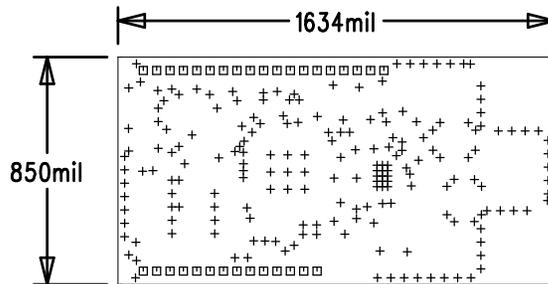


DWG NO.	SH	1	1
ZONE LTR		REVISIONS	DATE APPROVED

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EM35X_REF_DES_SE2432L_A1
Fabrication Drawing



FABRICATION NOTES:

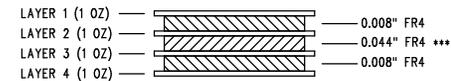
- ALL DIMENSIONS IN INCHES. TOLERANCE = +/-0.005" UNLESS NOTED OTHERWISE.
- MATERIAL - 370HR FR-4 GRADE GLASS EPOXY, 0.062" +/-0.003" THICKNESS MEASURED OVER SOLDERMASK. MINIMUM FLAMMABILITY RATING UL94V-0, MAXIMUM DISSIPATION FACTOR 0.025.
- OUTER LAYER COPPER THICKNESS 0.0014" (1 OZ). INNER LAYER COPPER THICKNESS 0.0014" (1 OZ). NO COVERAGE ON SOLDER PADS PERMITTED.
- SOLDER MASK OVER BARE COPPER, LPI, CLASS 2 GEN. INDUSTRIAL, REGISTRATION +/-0.004".
- WHITE SILKSCREEN LEGEND OVER RED SOLDERMASK - BOTH SIDES
- FINISH - IMMERSION GOLD OVER NICKEL. NO EXPOSED BARE COPPER PERMITTED.
- HOLE SIZE TOLERANCE = +/-0.003" UNLESS NOTED OTHERWISE. HOLE CENTERS AND PAD CENTERS TO BE CONCENTRIC WITHIN 0.002".
- THEIVING NOT ALLOWED ON LAYER 1
- ALL MATERIALS: LAMINATES, RESINS, METALLIZATIONS AND SOLDERMASKS TO BE COMPLIANT TO EU RoHS DIRECTIVE 2002/95/EC IAW SP-12509-01. LAMINATE AND RESIN MATERIAL PARAMETERS:
Tg > 170 DEGRESS CELCIUS, GLASS TRANSITION TEMPERATURE
Td > 350 DEGRESS CELCIUS, THERMAL DECOMPOSITION
- DRILL CHART DIMENSIONS ARE DRILL SIZES AND NOT FINISHED HOLE SIZES
- MANUFACTURER ICONS NOT PERMITTED ON THE SILKSCREEN TOP LAYER
- PCB SERIALIZATION/PANEL PLACEMENT ID ON SILKSCREEN BOTTOM
- TENT VIAS ON SOLDER MASK LAYERS

Drill Table

SIZE	QTY	SYM	PLATED	TOL
10	197	+	YES	+/-0.0
28	33	□	YES	+/-0.0

LAYER STACKUP

TOTAL THICKNESS = 0.062" +/- .003

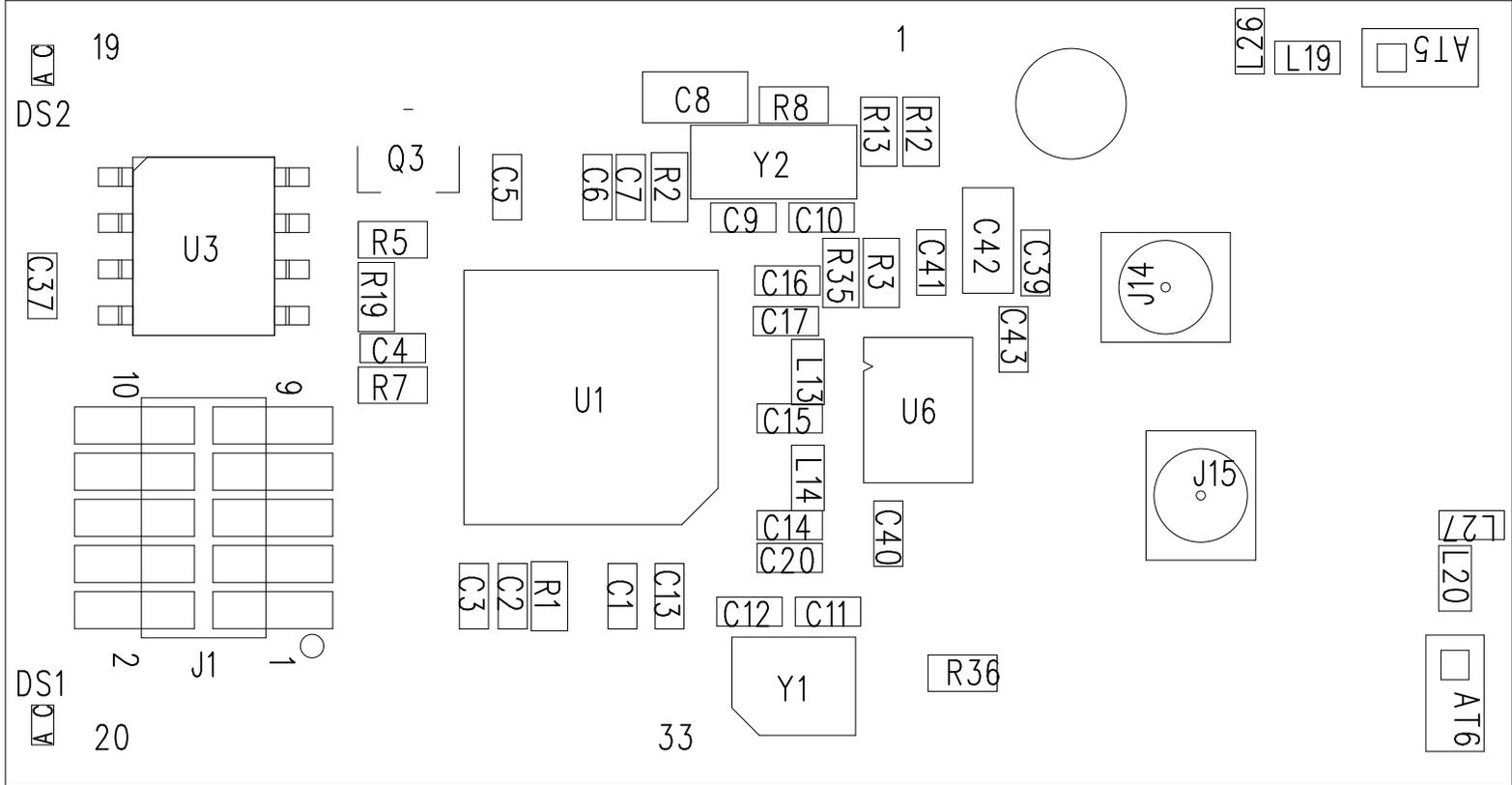


*** MATERIAL THICKNESS BETWEEN LAYER 2 AND LAYER 3 MAY BE ADJUSTED TO MEET TOTAL THICKNESS REQUIREMENT.

QTY	REQD	CAGE CODE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL SPECIFICATION	ITEM UNL
PARTS LIST						
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES:			DRAWN			
TOLERANCES ON:			CHECKED			
FRACTIONS DECIMALS ANGLES			ELECT ENGRG			
± .XX ± .01 ±			MESH ENGRG			
± .XXX ± .005			DR			
SURFACE ROUGHNESS			MANUF			
CONTRACT NO.			PROGRAM			
NEXT ASSY		USED ON		SIZE	CAGE CODE	DWG NO.
APPLICATION				D	EM35X_REF_DES_SE2432L	A1
				SCALE	SHEET 1 OF 1	

EMBER
PRINTED CIRCUIT BOARD
EM35X Ref Design

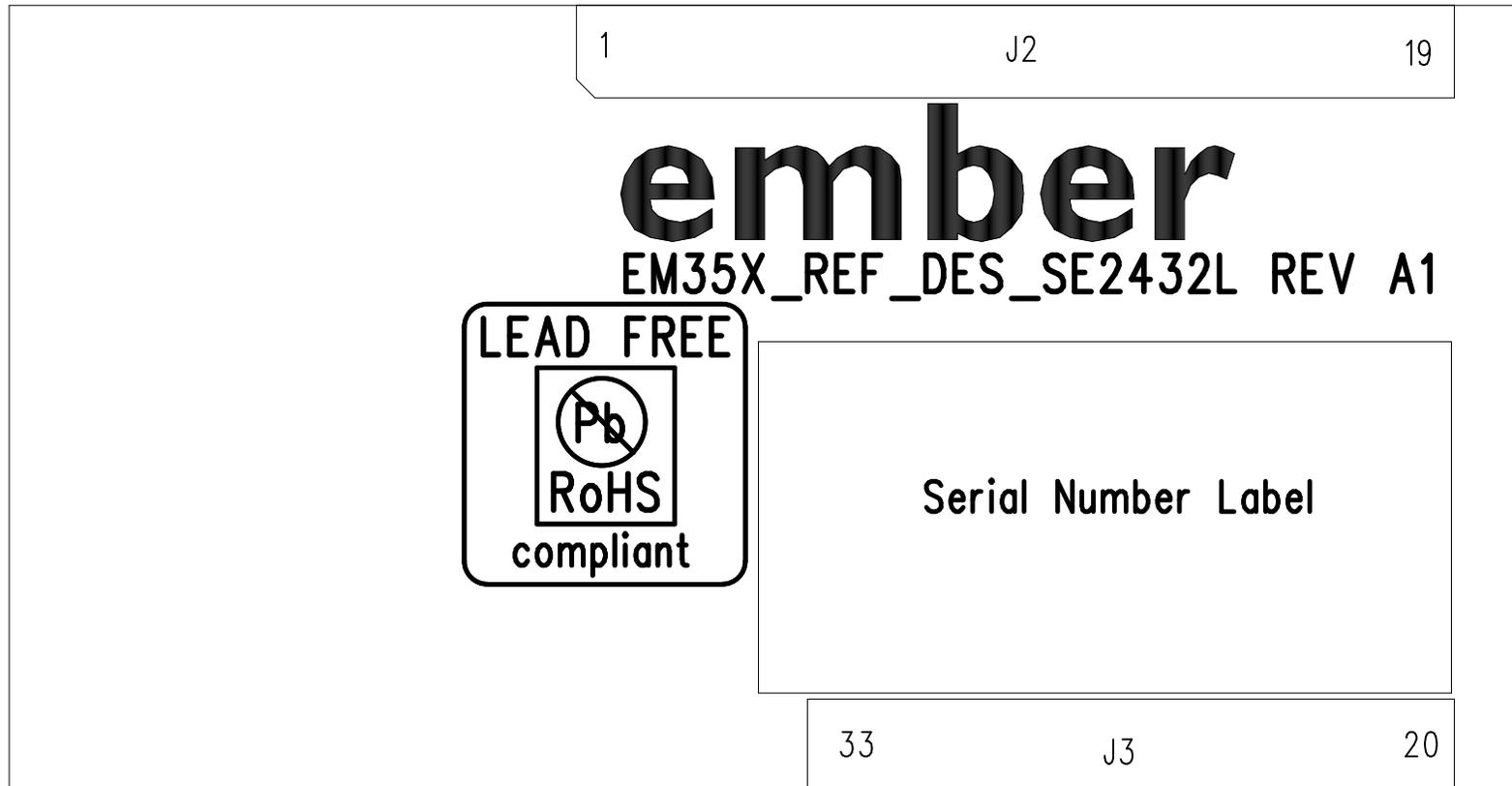
Ember Corporation EM35X_REF_DES_SE2432L_A1 Assembly Drawing Top



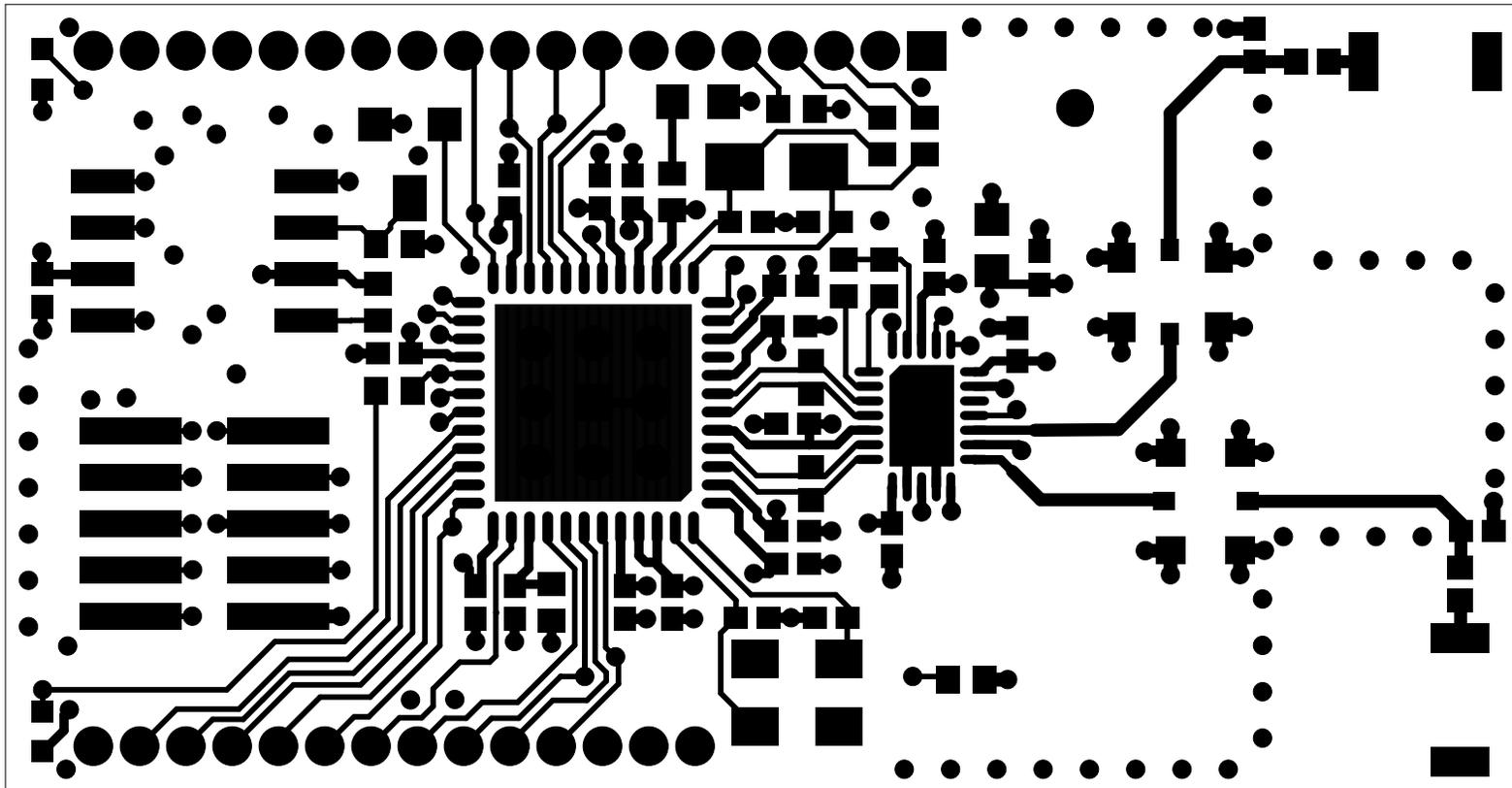
Ember Corporation

EM35X_REF_DES_SE2432L_A1

Assembly Drawing Bottom



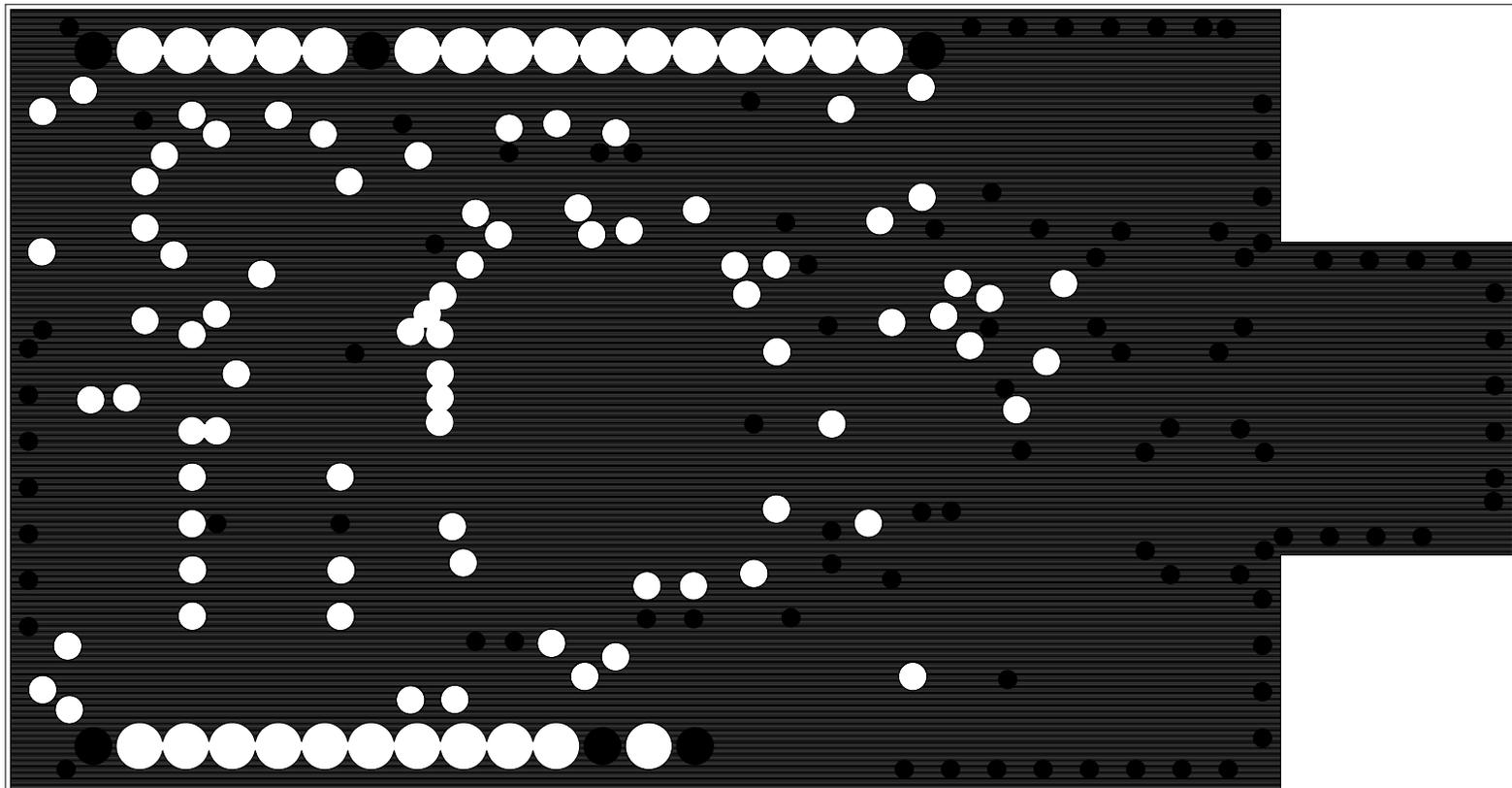
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EM35X_REF_DES_SE2432L_A1
Layer 1 - Top



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EM35X_REF_DES_SE2432L_A1

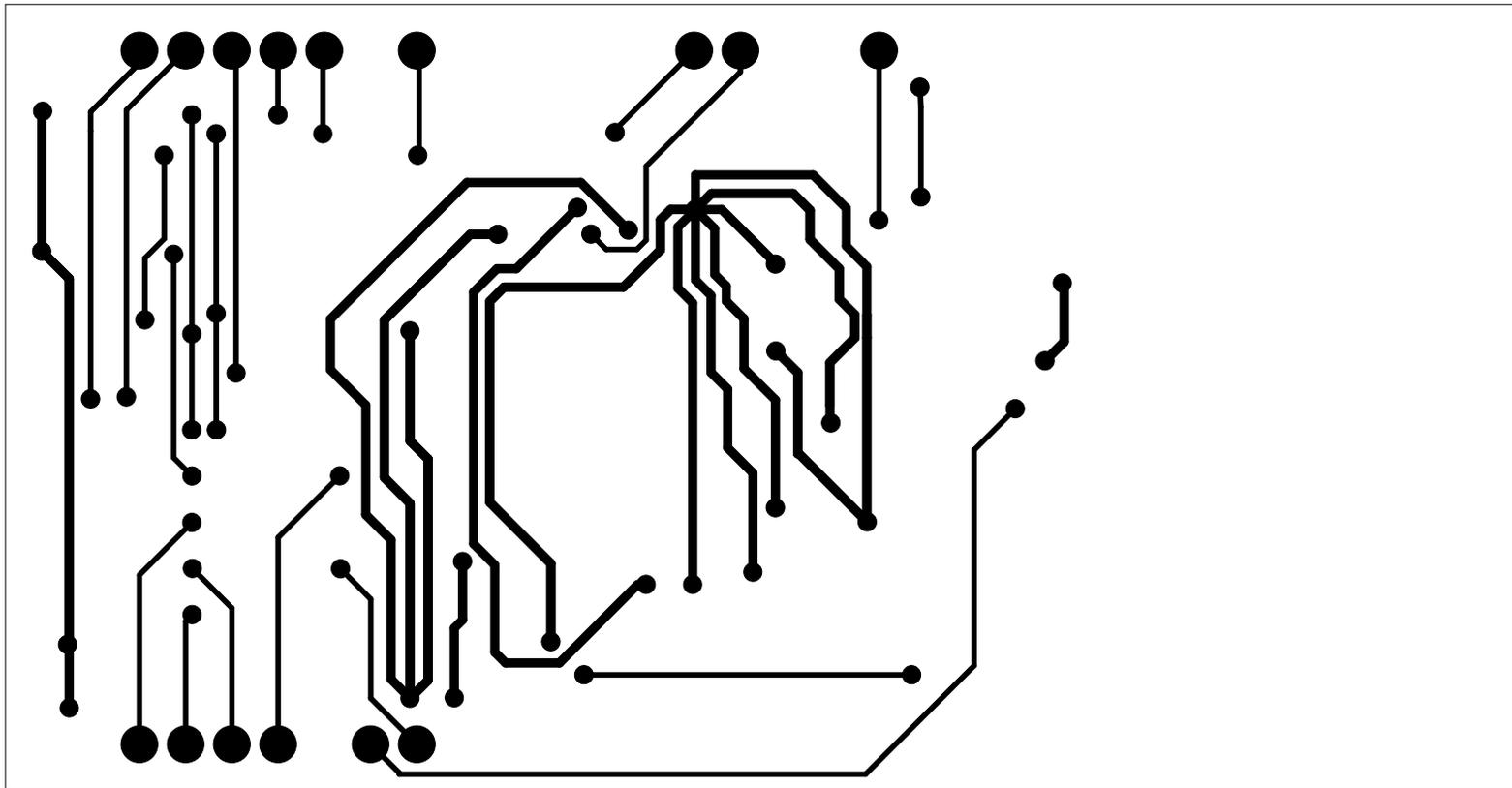
Layer 2 - GND Plane



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EM35X_REF_DES_SE2432L_A1

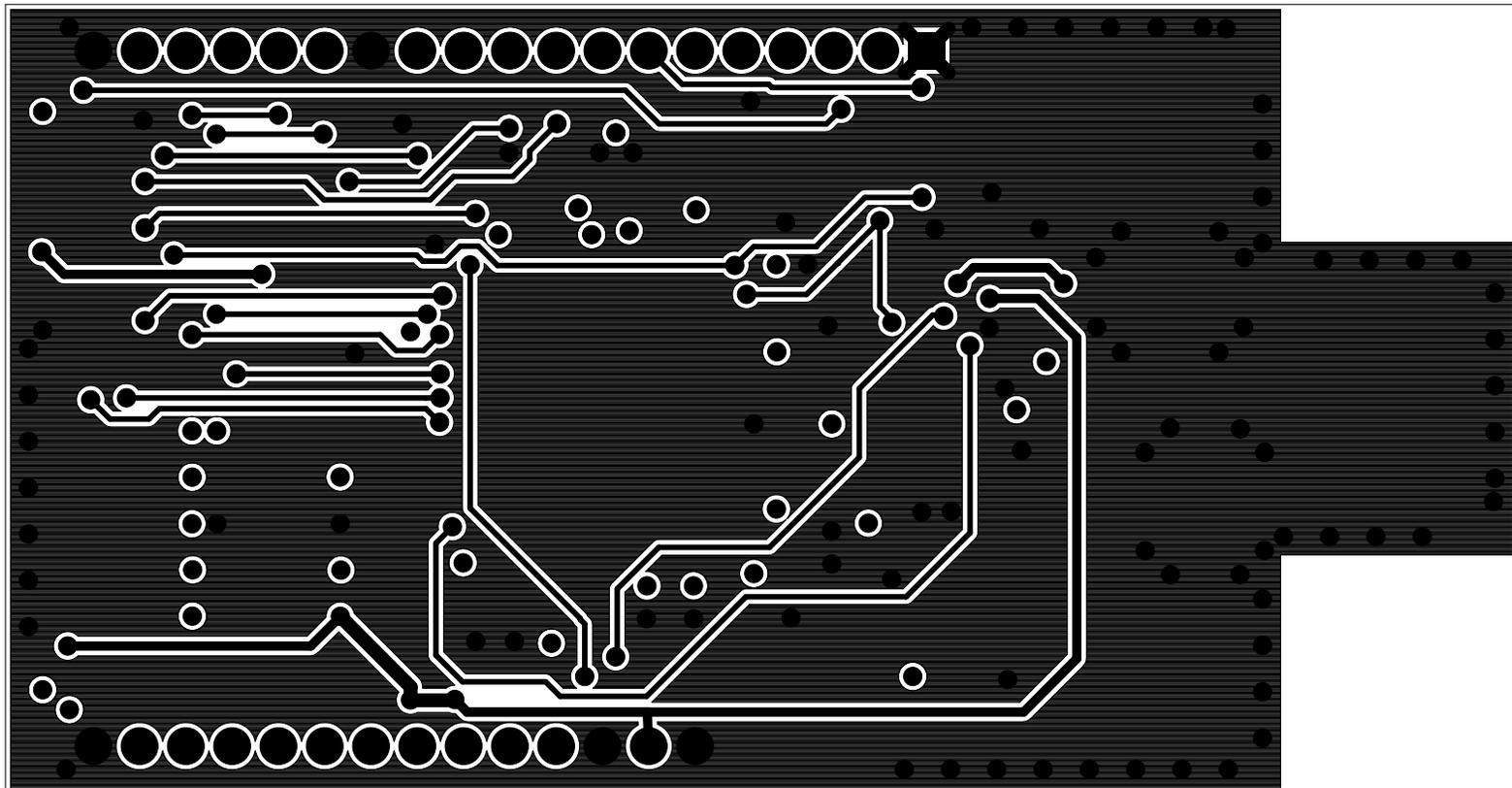
Layer 3 - Power



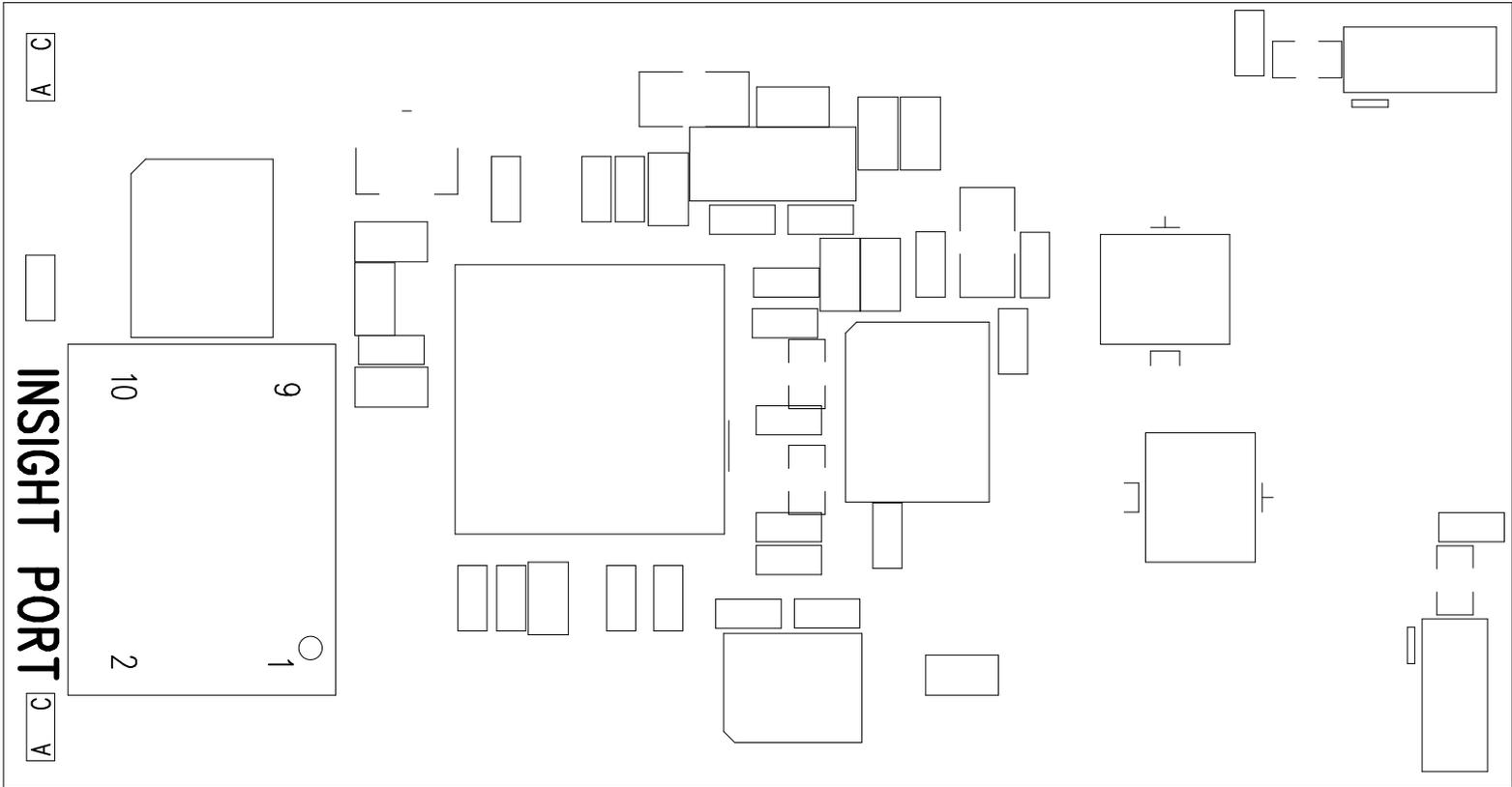
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Layer 4 - Bottom



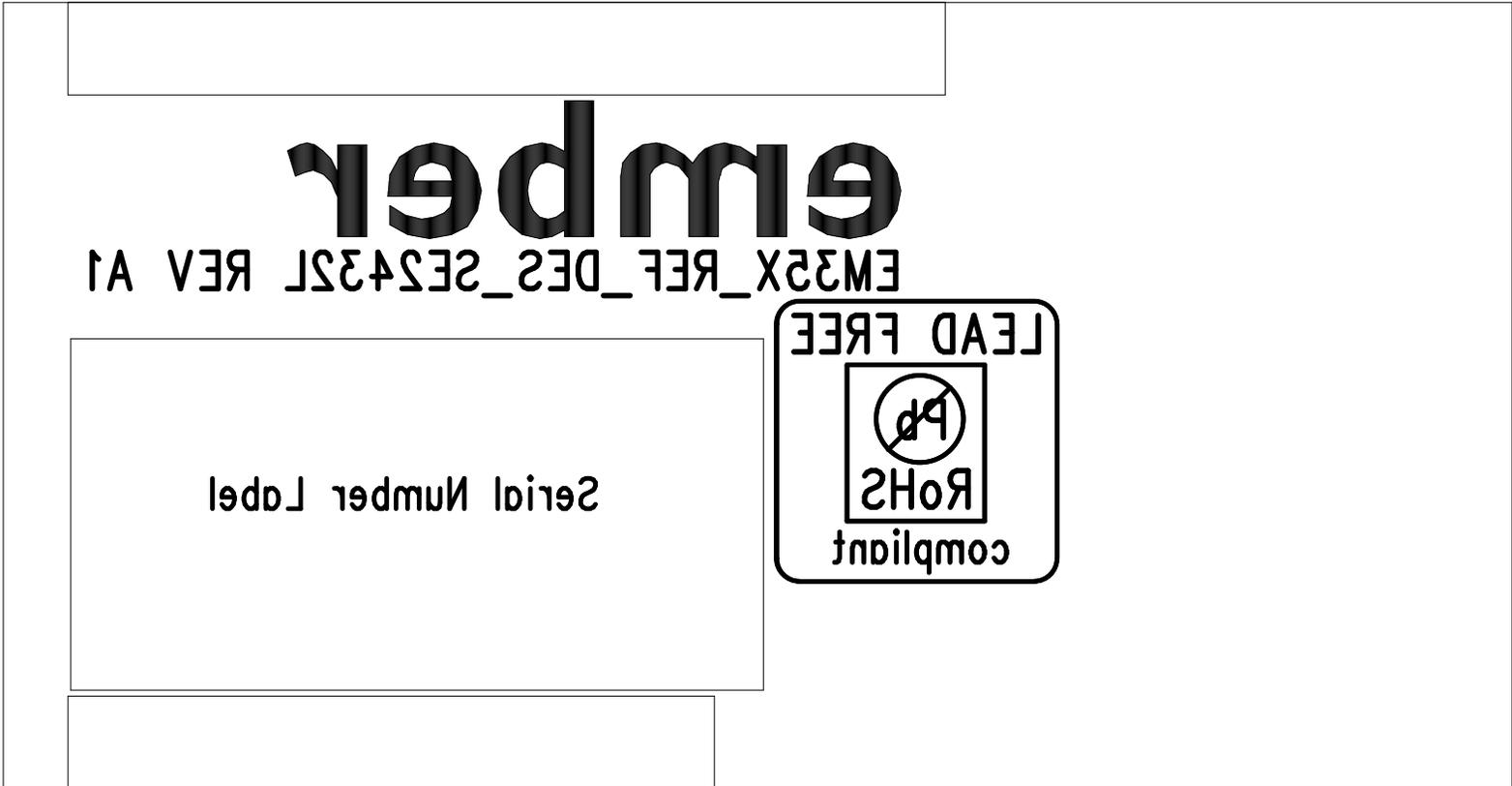
Ember Corporation EM35X_REF_DES_SE2432L_A1 Silkscreen Top



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EM35X_REF_DES_SE2432L_A1

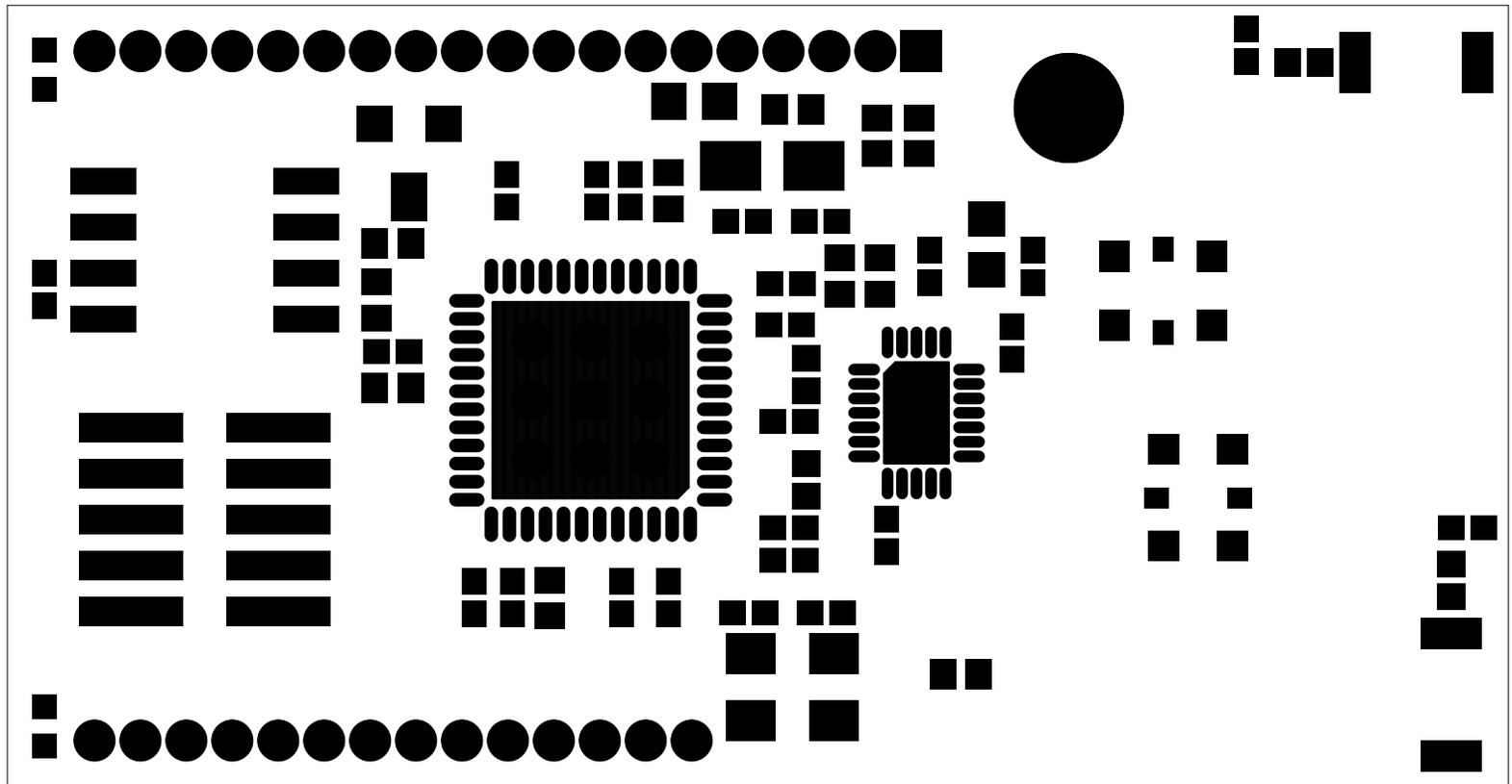
Silkscreen Bottom



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EM35X_REF_DES_SE2432L_A1

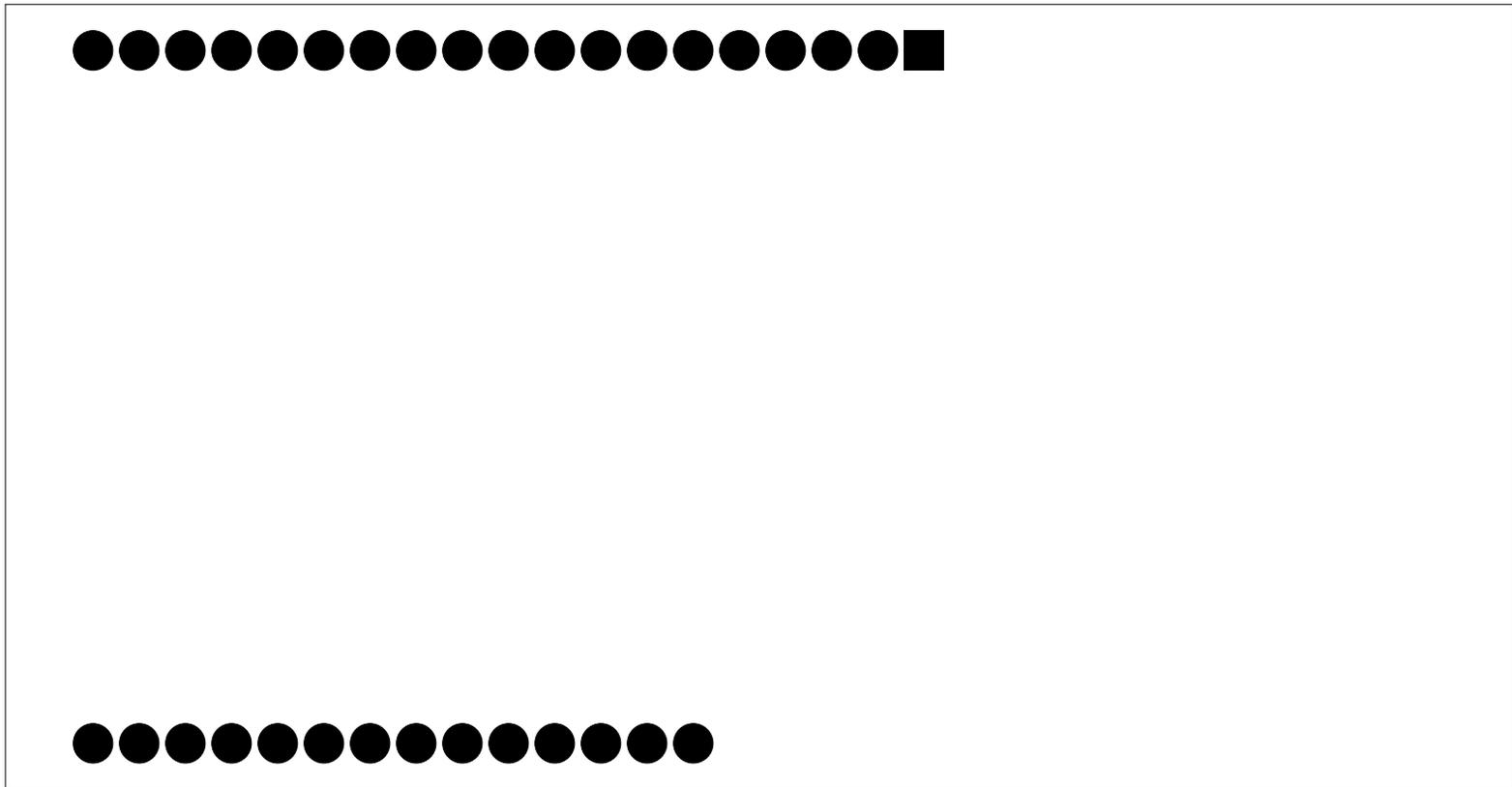
Soldermask Top



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Soldermask Bottom



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Paste Mask Top

