battery connection Buck - Converter 14V / 15A fuse holder resistors to please battery:) filtering input voltage VDD TP7 power inductor + output filtering VDRV TP6 VOUT B+FUSED SIC-VOUT C13 10u 100n SW TP5 C8 10u C6 С9 10u 3.3 - 4.7 uH KEYSTONE-6.3-1217126-1 10*3 C14 SIC-ENABLE ΕN GL B+FUSED PGOOD MODE1 20 3557-2 MODE2 KEYSTONE-6.3-1217126-1 BOOT PHASE C1 100n= KEYSTONE-6.3-1217126-1 AGND B-CHARGE C + 80 + 3*5 PGND SIC431AED-T1-GE3 GND KEYSTONE-6.3-1217126-1 TP2 X4 KEYSTONE-6.3-1217126-1 Mode GND Feedback **VDRV** filtering TP8 UVLO with hysteresis SIC-VDRV SW1 off: SS 6ms I_lim = 18A SW1 on: SS 6ms I_lim = 12A GND R3 11.3k R4 51k 511k TP4 value for SJ1 to be evaluated IC1 GND_UVLO SIC-ENABLE R2 11.5 11.5 8.2 V R12 Battery Output TITLE: Milwaukee M18 to CarJack AUTHOR: Luca Brenner LM393_DIP without Buck-Converter Document Number: REV: qithub.com/BrennerLu/MilwaukeeM18-2-CarJack V0.1 GND Date: 18.05.2023 18:37 |Sheet: 1/1