

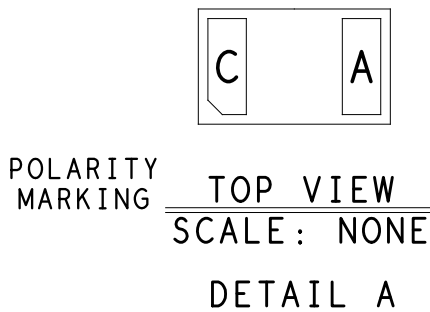
| REVISIONS | | | |
|-----------|---------------------------|---------|---------------|
| REV | DESCRIPTION | DATE | APPROVED |
| A | INITIAL RELEASE | 28MAR22 | D. HARRINGTON |
| B | CHANGES AS PER ECR-110216 | 10NOV22 | D. HARRINGTON |
| C | CHANGES AS PER ECR-113297 | 08MAR23 | D. HARRINGTON |
| D | CHANGES AS PER ECR-114185 | 11MAY23 | D. HARRINGTON |

ASSEMBLY NOTES:

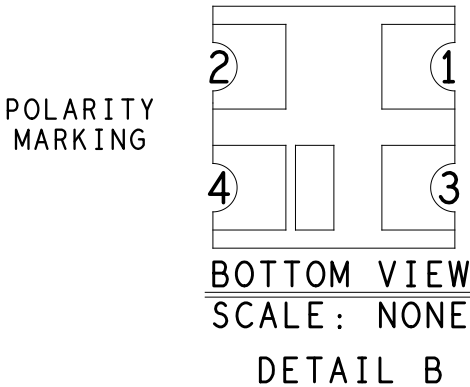
- BOARD ACCEPTABILITY PER ANALOG DEVICES, INC. SPECIFICATION TST00119 (LATEST REVISION).
- REPAIRS PER IPC-7711/21(LATEST REVISION) ARE ALLOWED.
- REPAIRS ARE NOT ALLOWED IN SOLDERMASK FREE AREAS ON EITHER SIDE OF THE BOARD.
- RoHS COMPLIANCE: ASSEMBLY VENDOR SHOULD ASSURE COMPLIANCE WITH LEAD-FREE AND RoHS PCB ASSEMBLY STANDARDS (EU RoHS DIRECTIVE 2002/95/EC).
- BOARD ASSEMBLY SPECIAL NOTES:
IN ORDER TO MINIMIZE MIC DEVICES (U30-U33) DAMAGE
 - DO NOT BOARD WASH OR CLEAN AFTER THE REFLOW PROCESS.
 - DO NOT BRUSH BOARD WITH OR WITHOUT SOLVENTS AFTER THE REFLOW PROCESS.
 - DO NOT DIRECTLY EXPOSE TO ULTRASONIC PROCESSING, WELDING, OR CLEANING.
 - DO NOT INSERT ANY OBJECT IN PORT HOLE OF DEVICE AT ANY TIME.
 - DO NOT APPLY OVER 30 PSI OF AIR PRESSURE INTO THE PORT HOLE.
 - DO NOT PULL A VACUUM OVER PORT HOLE OF THE MICROPHONE.
 - DO NOT APPLY A VACUUM WHEN REPACKING INTO SEALED BAGS AT A RATE FASTER THAN 0.5 ATM/SEC.
- SEE POLARITY MARKING GUIDE (DETAIL A) FOR D5 AND D9.
- SEE POLARITY MARKING GUIDE (DETAIL B) FOR D10.
- COMPONENT TO BE INSTALLED USING PICK AND PLACE MACHINE TO ENSURE POSITIONAL TOLERANCE OF +2/0 MIL

INSTALL SCREW (M025339) ON PRIMARY SIDE AND STANDOFF (M025474) ON THE SECONDARY SIDE.

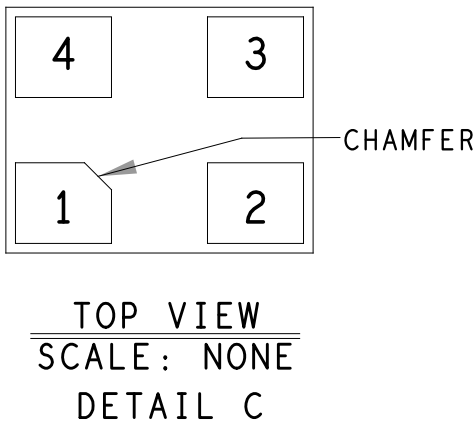
ESDA25P35-ASSY-DETAIL




598-XXXX-307F_ASSY-DETAIL



ABM8AIG-ASSY-DETAIL



PRIMARY SIDE

| | | | | | | | |
|---|--------------------------------|---------|--|---------|----------------|-------|--------|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS FRACTIONS ANGLES .XX --.010 --1/32 -- 2 .XXX --.005 .XXXX --.0050 | APPROVAL | DATE | <div><div></div><div>ANALOG DEVICES</div></div> <div>WWM DIVISION 804 WOBURN STREET WILMINGTON, MA 01887</div> <div>TITLE ASSEMBLY EV-SOMCRR-EZLITE CUSTOMER EVAL BOARD Z</div> | | | | |
| | TEMPLATE ENGINEER | | | | | | |
| | HARDWARE SERVICES M. VICEDO | 28MAR22 | | | | | |
| MATERIAL | HARDWARE SYSTEMS | | SIZE | FSCM NO | DRAWING NUMBER | REV | |
| | TEST ENGINEER | | | | | | |
| | COMPONENT ENGINEER A. GIRON | 28MAR22 | | | | | |
| | TEST PROCESS | | | | | | |
| FINISH | HARDWARE RELEASE K. JABATAN | 28MAR22 | | | | | |
| | DESIGNER M. VICEDO | 28MAR22 | | | | | |
| | PTD ENGINEER D. HARRINGTON | 28MAR22 | | | | | |
| | CHECKER | | | | | | |
| DO NOT SCALE DWG | | | SCALE | 1/1 | | SHEET | 1 OF 2 |

4

3

2

1

D

D

C

C

B

B

A

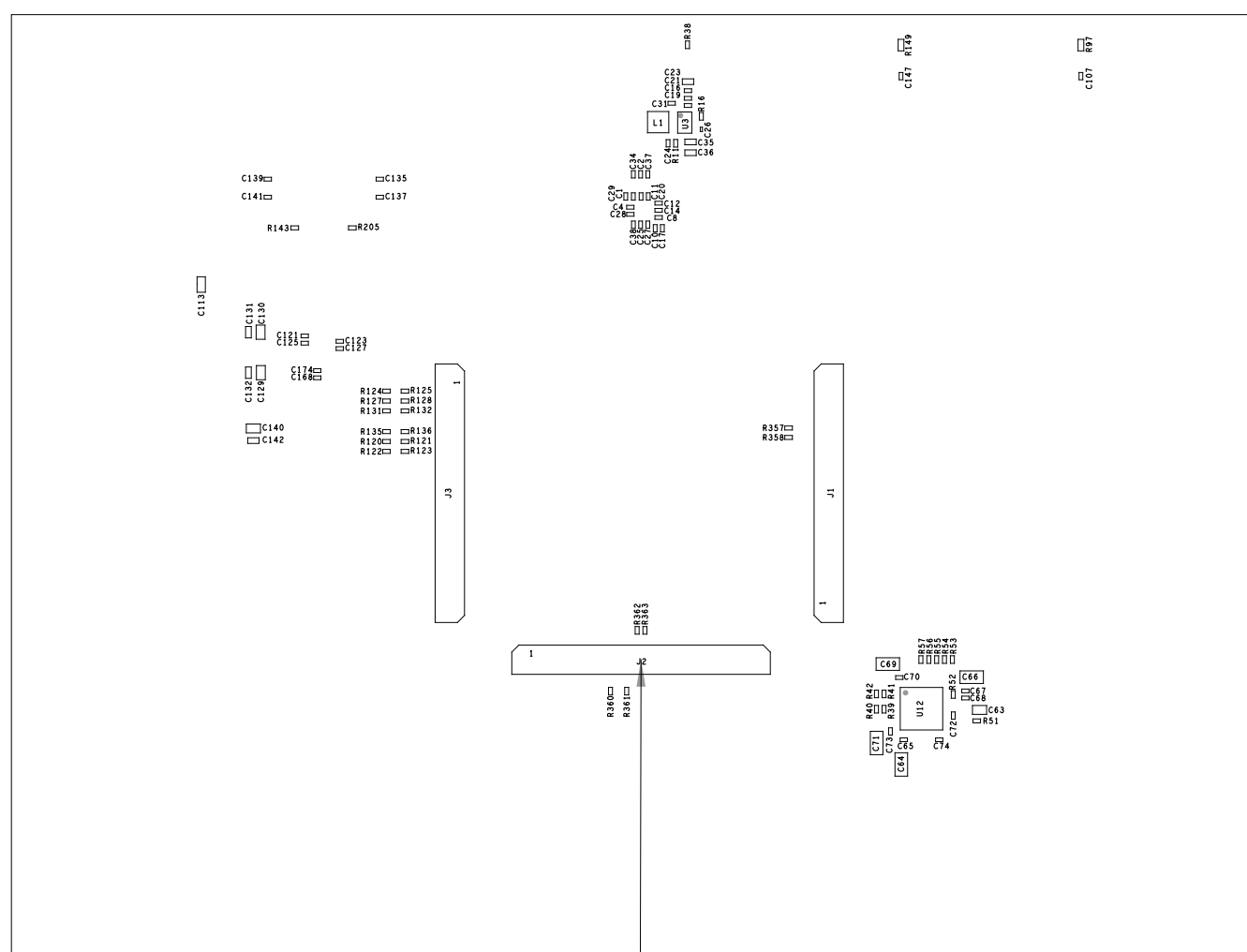
A

4

3

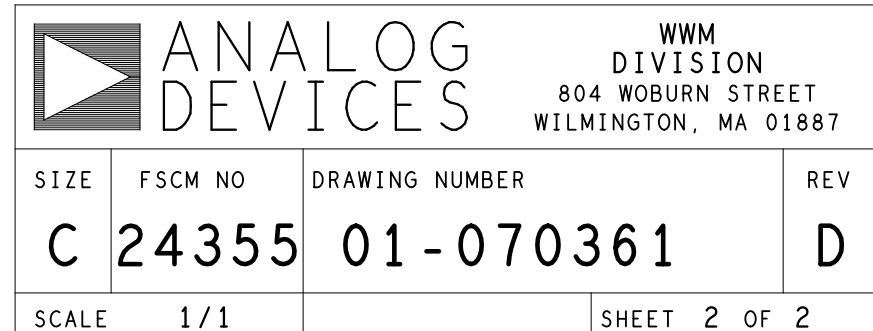
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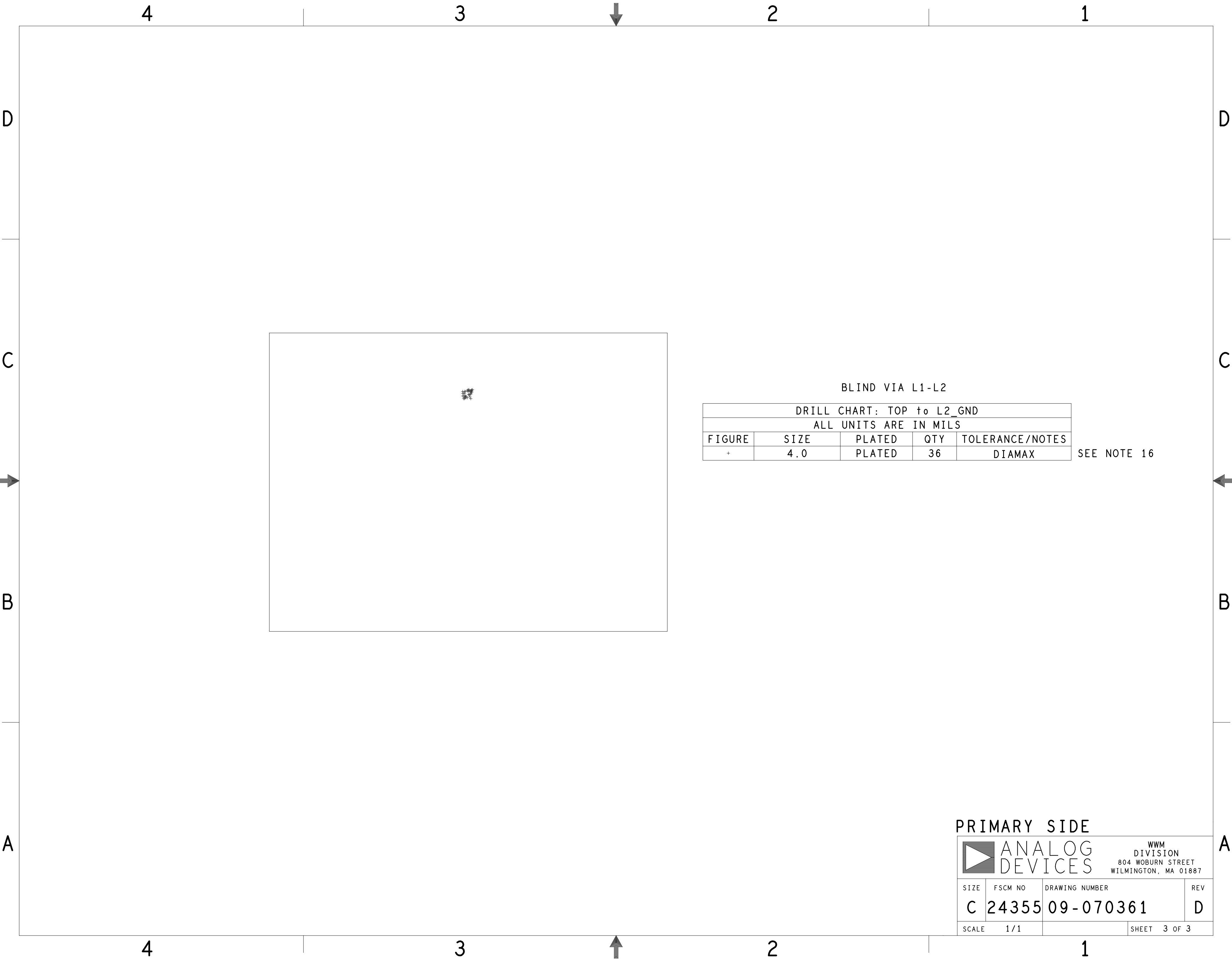
1



SEE NOTE 8 (3 PLACES)

SECONDARY SIDE



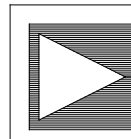


| DRILL CHART: TOP to L2_GND | | | | |
|----------------------------|------|--------|-----|-----------------|
| ALL UNITS ARE IN MILS | | | | |
| FIGURE | SIZE | PLATED | QTY | TOLERANCE/NOTES |
| + | 4.0 | PLATED | 36 | DIAMAX |

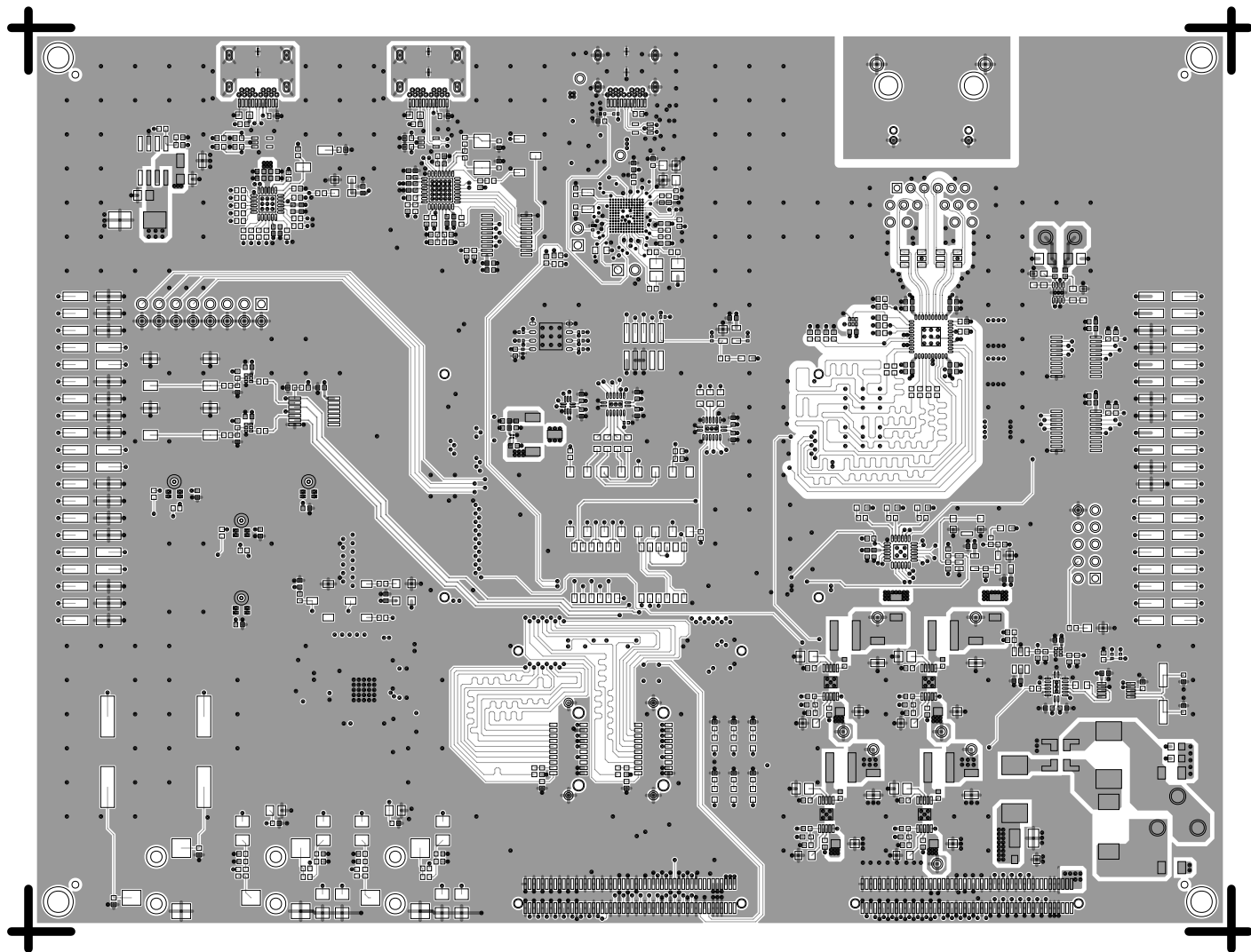
SEE NOTE 16

BLIND VIA L1-L2

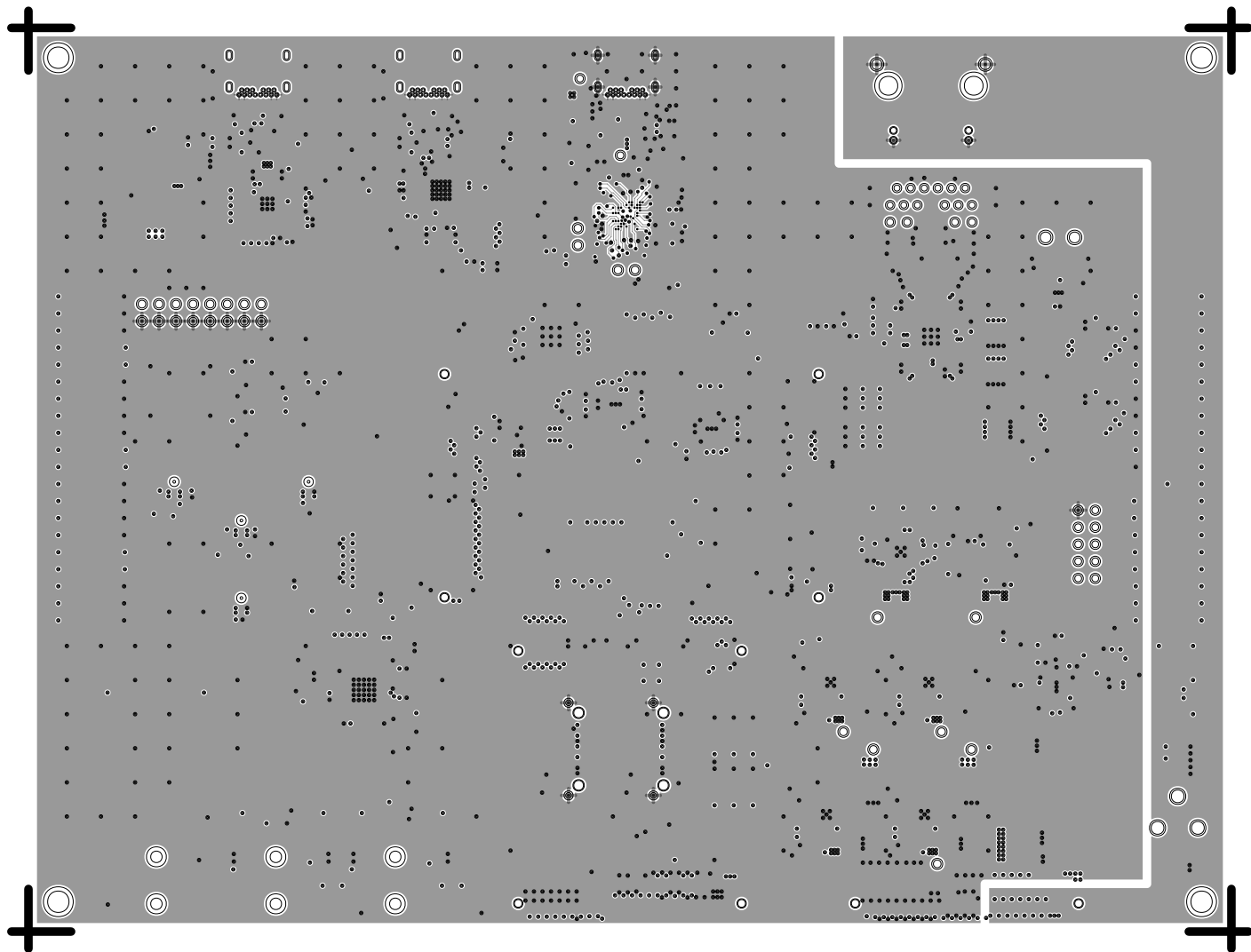
PRIMARY SIDE

| | | | | | |
|---|--|-------------------|-----------|--|-----|
|  | | ANALOG DEVICES | | WWM DIVISION 804 WOBURN STREET WILMINGTON, MA 01887 | |
| | | SIZE | FSCM NO | DRAWING NUMBER | REV |
| C | | 24355 | 09-070361 | D | |
| SCALE | | 1/1 | | SHEET 3 OF 3 | |

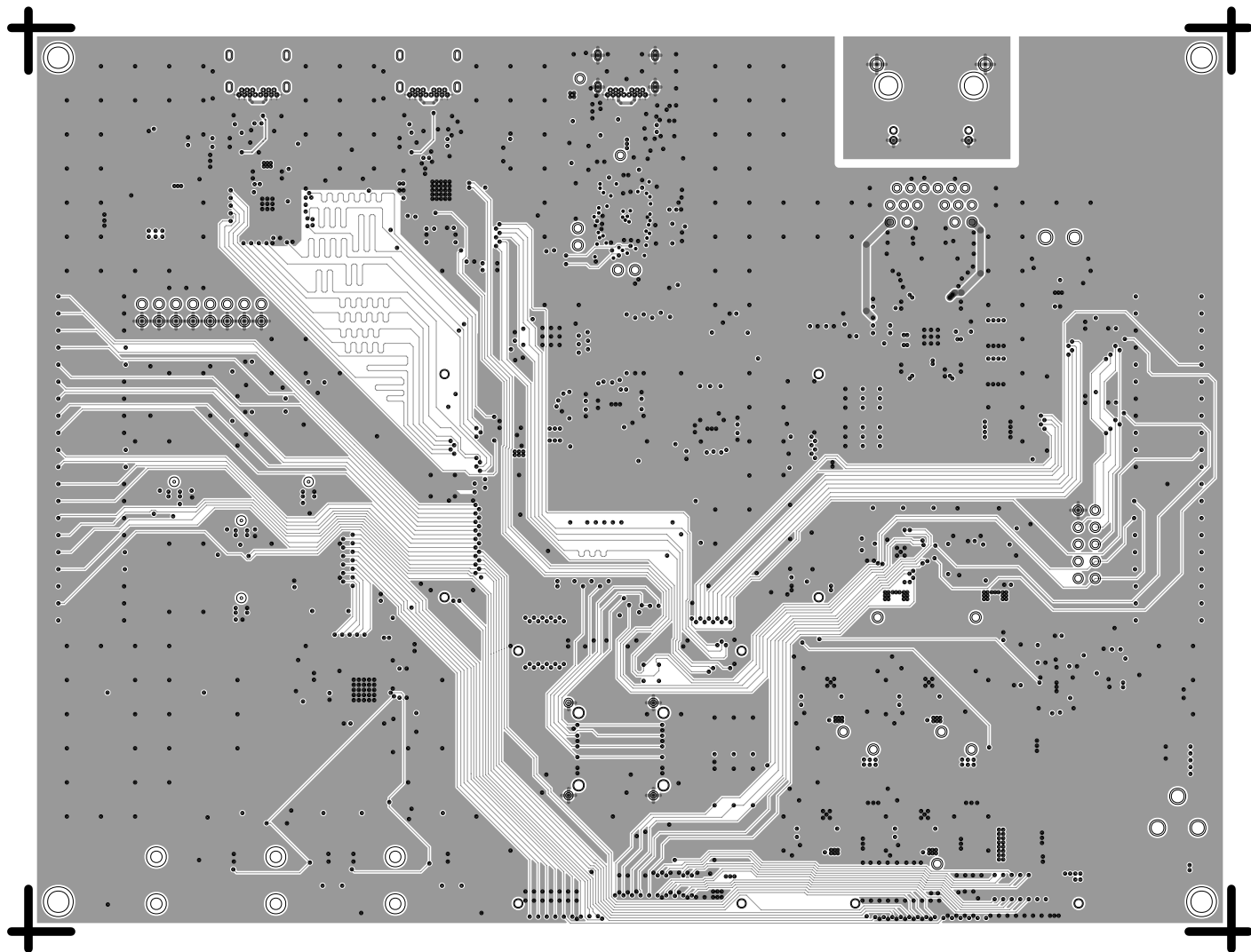
L1 PRIMARY
08-070361-01
REV D



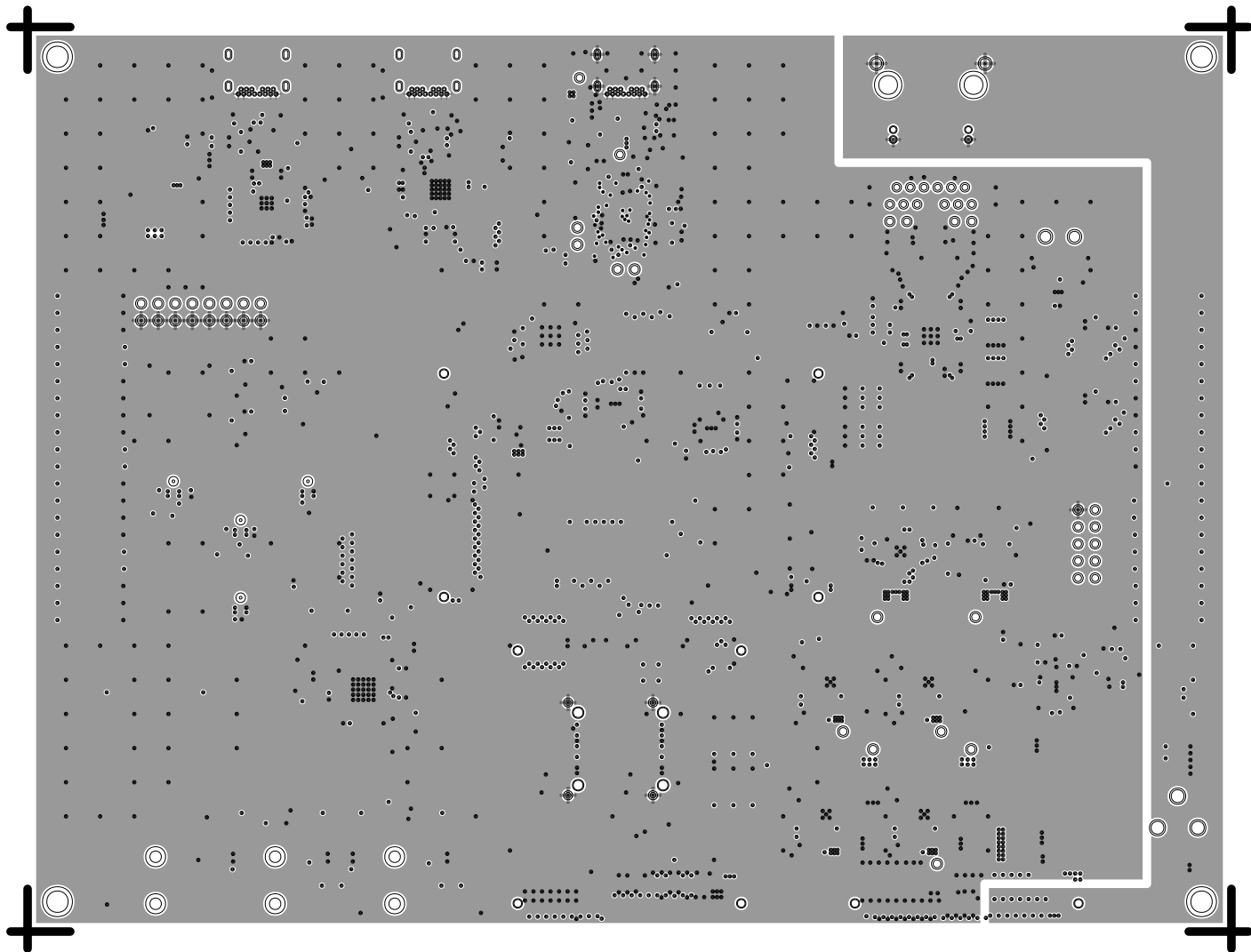
L2 GND
08-070361-07
REV D



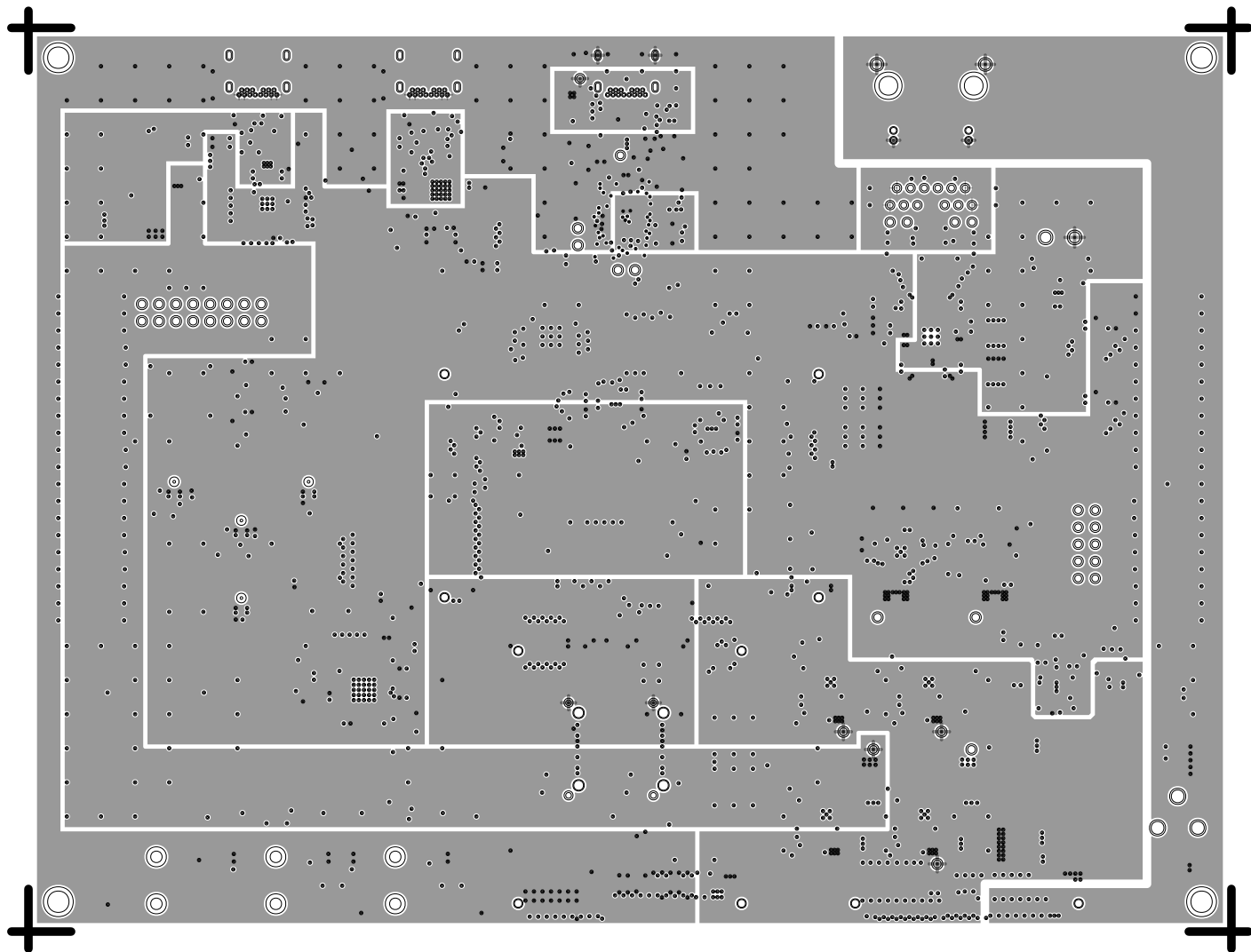
L3 SIG
08-070361-08
REV D



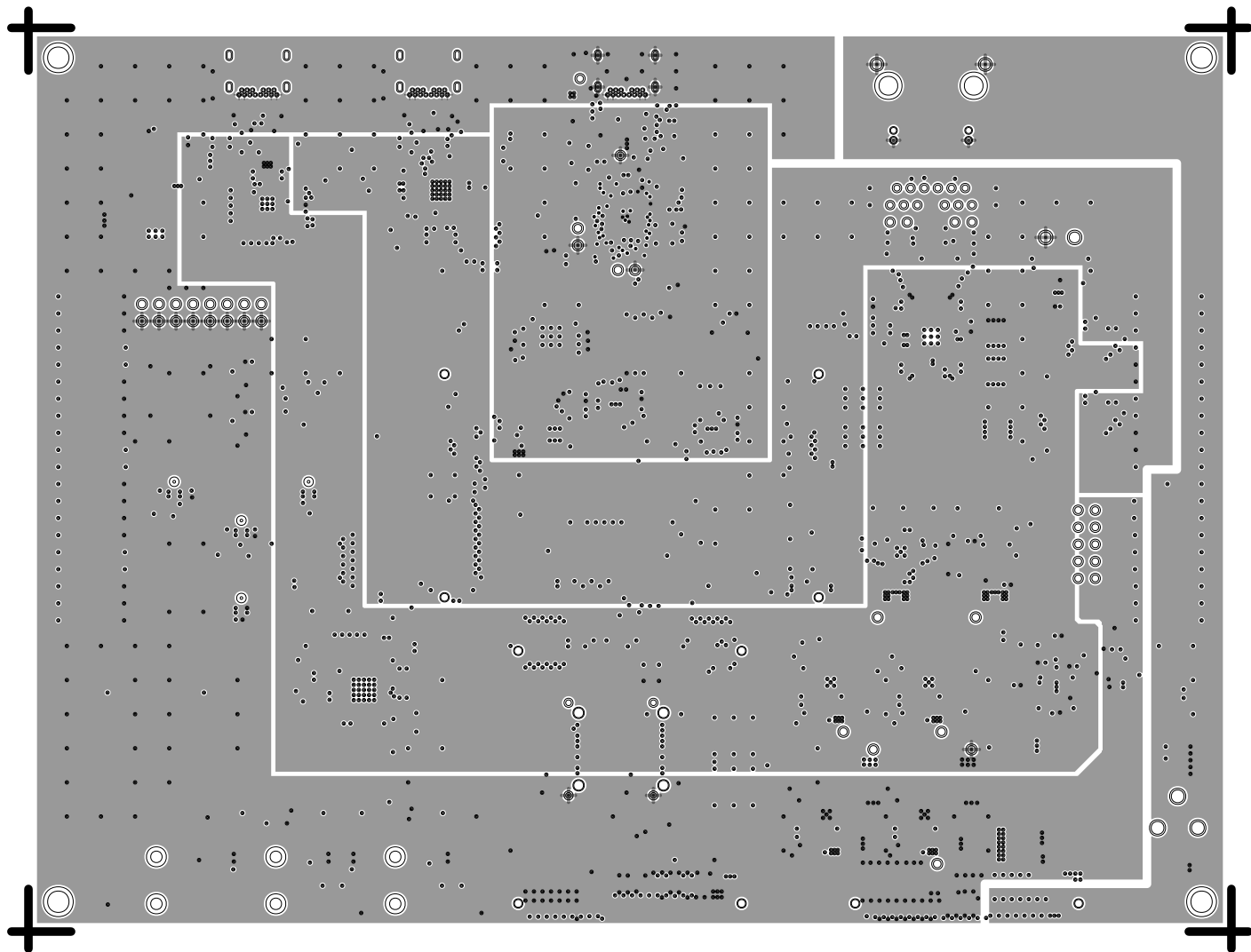
L4 GND
08-070361-09
REV D



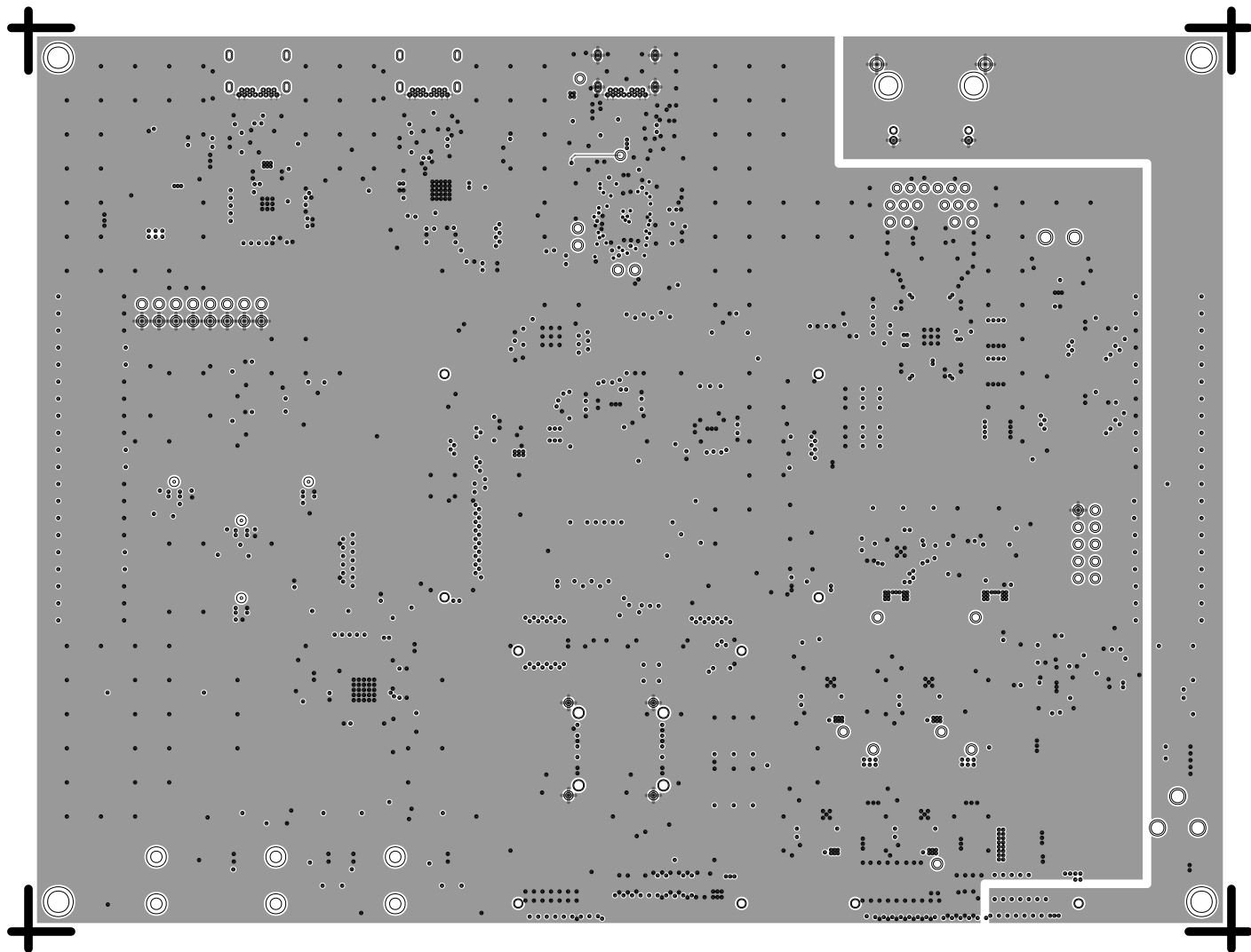
L5 PWR
08-070361-10
REV D



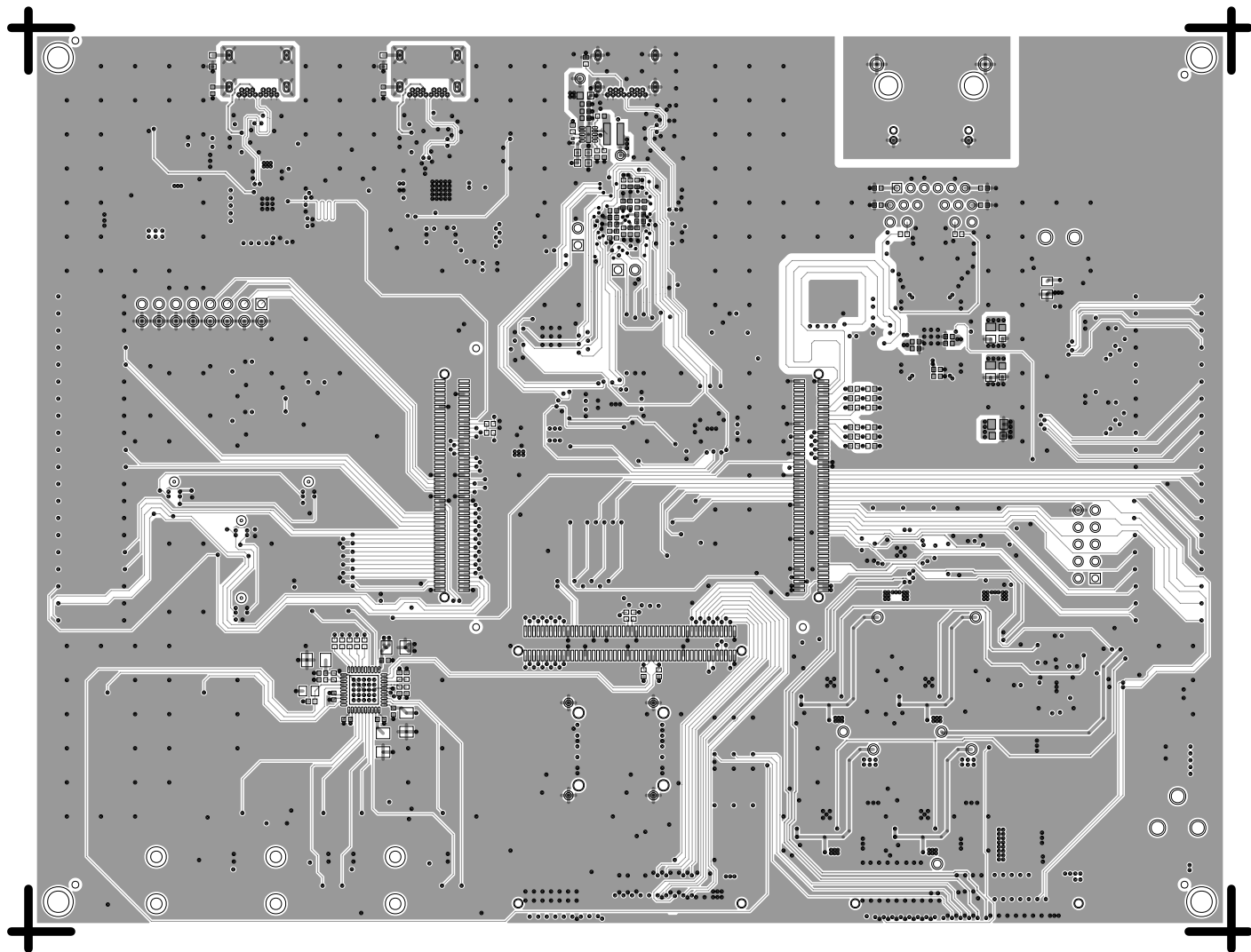
L6 SIG
08-070361-11
REV D



L7 GND
08-070361-12
REV D

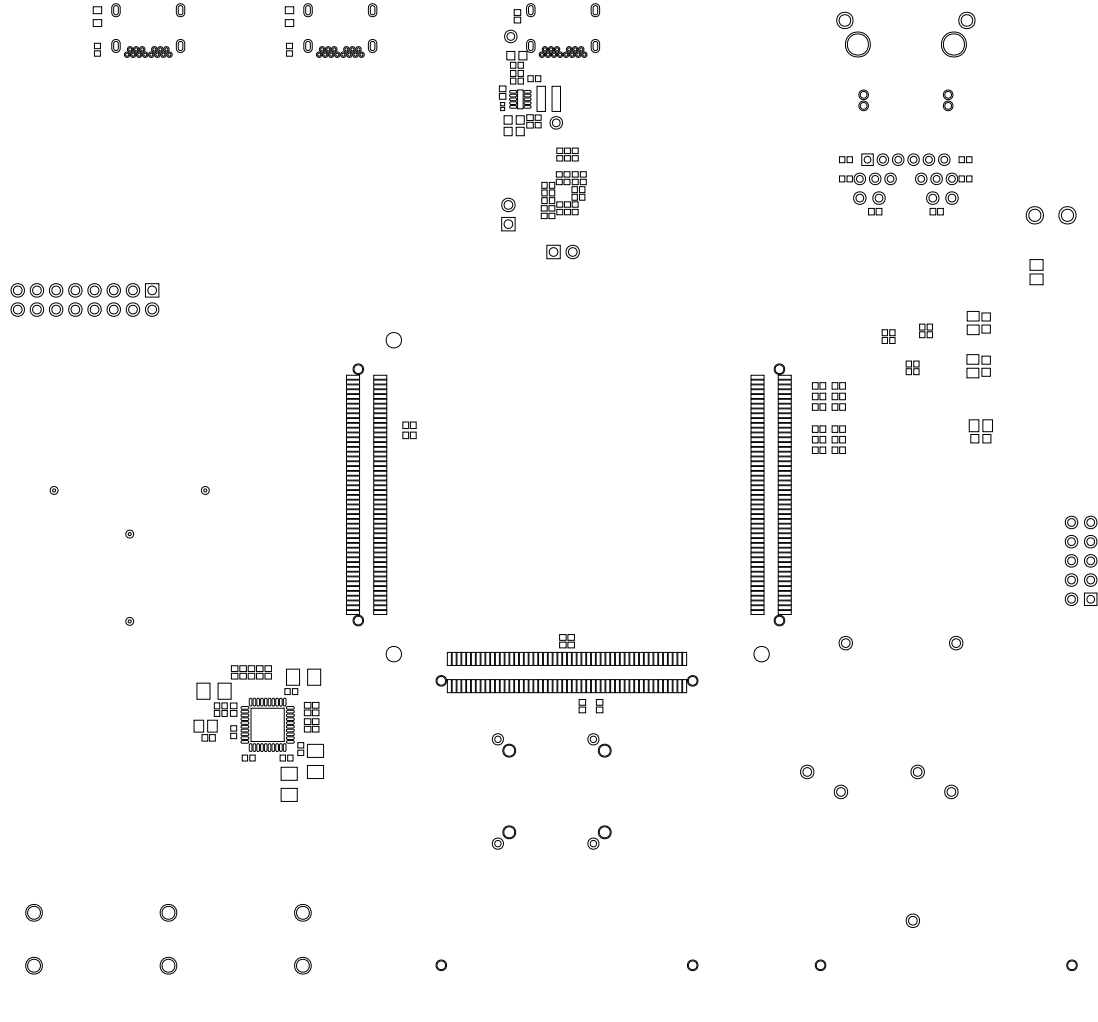


L8 SECONDARY
08-070361-02
REV D

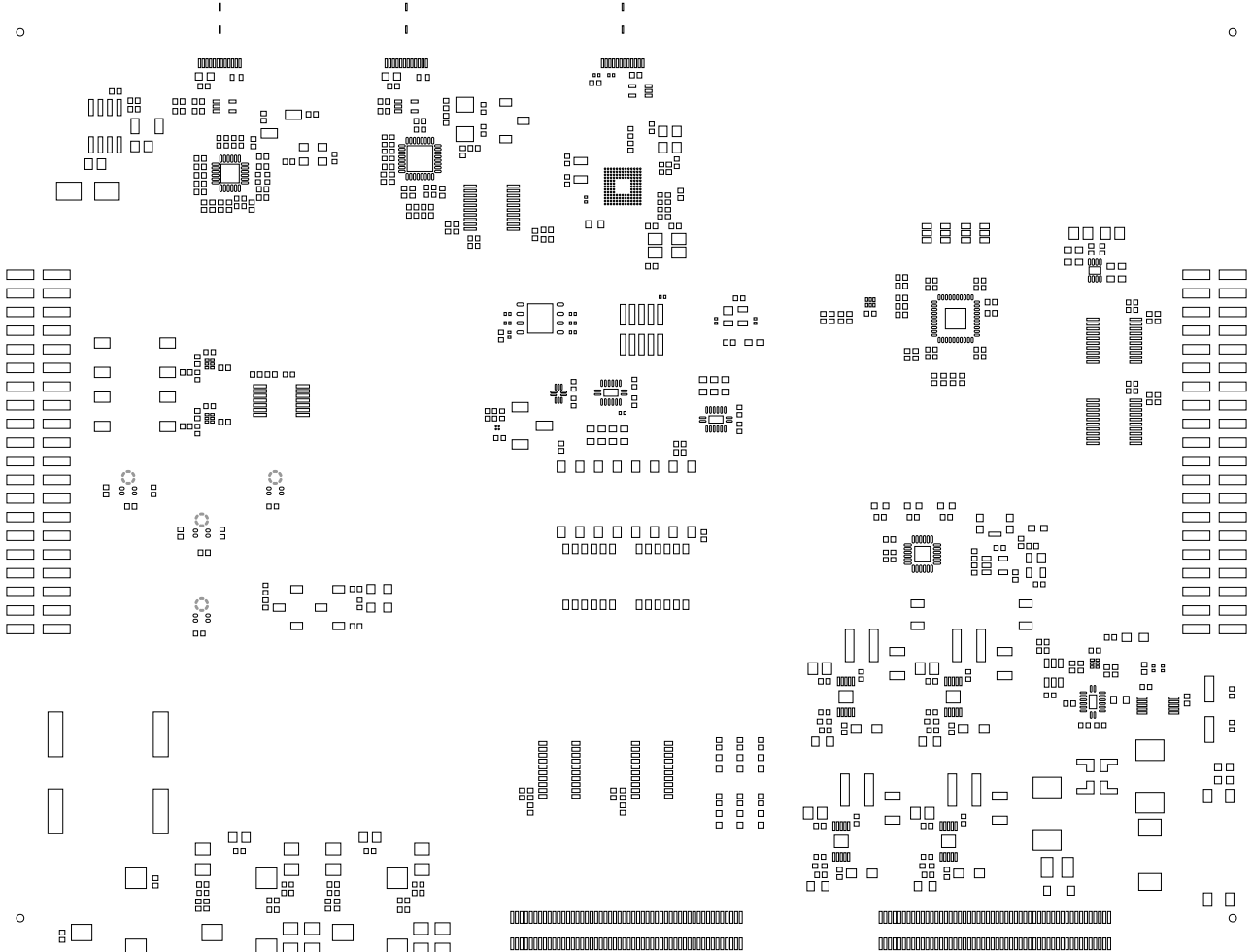




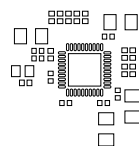
SOLDERMASK SECONDARY
08-070361-06
REV D



PASTEMASK PRIMARY
08-070361-13
REV D



PASTEMASK SECONDARY
08-070361-14
REV D



+



