

SENS_SUPPLYD + 56 @ 75V +12V +12V +12V 1N4148WS R25 1N4148W5 1N4148WS D6 2k D1 D3 GND PWR_FLAG 🚫 U7 U9 HO 7 (1HO2 HO 7 THO1 C24 C16 2.2u L1D 3 LIN 2.2u L3D 3 LIN H2D 2 HIN 2.2u L2D 3 LIN LO 5 CILO2 EG3112 EG3112 EG3112 GND GŇD TX4130L SENS_2D-SENS_3D-R9 R13 R17 ___2k 2k 2k 典型应用电路图: Vout: 5V/2A TX4130L: GŇD GND GND VFB: min=369 typ=380 max=391 mV VCS: min=145 typ=150 max=155 mV R1 = R3 R2 = R4 Yout= VFB * (R2+R1)/R1 lout=VC5/R7 (R7=0.06R -> lo=2.6A) Frequency: Fixed 140kHz Inductance: 33uH-100uH C_BD-C_CD-CURR_ACT4VHG1G66 CURR_CC174V CYA0650-68UH2 55210 R22 +12V CURR_FILTERD-CURR_FILTERD CURR_FILTERD-S X2 68uH GND 0.1R C15 C20 C22 C10 C29 C30 + C31 TX4130L/PW2902 00 10u 9 VIN 35 VSEN 7
1 VIN > VSS 5
2 VDD LDO 4 22u R15 8 GND GND GND GND 2k 3 FB1 FB2 4 2.2u 1k8 R21 GND D4 1N4148WS 중 R20 **↓** 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 +12V XL1509-5.0E1 +5٧ 8 GND Vin 1 7 GND Vout 2 6 GND FB 4 C6 C11 C13 CYA0650-68UH1 C8 100n C21 C19 100u@6.3V Jens Overby 100u 100u@6.3V Sheet: /driver/ +12√ File: driver.kicad_sch GND Title: WATT'EVER Size: A4 Date: Rev: GND KiCad E.D.A. kicad 6.0.2+dfsg-1 ld: 6/4

r to stance, or (5



