
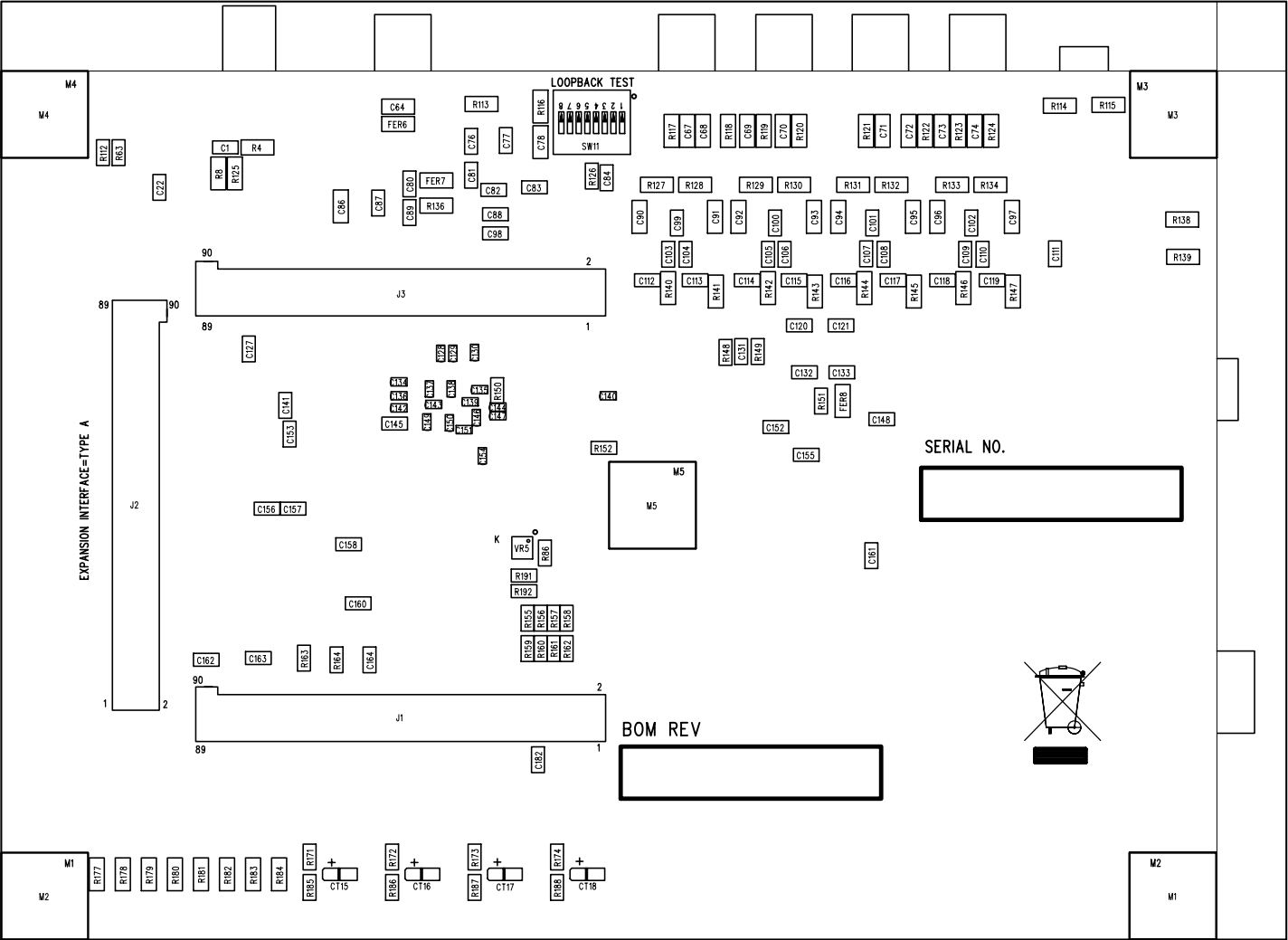



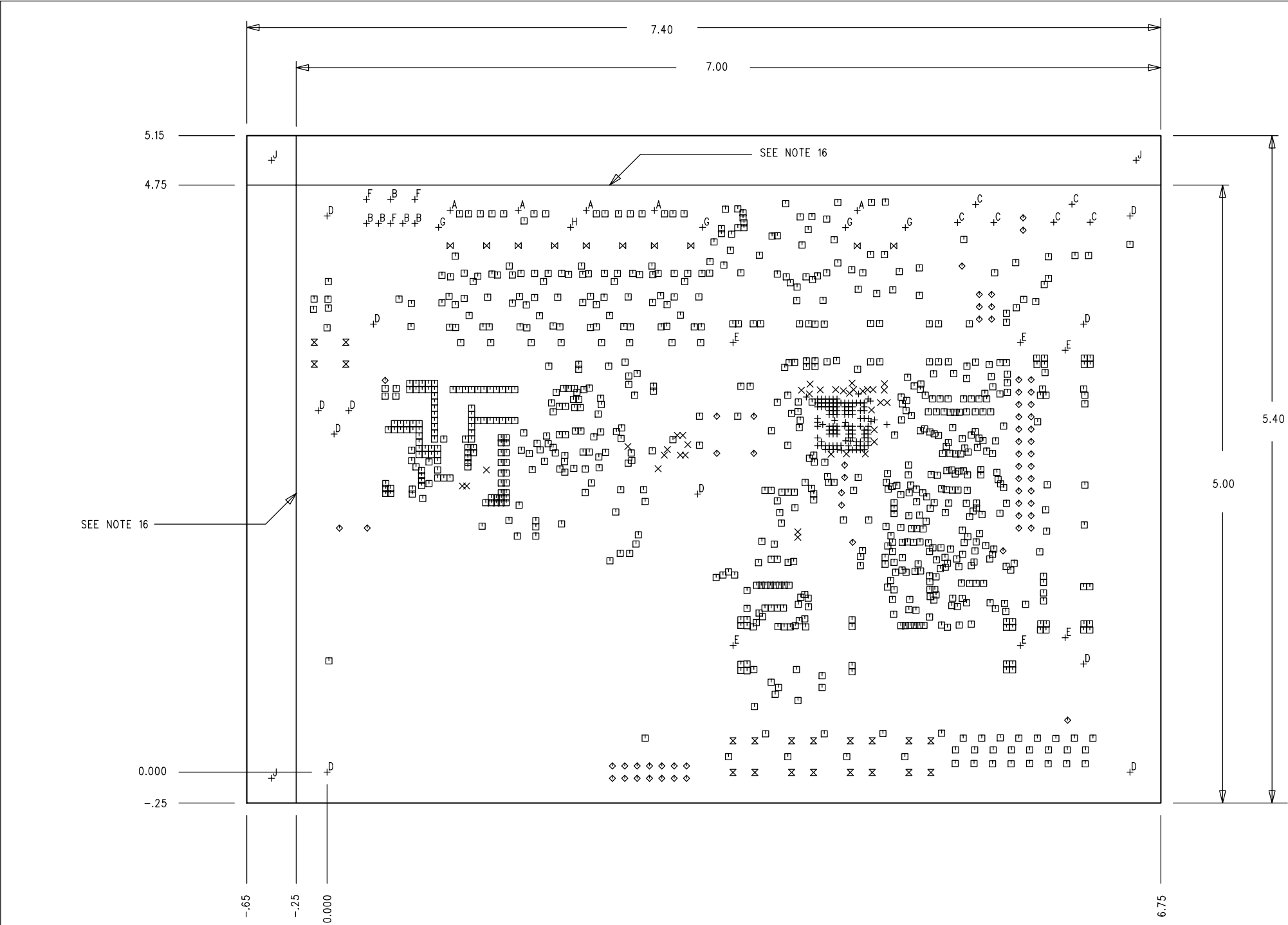
NOTES:

1. POPULATE M1-M5 WITH RUBBER FEET. SEE SHEET 2 FOR LOCATION.
2. PLACE SERIAL NUMBER ON BOTTOM SIDE SEE SHEET 2 FOR LOCATION.
3. PLACE BOM REV ON BOTTOM SIDE SEE SHEET 2 FOR LOCATION.
4. BEFORE WAVE SOLDERING MASK HOLES FOR TP1-TP7, P7, P8 & ZP2.
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	06/25/07	ASSEMBLY DRAWING TOP SIDE ADSP-21364 EZ-KIT LITE
FINISH	CHECKED		
	ENGINEERING		SIZE B DWG. NO. ASSMAA0190-2004-REF REV. 2.0
	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	06/25/07	ASSEMBLY DRAWING BOTTOM SIDE ADSP-21364 EZ-KIT LITE
FINISH	CHECKED		
DO NOT SCALE THIS DRAWING	ENGINEERING		SIZE B
	QUALITY		
	MANUFACTURING		DWG. NO. ASSMAA0190-2004-REF
		SCALE 1 : 1	REV. 2.0
			SHEET 2 OF 2

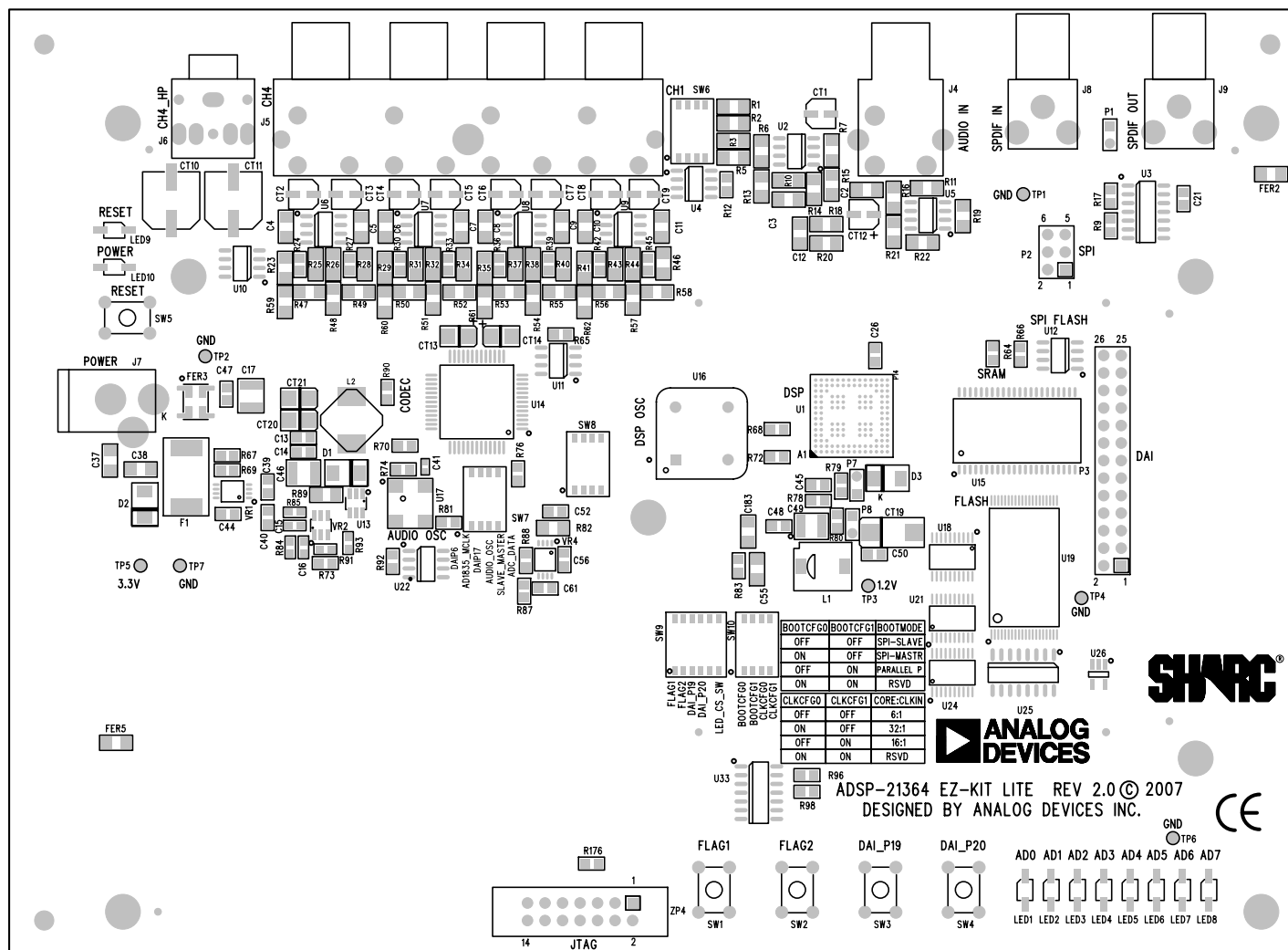



UNLESS OTHERWISE SPECIFIED

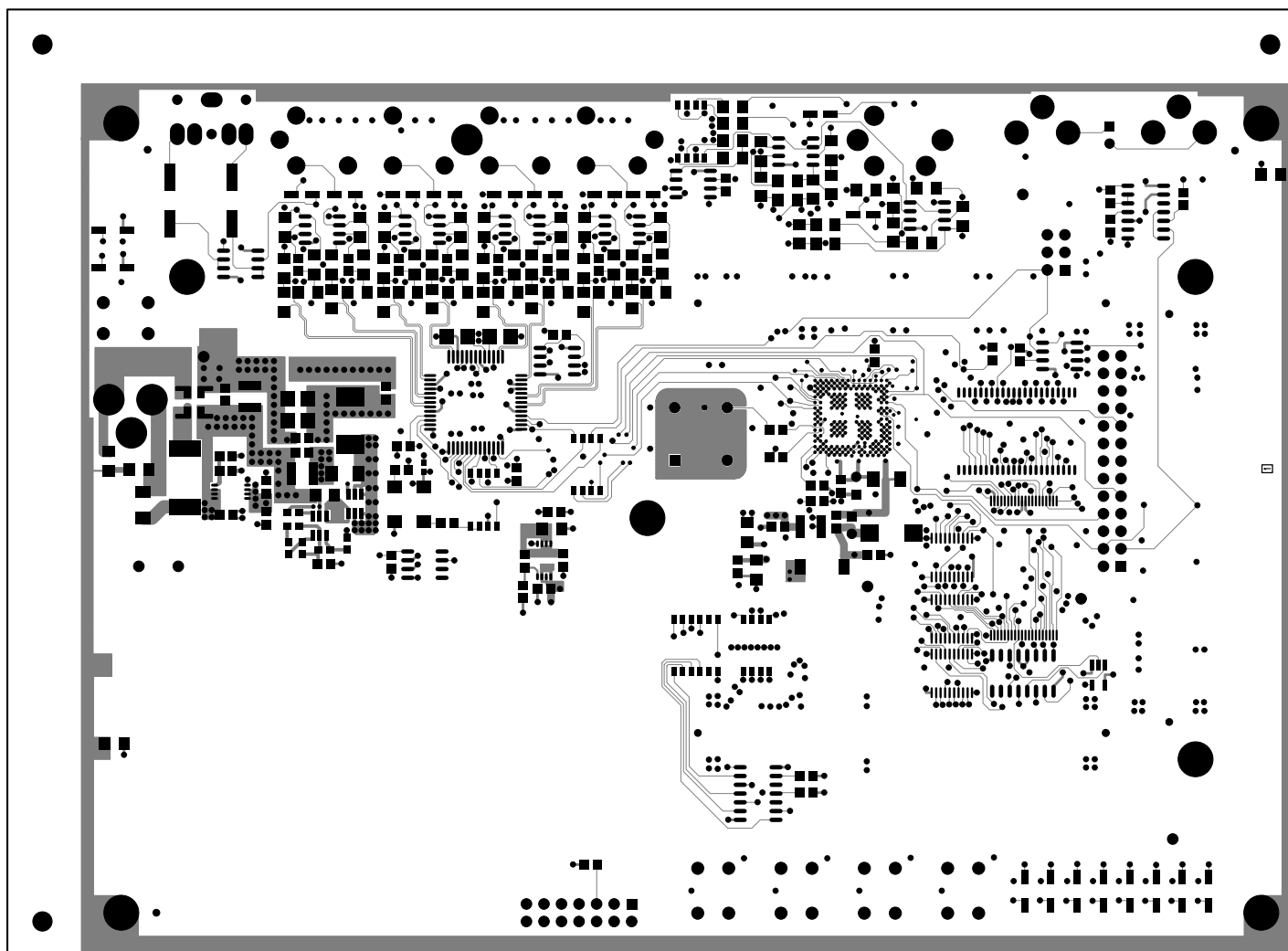
- BOARD TO BE FABRICATED PER IPC-6012A, CLASS 2.
- MATERIAL: POLYCLAD FR-370HR OR EQUIVALENT. OUTER LAYERS 1/2 OZ/SQFT CU
INNER LAYERS 1/2 OZ/SQFT CU FINISHED .062 (.055 MIN .070 MAX SEE DETAIL).
VENDOR MAY ADJUST THICKNESS TO FULFILL NOTE 9.
- PLATING: ADDITIONAL CU PLATING 1 OZ/SQFT
ALL HOLES PLATED 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, .014) 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 2 LINES ON BOTH SIDES OF THE BOARD. SEE DETAIL.


SIZE	QTY	SYM	PLATED	TOL
6	114	+	YES	+0.000/-0.006
10	36	×	YES	+0.000/-0.010
14	794	□	YES	+0.000/-0.014
37	63	◇	YES	+/-0.003
41	20	⊠	YES	+/-0.003
51	10	⊠	YES	+/-0.003
59	5	+ ^A	YES	+/-0.005
70	5	+ ^B	YES	+/-0.003
85	6	+ ^C	YES	+/-0.003
125	11	+ ^D	YES	+/-0.005
53	6	+ ^E	NO	+0.003/-0.000
67	3	+ ^F	NO	+/-0.003
140	4	+ ^G	NO	+/-0.005
187	1	+ ^H	NO	+/-0.005
125	3	+ ^J	NO	+/-0.005

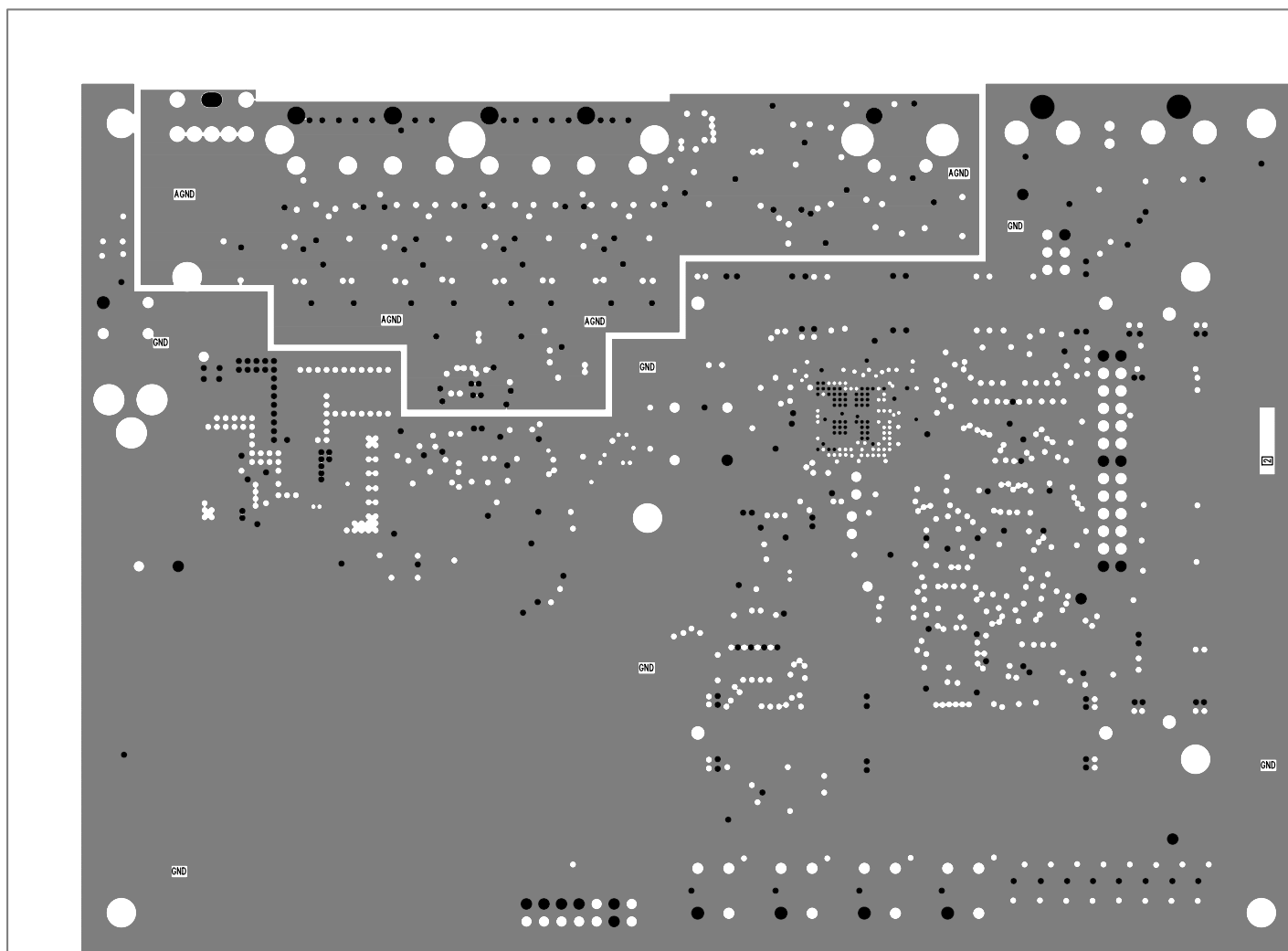
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		 20 Cotton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655	
	APPROVALS	DATE		
MATERIAL SEE NOTES	DRAWN	06/25/07	FABRICATION DRAWING ADSP-21364 EZ-KIT LITE	
	CHECKED			
FINISH SEE NOTES	ENGINEERING		SIZE B	DWG. NO. A0190-2004-REF
	QUALITY			
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1	SHEET 1 OF 1




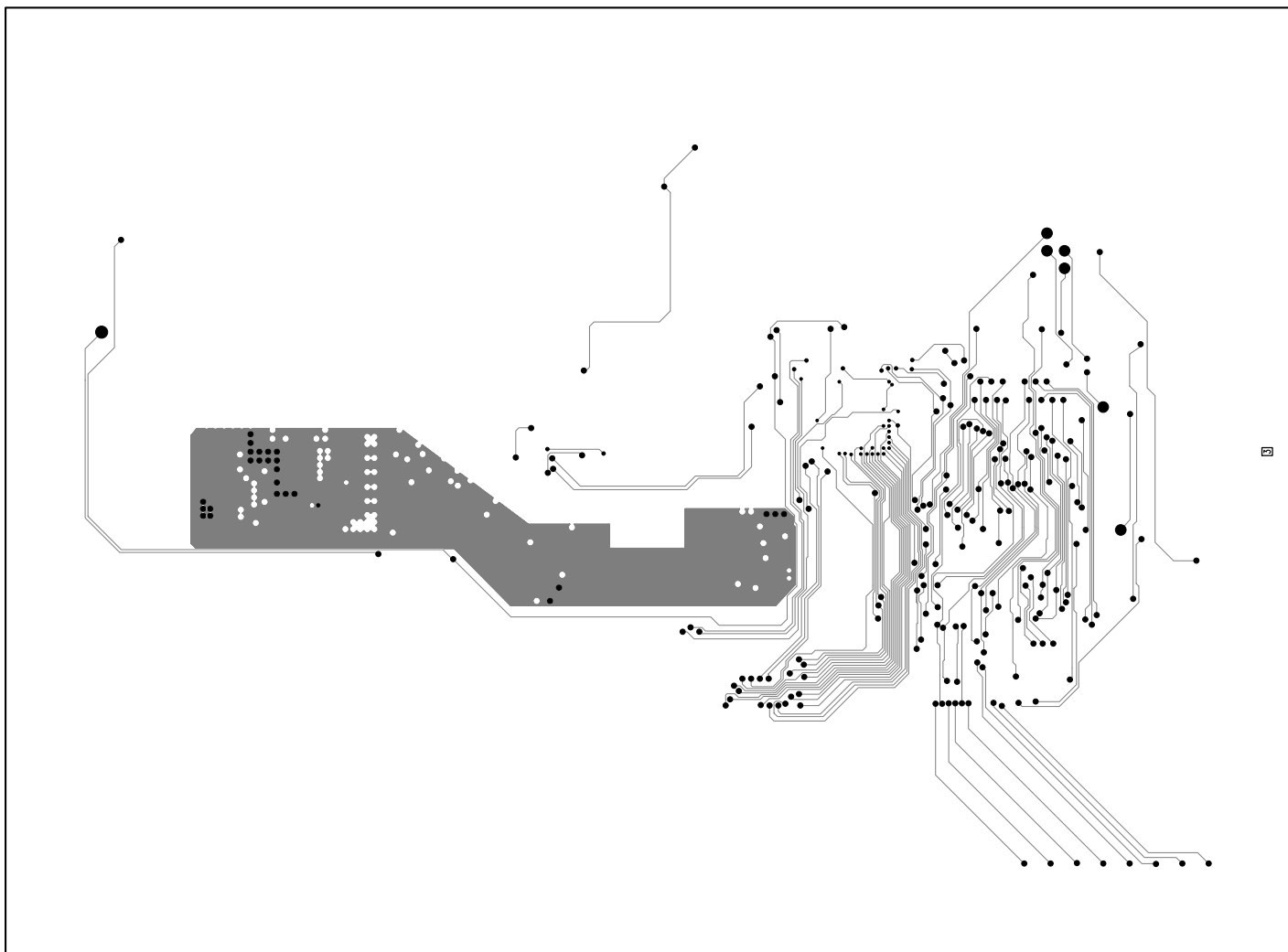
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		 20 Cotton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655
	APPROVALS	DATE	
MATERIAL	DRAWN	06/25/07	SILKSCREEN TOP SIDE ADSP-21364 EZ-KIT LITE
	CHECKED		
FINISH	ENGINEERING		SIZE B DWG. NO. A0190-2004-REF REV. 2.0
	QUALITY		
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1 SHEET 11 OF 14




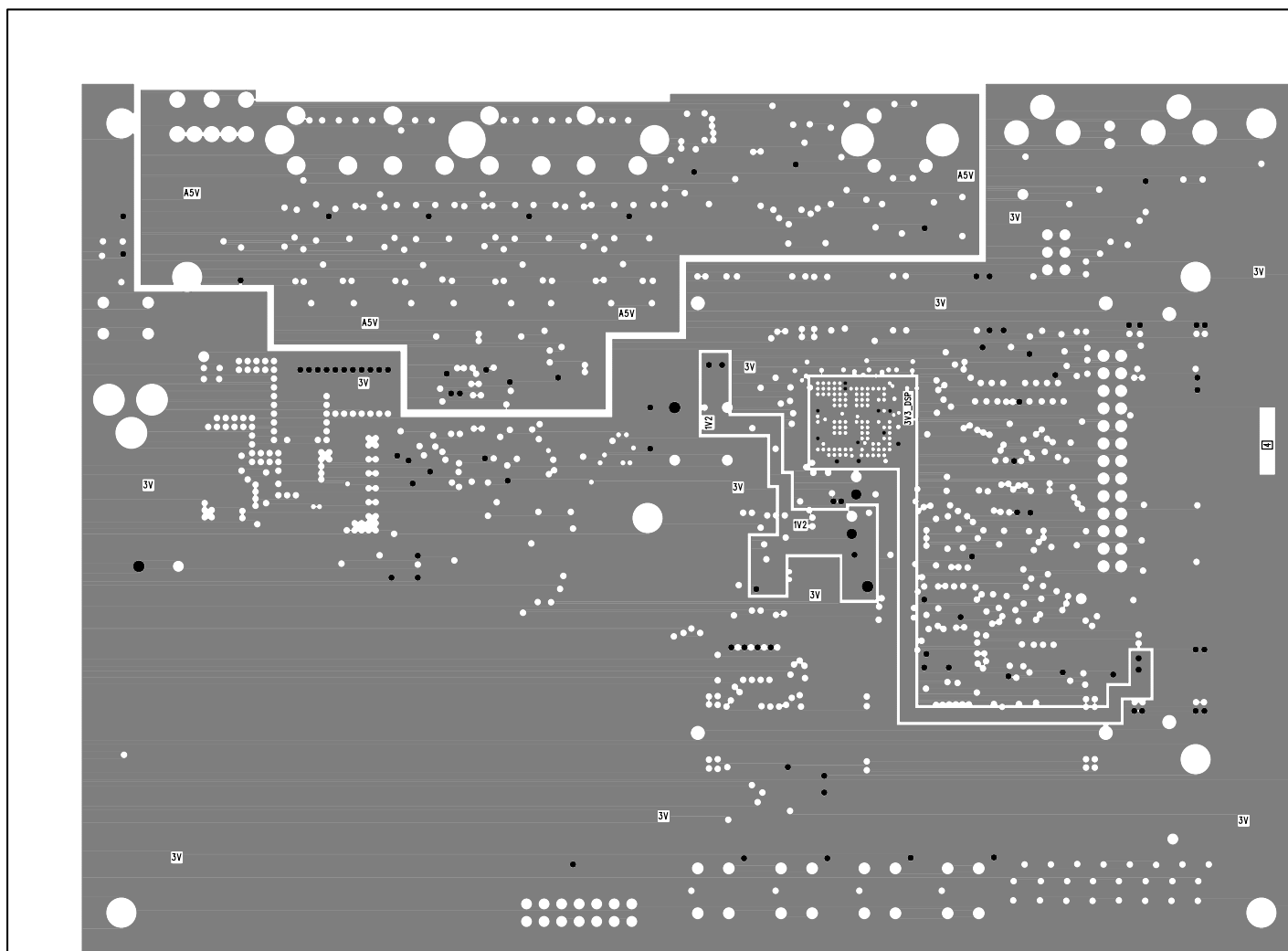
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		 20 Cotton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655
	APPROVALS	DATE	
MATERIAL	DRAWN	06/25/07	LAYER 1 TOP SIDE ADSP-21364 EZ-KIT LITE
	CHECKED		
FINISH	ENGINEERING		SIZE B DWG. NO. A0190-2004-REF REV. 2.0
	QUALITY		
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1 SHEET 1 OF 14




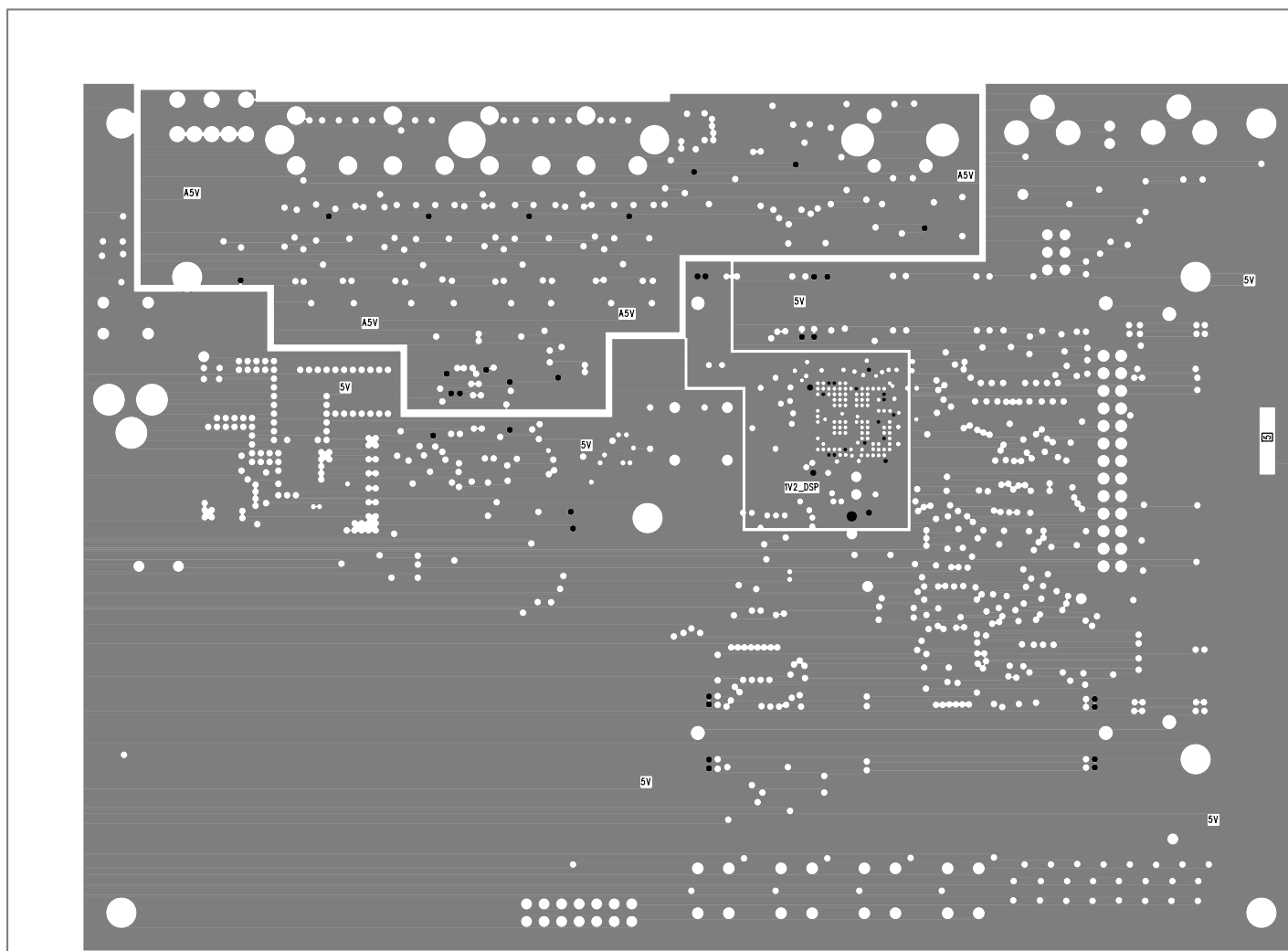
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		 20 Cotton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655	
	APPROVALS	DATE		
MATERIAL	DRAWN	06/25/07	LAYER 2 GROUND PLANE ADSP-21364 EZ-KIT LITE	
	CHECKED			
FINISH	ENGINEERING		SIZE B	REV. 2.0
	QUALITY		DWG. NO.	A0190-2004-REF
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1	SHEET 2 OF 14




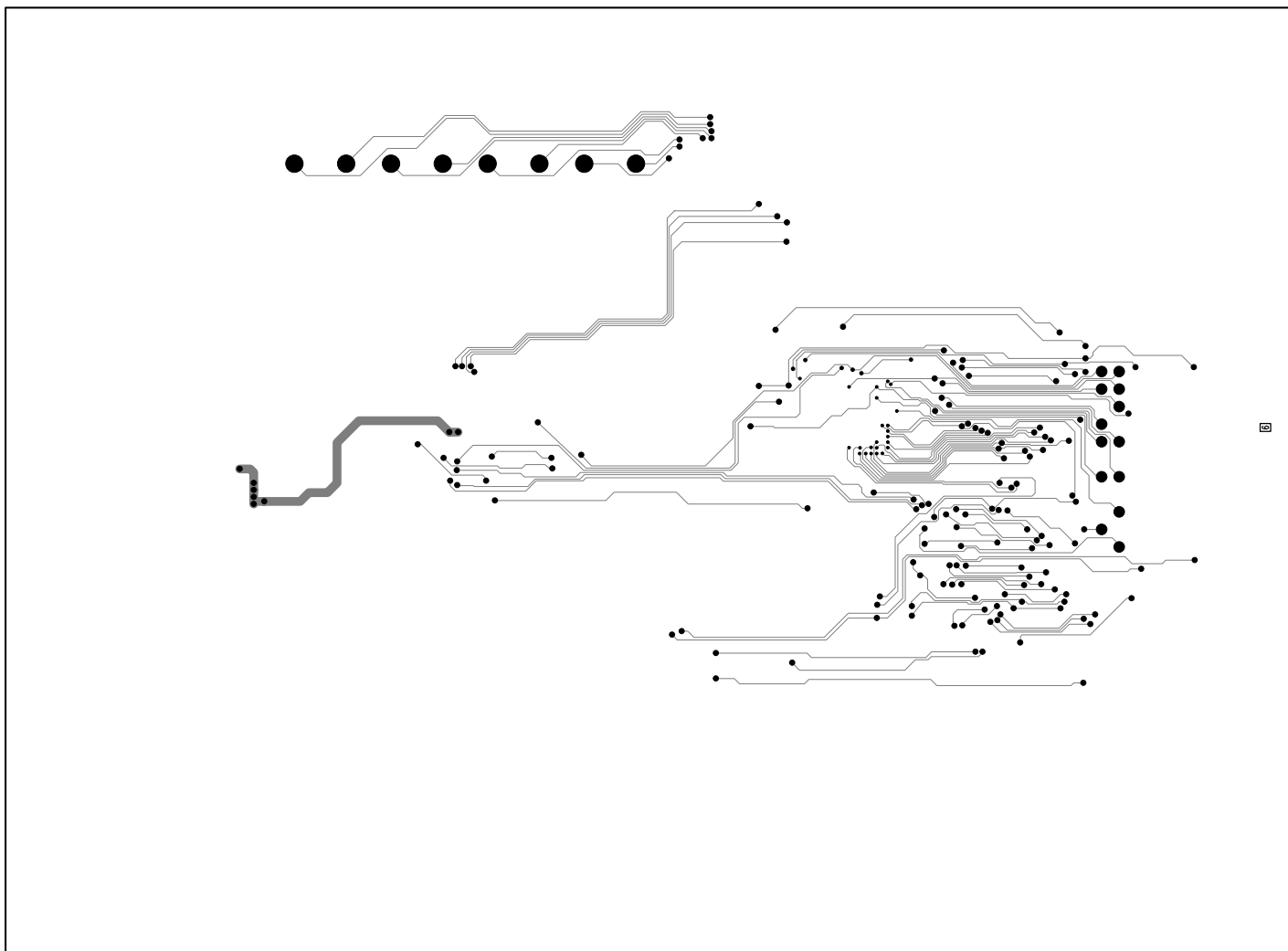
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		 20 Cotton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655	
	APPROVALS	DATE		
MATERIAL	DRAWN	06/25/07	LAYER 3 INTERNAL SIGNAL ADSP-21364 EZ-KIT LITE	
	CHECKED			
FINISH	ENGINEERING		SIZE	REV.
	QUALITY		B	2.0
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1	SHEET 3 OF 14
			DWG. NO.	A0190-2004-REF




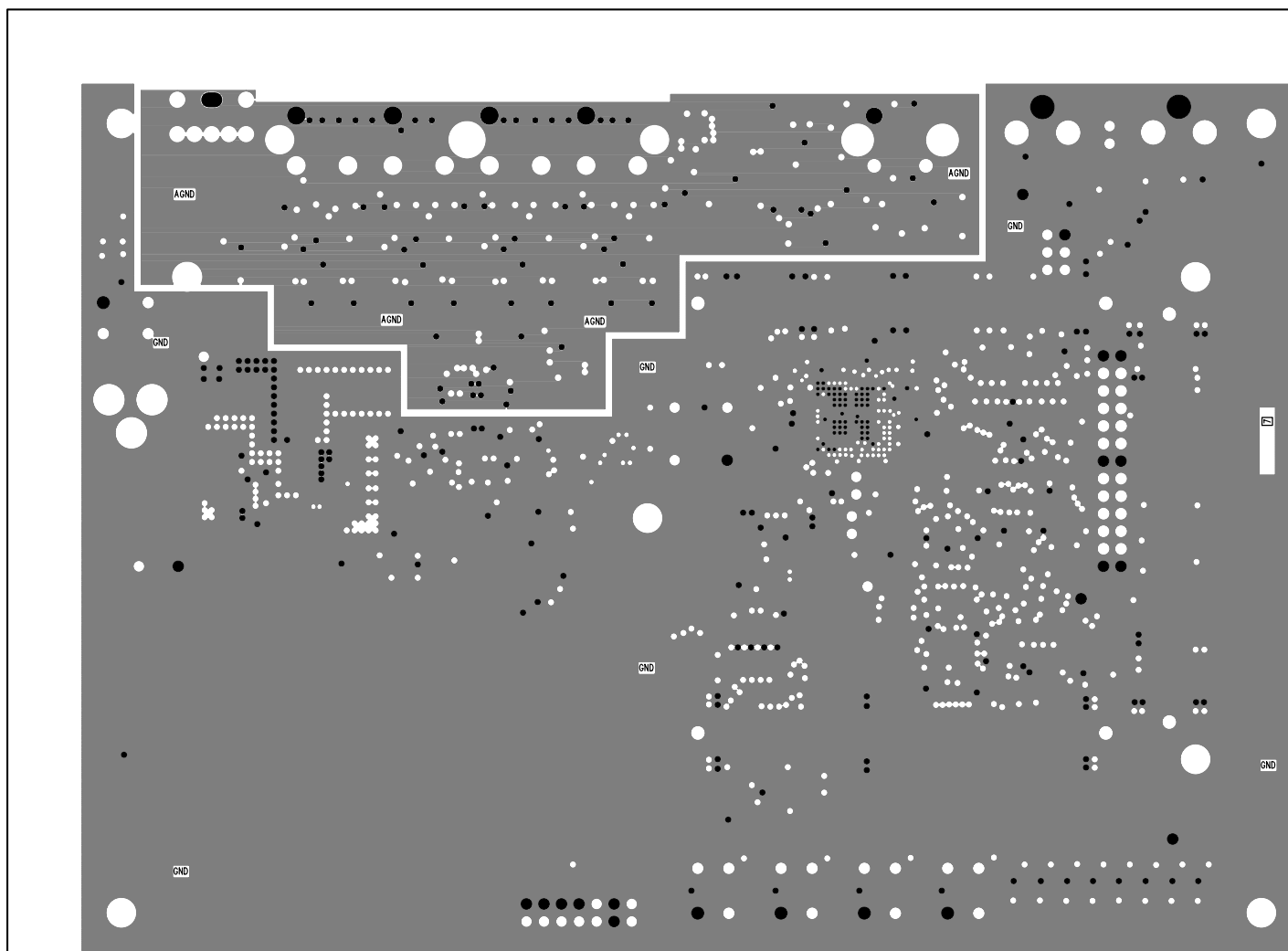
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		 20 Cotton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655
	APPROVALS	DATE	
MATERIAL	DRAWN	06/25/07	LAYER 4 3V PLANE ADSP-21364 EZ-KIT LITE
	CHECKED		
FINISH	ENGINEERING		SIZE B DWG. NO. A0190-2004-REF REV. 2.0
	QUALITY		
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1 SHEET 4 OF 14




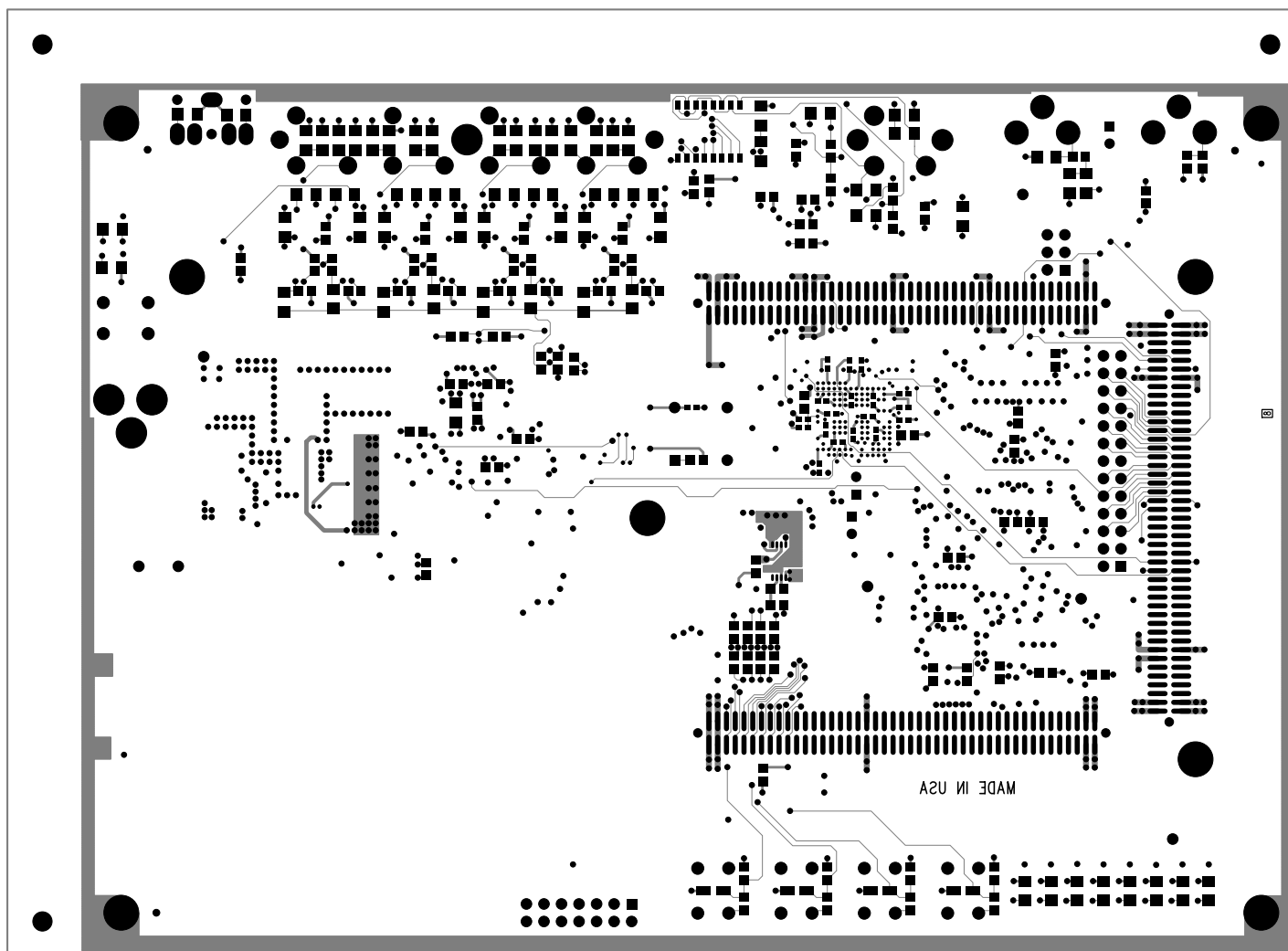
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		 20 Cotton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655
	APPROVALS	DATE	
MATERIAL	DRAWN	06/25/07	LAYER 5 5V PLANE ADSP-21364 EZ-KIT LITE
	CHECKED		
FINISH	ENGINEERING		SIZE B
	QUALITY		
DO NOT SCALE THIS DRAWING	MANUFACTURING		DWG. NO. A0190-2004-REF REV. 2.0
SCALE 1 : 1		SHEET 5 OF 14	




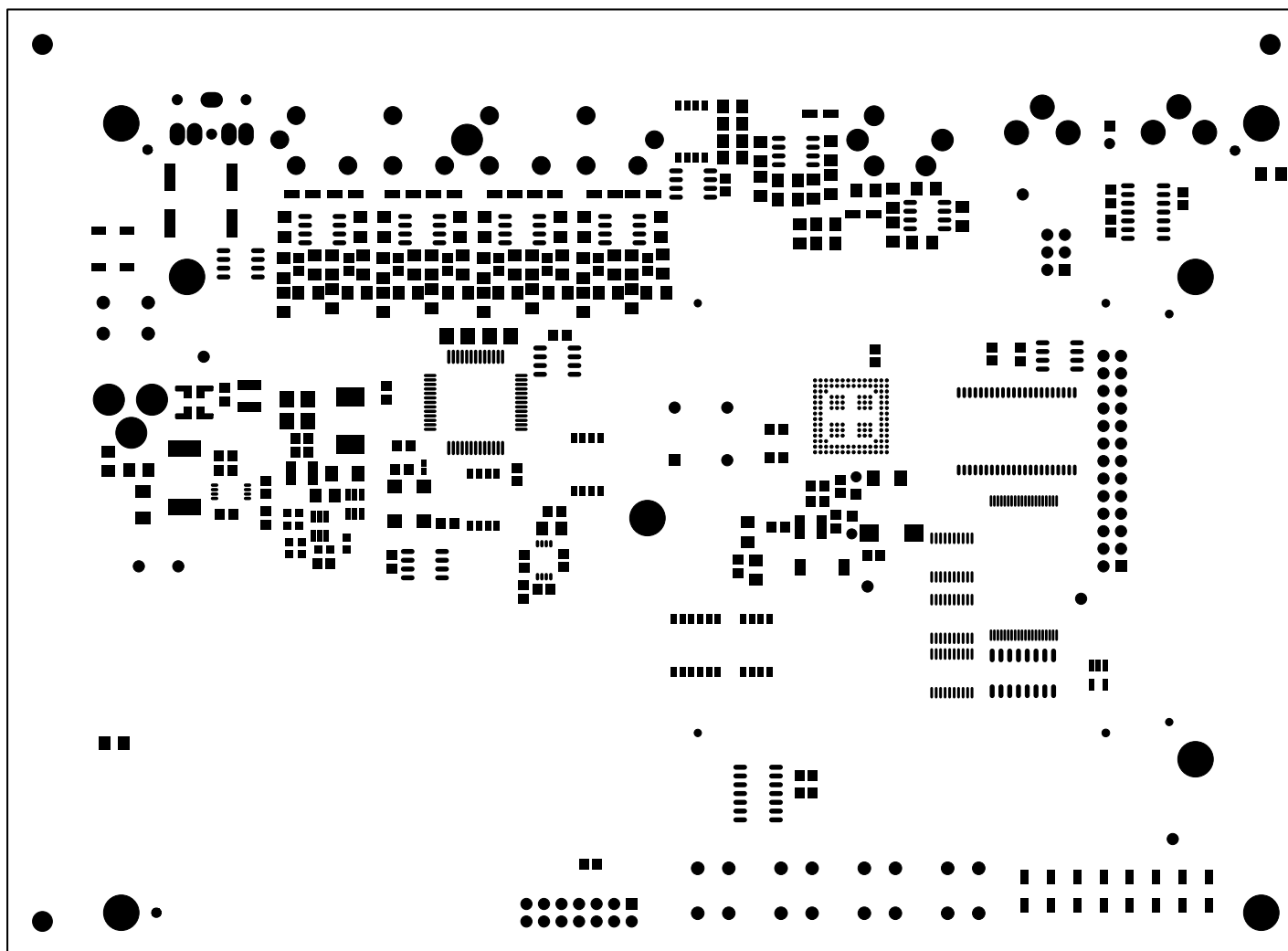
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		 20 Cotton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655	
	APPROVALS	DATE		
MATERIAL	DRAWN	06/25/07	LAYER 6 INTERNAL SIGNAL ADSP-21364 EZ-KIT LITE	
	CHECKED			
FINISH	ENGINEERING		SIZE	REV.
	QUALITY		B	2.0
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1	SHEET 6 OF 14
			DWG. NO.	A0190-2004-REF




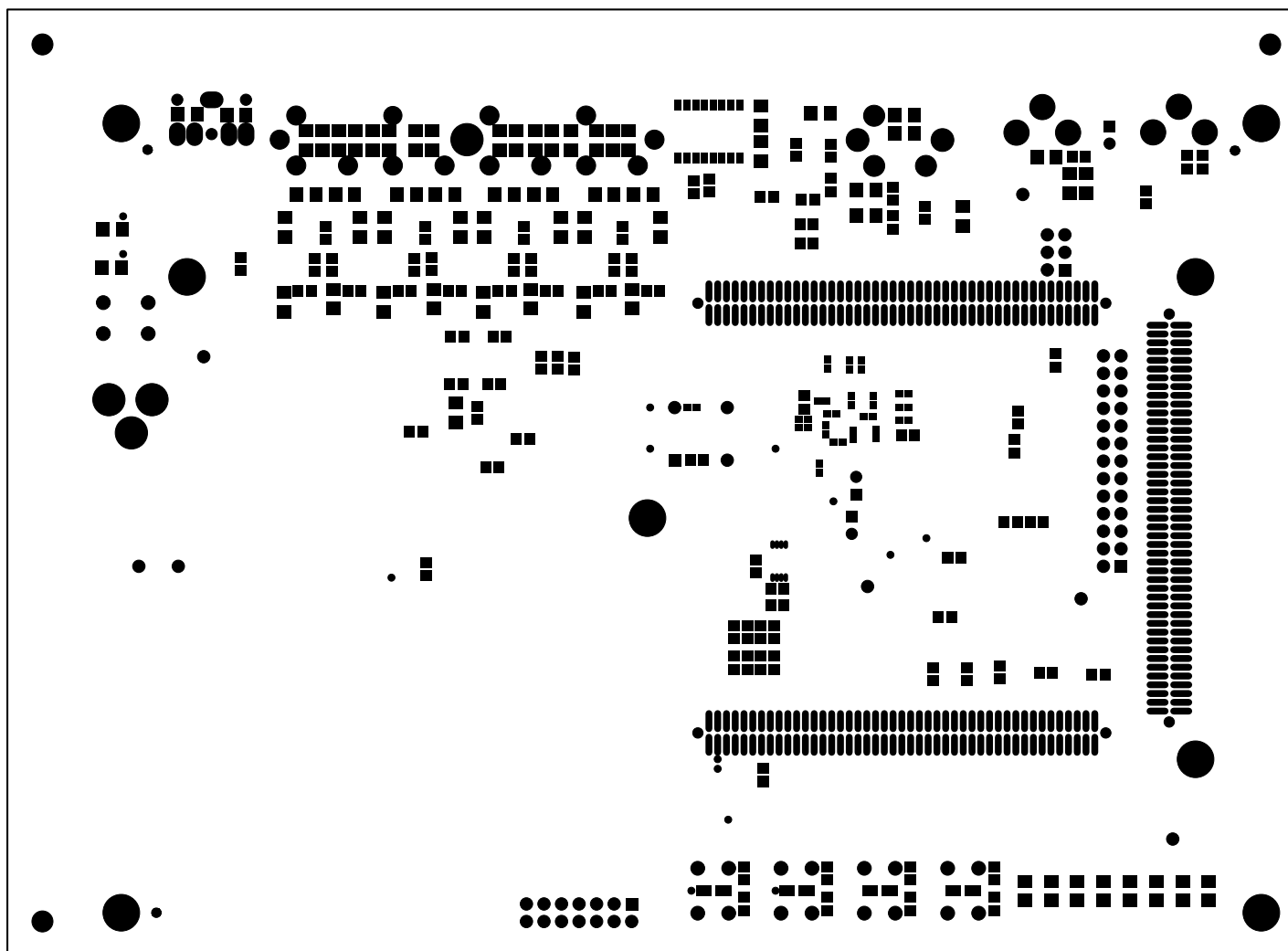
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		 20 Cotton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655
	APPROVALS	DATE	
MATERIAL	DRAWN	06/25/07	LAYER 7 GROUND PLANE ADSP-21364 EZ-KIT LITE
	CHECKED		
FINISH	ENGINEERING		SIZE B
	QUALITY		
DO NOT SCALE THIS DRAWING	MANUFACTURING		DWG. NO. A0190-2004-REF REV. 2.0
SCALE 1 : 1		SHEET 7 OF 14	




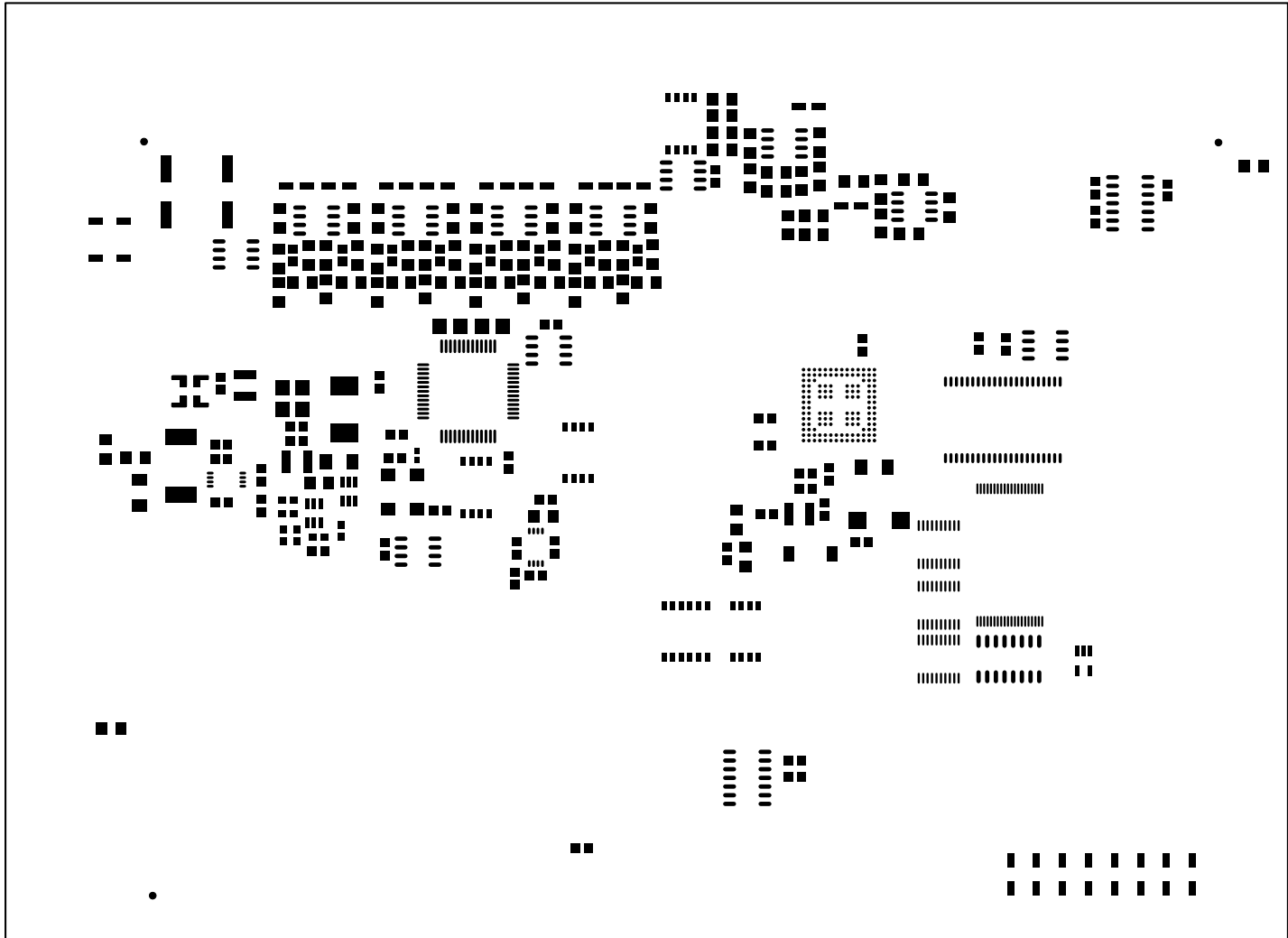
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		 20 Cotton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655	
	APPROVALS	DATE		
MATERIAL	DRAWN	06/25/07	LAYER 8 BOTTOM SIDE ADSP-21364 EZ-KIT LITE	
	CHECKED			
FINISH	ENGINEERING		SIZE B	DWG. NO. A0190-2004-REF
	QUALITY			
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1	SHEET 8 OF 14
				REV. 2.0




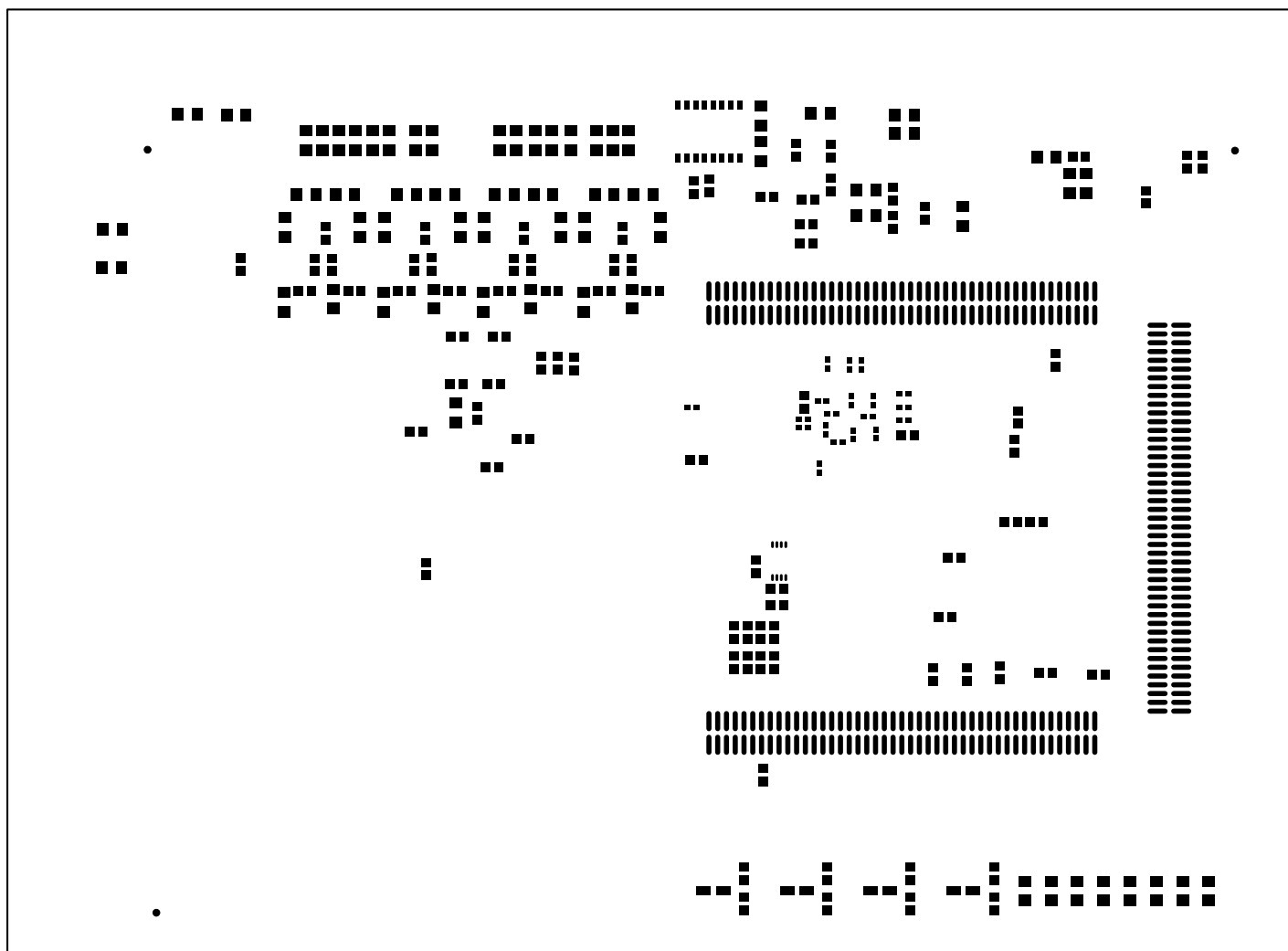
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		 20 Cotton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655	
	APPROVALS	DATE		
MATERIAL	DRAWN	06/25/07	SOLDER MASK TOP SIDE ADSP-21364 EZ-KIT LITE	
	CHECKED			
FINISH	ENGINEERING		SIZE	REV.
	QUALITY		B	2.0
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1	SHEET 9 OF 14
			DWG. NO.	A0190-2004-REF




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	APPROVALS	DATE		
MATERIAL	DRAWN	06/25/07	SOLDER MASK BOTTOM SIDE ADSP-21364 EZ-KIT LITE	
	CHECKED			
FINISH	ENGINEERING		SIZE	REV.
	QUALITY		B	2.0
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1	SHEET 10 OF 14
			DWG. NO.	A0190-2004-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	06/25/07	SOLDER PASTE TOP SIDE ADSP-21364 EZ-KIT LITE	
	CHECKED			
FINISH	ENGINEERING		SIZE B	REV. 2.0
	QUALITY		DWG. NO.	A0190-2004-REF
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1	SHEET 13 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	06/25/07	SOLDER PASTE BOTTOM SIDE ADSP-21364 EZ-KIT LITE	
	CHECKED			
FINISH	ENGINEERING		SIZE B	REV. 2.0
	QUALITY		DWG. NO.	A0190-2004-REF
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1	SHEET 14 OF 14