This is a KiCad schematic diagram titled "Kuro65" for a keyboard PCB based on the ATMEGA32U4 microcontroller.

Components and Labels

J2 — USB4085-GF-A (USB connector)
- VBUS — A4 — VCC
- CC1 — A5 — R1 5k1
- CC2 — B5 — R1 5k1 — GND
- D — A7 — DCON — R3 22 — D−
- D — B7 — R2 22
- D+ — A6 — R4 22 — D+
- D+ — B6 — DCON
- SBU1 — A8
- SBU2 — B8
- SHIELD / S1 — A1 — GND
- GND

J1 — ISP
- MISO — 1
- SCK — 3
- RESET — 5
- 2 — VCC
- 4 — MOSI
- 6 — GND

SW1 — SW_RESET
- R5 10k — VCC
- RESET
- GND
- C6 22p
- Y1 16MHz
- C7 22p
- GND

IC1 — ATMEGA32U4
- RESET — 13
- XTAL2 — 16
- XTAL1 — 17
- AREF — 42
- UVcc — 2
- D− — 3
- D+ — 4
- VBus — 7
- Ucap — 6
- UGnd — 5
- VCC — 14, 34
- AVCC — 44, 24

Right-side pins:
- (PCINT7/OC0A/OC1C/RTS)PB7 — 12 — Col2
- (PCINT6/OC1B/OC4B/ADC13)PB6 — 30 — Col13
- (PCINT5/OC1A/OC4B/ADC12)PB5 — 29 — Col12
- (PCINT4/ADC11)PB4 — 28 — Col11
- (PDO/PCINT3/MISO)PB3 — 11 — MISO
- (PDI/PCINT2/MOSI)PB2 — 10 — MOSI
- (PCINT1/SCLK)PB1 — 9 — SCK
- (SS/PCINT0)PB0 — 8 — Col1
- (ICP3/CLK0/OC4A)PC7 — 32 — Col15
- (OC3A/OC4A)PC6 — 31 — Col14
- (T0/OC4D/ADC10)PD7 — 27 — Col10
- (T1/OC4D/ADC9)PD6 — 26 — Col9
- (XCK1/CTS)PD5 — 22 — Col7
- (ICP1/ADC8)PD4 — 25 — Col8
- (TXD1/INT3)PD3 — 21 — Col6
- (RXD1/INT2)PD2 — 20 — Col5
- (SDA/INT1)PD1 — 19 — Col4
- (OC0B/SCL/INT0)PD0 — 18 — Col3
- (HWB)PE2 — 33 — R6 10k — JP1 — GND
- (INT6/AIN0)PE6 — 1
- (ADC7/TDI)PF7 — 36 — Col16
- (ADC6/TDO)PF6 — 37 — Row1
- (ADC5/TMS)PF5 — 38 — Row2
- (ADC4/TCK)PF4 — 39 — Row3
- (ADC1)PF1 — 40 — Row4
- (ADC0)PF0 — 41 — Row5

GND pins: 43, 35, 23, 15

C8 — 1u

Decoupling capacitors (VCC to GND):
- C1 1u
- C2 100n
- C3 100n
- C4 100n
- C5 100n
- C9 100n
- C10 100n
- C11 4u7

Sheet: Switches (File: switches.sch)
- Row1, Row2, Row3, Row4, Row5
- Col1 through Col16