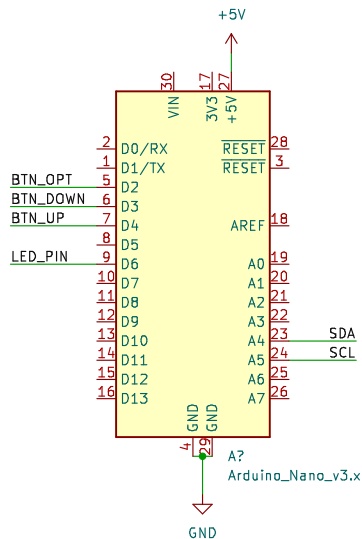
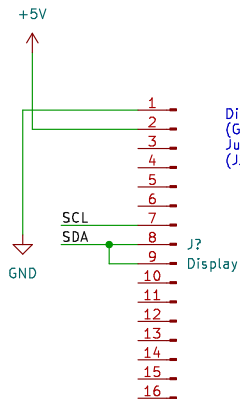


Power supplied by USB

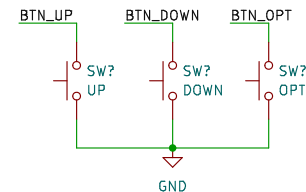


User Controls



Display: LOD-H02004DP-G
(Green OLED based on US2066)
Jumper resistors set for I2C Mode
(J2 moved to GND)

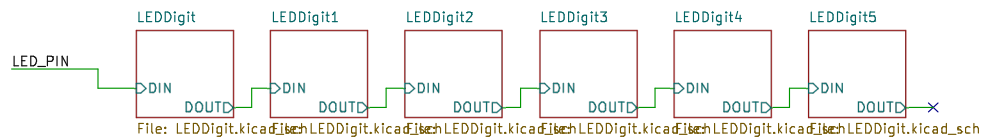
Buttons pulled up by arduino



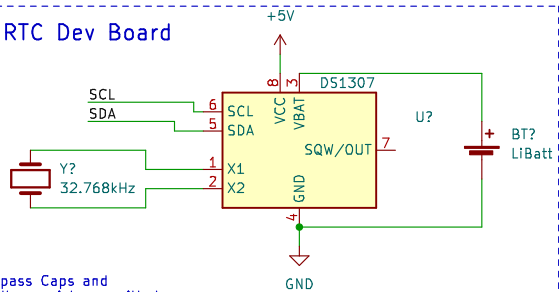
Opt:
Press - Enter
Long press - Back/Menu

Front LED Display

Digits are wired in sequence of Most to Least Significant, i.e. reading order



RTC Dev Board



Bypass Caps and
pullup resistors omitted

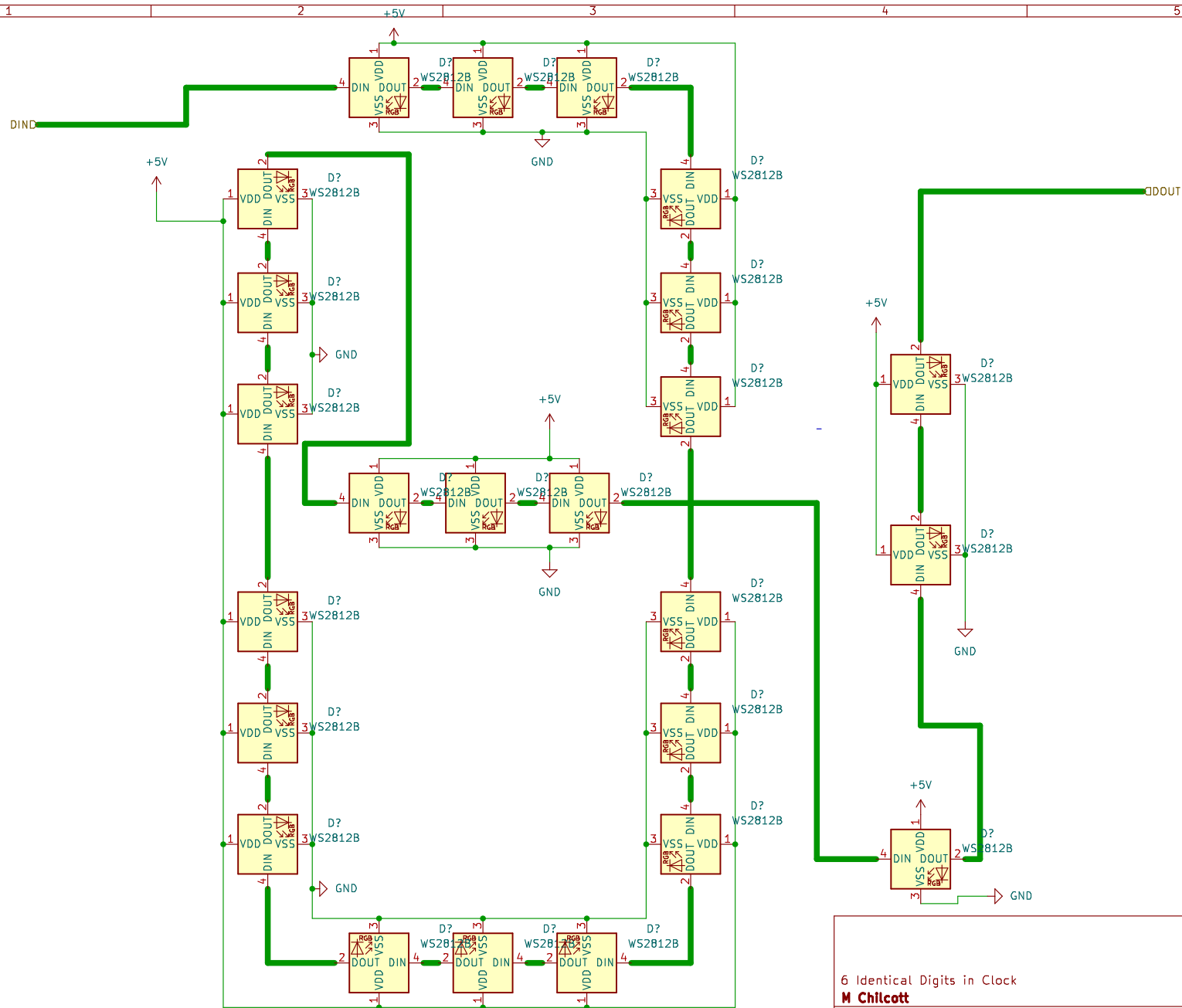
M Chilcott

Sheet: /
File: BigClockSch.kicad_sch

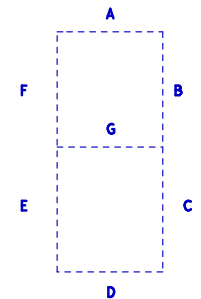
Title: KOALA Clock

Size: A4 Date:
KiCad E.D.A. eeschema 6.0.11+dfsg-1~bpo11+1

Rev:
Id: 1/7



Segment labels (and order)



Then decimal point,
then colon

Numeric bit strings of form abcdefg
(1 = segment on)

Char	Bitstring
0	1111110
1	0110000
2	1101101
3	1111001
4	0110011
5	1011011
6	1011111
7	1110000
8	1111111
9	1110011

6 Identical Digits in Clock

M Chilcott

Sheet: /LEDDigit/

File: LEDDigit.kicad_sch

Title: KOALA Clock – Digit

Size: A4

Date:

KiCad E.D.A. eeschema 6.0.11+dfsg-1~bpo11+1

Rev:

Id: 2/7