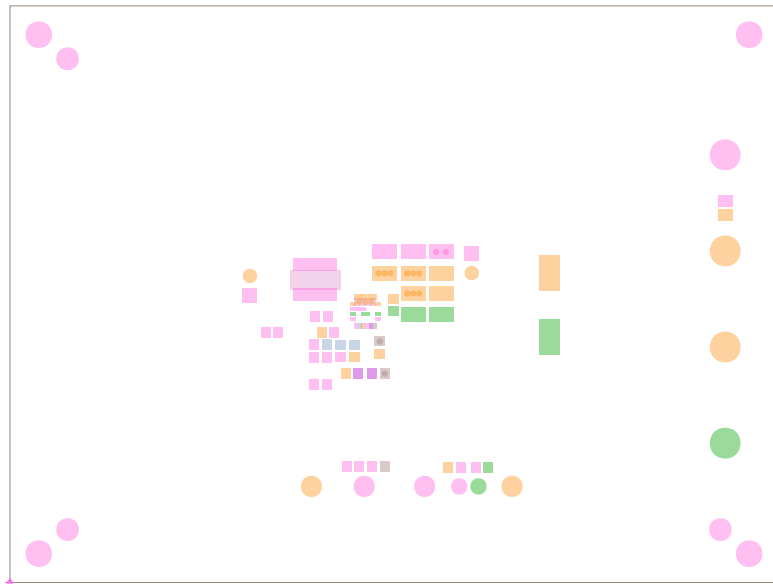




RAA211450EVAL\_QFN



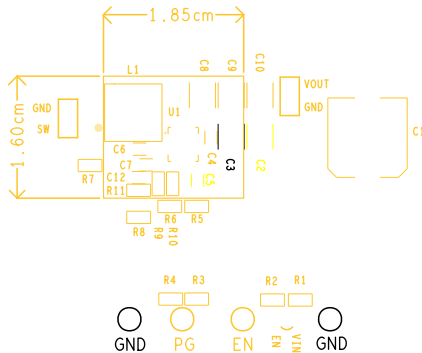
SOLDER MASK TOP

RAA211450EVAL\_QFN

## PASTE MASK TOP

## RAA211450EVAL\_QFN

**RENESAS**  
 RTKA211450DE0000BU REVA



VOUT ○

GND

GND ○

GND ○

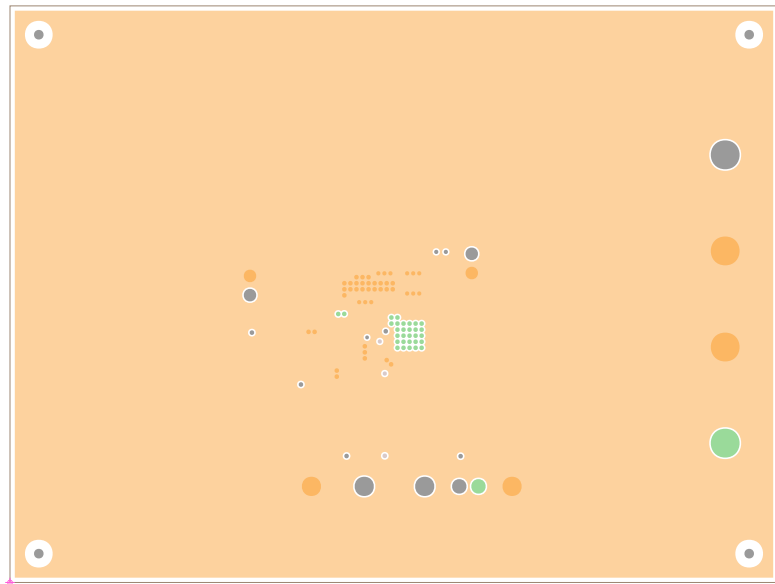
VIN ○

○  
GND○  
PG○  
EN○  
EN○  
VIN○  
GND

SILK SCREEN TOP

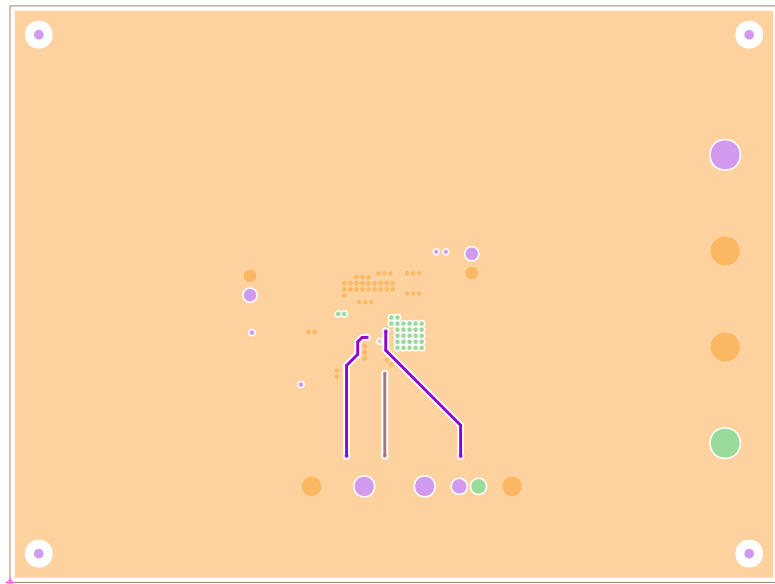


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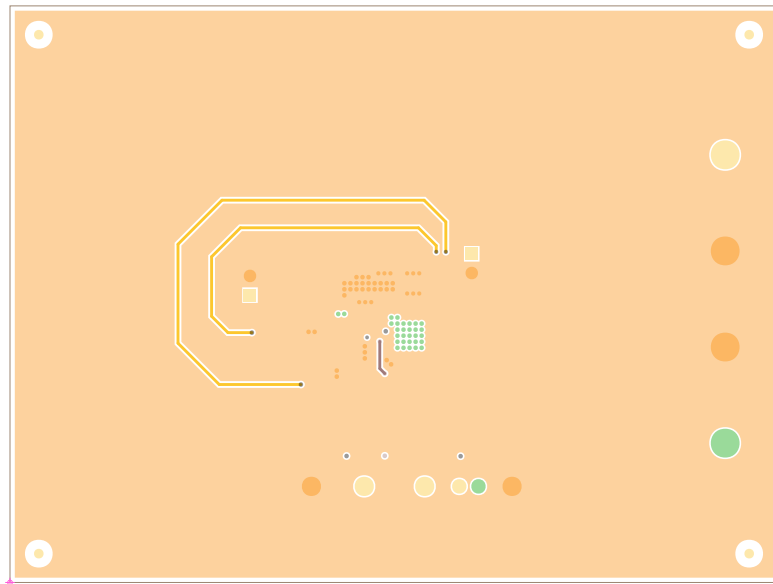
LAYER 2

RAA211450EVAL\_QFN



LAYER 3

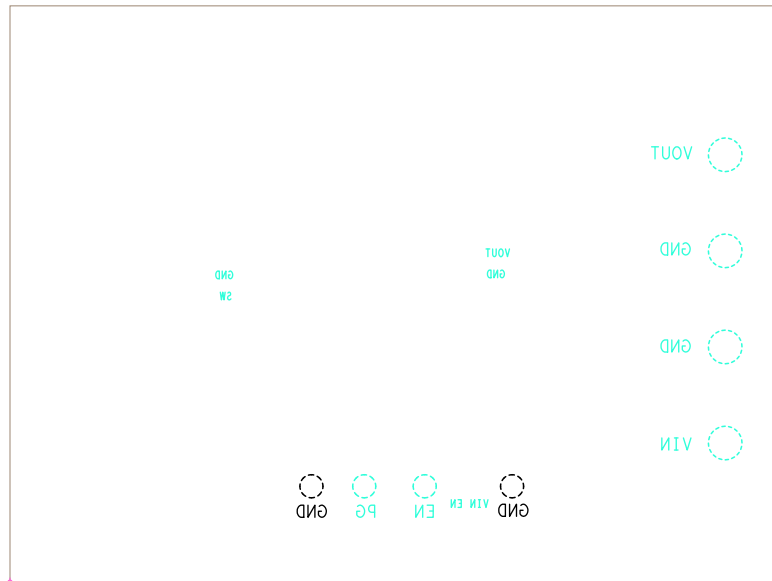
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LAYER 4

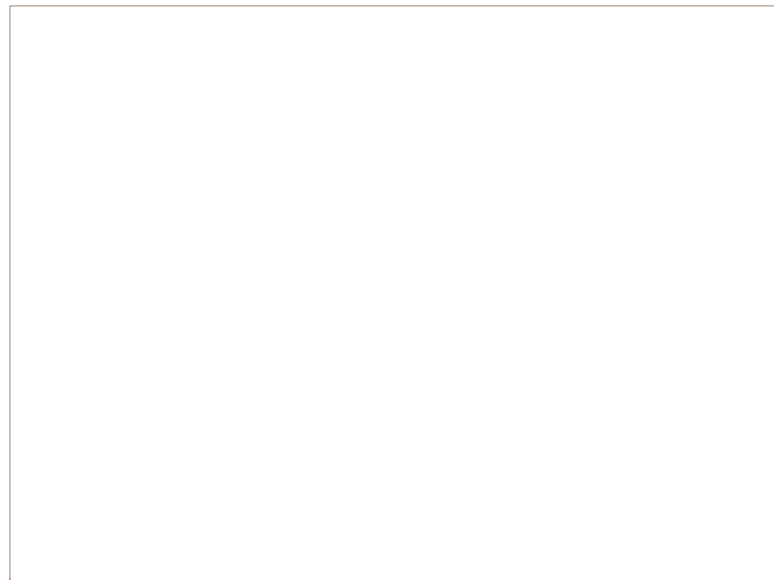


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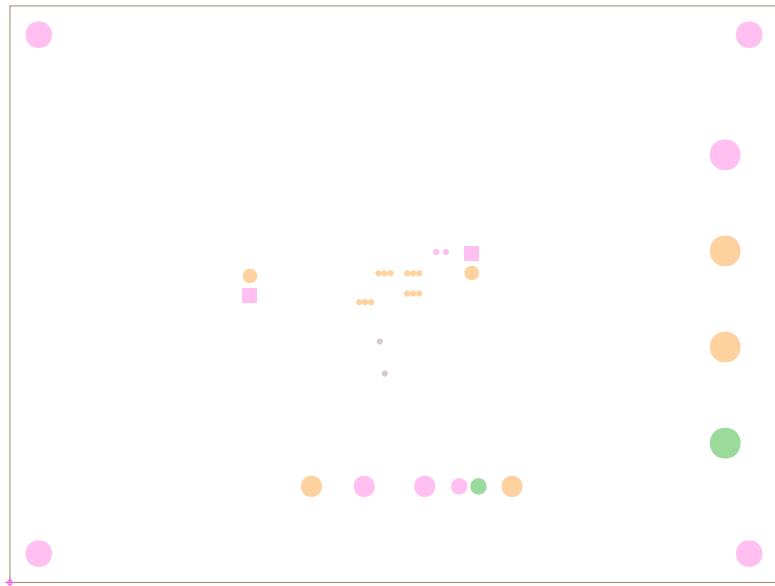
SILK SCREEN BOTTOM

RAA211450EVAL\_QFN



PASTE MASK BOTTOM

RAA211450EVAL\_QFN



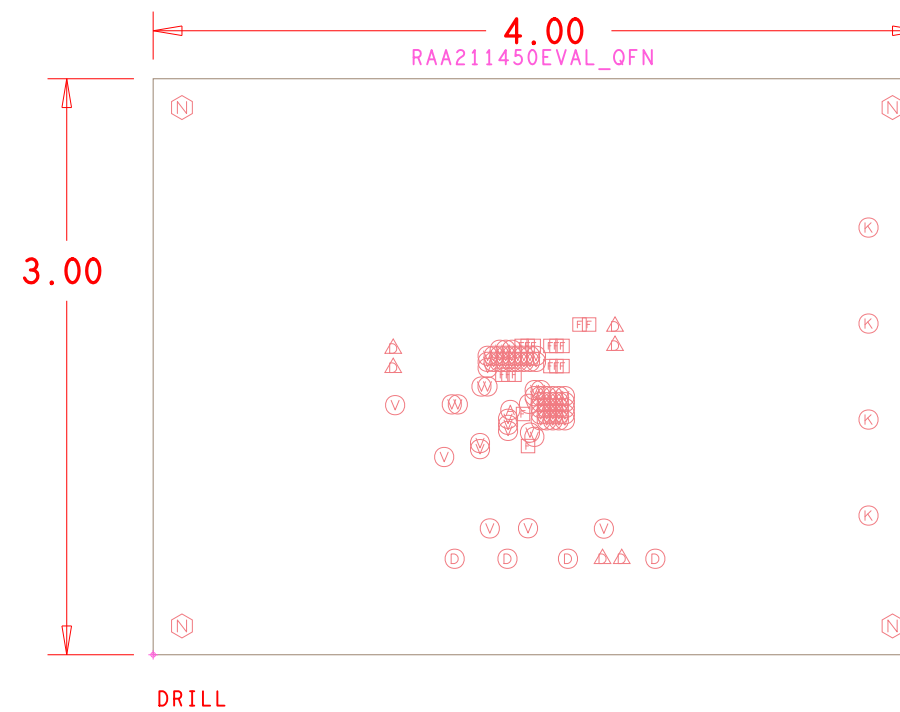
SOLDER MASK BOTTOM

RAASII420EVAL\_QFN


## PHYSICAL BOARD DIMENSIONS & LAYER STRUCTURE



DRILL CHART: TOP to BOTTOM				
ALL UNITS ARE IN MILS				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
A	10.0	+0.0/-0.0	PLATED	1
F	12.0	+0.0/-0.0	PLATED	16
V	12.0	+3.0/-3.0	PLATED	67
D	40.0	+0.0/-0.0	PLATED	4
A	41.0	+0.0/-0.0	PLATED	6
K	100.0	+0.0/-0.0	PLATED	4
N	128.0	+0.0/-0.0	NON-PLATED	4



- NOTES:
1. THIS BOARD IS RoHS COMPLIANT.
  2. PRINTED WIRING BOARD DESIGN AND ACCEPTANCE CRITERIA SHALL BE IAW WITH THE REQUIREMENTS OF IPC-D-275 AND IPC-A-600.
  3. MATERIAL: FR4 (RoHS COMPLIANT), 2 OZ COPPER FOR TOP AND BOTTOM LAYERS, 1 OZ COPPER FOR INTERNAL LAYERS
  4. APPLY SOLDER MASK, BOTH SIDES OVER BARE COPPER IAW IPC-SM-840. CLASS 2 (LPI) (BLUE MASK).
  5. ALL PATTERNS ARE VIEWED FROM THE PRIMARY SIDE LOOKING THROUGH THE BOARD.
  6. UNLESS OTHERWISE SPECIFIED ALL HOLE DIAMETERS ARE AFTER PLATING.
  7. APPLY SILKSCREEN USING WHITE NON-CONDUCTIVE EPOXY BASED INK.
  8. PWB MUST BE 100% ELECTRICALLY TESTED FOR SHORTS AND CONTINUITY. USE NETLIST PROVIDED RTKA212821E00001U IPC356.IPC IAW IPC-D-356.
  9. MARK DATE CODE AND MANUFACTURES IDENTIFICATION ON SOLDER SIDE PER IPC-6011 AND IPC-6012.
  10. TOLERANCE ON ALL DRILL HOLES SHALL BE IAW IPC-D-2221 & 2222 UNLESS OTHERWISE SPECIFIED.

Drawn By: <b>Amnat Yakamna</b>	Date Drawn: 10/02/2020	Engineer: <b>Zhuangyao Tang</b>		
Released By:	Date Released:	RAA211450 EVAL BOARD LAYOUT		
Updated By:	Date Updated:	RTKA211450DE0000BU		
		MASK#	HDWR ID	REV. A
	FILENAME: <b>RAA211450DE0000BU REVA</b>			SHEET <b>1 OF 1</b>