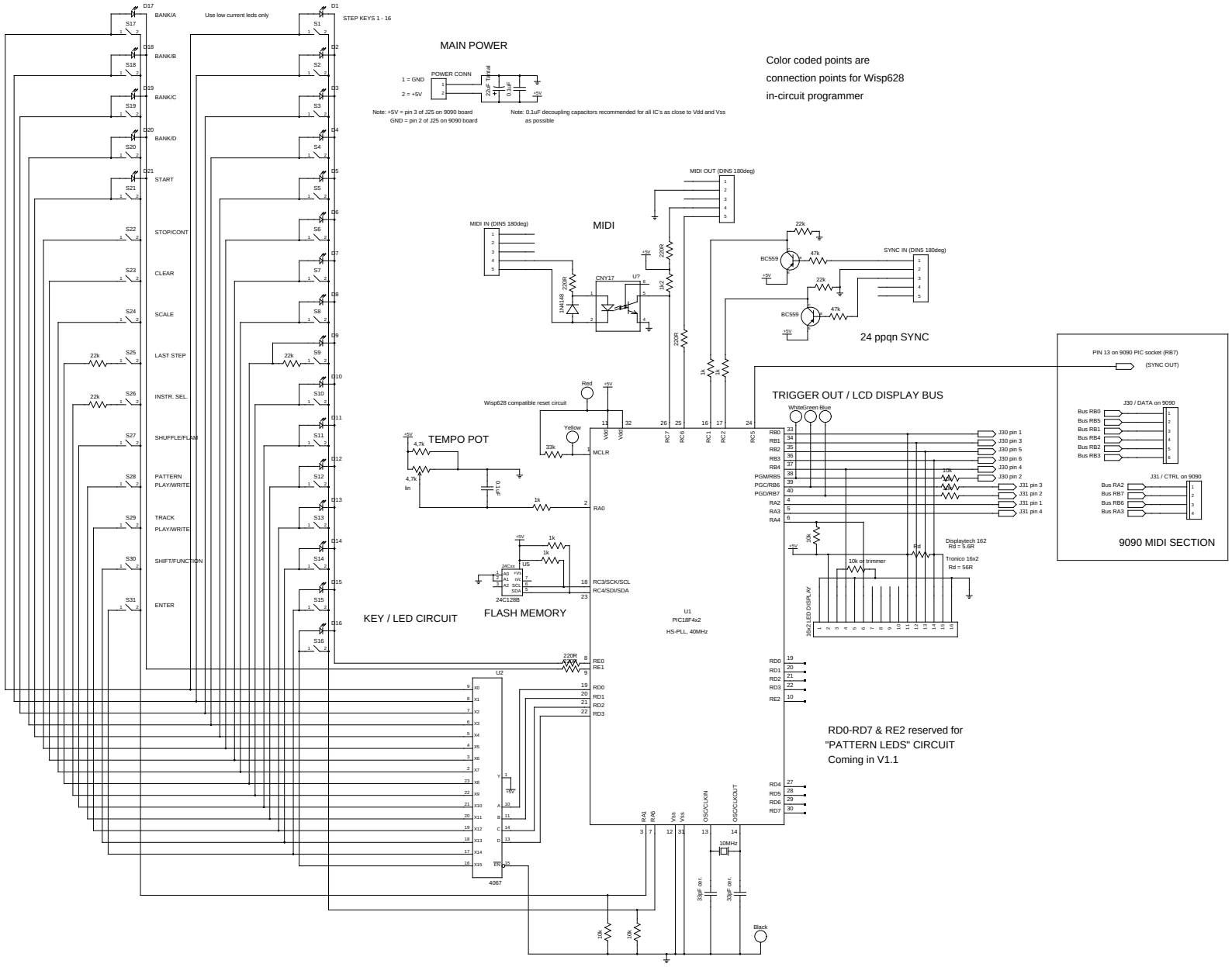
MAIN POWER
POWER CONN
1 = GND
2 = +5V
Note: +5V = pin 3 of J25 on 9090 board
GND = pin 2 of J25 on 9090 board
Note: 0.1uF decoupling capacitors recommended for all IC's as close to Vdd and Vss as possible
Color coded points are connection points for Wisp628 in-circuit programmer
MIDI
MIDI OUT (DIN5 180deg)
MIDI IN (DIN5 180deg)
SYNC IN (DIN5 180deg)
24 ppqn SYNC
TRIGGER OUT / LCD DISPLAY BUS
Wisp628 compatible reset circuit
TEMPO POT
KEY / LED CIRCUIT
FLASH MEMORY
24C128B
U1
PIC18F4x2
HS-PLL, 40MHz
4067
PIN 13 on 9090 PIC socket (RB7)
(SYNC OUT)
J30 / DATA on 9090
J31 / CTRL on 9090
9090 MIDI SECTION
Displaytech 162
Rd = 5.6R
Tronico 16x2
Rd = 56R
10k or trimmer
16x2 LED DISPLAY
RD0-RD7 & RE2 reserved for
"PATTERN LEDS" CIRCUIT
Coming in V1.1
BANK/A
BANK/B
BANK/C
BANK/D
START
STOP/CONT
CLEAR
SCALE
LAST STEP
INSTR. SEL.
SHUFFLE/FLAM
PATTERN PLAY/WRITE
TRACK PLAY/WRITE
SHIFT/FUNCTION
ENTER
Use low current leds only
STEP KEYS 1 - 16