

R22 SENS\_SUPPLYD <del>56</del>k @ 7<del>5∀</del> +12V +12V +12V US1M US1M US1M D7 2k D1 D3 GND PWR\_FLAG 🚫 U6 U7 7 aH02 10HD HO 7 (1HO3 C18 C24 H3D 2 HIN 2.2u L3D 3 LIN 2.2u L1D 3 LIN H2D-2 HIN 2.2u L2D-3 LIN C16 10u LO 5 CILO2 EG3112 EG3112 EG3112 GND GND GND TX4130L 典型应用电路图: Vout: 5V/2A TX4130L: VFB: min=369 typ=380 max=391 mV VCS: min=145 typ=150 max=155 mV ON/OFF Voltage Filters SENS\_3D-R12 R14 R1 = R3 R2 = R4 Yout= VFB \* (R2+R1)/R1 lout=VC5/R7 (R7=0.06R -> lo=2.6A) Frequency: Fixed 140kHz Inductance: 33uH-100uH \_\_\_\_\_2k\_\_\_ GND GND SWD SWD SW9WD P5 P6 P7P8 D8 SWDSWD 6 4 4 +12V CYA0650-68UH2 R20 68uH 47u 100V C25 GND 0.1R C30 C32 TX4130L/PW2902 ∞ 10u 9 VIN 35 VSEN 7
1 VIN > VSS 5
2 VDD LDO 4 R15 Z 22 u R21 - 5.1k 3 FB1 FB2 4 1k8 P19 36k 36k 1N4148WS GND 1N5819 D2 BOARD REGULATOR +5V  $https://datasheet.lcsc.com/lcsc/1912231403\_XDS-TX4130l\_C448635.pdf \\ https://www.pwchip.com/en/product/PW2902-174.html$ AMS1117-3.3 U5 PWR\_FLAG +12V XL1509-5.0E1 +5٧ C8 C12 C14 8 GND Vin 1 7 GND Vout 2 6 GND FB 3 CYA0650-68UH1 C10 100n C22 100u@6.3V Jens Overby GND 0/0 4 SWD 1 100u@6.3V Sheet: /driver/ 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



