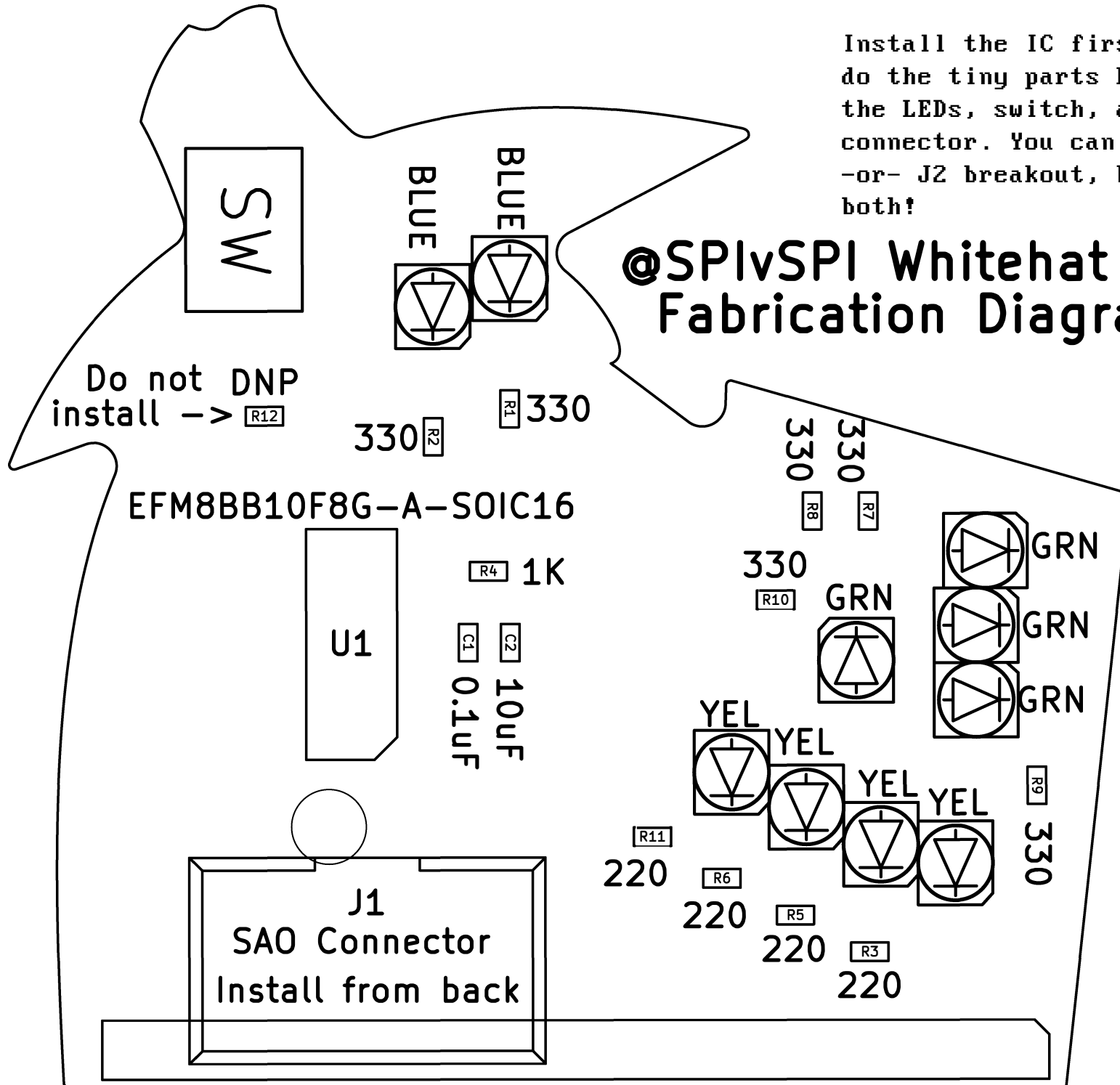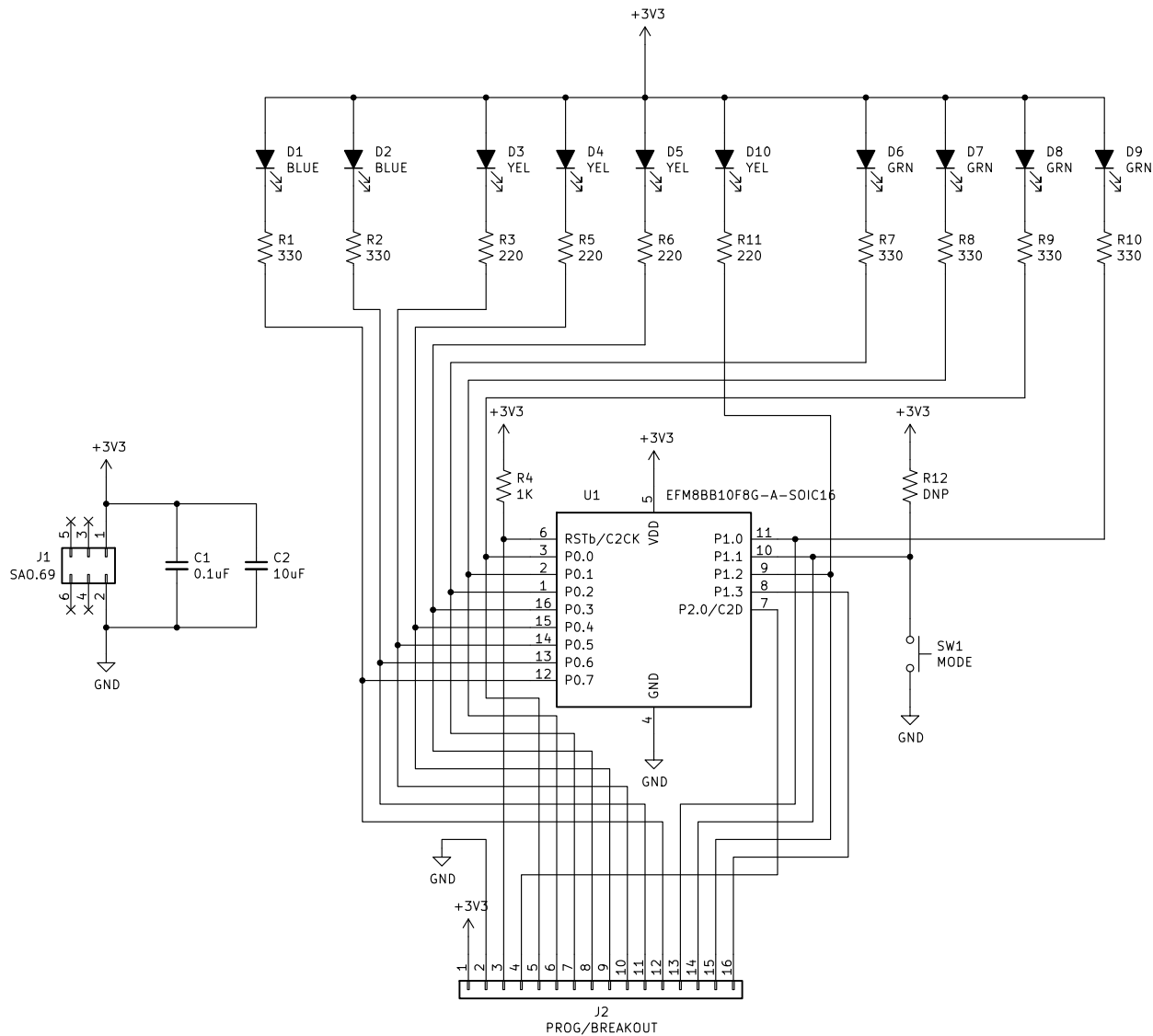SW

BLUE BLUE

Install the IC first Then do the tiny parts Finally the LEDs, switch, and SAO connector. You can do SAO -or- J2 breakout, but no both!

@SPIvSPI Whitehat Spy Fabrication Diagram

Do not DNP install -> R12

330 R2

R1 330

330 330
R8 R7
330

EFM8BB10F8G-A-SOIC16

R4 1K

U1

C1 C2
0.1uF 10uF

R10 GRN

GRN

GRN

GRN

YEL YEL

YEL YEL

R9 330

R11
220

R6
220

R5
220

R3
220

J1
SAO Connector
Install from back

Install J2 only after removing J1.
Use it for a breakout/dev board!

+3V3

D1 BLUE D2 BLUE D3 YEL D4 YEL D5 YEL D10 YEL D6 GRN D7 GRN D8 GRN D9 GRN

R1 330 R2 330 R3 220 R5 220 R6 220 R11 220 R7 330 R8 330 R9 330 R10 330

+3V3

+3V3

R4 1K

U1
EFM8BB10F8G–A–SOIC16

+3V3

R12 DNP

+3V3

6 RSTb/C2CK   VDD   5
3 P0.0   P1.0 11
2 P0.1   P1.1 10
1 P0.2   P1.2 9
16 P0.3   P1.3 8
15 P0.4   P2.0/C2D   7
14 P0.5
13 P0.6
12 P0.7   GND

4 GND

GND

SW1 MODE

GND

+3V3

J1
SAO.69

5 3 1
6 4 2

C1 0.1uF   C2 10uF

GND

GND

+3V3

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

J2
PROG/BREAKOUT