

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	30SEP24	D. HARRINGTON
B	REVISION PER ECR-125349	22SEP25	D. HARRINGTON
C	REVISION PER ECR-130699	08MAY26	D. HARRINGTON

ASSEMBLY NOTES:

1. BOARD ACCEPTABILITY PER ANALOG DEVICES, INC. SPECIFICATION TST00119 (LATEST REVISION).
2. REPAIRS PER IPC-7711/21(LATEST REVISION) ARE ALLOWED.
3. REPAIRS ARE NOT ALLOWED IN SOLDERMASK FREE AREAS ON EITHER SIDE OF THE BOARD.
4. SEE DETAIL A FOR D12.
5. SEE CRYSTAL OSCILLATOR PIN 1 DETAILS:

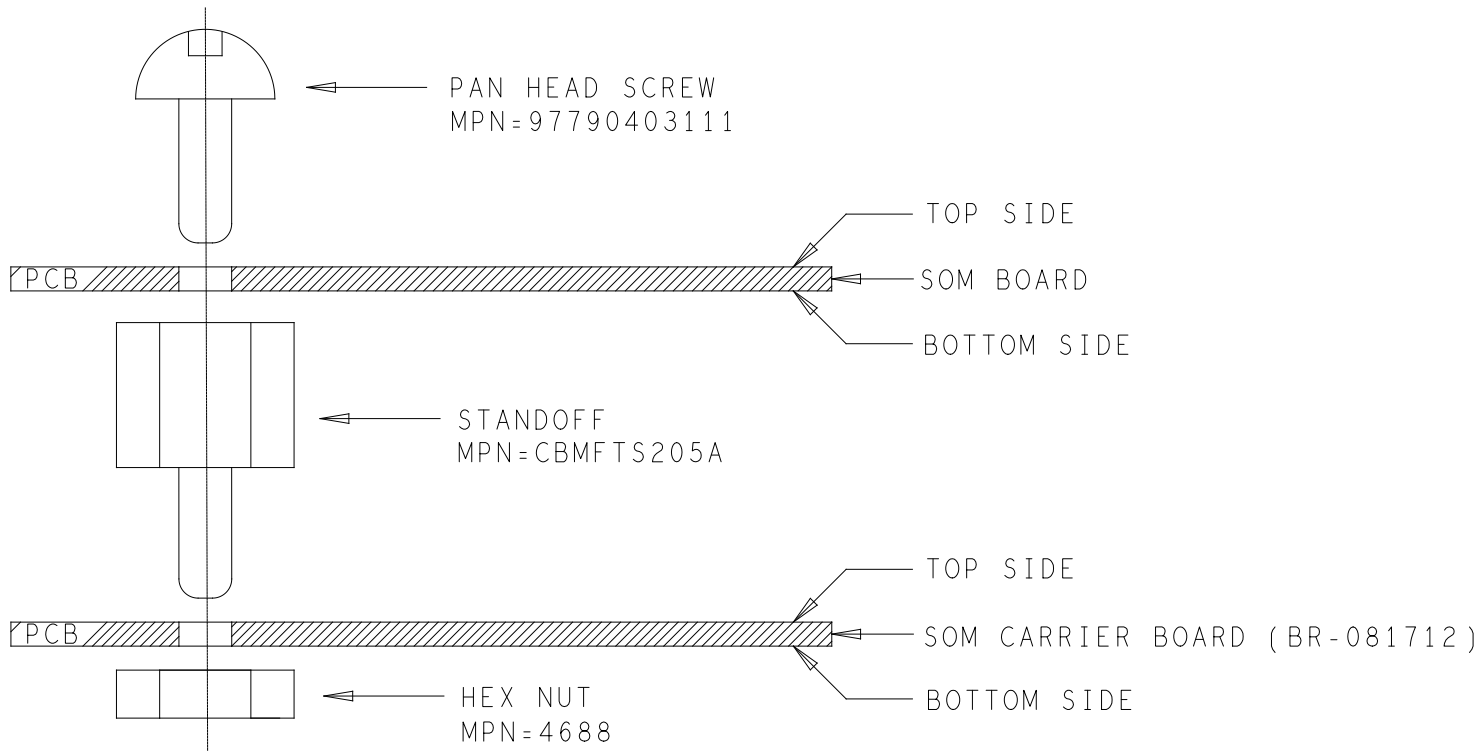
A. SEE DETAIL B FOR CRYSTALS Y1 AND Y2.

B. SEE DETAIL C FOR Y3.

C. SEE DETAIL D FOR Y6.
6. SINGULATE BOARD AFTER ASSEMBLY PROCESS
7. SMOOTHEN EDGES AND FREE FROM BURRS AFTER DEPANELIZATION PROCESS.
8. RoHS COMPLIANCE: ASSEMBLY VENDOR SHOULD ASSURE COMPLIANCE WITH LEAD-FREE AND RoHS PCB ASSEMBLY STANDARDS (EU RoHS DIRECTIVE 2002/95/EC).
9. INSTALL JUMPER SHUNTS (M000389) ON THE FOLLOWING LOCATIONS:

A. P36: PINS 1-2
10. REFER TO DETAIL E FOR THE MOUNTING DETAILS OF THE SOM BOARDS.

THE REQUIRED MOUNTING PARTS ARE LISTED IN THE PSPEC BOM.

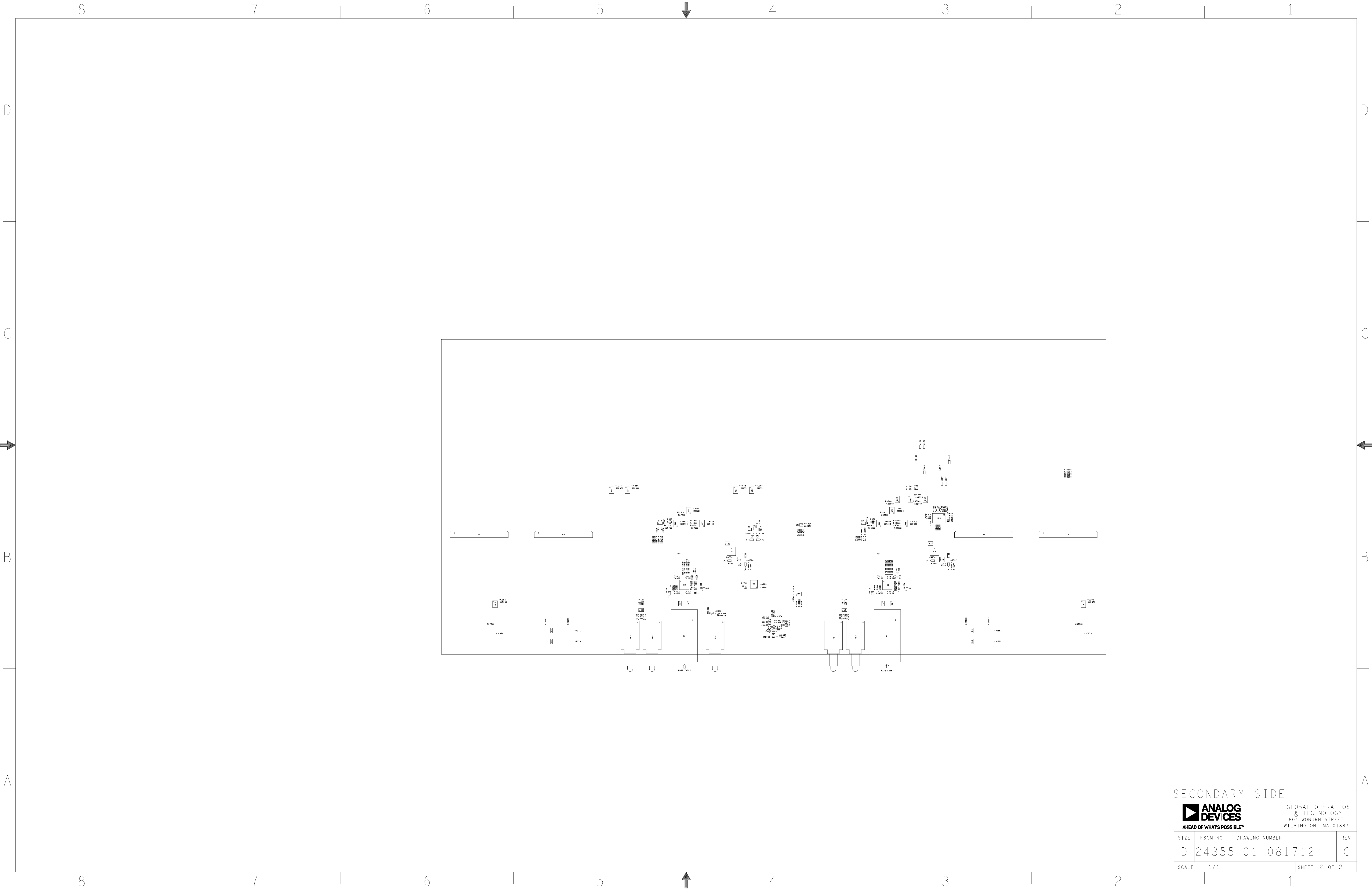


SOM_BRD_MOUNTING_ASSY_DETAILS

DETAIL E

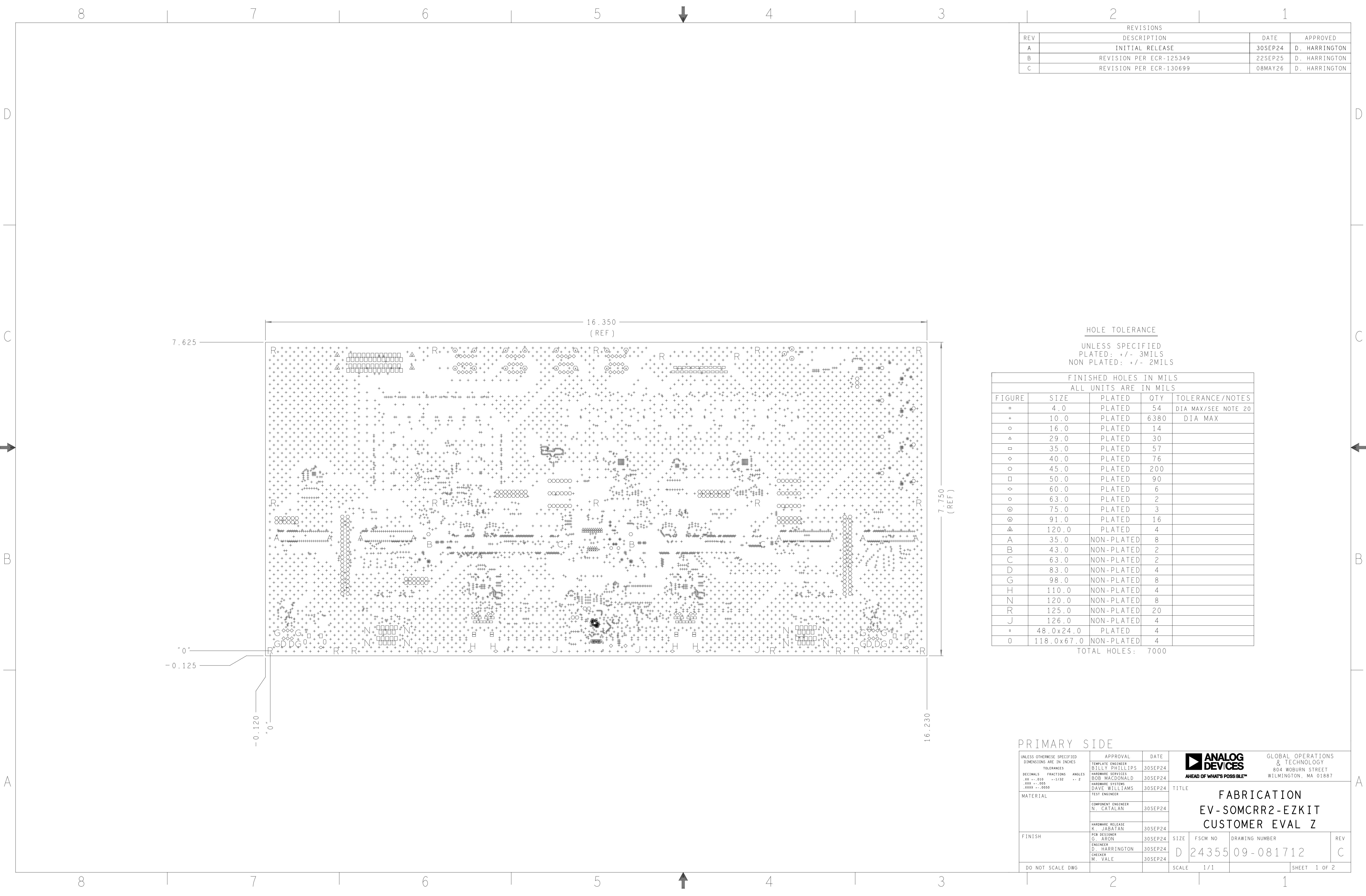
PRIMARY SIDE

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS FRACTIONS ANGLES .XX . . .010 . . .1/32 . . . 2 .XXX . . .005 .XXXX . . .0050	APPROVAL	DATE	ANALOG DEVICES AHEAD OF WHAT'S POSSIBLE™ GLOBAL OPERATIONS & TECHNOLOGY 804 WOBURN STREET WILMINGTON, MA 01887 TITLE ASSEMBLY EV-SOMCRR2-EZKIT CUSTOMER EVAL Z SIZE FSCM NO DRAWING NUMBER REV D 24355 01-081712 C			
	TEMPLATE ENGINEER BILLY PHILLIPS	30SEP24				
	HARDWARE SERVICES BOB MACDONALD	30SEP24				
	HARDWARE SYSTEMS DAVE WILLIAMS	30SEP24				
MATERIAL	TEST ENGINEER					
	COMPONENT ENGINEER N. CATALAN	30SEP24				
	HARDWARE RELEASE K. JASATYAN	30SEP24				
FINISH	PCB DESIGNER G. ARON	30SEP24				
	ENGINEER D. HARRINGTON	30SEP24				
	CHECKER M. VALE	30SEP24				
DO NOT SCALE DWG		SCALE	1/1	SHEET 1 OF 2		



SECONDARY SIDE

		GLOBAL OPERATIONS & TECHNOLOGY 804 WOBURN STREET WILMINGTON, MA 01887	
SIZE	FSCM NO	DRAWING NUMBER	REV
D	24355	01-081712	C
SCALE	1/1	SHEET 2 OF 2	



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HOLE TOLERANCE

UNLESS SPECIFIED
PLATED: +/- 3MILS
NON PLATED: +/- 2MILS

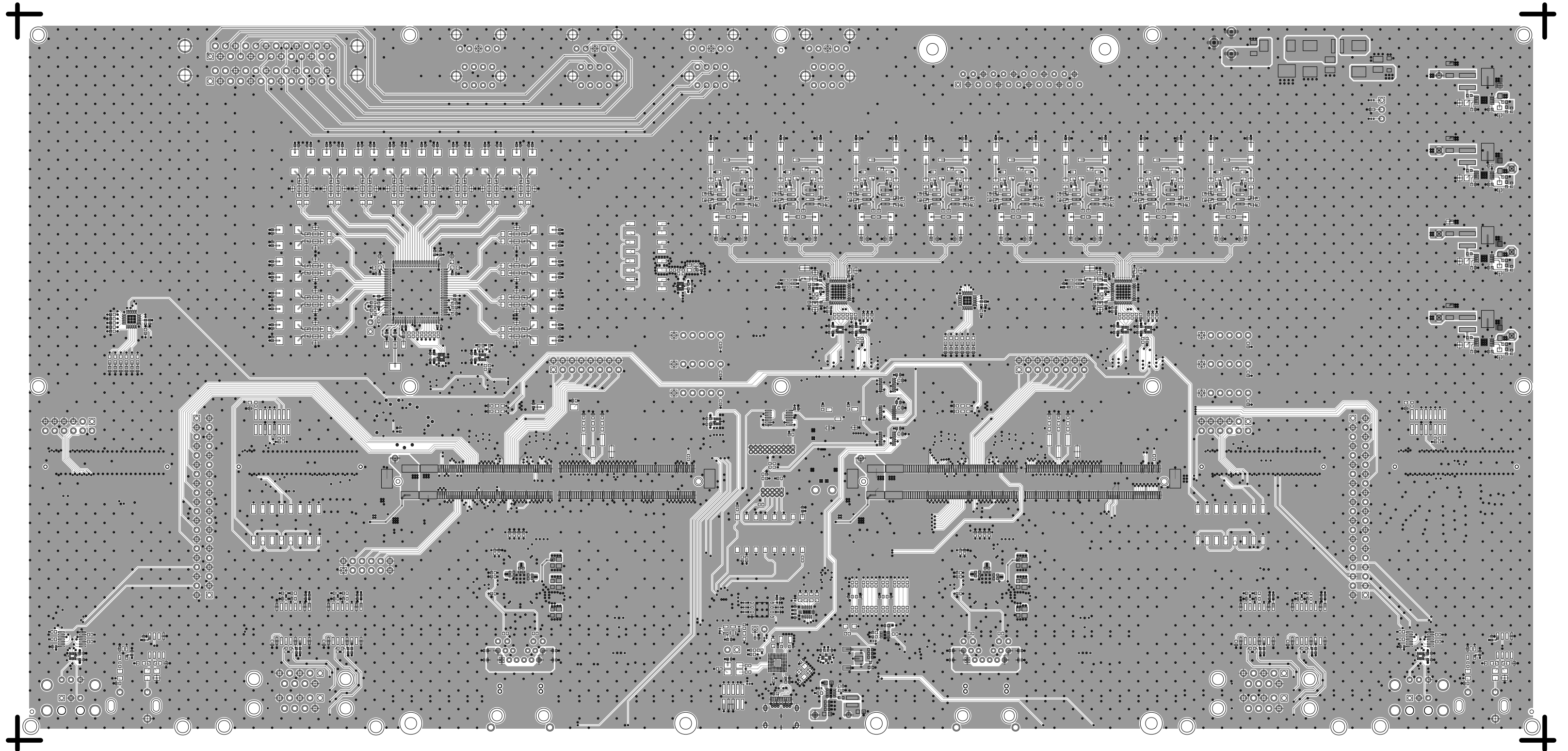
FINISHED HOLES IN MILS				
ALL UNITS ARE IN MILS				
FIGURE	SIZE	PLATED	QTY	TOLERANCE/NOTES
□	4.0	PLATED	54	DIA MAX/SEE NOTE 20
+	10.0	PLATED	6380	DIA MAX
○	16.0	PLATED	14	
△	29.0	PLATED	30	
▣	35.0	PLATED	57	
◇	40.0	PLATED	76	
◊	45.0	PLATED	200	
▤	50.0	PLATED	90	
◊	60.0	PLATED	6	
◊	63.0	PLATED	2	
⊗	75.0	PLATED	3	
⊗	91.0	PLATED	16	
△	120.0	PLATED	4	
A	35.0	NON-PLATED	8	
B	43.0	NON-PLATED	2	
C	63.0	NON-PLATED	2	
D	83.0	NON-PLATED	4	
G	98.0	NON-PLATED	8	
H	110.0	NON-PLATED	4	
N	120.0	NON-PLATED	8	
R	125.0	NON-PLATED	20	
J	126.0	NON-PLATED	4	
°	48.0x24.0	PLATED	4	
0	118.0x67.0	NON-PLATED	4	

TOTAL HOLES: 7000

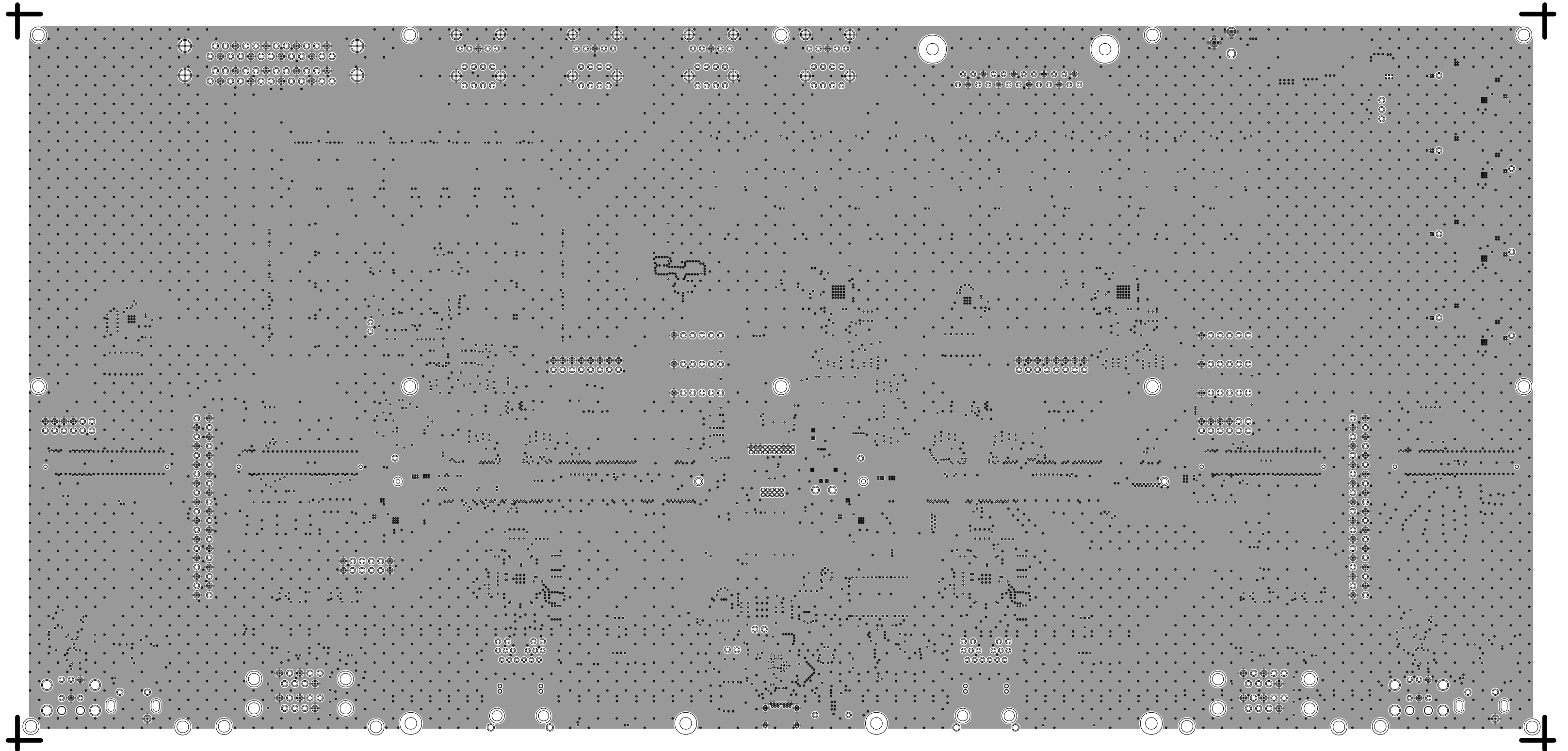
PRIMARY SIDE

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			APPROVAL		DATE	ANALOG DEVICES AHEAD OF WHAT'S POSSIBLE™ GLOBAL OPERATIONS & TECHNOLOGY 804 WOBURN STREET WILMINGTON, MA 01887		
TOLERANCES			TEMPLATE ENGINEER BILLY PHILLIPS		30SEP24			
DECIMALS	FRACTIONS	ANGLES	HARDWARE SERVICES BOB MACDONALD		30SEP24	TITLE FABRICATION EV-SOMCRR2-EZKIT CUSTOMER EVAL Z		
.XX ..010 ..1/32 ..2			HARDWARE SYSTEMS DAVE WILLIAMS		30SEP24			
MATERIAL			TEST ENGINEER			SIZE FSCM NO D 24355 DRAWING NUMBER 09-081712 REV C		
			COMPONENT ENGINEER N. CATALAN		30SEP24			
			HARDWARE RELEASE K. JABATAN		30SEP24			
			PCB DESIGNER G. ARON		30SEP24			
FINISH			ENGINEER D. HARRINGTON		30SEP24			
			CHECKER M. VALE		30SEP24			
DO NOT SCALE DWG						SCALE 1/1		SHEET 1 OF 2

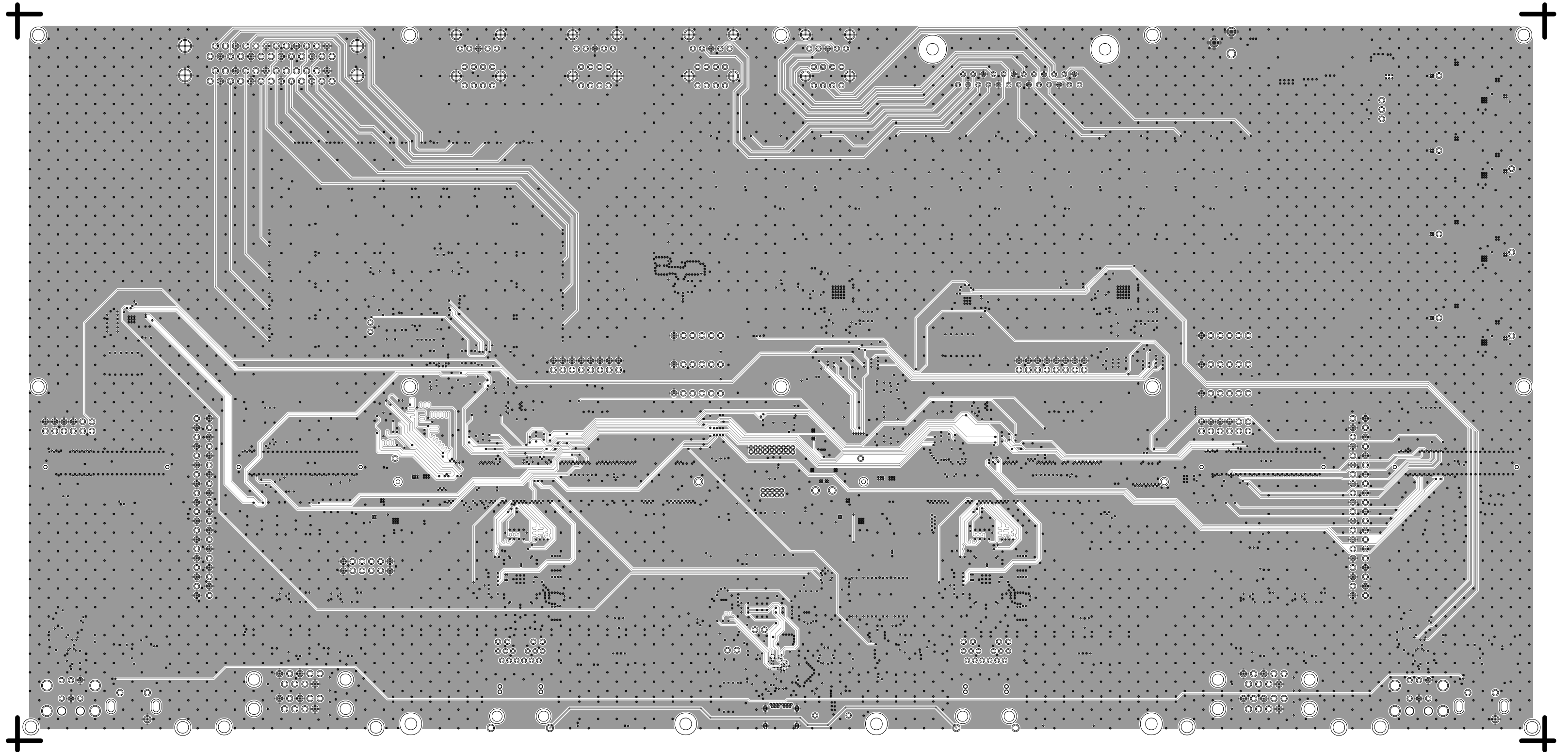
L1 PRIMARY
08-081712-01
REV C



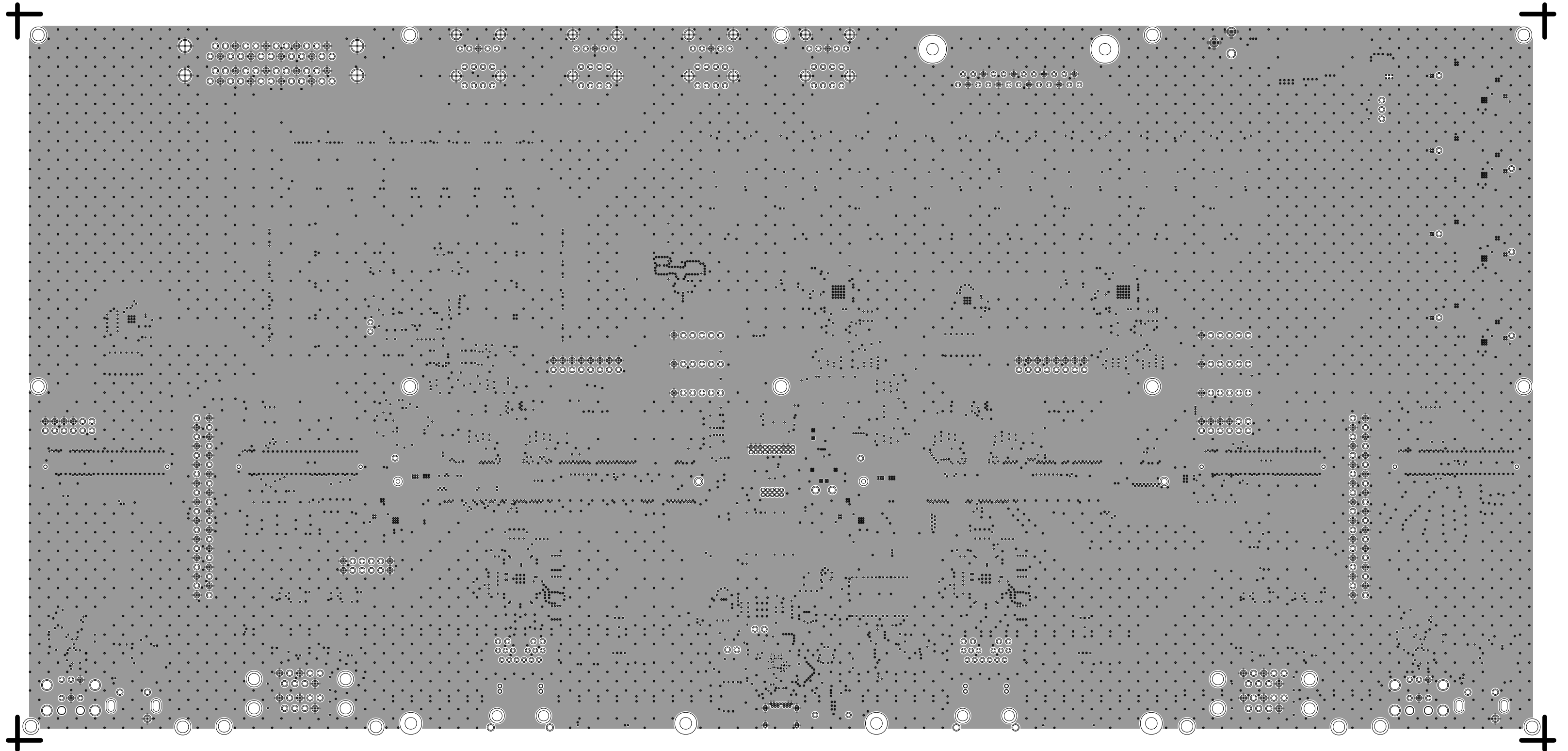
L2 GND
08-081712-07
REV C



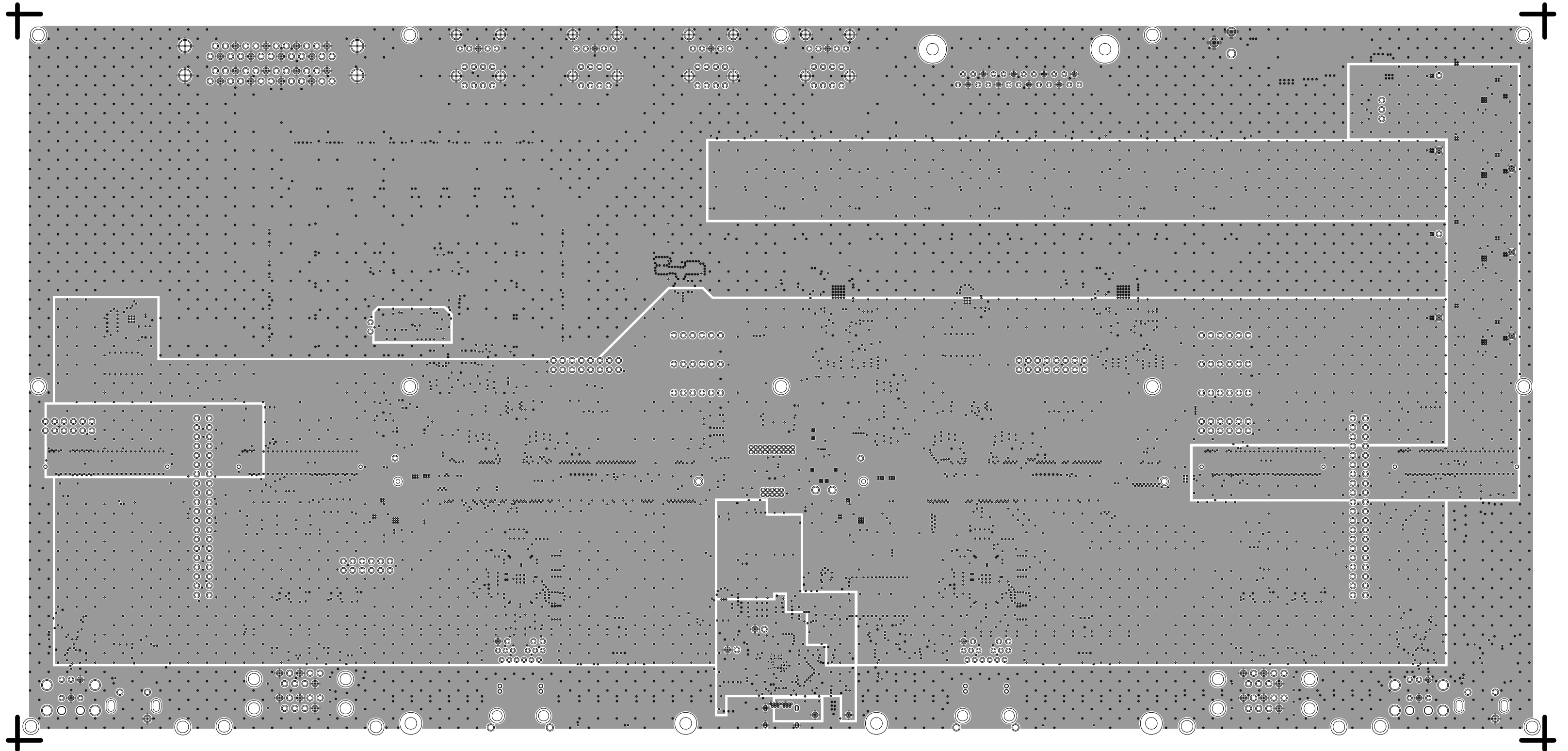
L3 SIG
08-081712-08
REV C



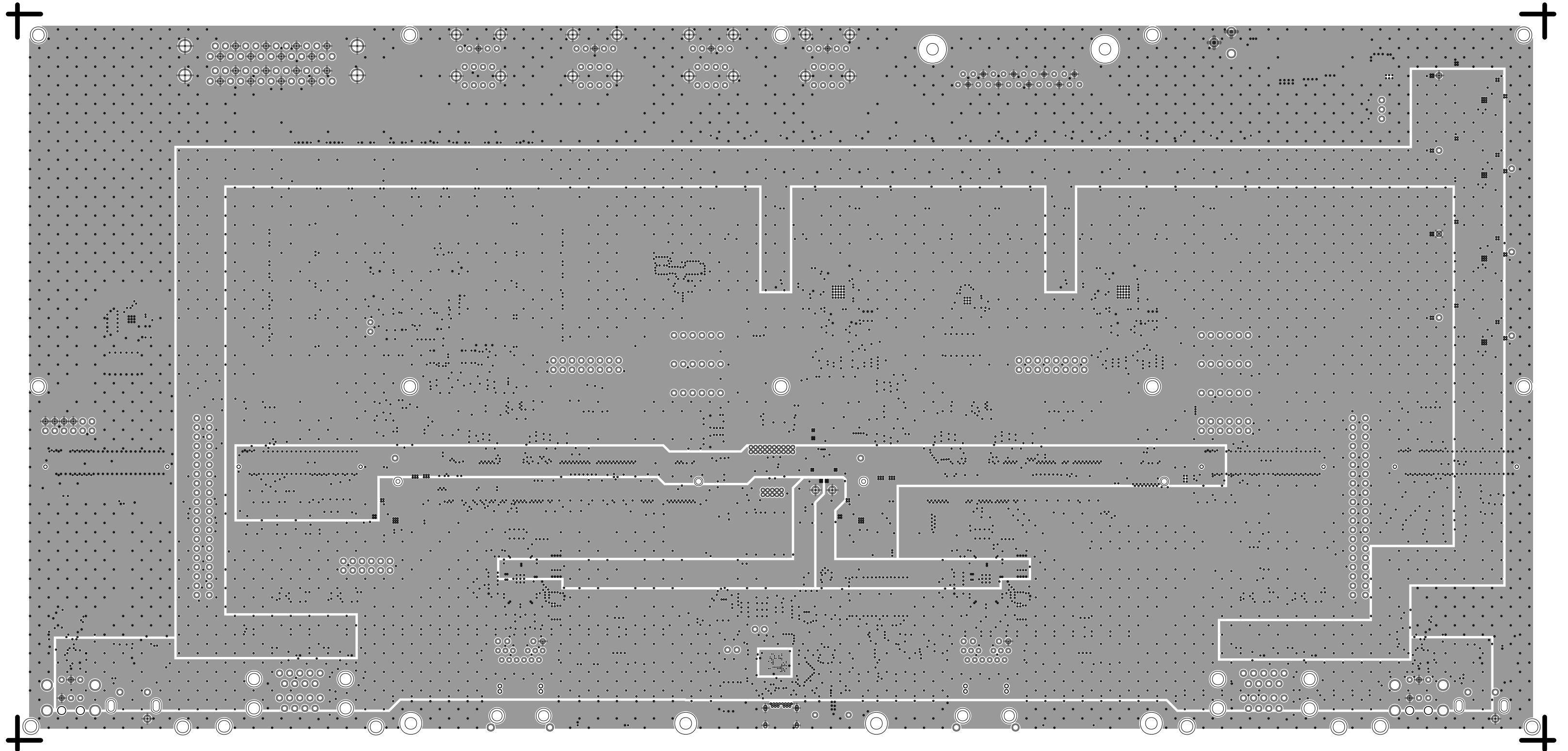
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REV C



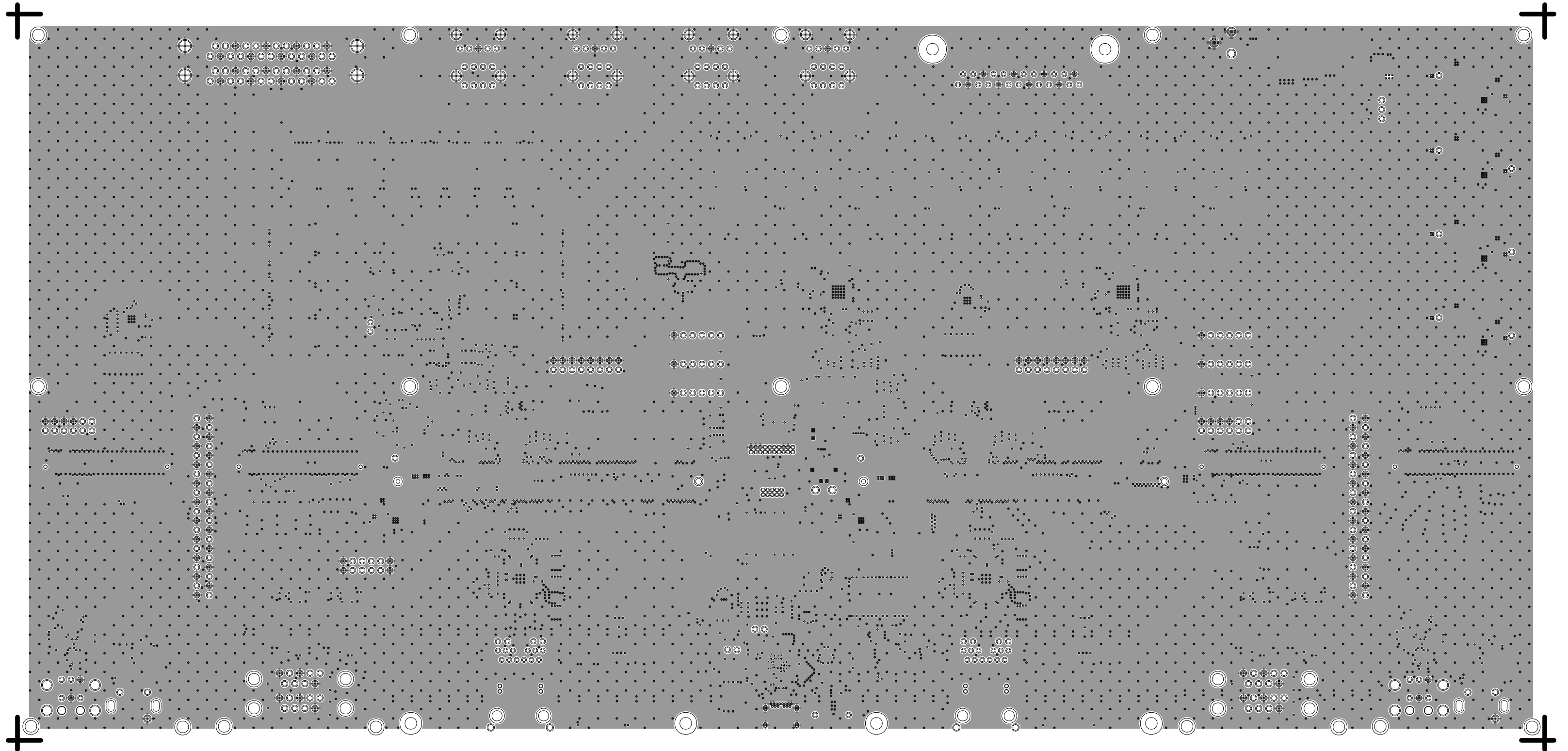
L5 PWR
08-081712-10
REV C



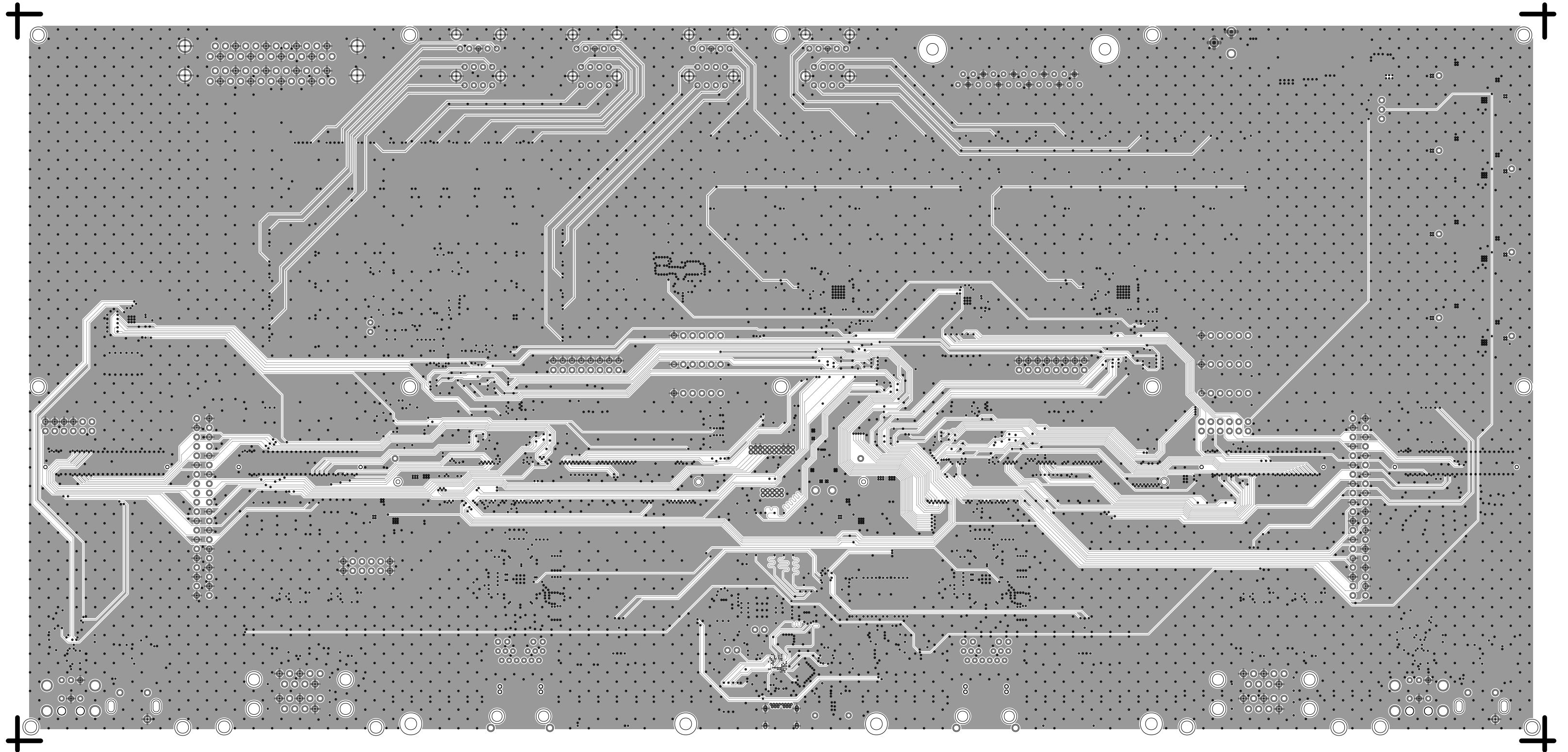
L6 PWR
08-081712-11
REV C



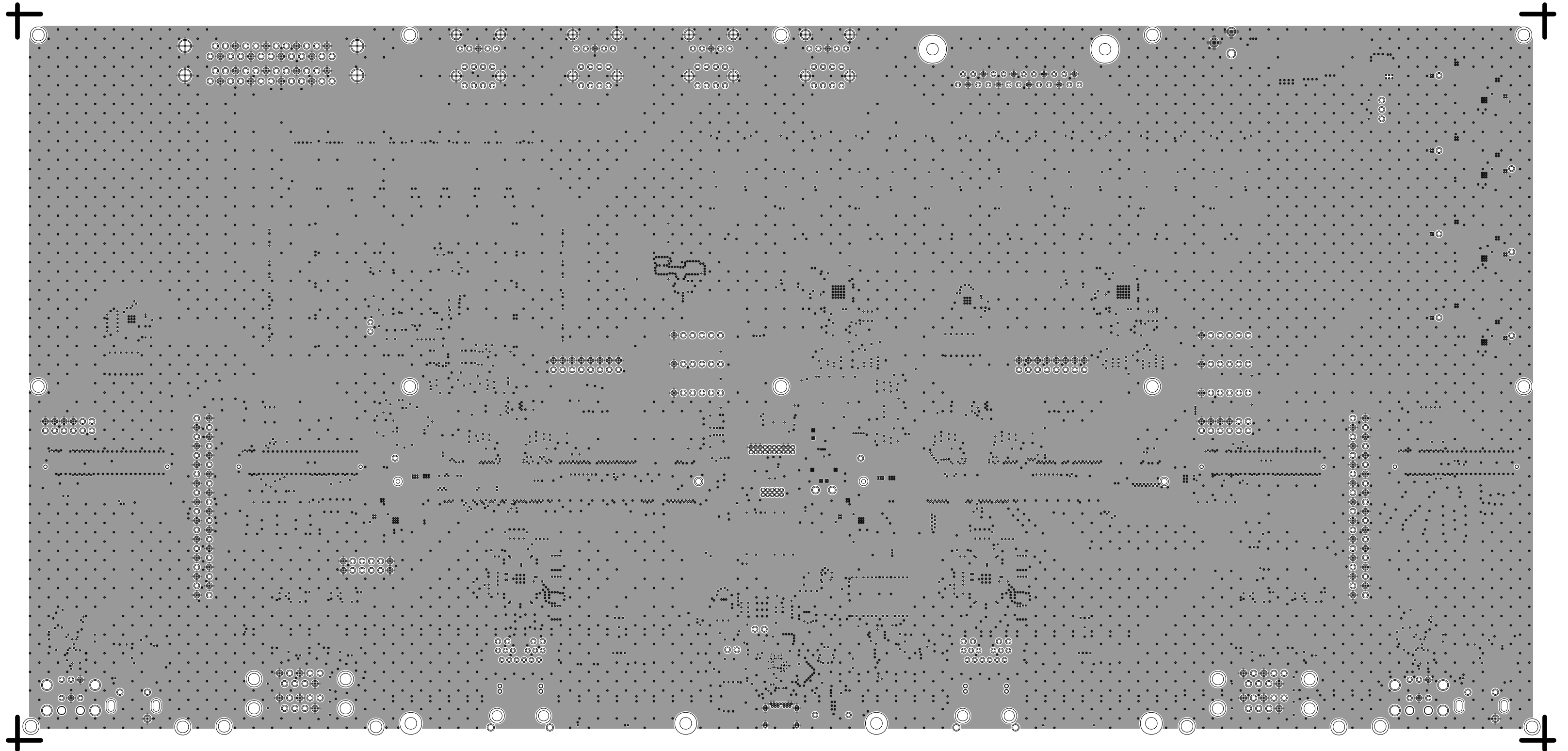
L7 GND
08-081712-12
REV C



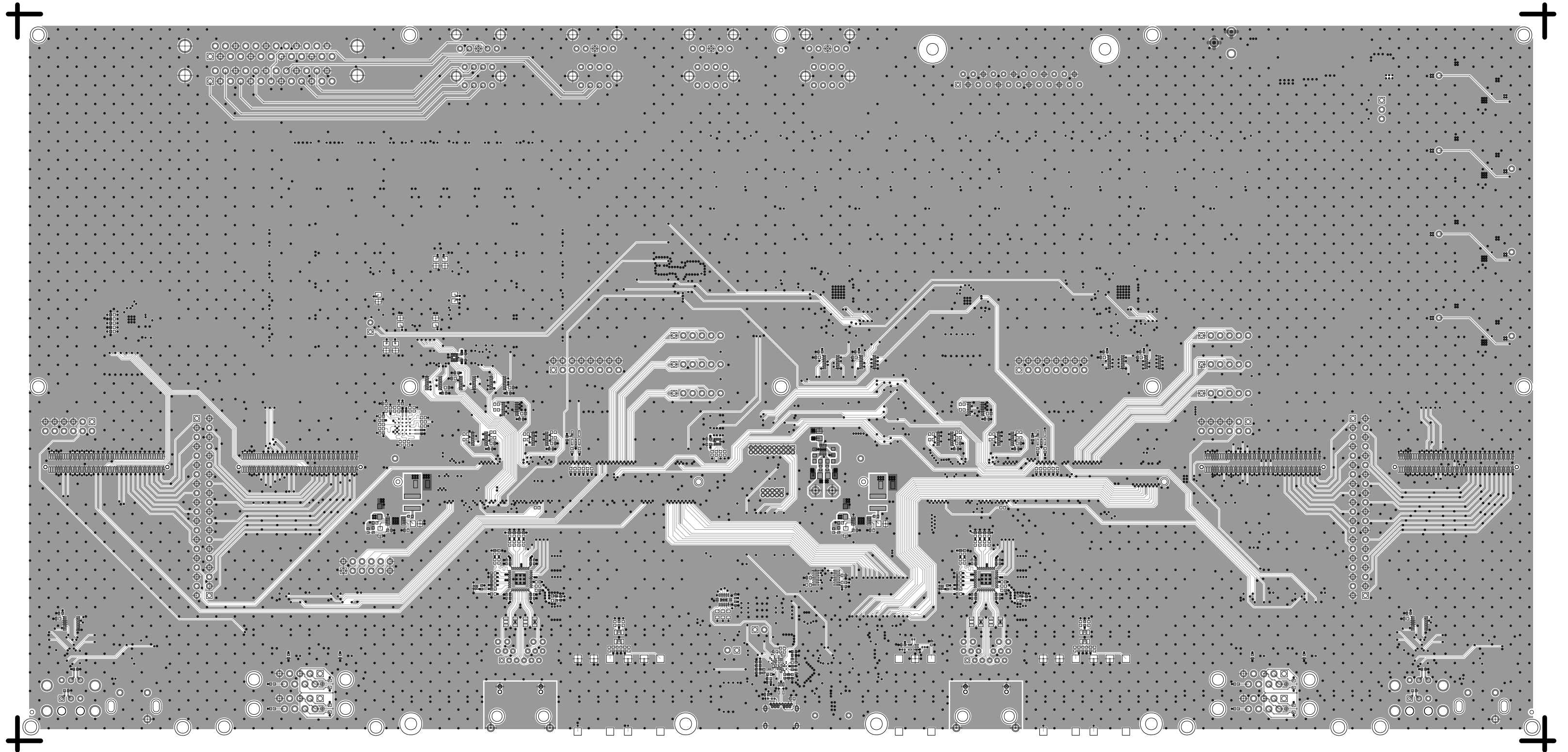
L8 SIG
08-081712-13
REV C



L9 GND
08-081712-14
REV C

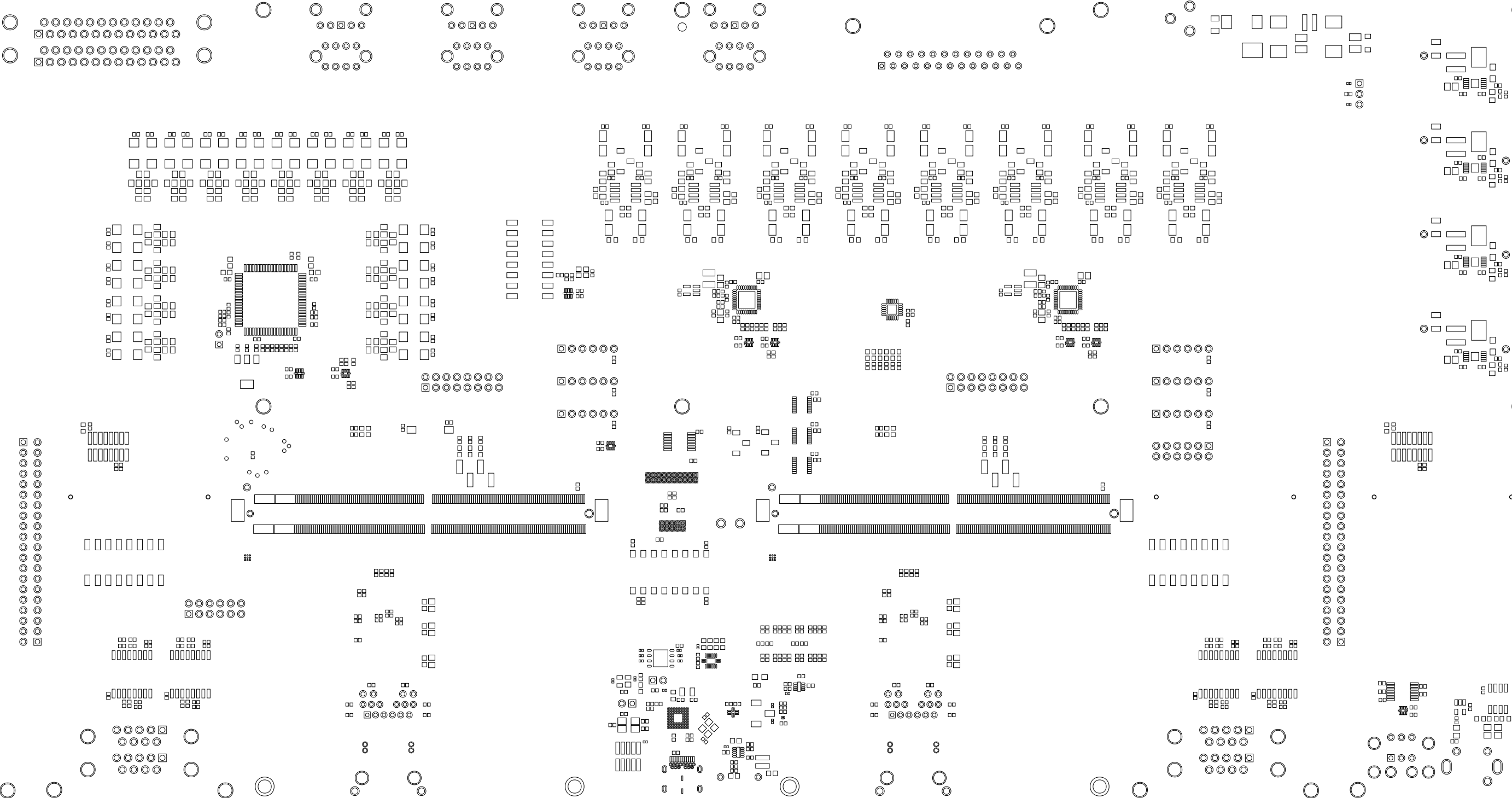


L10 SECONDARY
08-081712-02
REV C

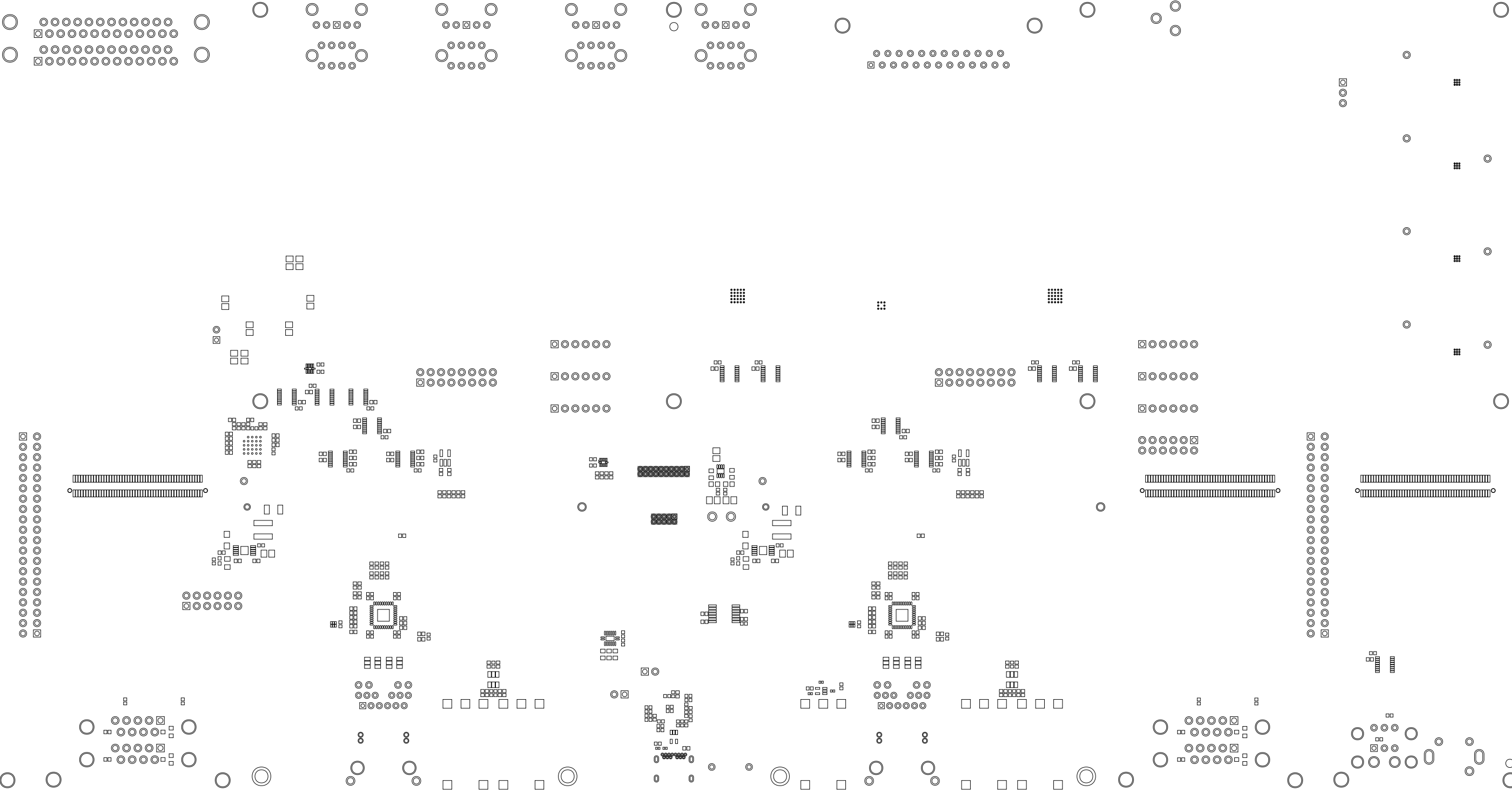




SOLDERMASK PRIMARY
08-081712-04
REV C



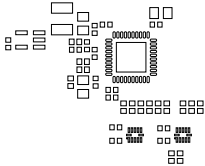
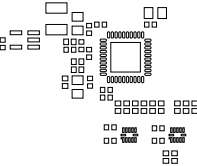
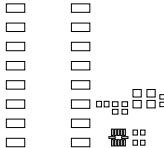
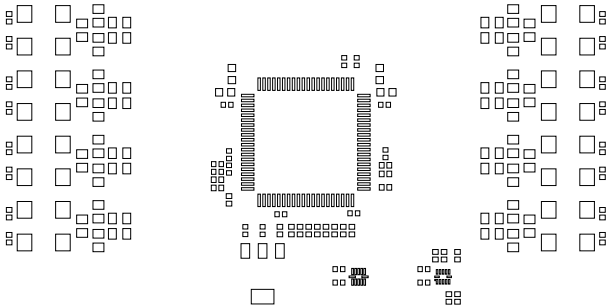
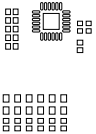
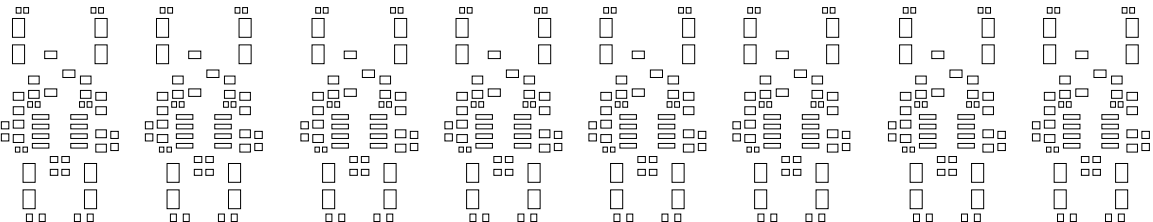
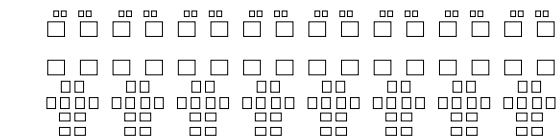
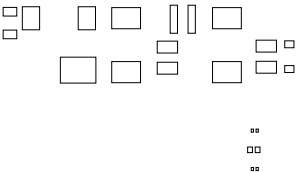
SOLDERMASK SECONDARY
08-081712-06
REV C



PASTEMASK PRIMARY
08-081712-15
REV C



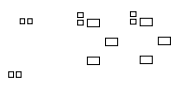
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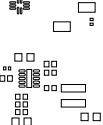
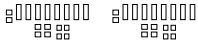
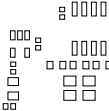
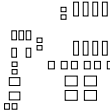
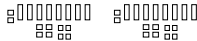
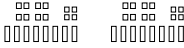
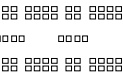
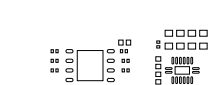
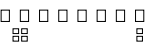
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PASTEMASK SECONDARY
08-081712-16
REV C

