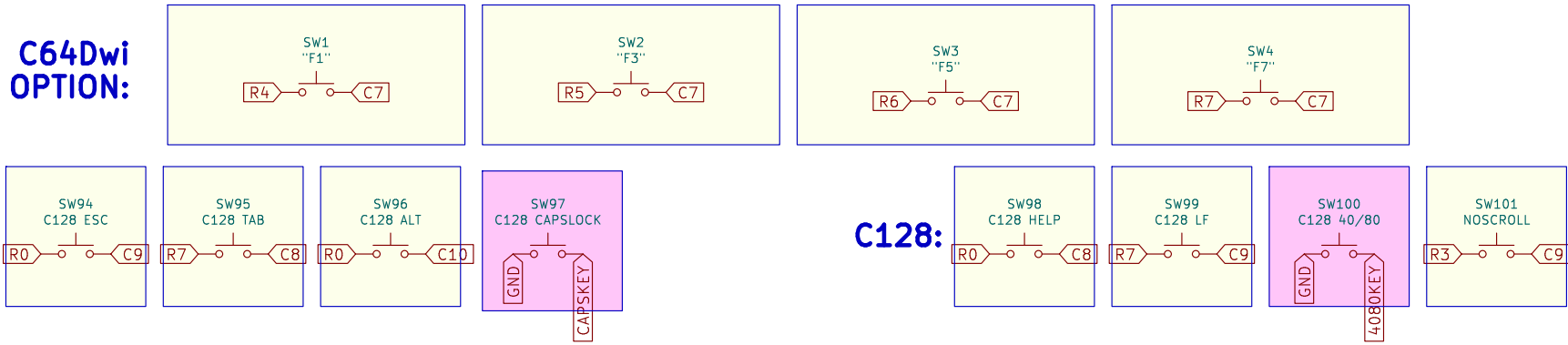
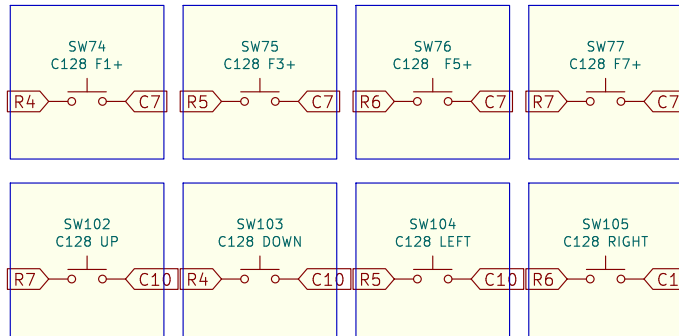


C64Dwi  
OPTION:

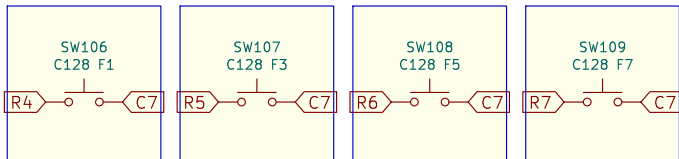


C128 Laptop  
OPTION:

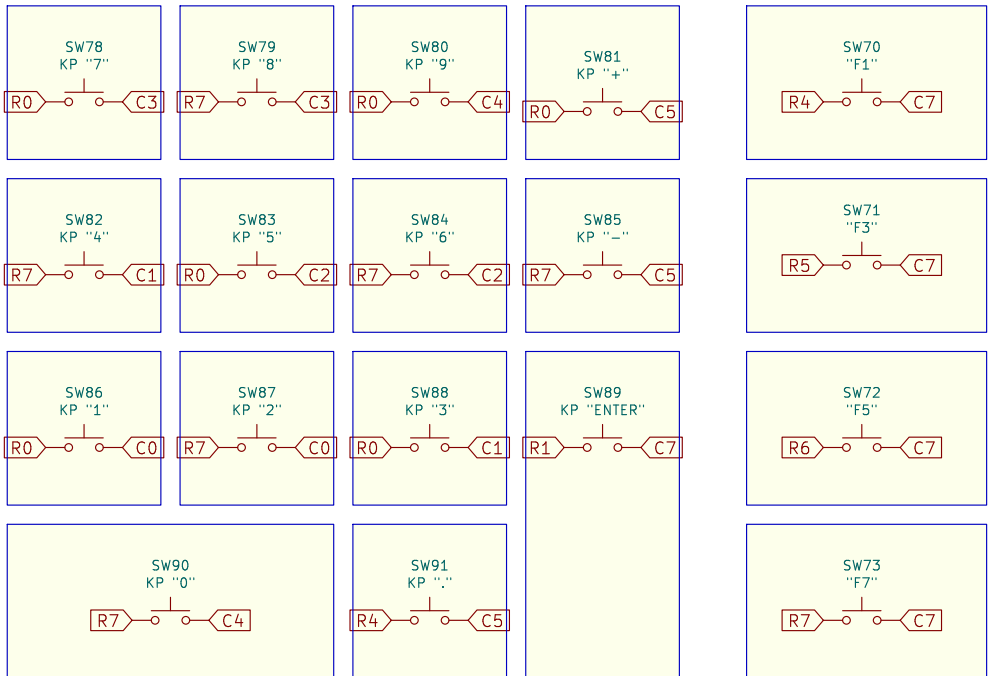


C128 Cursor:

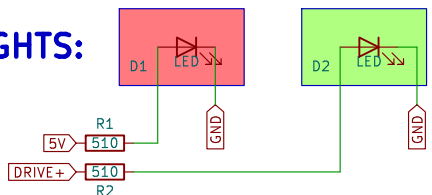
C128:



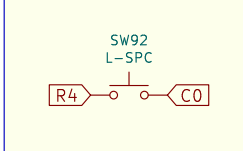
SX64 F-Keys



LIGHTS:



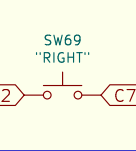
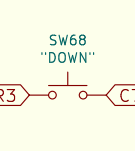
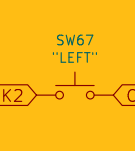
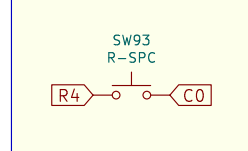
SPACEBAR  
Support



SPACE



SPACEBAR  
Support

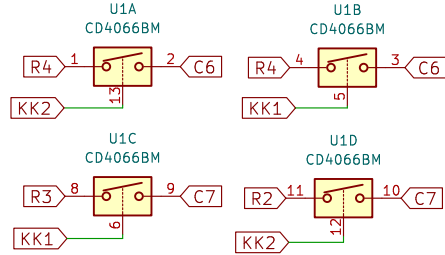
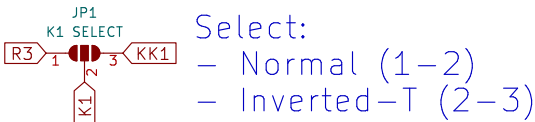


\* Do not populate  
with Inverted-T  
cursor option.

Legend:

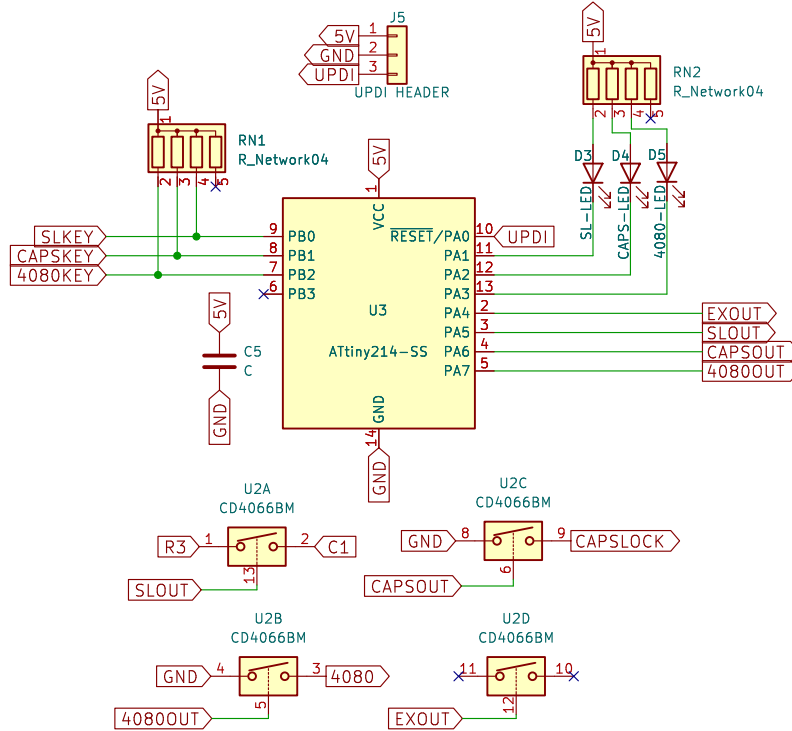
- Normal
- Configurable
- Locking
- Special

INVERTED-T CURSOR

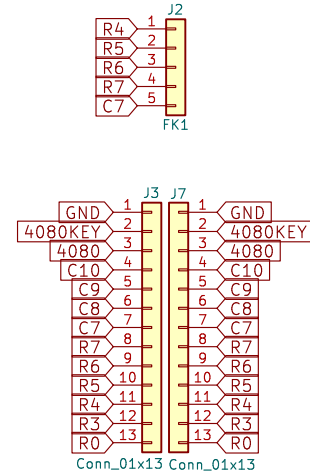


This circuit is taken from the C65 schematics. Two keys K1 and KK2 control 4 lines on the 4066 that simulate pressing the SHIFT and DOWN or RIGHT keys as the same time.

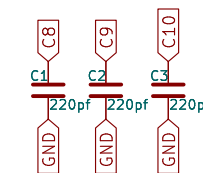
SX64/C128 LOCKING KEYS



BLOCK HEADERS



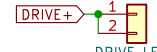
C128 CAPS



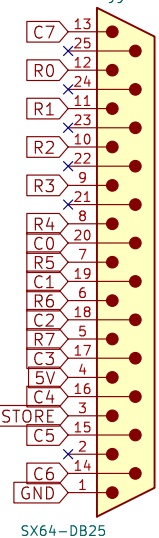
POWER TAP



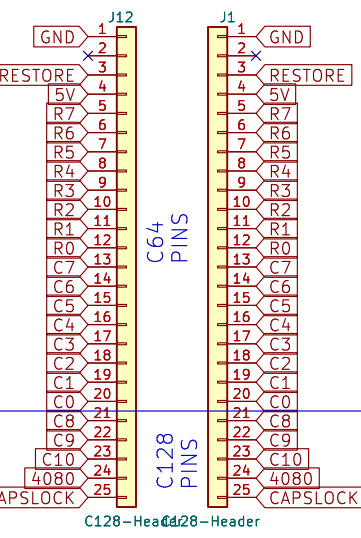
POWER TAP



SX64/C64  
DB25



C128/C64  
HEADER



NOTES: The ROW and COL designations are based on the original VIC-20 keyboard pinout, which is a variation of the PET pinout. The SX64/C64 DB25 does not connect LED, SHIFTLOCK, or extra GND pins. SHIFTLOCK is handled by onboard circuitry, and requires +5V to be present on pin 4.

DESCRIPTION

Multi-configurable MX Keyboard:

- C128 Standard Layout
- C128 Optional F-Keys replacing top Cursor.
- C128 Optional Inverted-T Cursor.
- C128 "Laptop" without Numeric Pad.
- C128 numpad implemented as duplicate C64 keys.
- SX-64 Standard Layout with DB25 plug.
- SX-64 Optional Inverted-T Cursor for modded case.
- C64 "Pro" with numpad and Inverted-T cursor.
- C64D "What If?" Keyboard with Plus/4 style F-keys.

FEATURES

- Standard 6U SPACEBAR with stabilizer support.
- OptionL 9U SPACEBAR using additional support keys.
- SHIFTLOCK toggle circuit with LED support.
- CAPSLOCK and 40/80 toggle with LED support.
- Inverted-T using C65-style SHIFT control.
- Power and Drive Activity LEDs.

REVISIONS

- Sent to JLC on 2023-09-01
- \* Extra fee for "too many slots"
- \* Separator holes too big. Must reduce to 1.8mm

NOTES

- SX-64 Keyboard thickness:
- Bottom to Top of keycaps...: 19.0 mm
- Bottom to Bottom of keycaps...: 9.0 mm
- Keycap height (tallest).....: 10.0 mm
- Top of Pcb to bottom of keycap: 4.8 mm
- PCB+Shield.....: 3.2 mm

Updated: 2023-09-01

C128SX MX KEYBOARD  
CSX-V1-R1

Steve J. Gray		
Sheet: /		
File: C128SX-mx.kicad_sch		
Title: C128SX Keyboard		
Size: A2	Date: 2023-09-01	Rev: CSX-V1-R1
KiCad E.D.A.	kicad 7.0.6	Id: 1/1