MIDI Input **MIDI Output** U2 6N138 VCC JP1 R1 220 MIDI Output Bypass 220 10k RX > J2 MIDI IN Or 2n2222, 2n5551. R3 4.7k GND GND MIDI OUT GND GND Î GND GND **User Port ATtiny Micro** vcc J1 U1 ATtiny2313-20P C64-UserPort A GND GND 1 GND GND 👉 LATCH B /FLAG2 5V PA2/RESET PB0 /RST TO O TRST PB0 / D1 D1 D PB1 RST Bypass PB1 CNT1 D2 D3 D2 E PB2 ×5 PAO/XTAL1 PB2 SP1 F PB3 D3 PB3 CNT2 D4 D4 Н ×4 PA1/XTAL2 PB4 PB4 SP2 D5 __D5_ PB5 PB5 /PC2 D6 D6 K PB6 PB6 ATN **ISP** D7 D7 PB7 9VAC 10 PB7 9VAC 11 12 GND PAZ TP4 O M PAZ GND GND PD1 PD3 VCC C1 0.1uF 8 O TP1 PD4 PD4 PD5 9 LATCH PD6 11 O TP3 PD6 MISO MOSI 4 MOSI SCK SCK J3 AVR-ISP-6 MOSI - 10uF GND 101 LED GND GND 220 \uparrow GND https://dcdalrymple.com/C64UserPortMidi D Cooper Dalrymple Sheet: / File: C64UserPortMidi.kicad_sch Title: C64UserPortMidi Size: A Date: 2022-12-11 Rev: v1.0 RevA KiCad E.D.A. kicad 6.0.7+dfsg-1 ld: 1/1