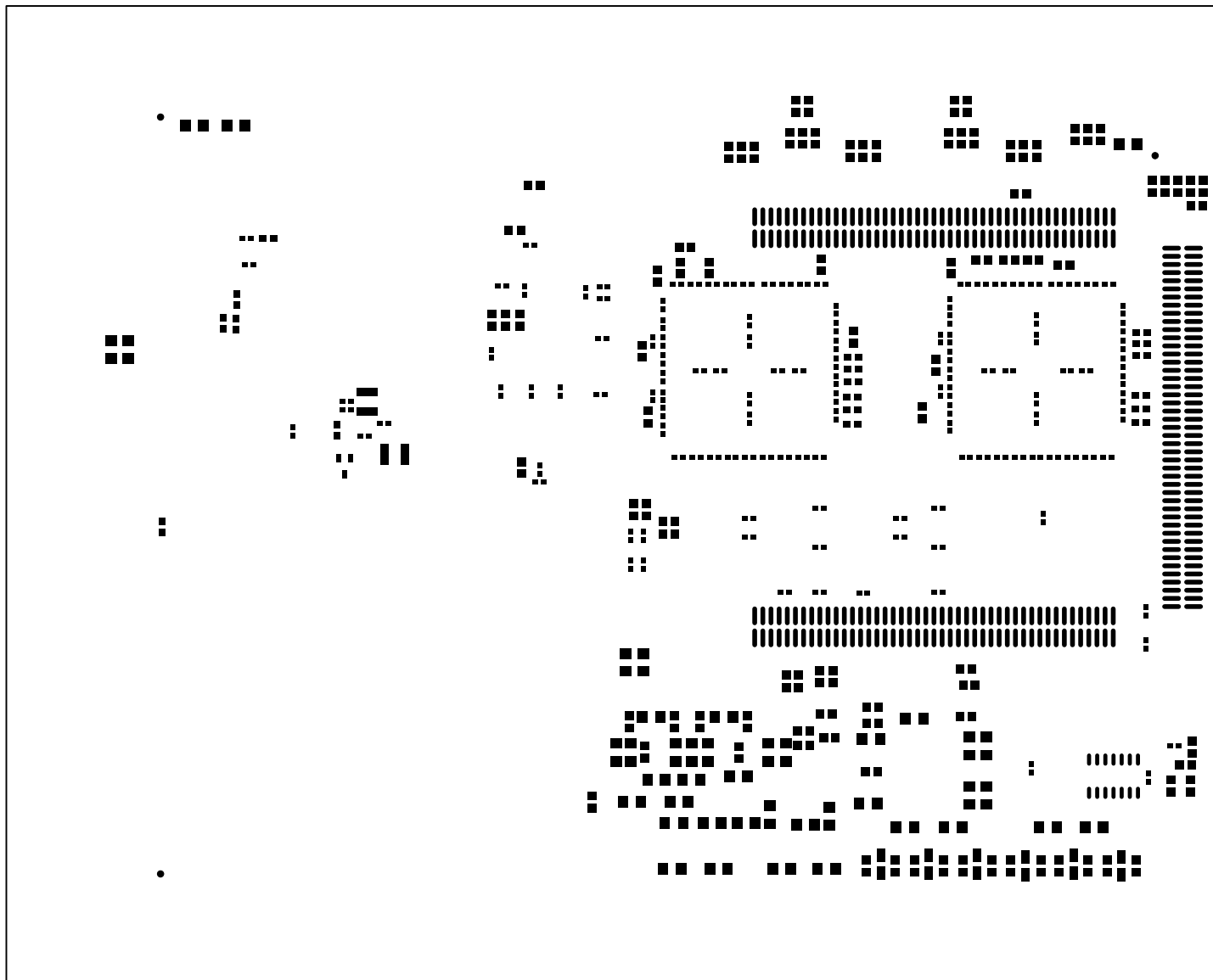
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		 20 Cotton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655	
	APPROVALS	DATE		
MATERIAL	DRAWN	06/28/07	SOLDER PASTE TOP SIDE ADSP-TS201S EZ-KIT LITE	
	CHECKED			
FINISH	ENGINEERING		SIZE	REV.
	QUALITY		B	2.1
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1	SHEET 19 OF 20



20 Cotton Road
Nashua, New Hampshire 03063
(603) 883-2430 FAX (603) 882-2655

SOLDER PASTE TOP SIDE
ADSP-TS201S EZ-KIT LITE

SIZE B
DWG. NO. A0178-2002-REF
REV. 2.1

SCALE 1 : 1
SHEET 19 OF 20



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	06/28/07	SOLDER PASTE BOTTOM SIDE ADSP-TS201S EZ-KIT LITE	
	CHECKED			
FINISH	ENGINEERING		SIZE B	REV. 2.1
	QUALITY		DWG. NO. A0178-2002-REF	
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1	SHEET 20 OF 20