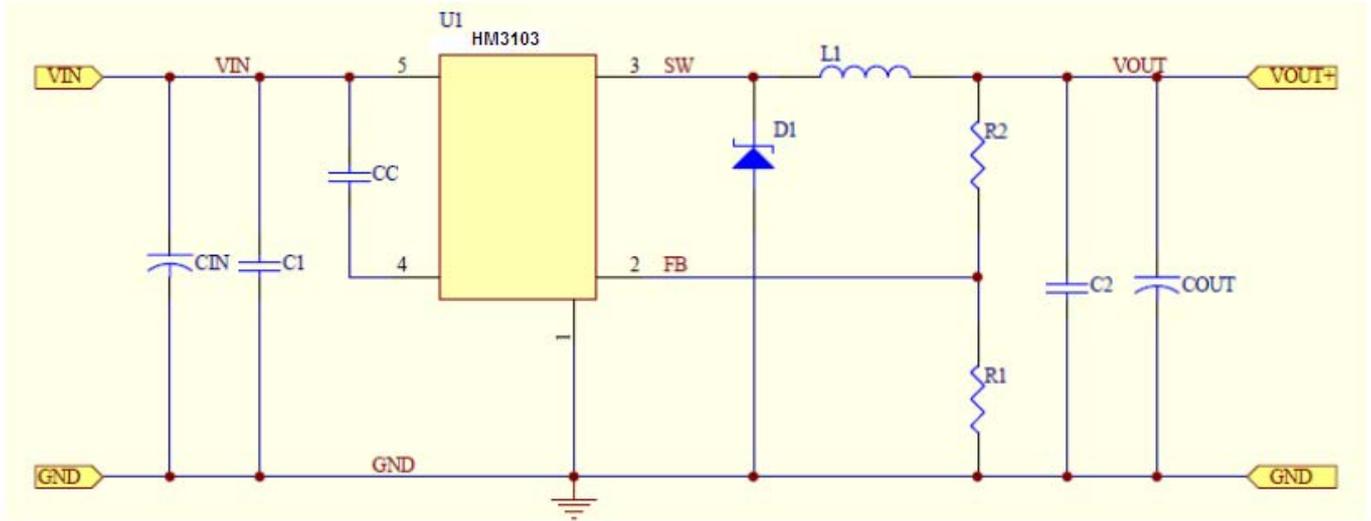


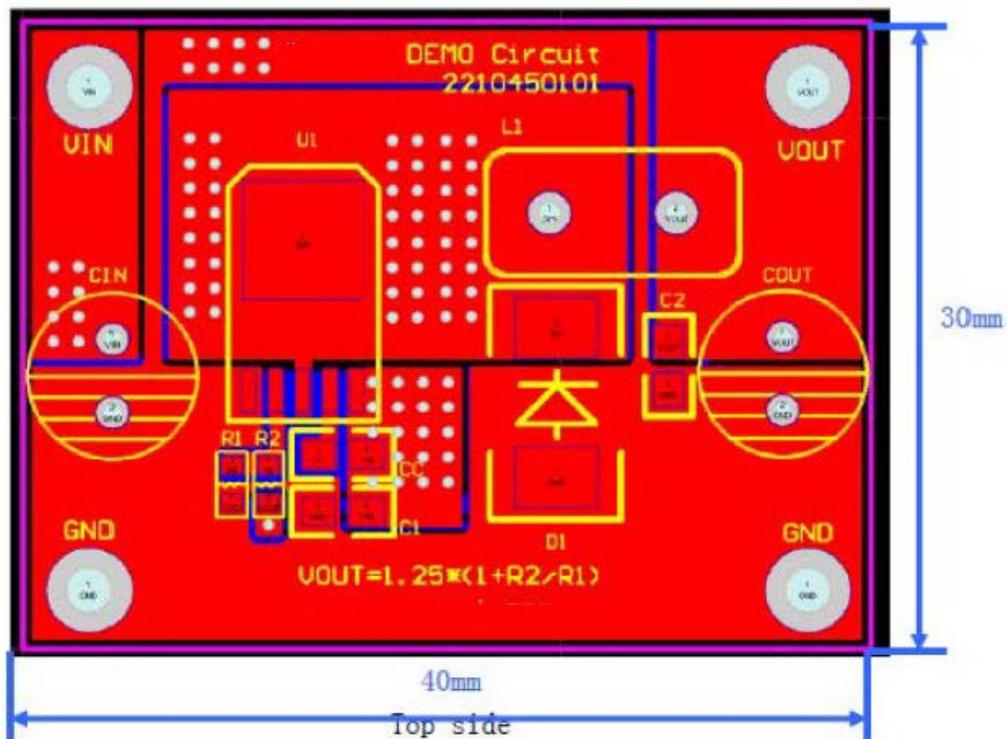
一. 背景信息:

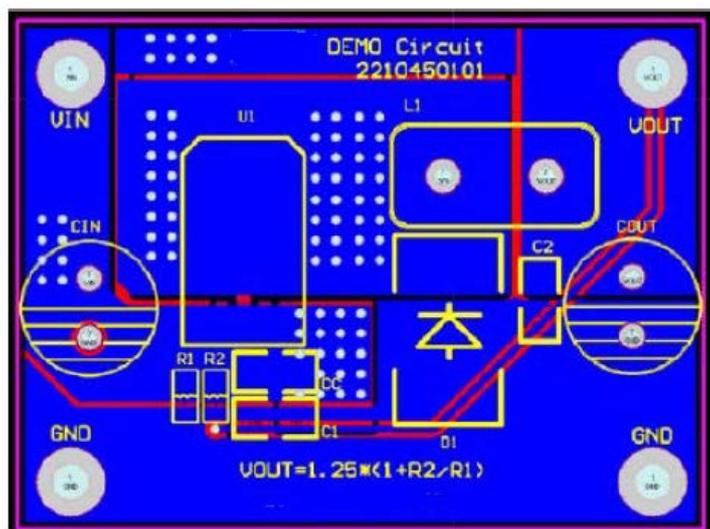
HM3103 为新一代 DC-DC 降压大电流, 高效率开关电源芯片。针对 5V/4A 以内的恒压降压应用, 使用HM3103 制作的 DEMO 板。制板要求: 板厚 1.2mm, 蓝色绝缘漆, 敷铜 36um, 白色丝印。数量: 200PCS。

二. 原理图:



三. PCB layout:





Bottom side

四. 元器件 BOM:

Item	Qty	Ref Des	Description	Mfg Part Number	Mfg
1	3	C1, C2, CC	1uF, 50V, Ceamic, X7R, 0805	C2012X7R1H105K	TDK
2	1	CIN	100uF, 50V, Electrolytic, (8*11.5)	YXA-50V-100uF	Rubycon
3	1	COUT	220uF, 25V, Electrolytic, (8*11.5)	YXA-25V-220uF	Rubycon
4	1	D1	40V, 5A, SMC, Schottky Barrier Rectifier	B540C	Diodes
5	1	L1	47uH, 5A, (14*7)		
6	1	R1	3.3K $\Omega$ , 1%, 1/16W, Thick Film, 0603	RC0603XR-073301	Yageo
7	1	R2	10K $\Omega$ , 1%, 1/16W, Thick Film, 0603	RC0603XR-071002	Yageo
8	1	U1	36V, 4A, BUCK, DC-DC Converter, T0252-5L	HM3103	H&M SEMI