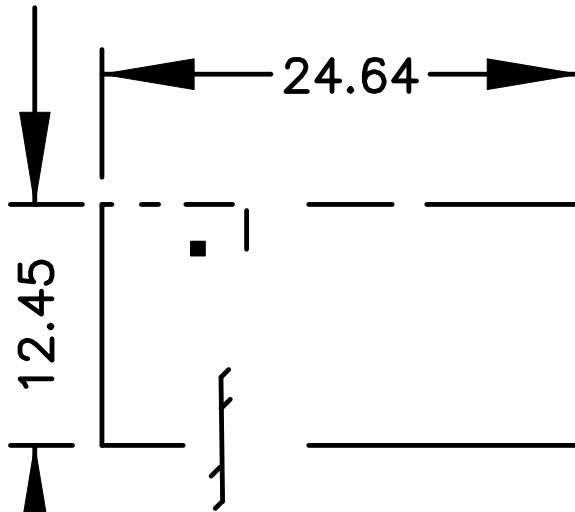


INPUT

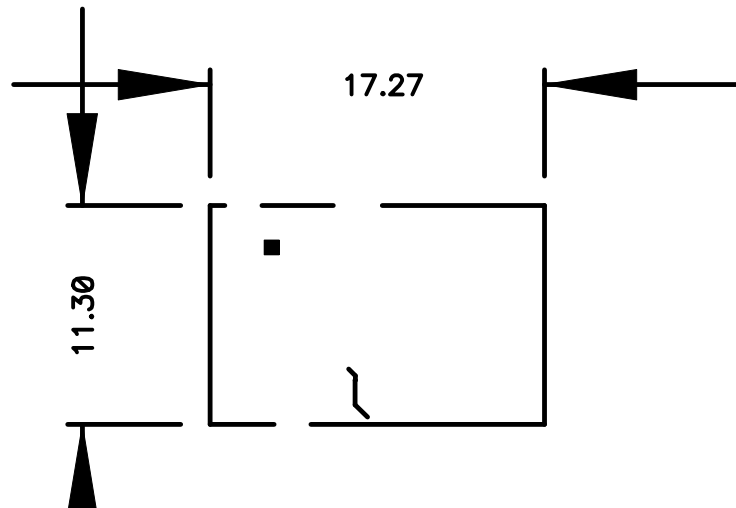


OUTPUT



Texas Instruments  
PMP4854-1 REV B

INPUT



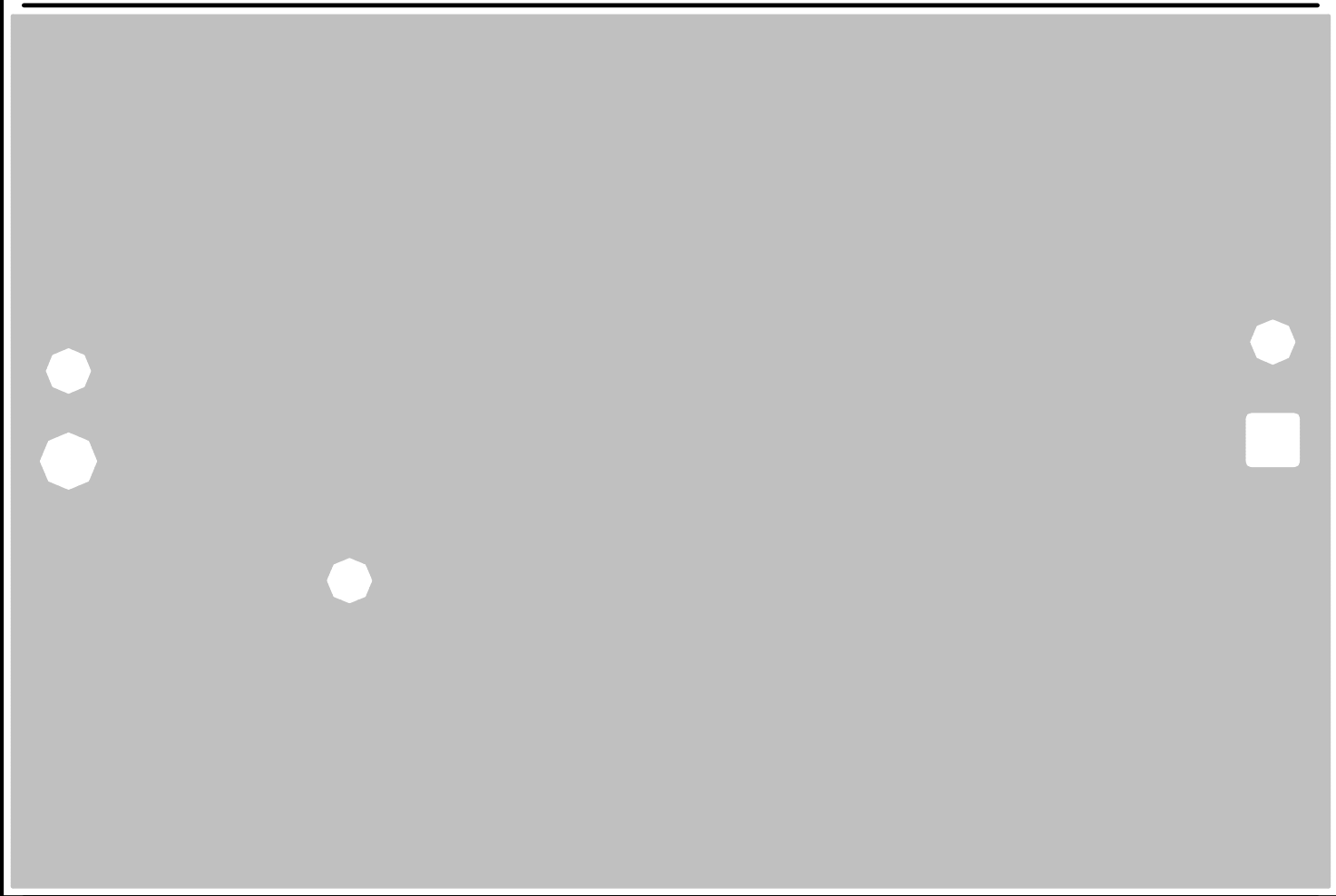
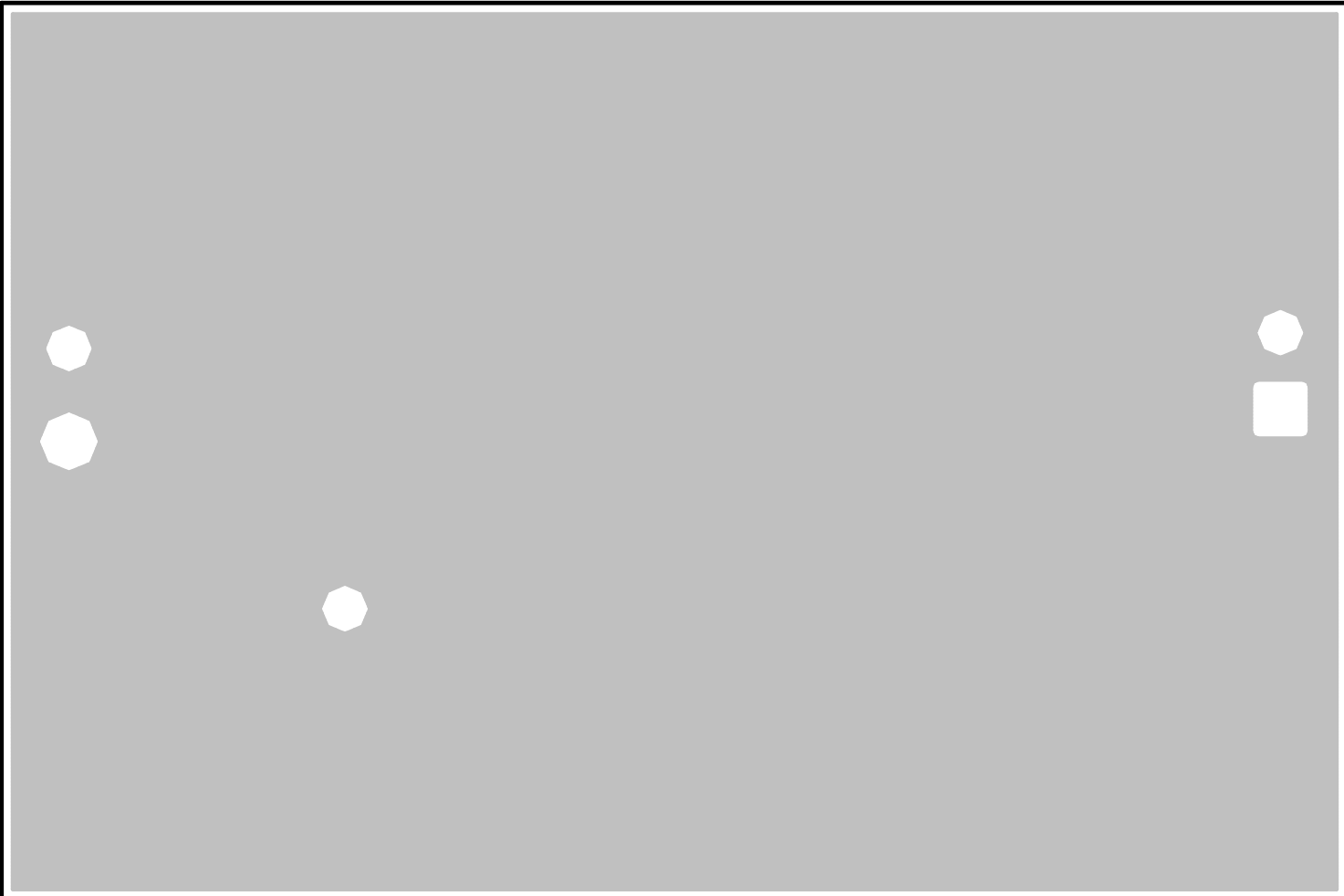
OUTPUT



Texas Instruments  
PMP4854-2 REV B

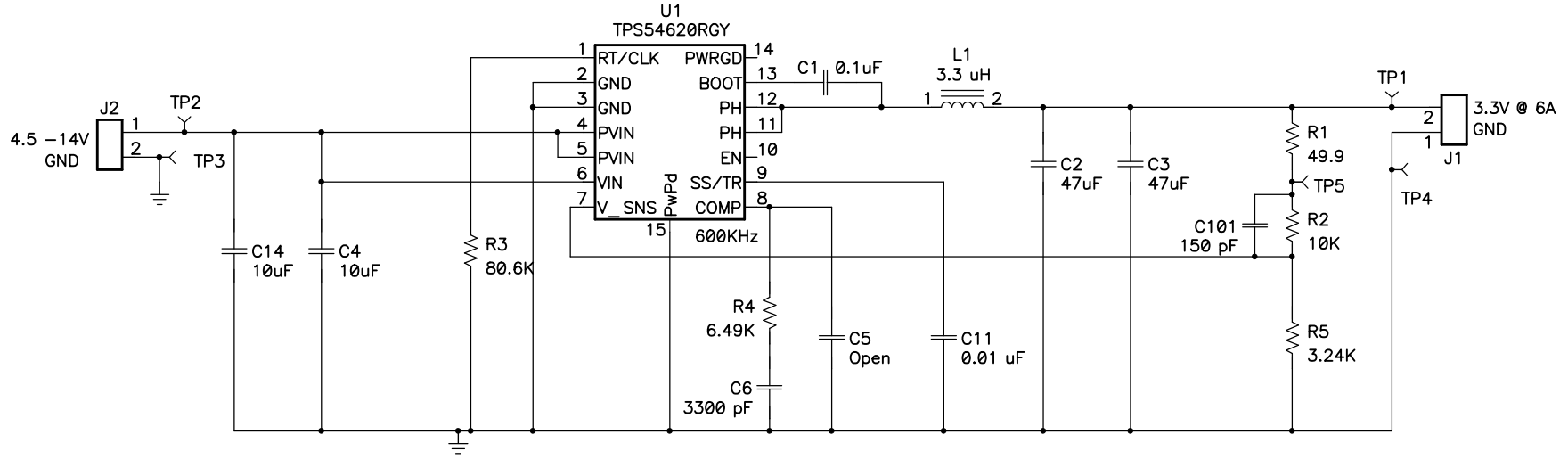






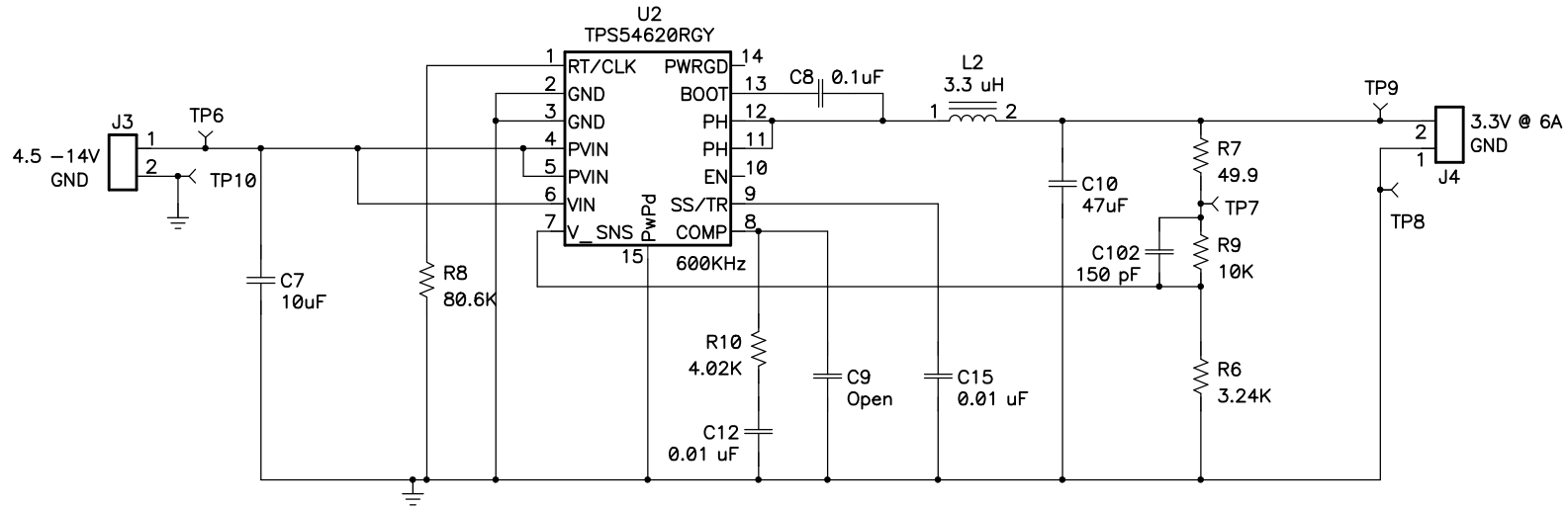
LAYER 4—BOTTOM

PMP4824 REV B



Texas Instruments

Title TPS54620 Test Board		
Size B	Number PMP4854	Rev B
Date 03-25-09	Drawn by R Kollman	
Filename PMP4854_REV_B.SCH	Sheet 1 of 2	



Texas Instruments

Title TPS54620 Test Board		
Size B	Number PMP4854	Rev B
Date 03-25-09	Drawn by R Kollman	
Filename PMP4854_REV_B.SCH		Sheet 2 of 2

Date: 04/16/2009

## PMP4854\_REV\_B BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR
2	C1, C8	0.1uF	Capacitor, Ceramic, 16V, X5R, 20%	0402	STD	STD
2	C101, C102	150 pF	Capacitor, Ceramic, 25V, NPO, 10%	0402	{Part Number}	{MFR}
3	C11, C12, C15	0.01 uF	Capacitor, Ceramic, 25V, X7R, 20%	0402	{Part Number}	{MFR}
3	C2, C3, C10	47uF	Capacitor, Ceramic, 6.3V, X5R, 20%	1206	Std	TDK
3	C4, C7, C14	10uF	Capacitor, Ceramic, 16V, X5R, 20%	0805	C2012X5R1C106M	TDK
0	C5, C9	Open	Capacitor, Ceramic, 25V, NPO, [tol]	0402	{Part Number}	{MFR}
1	C6	3300 pF	Capacitor, Ceramic, 25V, X7R, 20%	0402	{Part Number}	{MFR}
4	J1, J2, J3, J4	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST
1	L1	3.3 uH	Inductor, SMT, 6.9A, 12milliohm	0.382 X 0.394 inch	VLF10045T-3R3N6R9	TDK
1	L2	3.3 uH	Inductor, SMT, yyA, zz-milliohm	0.255 x 0.270 inch	IHLP2525CZER3R3M01	Vishay
2	R1, R7	49.9	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R10	4.02K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
2	R2, R9	10K	Resistor, Chip, 1/16W 1%	0402	Std	Std
2	R3, R8	80.6K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R4	6.49K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
2	R5, R6	3.24K	Resistor, Chip, 1/16W 1%	0402	Std	Std
6	TP1, TP2, TP5, TP6, TP7, TP9 TP3, TP4, TP8,	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
4	TP10	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
2	U1, U2	TPS54620RGY	IC, 1.62V-17V Synchronous Buck PWM Converter with Integrated MOSFET	QFN14	TPS54620RGY	TI

- Notes:
1. These assemblies are ESD sensitive, ESD precautions shall be observed.
  2. These assemblies must be clean and free from flux and all contaminants.  
Use of no clean flux is not acceptable.
  3. These assemblies must comply with workmanship standards IPC-A-610 Class 2.
  4. Ref designators marked with an asterisk (\*\*\*) cannot be substituted.  
All other components can be substituted with equivalent MFG's components.

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