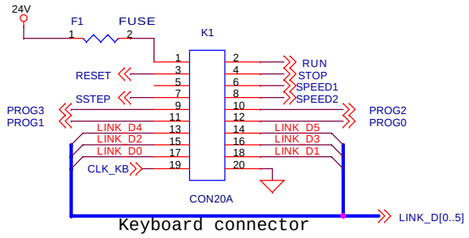
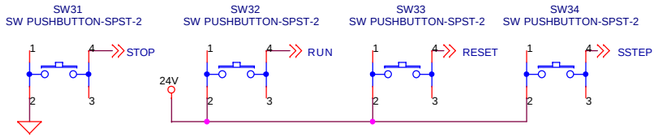
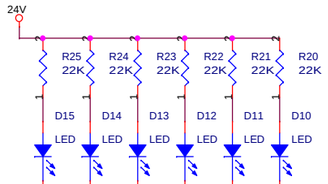


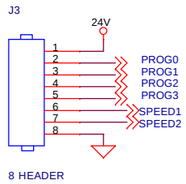
Keyboard connector



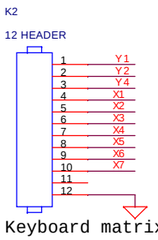
RESET must be pressed together
with SSTEP to be effective



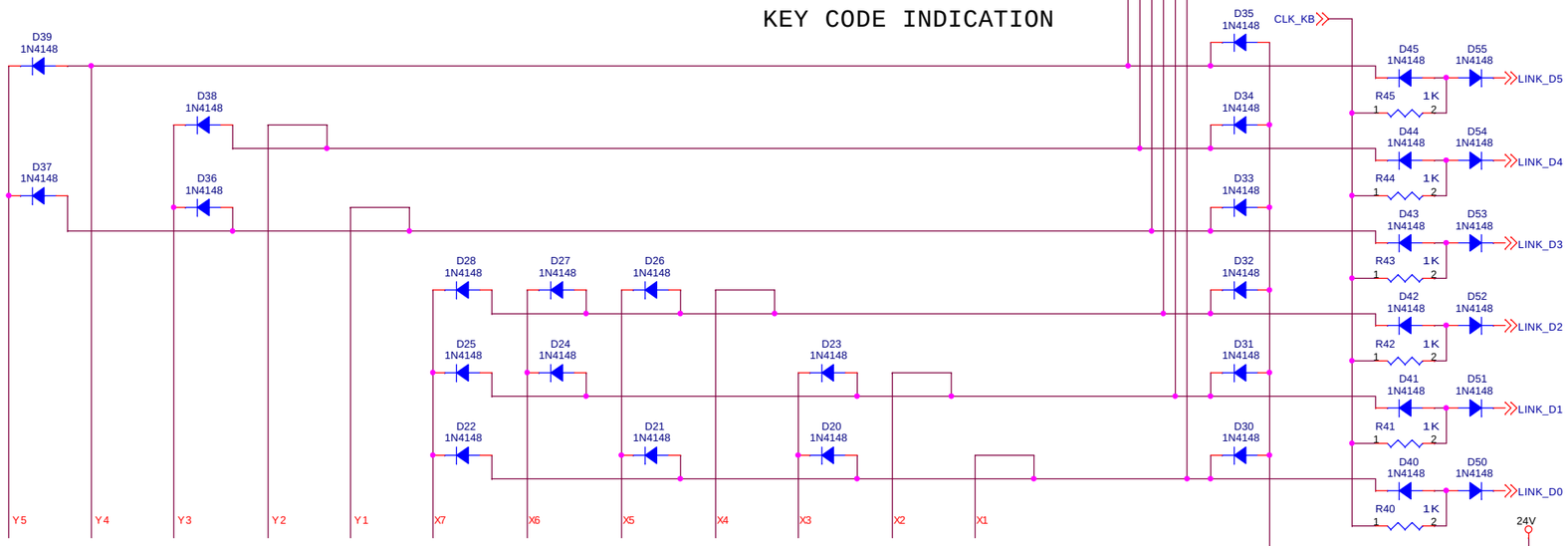
KEY CODE INDICATION

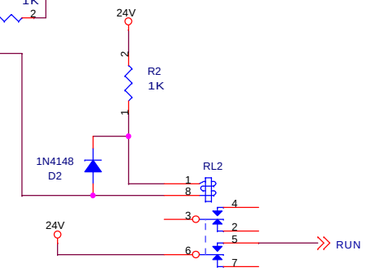


PROGRAM SELECTOR
SPEED SELECT



Keyboard matrix expansion





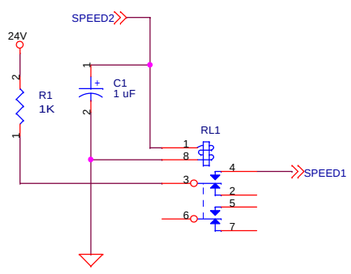
	X7	X6	X5	X4	X3	X2	X1	X0
Y5	nc	nc	nc	nc	nc	nc	D9	D8
Y4	D7	D6	D5	D4	D3	D2	D1	D0
Y3	#31	#30	#29	#28	#27	#26	#25	#24
Y2	#23	#22	#21	#20	#19	#18	#17	#16
Y1	#15	#14	#13	#12	#11	#10	#9	#8
Y0	#7	#6	#5	#4	#3	#2	#1	nc

User button matrix 10 buttons for 0-9
buttons #7, #22 - #31 unused

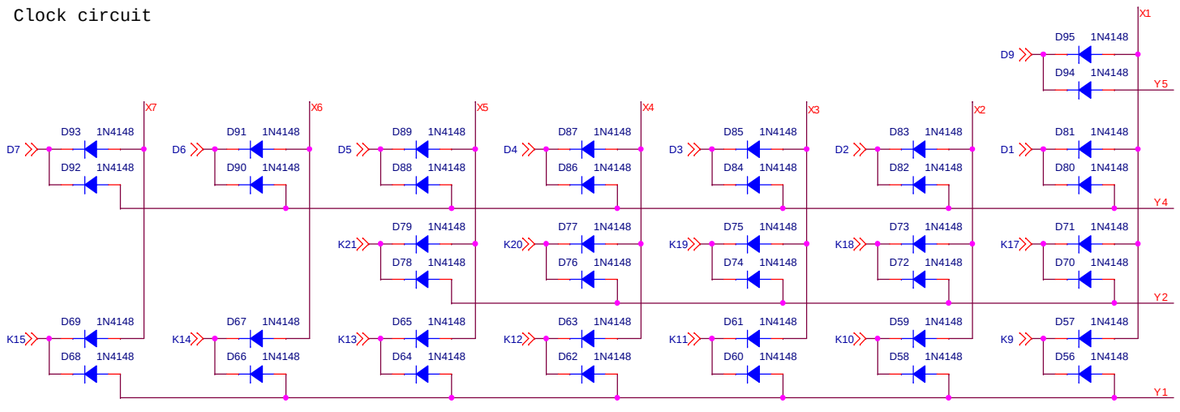
Wires X0 and Y0 are not connected

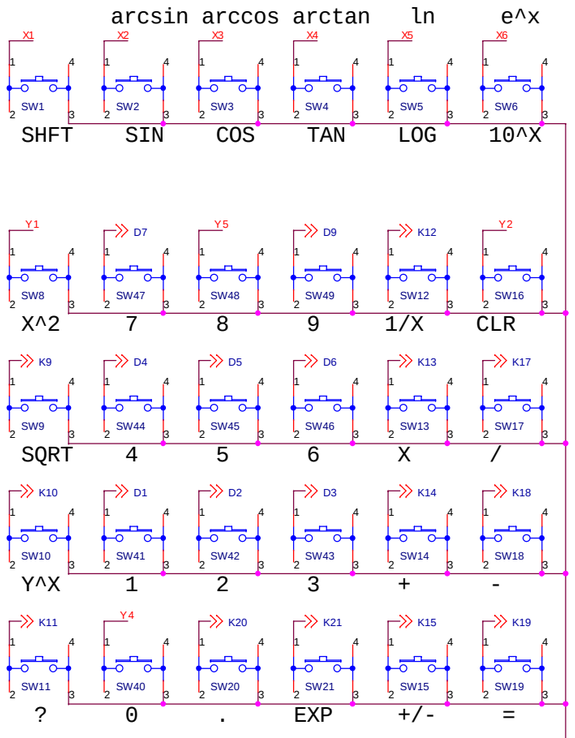
Buttons 'connected' to X0 or Y0
connect only to a single X or Y line

For codes #1 - #8, #16, #24, D0, D8



Clock circuit





RISC Relay CPU
KEYBOARD
KB1803

The resulting bits must be inverted to obtain the button code
Bit5 will indicate if it is a 0 - 9 digit or another button