SCT236x E aluation Board User's Guide

FEATURES

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-
- mΩ/18mΩ Rdson of HS/LS Power Ω/18mΩ resistance to minimize the
- Selectable 400KHz, 800KHz, 1.2MHz Selectable 400KHz, 800KHz, 1.2MHz
- Fixed 400KHz
-
- Selectable PWM, PFM and
- Package

APPLICATIONS

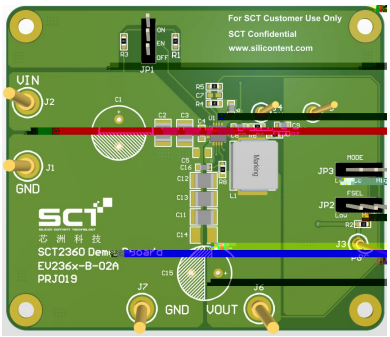
Board Number	IC Number

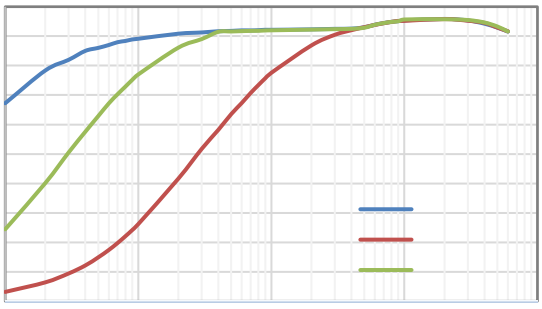
-
- DTV, Monitor/LCD Display
- P
- Industry PC

DESCRIPTION

PERFORMANCE SUMMARY

Parameter	Condition	Value





36X Buck VIN=12V, V=5V, 400kHz

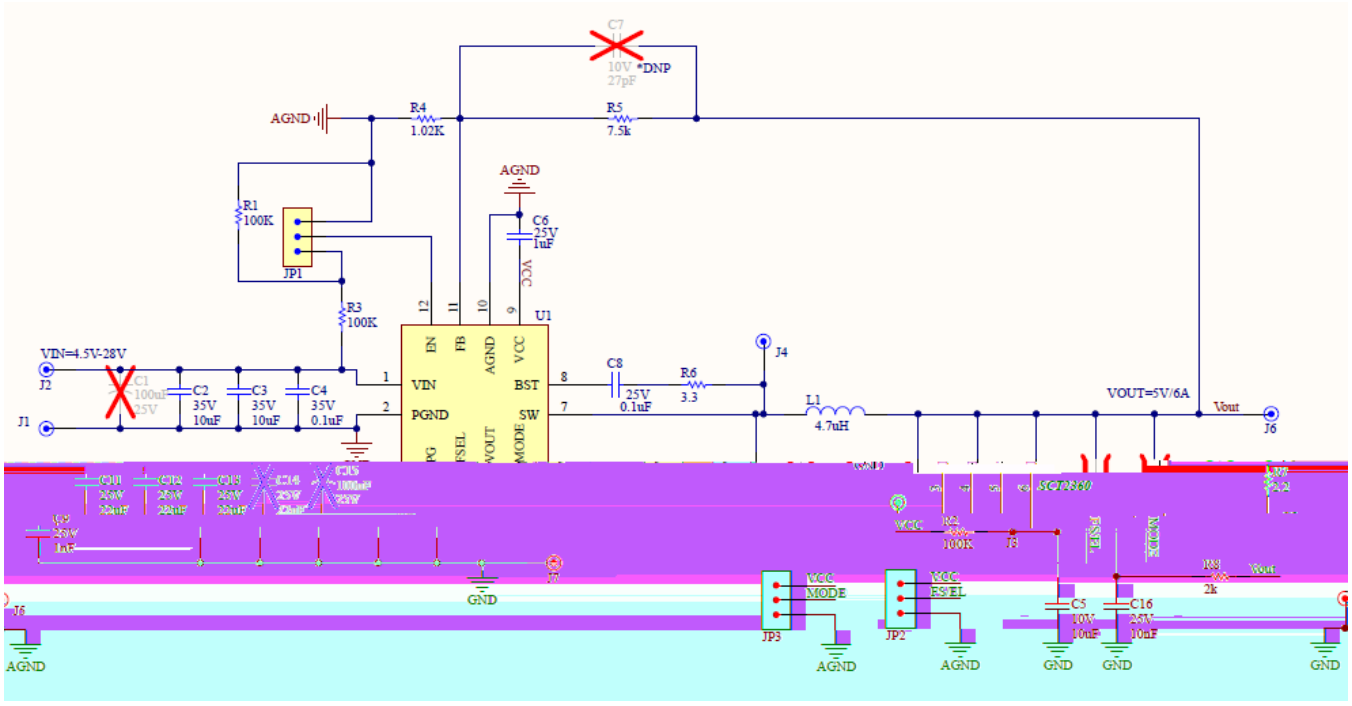
QUICK START PROCESURE

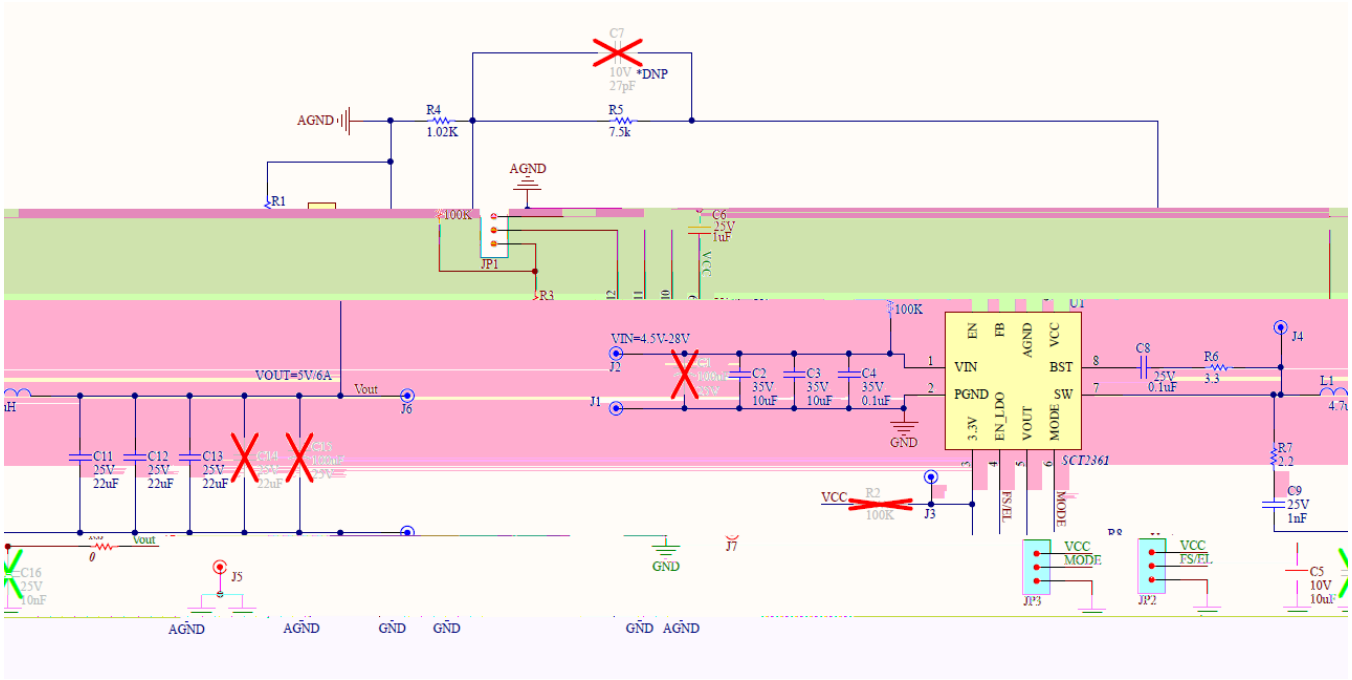
Place jumpers in the following positions:

3: Power Good test point for SCT2360; LDO output for SCT2361.

JP1 Ω

SCHEMATIC DIAGRAM





BILL OF MATERIALS

Footprint	Part Number	Manufacture	Designator	Description	Quantity
Terminal_2.					
Terminal_1.					
			JP1, JP2, JP3	3 pin jumper,	
LHMI				Inductor, 4.7 uH,	
		FH		100k 1% 0603	
		FH		1.02k 1% 0603	
		FH		7.5k 1% 0603	

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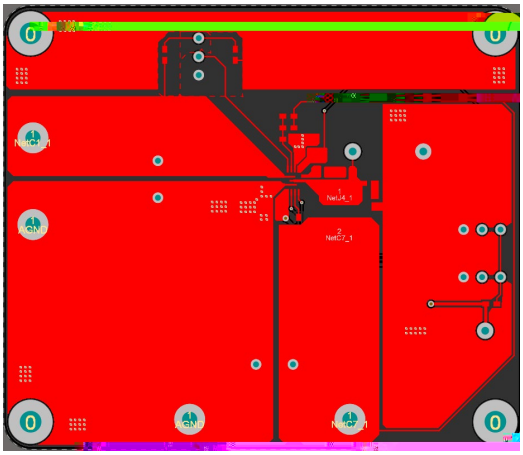
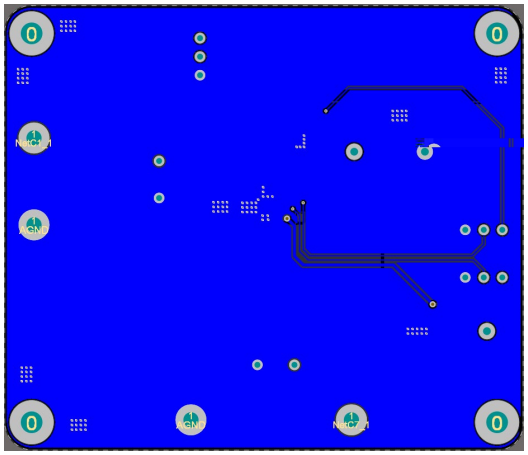
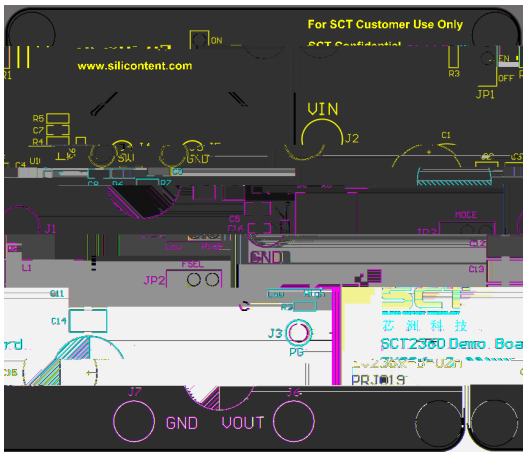
		FH		100k 1% 0603	
		FH		1.02k 1% 0603	
		FH		7.5k 1% 0603	
		FH			

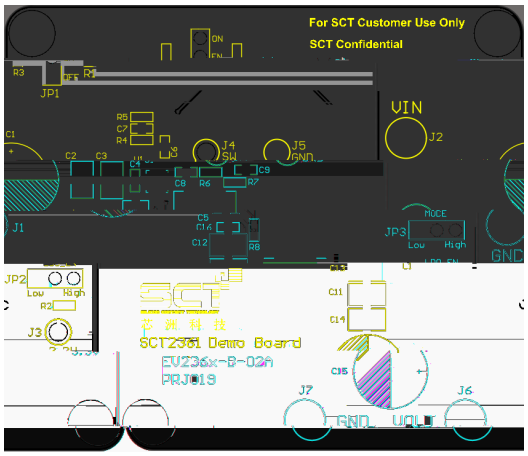
PRINTED CIRCUIT BOARD LAYOUT





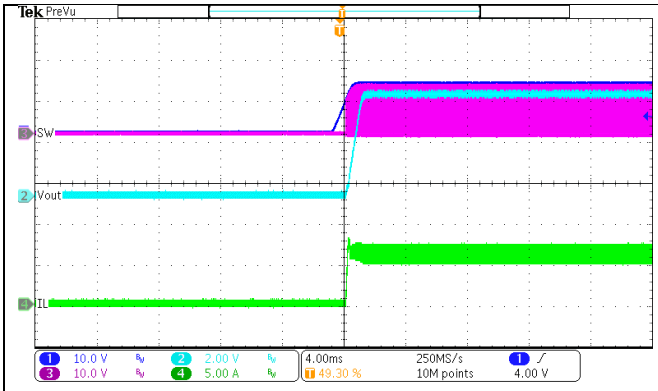


SCT2360EVM Silkscreen Layer



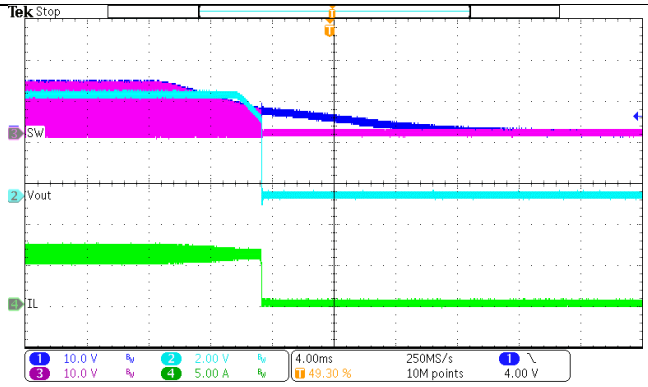
Silkscreen Layer

EVM TEST RESULTS



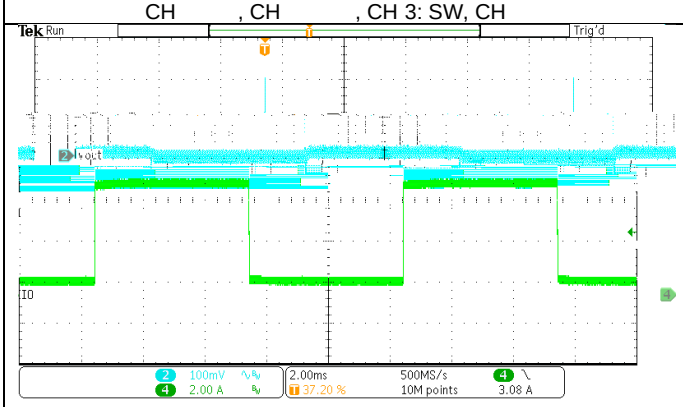
Power Up

CH , CH , CH 3: SW, CH

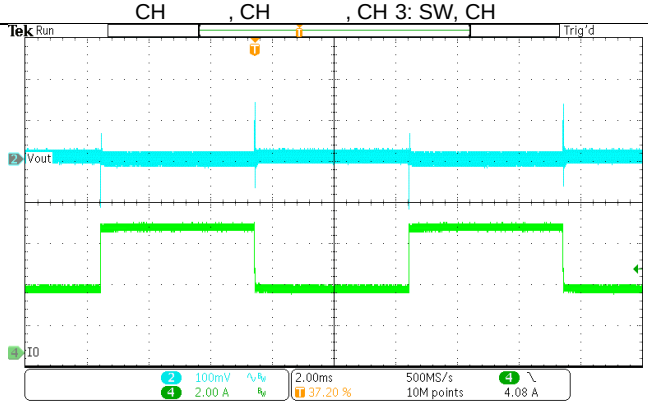


Power Down

CH , CH , CH 3: SW, CH



/us, CH 1: Iout, CH



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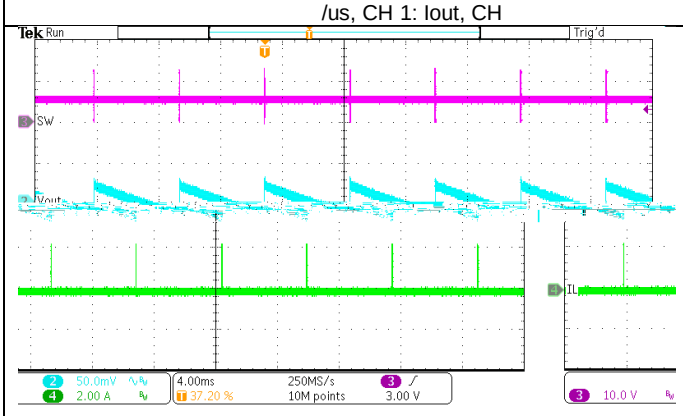
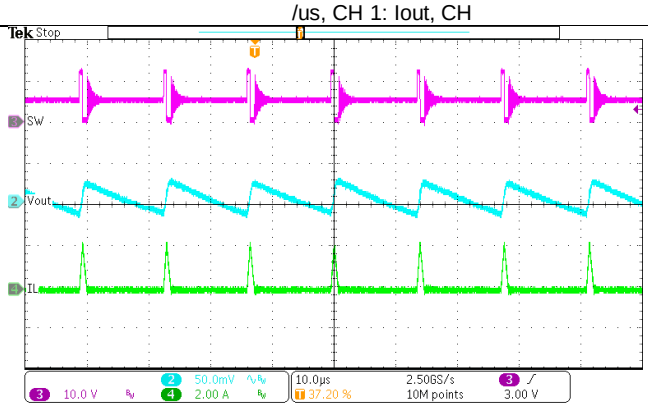
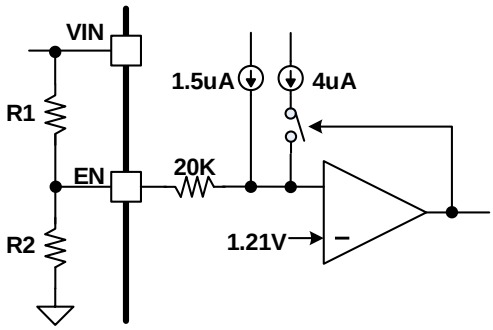


Switching Waveforms and Output Ripple in PSM



OPTIONAL MODIFICATION

Under Voltage Lockout Threshold



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