

B626=SX1308=MT3608=AX5523

VIN=2-24V FSW=1.2Mhz 10 = 4A10UT<28V SOT23-6

VEN(H) = 1.5V

VEN(L) = 0.4V

VFB=0.6V

TL431产生2.7V参考电压 Vin=3.7VTL431 -> 2.7VV0UT=16V 1mA < (16V - 2.7V)/R < 500mA10 = 0.9A27<R<13500, 选择R为1K,电流为:13mA

LM321做比较器,比较输入电压是否小于2.7V,小于2.7V输输出0V,大于2.7V输出2.7V 这样TL431产生的2.7V放负极,VIN放正极

> Sheet: / File: B626_VIN3.7V_VOUT16.5V_IO0.9A.kicad_sch Title: Size: A3 Date: KiCad E.D.A. 8.0.5