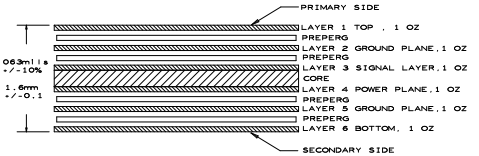
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
1	PROTO RELEASE	07/04/17	PRVE
2	ALPHA RELEASE	12/06/17	PRVE
3	BETA RELEASE	27/07/17	PRVE
4	PRODUCTION RELEASE	11/12/17	PRVE

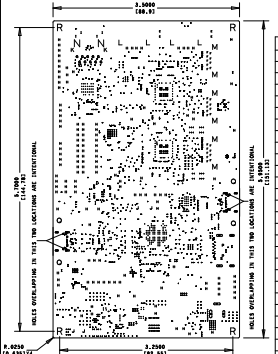


NOTE: 4.9 MIL 8.1 MIL SPACING TRACES ON LAYER 1 DIFFERENTIAL IMPEDANCE CONTROLLED TO 90 OHMS +/- 10% TESTED

NOTE: 4 MIL 8 MIL SPACING TRACES ON LAYER 1 DIFFERENTIAL IMPEDANCE CONTROLLED TO 100 OHMS +/- 10% TESTED

NOTE: 4.9 MIL 8.1 MIL SPACING TRACES ON LAYER 6 DIFFERENTIAL IMPEDANCE CONTROLLED TO 90 OHMS +/- 10% TESTED

NOTE: 4 MIL 8 MIL SPACING TRACES ON LAYER 6 DIFFERENTIAL IMPEDANCE CONTROLLED TO 100 OHMS +/- 10% TESTED



FAB

DRILL CHART: TOP to BOTTOM				
ALL UNITS ARE IN MILS				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
-	8.0	+0.0/-8.0	PLATED	239
•	8.0	+3.0/-3.0	PLATED	870
•	10.0	+0.0/-10.0	PLATED	99
•	10.0	+3.0/-3.0	PLATED	577
•	27.559	+3.0/-3.0	PLATED	6
•	30.559	+3.0/-3.0	PLATED	27
+	38.0	+3.0/-3.0	PLATED	10
+	40.0	+3.0/-3.0	PLATED	140
'	43.0	+3.0/-3.0	PLATED	4
'	51.0	+3.0/-3.0	PLATED	4
K	67.0	+3.0/-3.0	PLATED	2
L	90.94	+3.0/-3.0	PLATED	4
M	93.551	+3.0/-3.0	PLATED	6
N	130.0	+3.0/-3.0	PLATED	2
*	23.622	+2.0/-2.0	NON-PLATED	2
*	43.307	+2.0/-2.0	NON-PLATED	2
O	86.61	+2.0/-2.0	NON-PLATED	4
R	125.0	+2.0/-2.0	NON-PLATED	4
+	49.209x27.559	+3.0/-3.0	PLATED	4
=	59.059x27.559	+3.0/-3.0	PLATED	4
=	74.799x23.618	+3.0/-3.0	PLATED	4
=	84.646x37.402	+3.0/-3.0	PLATED	2
=	108.268x37.402	+3.0/-3.0	PLATED	2
8	125.0x35.0	+3.0/-3.0	PLATED	1
=	125.0x35.0	+3.0/-3.0	PLATED	1
8	145.0x45.0	+3.0/-3.0	PLATED	1
+	31.496x23.622	+2.0/-2.0	NON-PLATED	2

NOTES:(UNLESS OTHERWISE SPECIFIED)

1. RoHS COMPLIANT CERTIFICATION OR MATERIAL DECLARATION REQUIRED.
2. MATERIAL:
   A. 1541O OR EQUIVALENT. MATERIAL MUST CONFORM TO UL94V-O.
   B. USE HTE COPPER, AS SPECIFIED IN THE CROSS SECTION DIAGRAM.
   C. OVERALL METAL TO METAL THICKNESS AS SPECIFIED IN THE CROSS SECTION.
3. DRILLING:
   A. DIAMETERS IN DRILL TABLE ARE FINISHED HOLE SIZES +/-.003 tol.
      UNLESS OTHERWISE SPECIFIED IN DRILL TABLE.
   B. TEARDROP ALLOWED ON ENTRY OF VIA ON EVERY TRACE LAYER.
4. PLATING:
      COPPER PLATING IN THRU-HOLES .001 min.
5. MARKING:
   A. SILKSCREEN IN WHITE NON-CONDUCTIVE EPOXY INK ON PRIMARY SIDE OF THE
      BOARD OR BOTH SIDES IF APPLICABLE.
   B. FABRICATOR TO PLACE DATE CODE, LOGO AND RoHS COMPILANT SYMBOL IN SILKSCREEN ON SECONDARY SIDE.
6. FINAL FABRICATION:
   A. SOLDRMASK PRIMARY AND SECONDARY SIDE OF BOARD USING LIQUID PHOTOIMAGABLE
      MASK MATERIAL OVER BARE COPPER. PER IPC-SM-840. MASK ARTWORKS PROVIDED
      ARE 1:1. SOLDERMASK COLOR =BLUE== (BLUE COLOR IS INTENTIONAL)
7. FINISH:
   A. SHALL BE ELECTROLESS NIKEL / IMMERSION GOLD(ENIG).
   B. NICKEL THICKNESS: 100-200 MICROINCHES.
   C. GOLD THICKNESS: 3-10 MICROINCHES.
8. BOARDS SHALL BE PURCHASED FROM UL RECOGNIZED VENDORS ONLY.
   FLAMABILITY RATING (94-VO).
9. MANUFACTURE BOARD TO BE IN ACCORDANCE WITH PERFORMANCE STANDARD
   IPC-6011/6012 CLASS 2 BOARD TO BE INSPECTED PER IPC-600-A CLASS 2.
10. MAXIMUM WRAP OR TWIST SHALL NOT EXCEED .007 in/in.
11. TESTING:
   A. FABRICATOR TO ADD TEST STRUCTURES OR CUPONS AS NEEDED.
   B. T-LINE IMPEDENCE TO BE TESTED OR GUARANTEE WITHIN 10% IF SPECIFIED IN
      THE CROSS SECTION. TOLERANCE TO BE +/-10% UNLESS OTHERWISE SPECIFIED.
12. ENSURE ALL THE VIA HOLES ARE FILLED WITH SOLDER MASK TO ENSURE GOOD QUALITY OF SILK SCREEN PRINT.
13. CARE MUST BE TAKEN TO AVOID OVER ETCHING OF COPPER ON PADS.
14. CONDUCTIVE FILLING IS REQUIRED FOR VIAS WHICH ARE PRESENT UNDER THE FOLLOWING COMPONENTS
    SUCH AS U7 TO U13,U15 TO U17, U19 TO U22, U25, U26, Q1 TO Q4

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON: ANGLES +/- 2°
2 PL DECIMALS +/- .010
3 PL DECIMALS +/- .005
THIRD ANGLE PROJECTIONS

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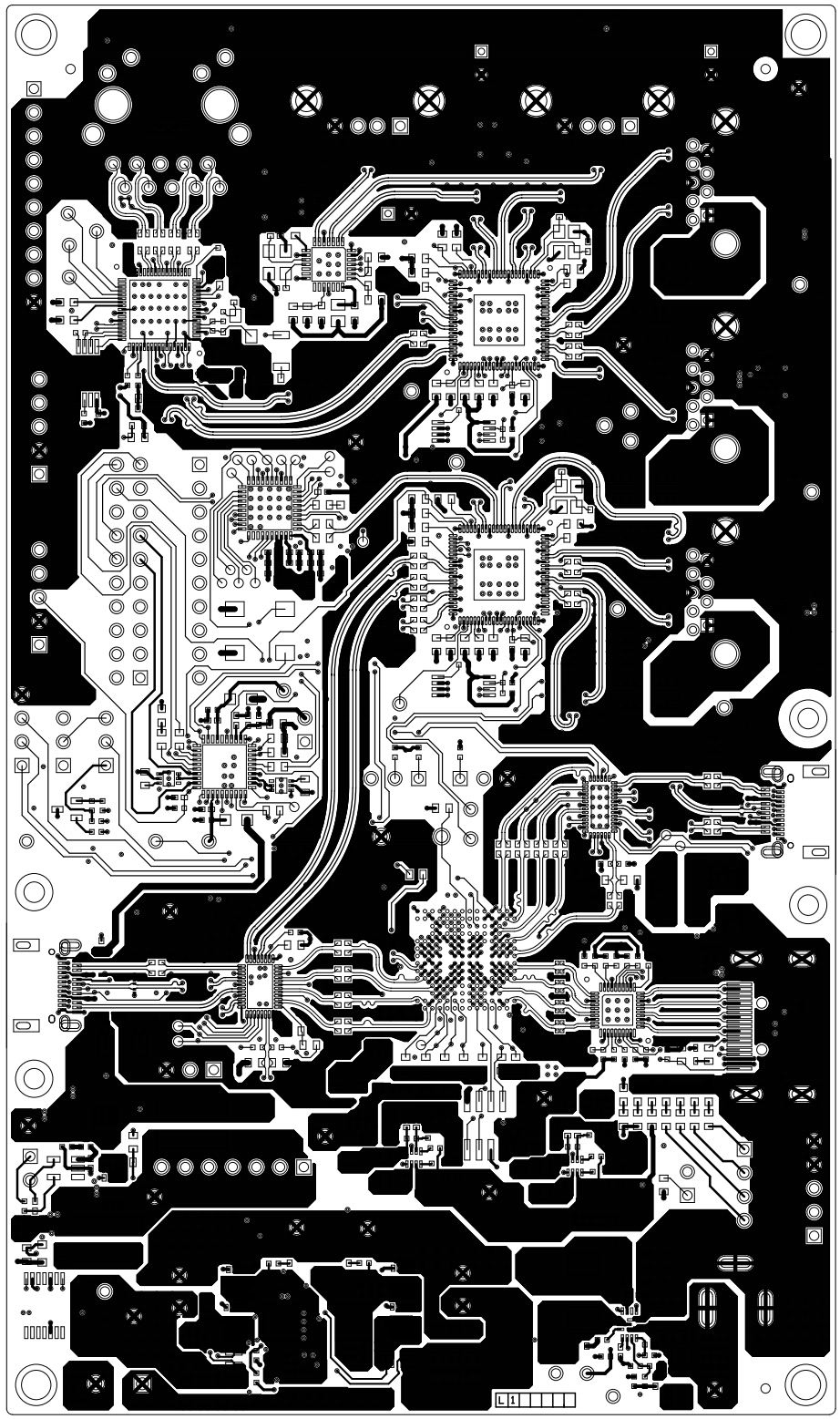
SIGNATURES		DATE
DRAWN :	HUSAIN	11/12/17
CHECKED :	PRVE	11/12/17
ENGNG :	PRVE	11/12/17
ISSUED		

CYPRESS
198 CHAMPION COURT
SAN JOSE, CA 95134
(408) 943-2600

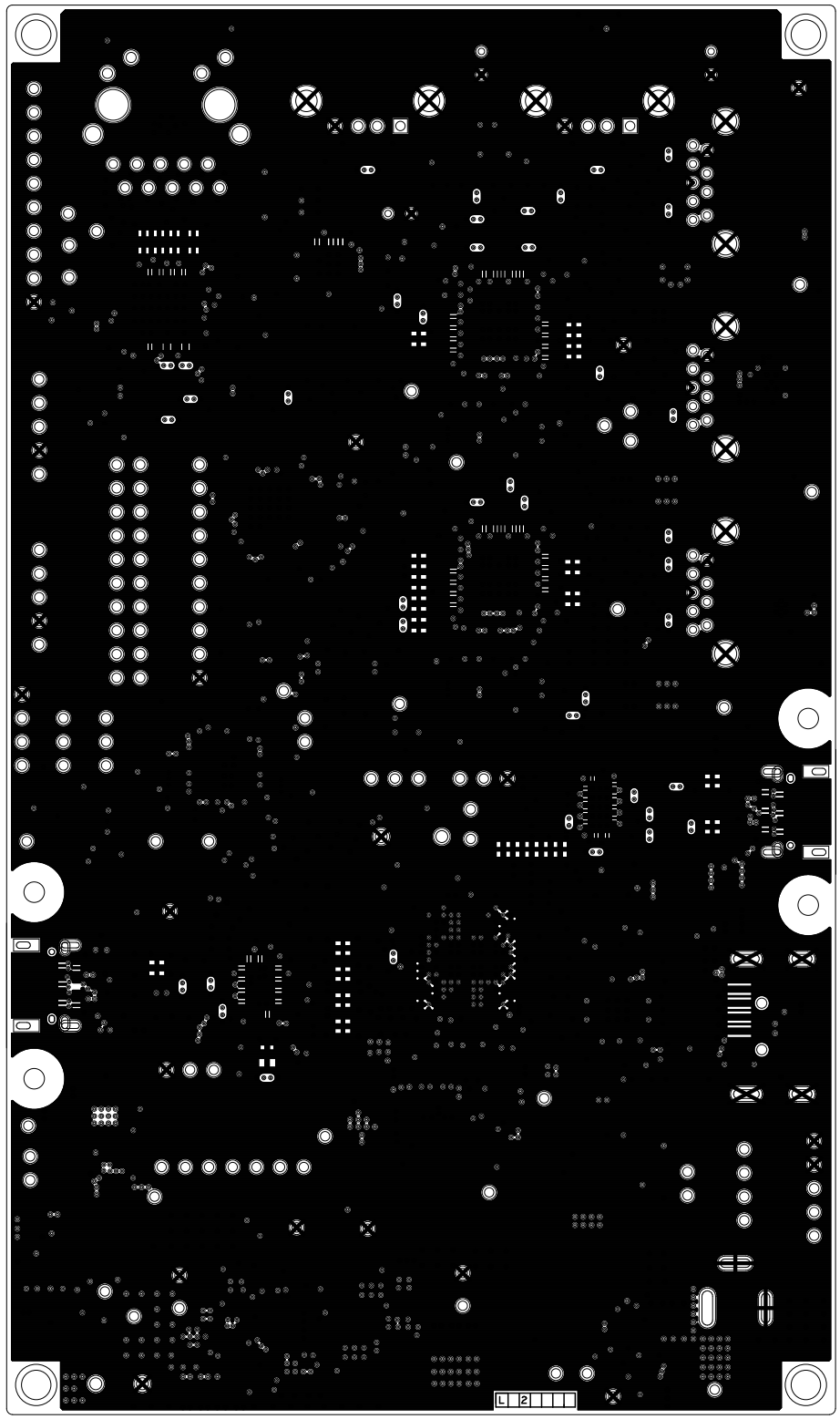
FABRICATION DRAWING
EZ-PD CCG4 DOCK
REFERENCE DESIGN

SIZE	FSCM NO	DWG NO	REV
C		610-XXXXX-XX	04

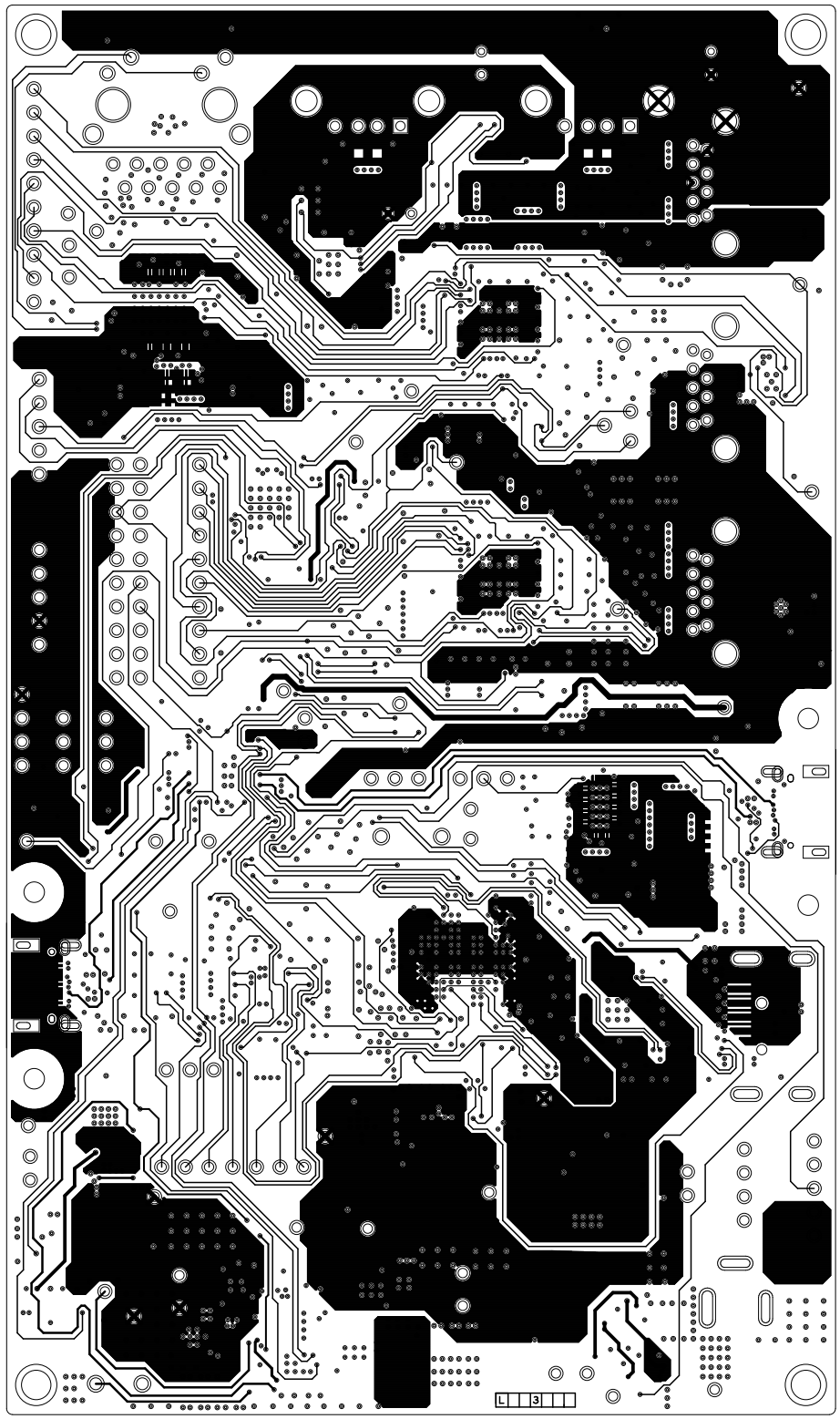
SCALE: 1/1 SHEET: 1 OF 1



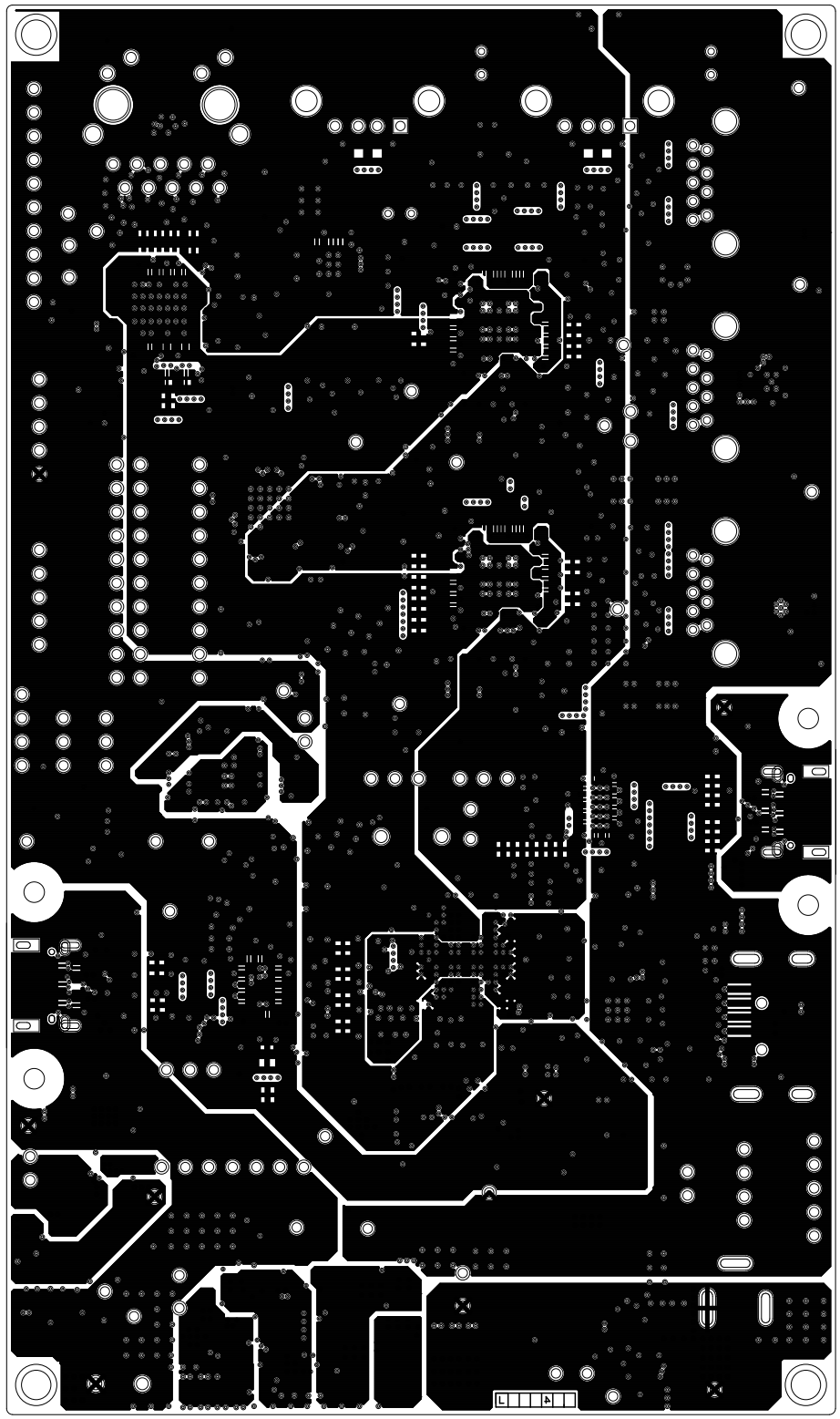
600-XXXXX-XX REV04 PRIMARY SIDE



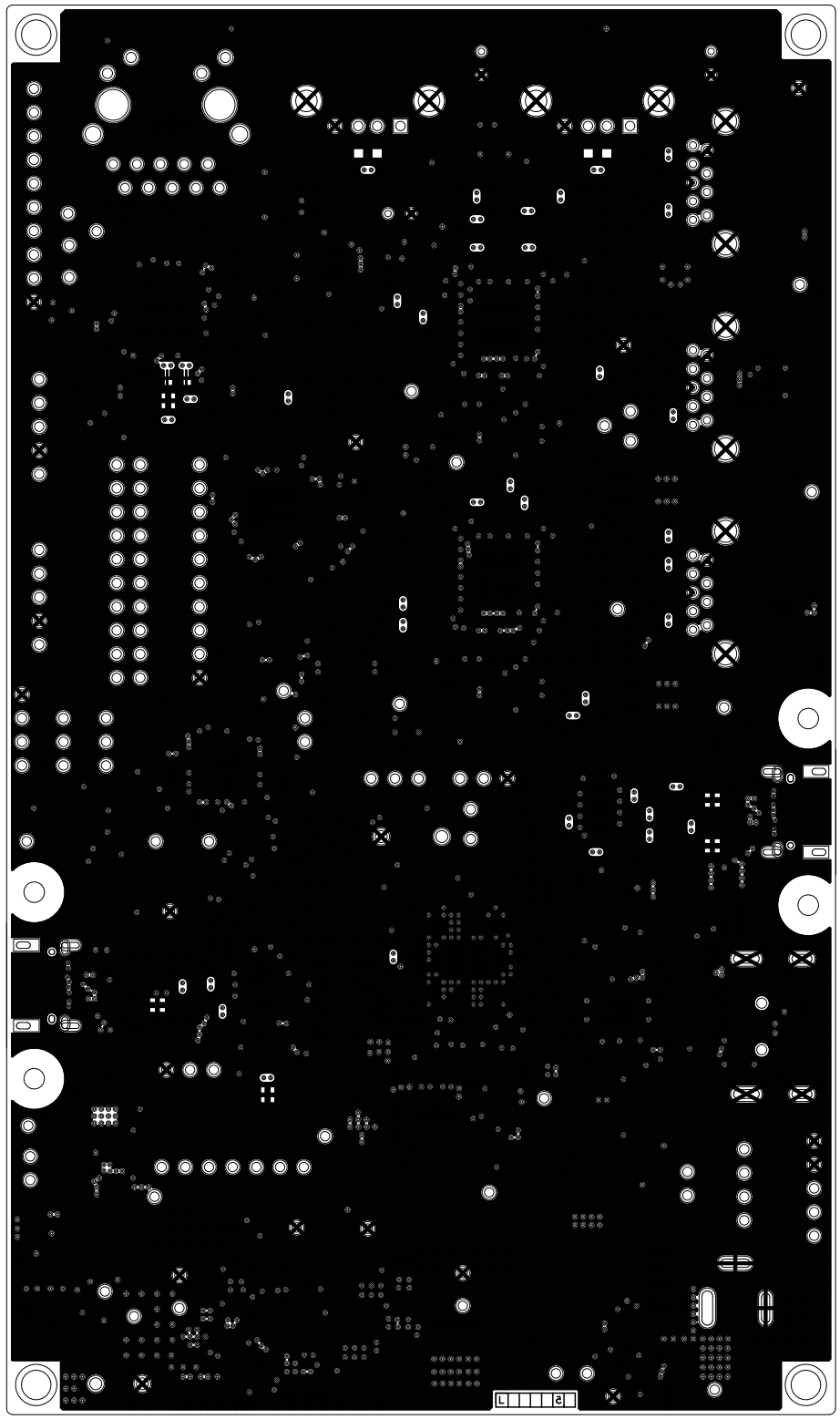
600-XXXXX-XX REV04 GROUND1 LAYER



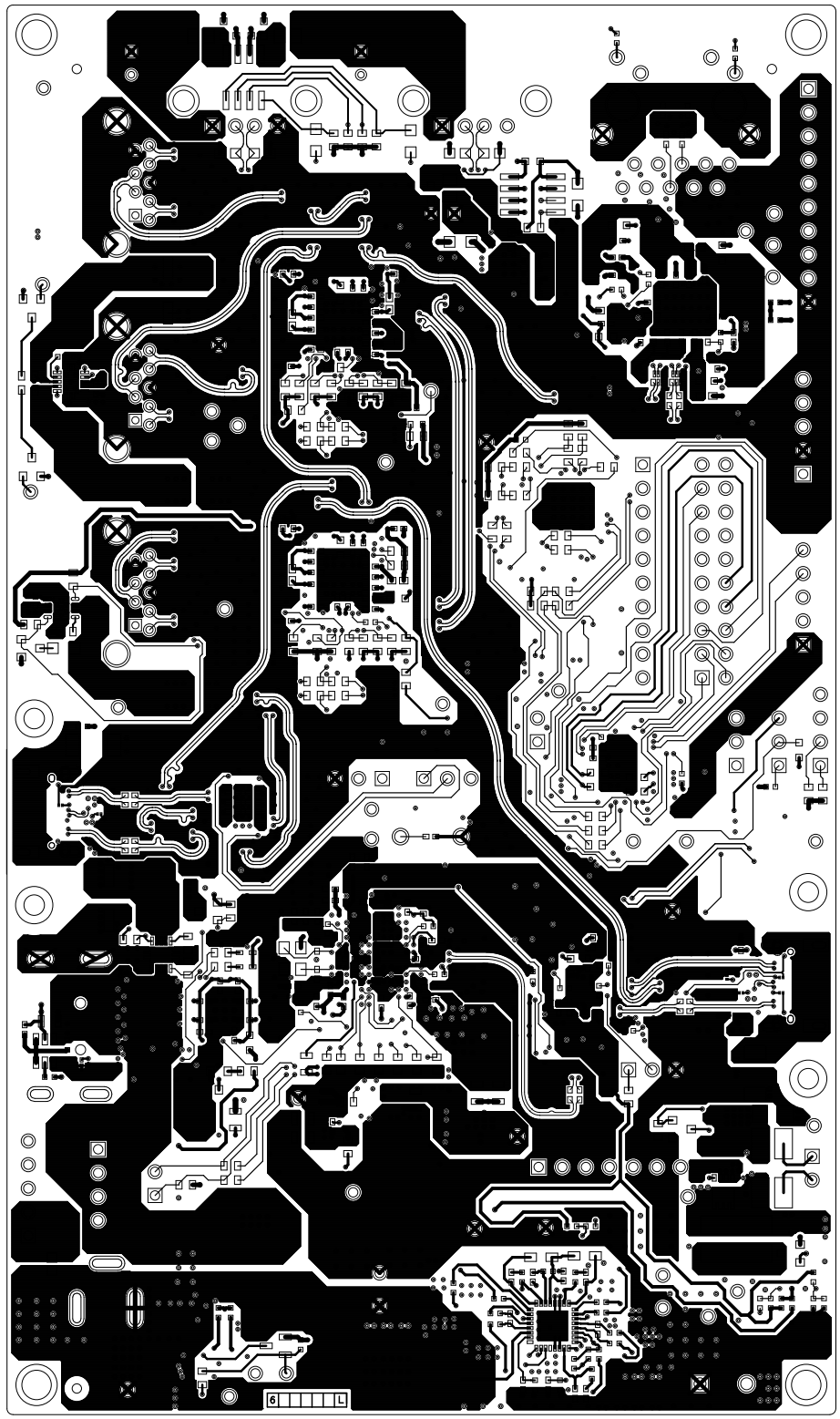
600-XXXXX-XX REV04 SIGNAL LAYER



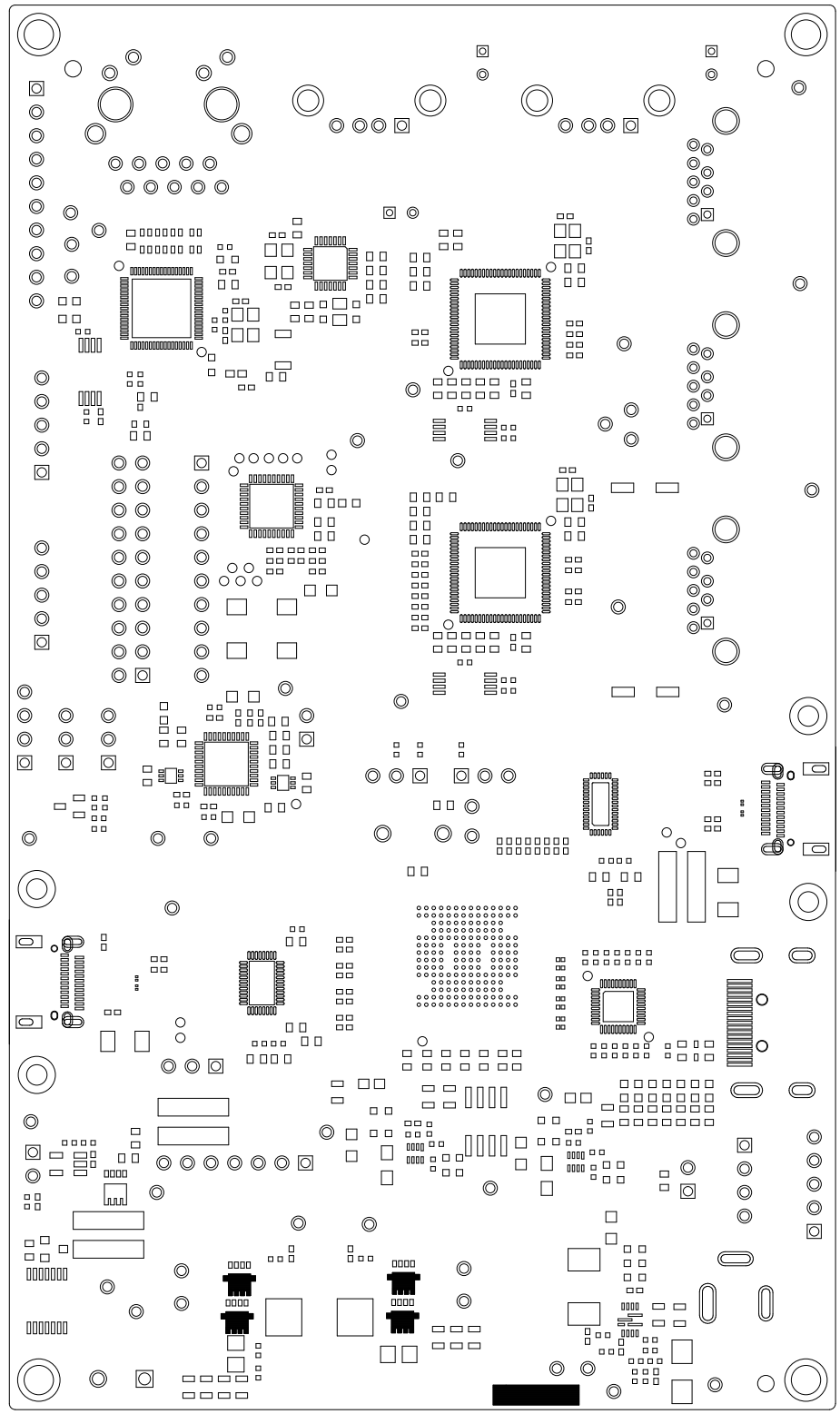
600-XXXXX-XX REV04 POWER LAYER



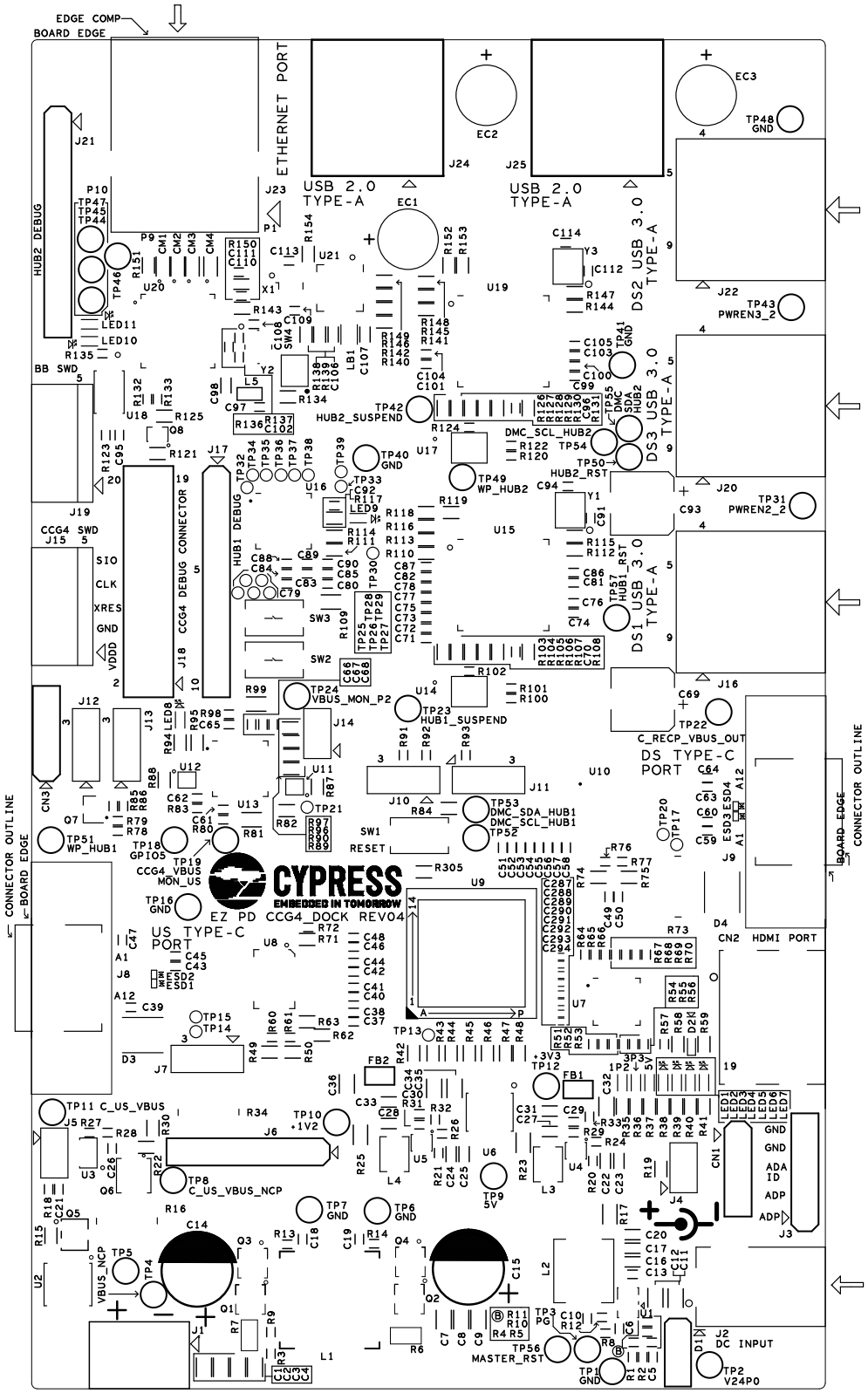
600-XXXXX-XX REV04 GROUND2 LAYER



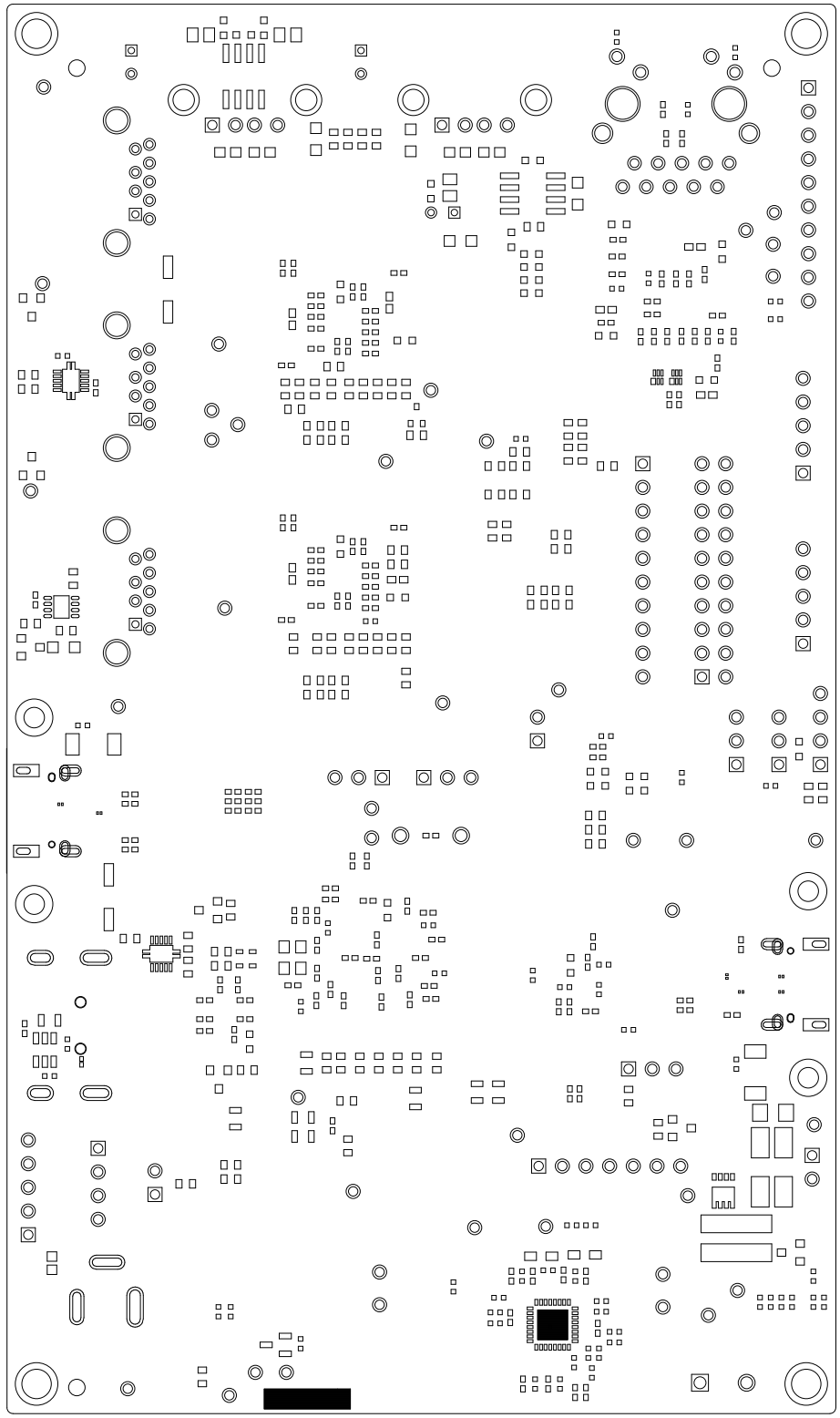
600-XXXXX-XX REV04 SECONDARY SIDE



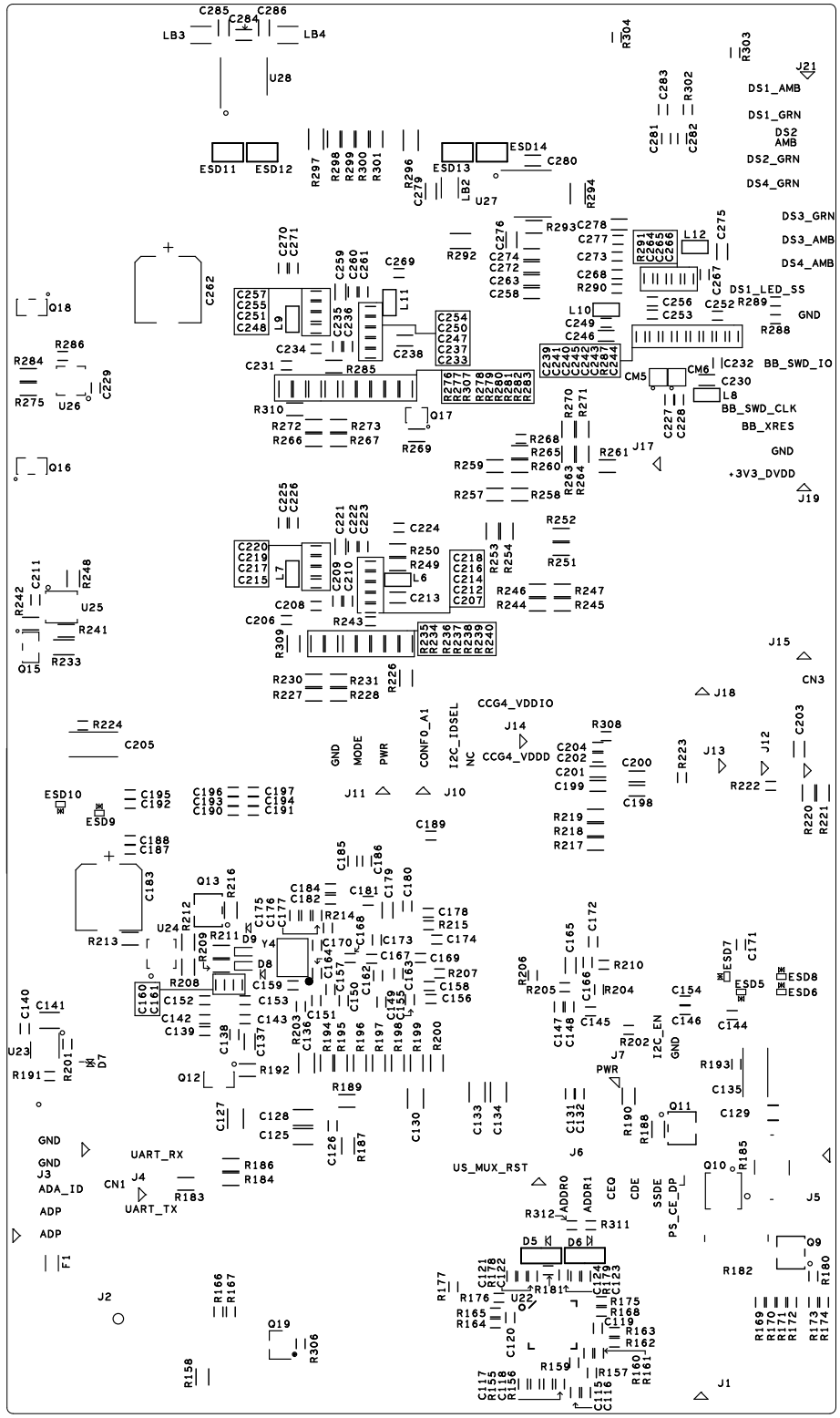
600-XXXXX-XX REV04 PRIMARY SOLDERMASK



600-XXXXX-XX REV04 PRIMARY SILKSCREEN



600-XXXXX-XX REV04 SECONDARY SOLDER MASK



600-XXXXX-XX REV04 SECONDARY SILKSCREEN