

SENS\_SUPPLYD + 56 @ 75V V\_IN +12V +12V +12V 1N4148WS R22 1N4148W5 1N4148WS D6 2k D1 D3 GND PWR\_FLAG 🚫 U7 U9 HO 7 (1HO2 7<sub>aH03</sub> HO 7 THO1 C15 C21 2.2u L1D 3 LIN 2.2u L3D 3 LIN H2D 2 HIN 2.2u L2D 3 LIN C13 10u LO 5 CILO2 EG3112 EG3112 EG3112 GND GND GŇD TX4130L 典型应用电路图: Vout: 5V/2A TX4130L: VFB:  $\min=369 \text{ typ}=380 \text{ max}=391 \text{ mV}$  VCS:  $\min=145 \text{ typ}=150 \text{ max}=155 \text{ mV}$ ON/OFF Voltage Filters R9 R11 R13 R1 = R3 R2 = R4 Yout= VFB \* (R2+R1)/R1 lout=VC5/R7 (R7=0.06R -> lo=2.6A) Frequency: Fixed 140kHz Inductance: 33uH-100uH **∧**VCC 2k 2k **^**VCC C14 GND U3 GŇD 100n SENS\_FILTERD SENS\_FILTERD SENS\_FILTERD CYA0650-68UH2 55210 R19 +12V MC74VHC1G66 68uH MC74VHC1G66 M MC74VHC1G66 M GND 0.1R C28 TX4130L/PW2902 ∞ 9 VIN 25 VSEN 7 6 5 LD0 5 10u GND GND GND 22 u R14 ਨੂੰ GND 2k 3 FB1 FB2 4 1k8 P18 GND D4 1N4148WS ₹ 817 **↓** GND 1N5819 D2 BOARD REGULATOR +5٧ https://datasheet.lcsc.com/lcsc/1912231403\_XDS-TX4130L\_C448635.pdf https://www.pwchip.com/en/product/PW2902-174.html AMS1117-3.3 **∧**VCC U6 PWR\_FLAG XL1509-5.0E1 +5٧ 8 GND Vin 1 7 GND Vout 2 6 GND FB 4 C6 C10 C12 CYA0650-68UH1 C8 100n C19 C18 100u@6.3V Jens Overby 100u 100u@6.3V Sheet: /driver/ +12√ File: driver.kicad\_sch GND Title: FOC KING Size: A4 Date: Rev: GND KiCad E.D.A. kicad 6.0.2+dfsg-1 ld: 6/4

r to stance, or (5



