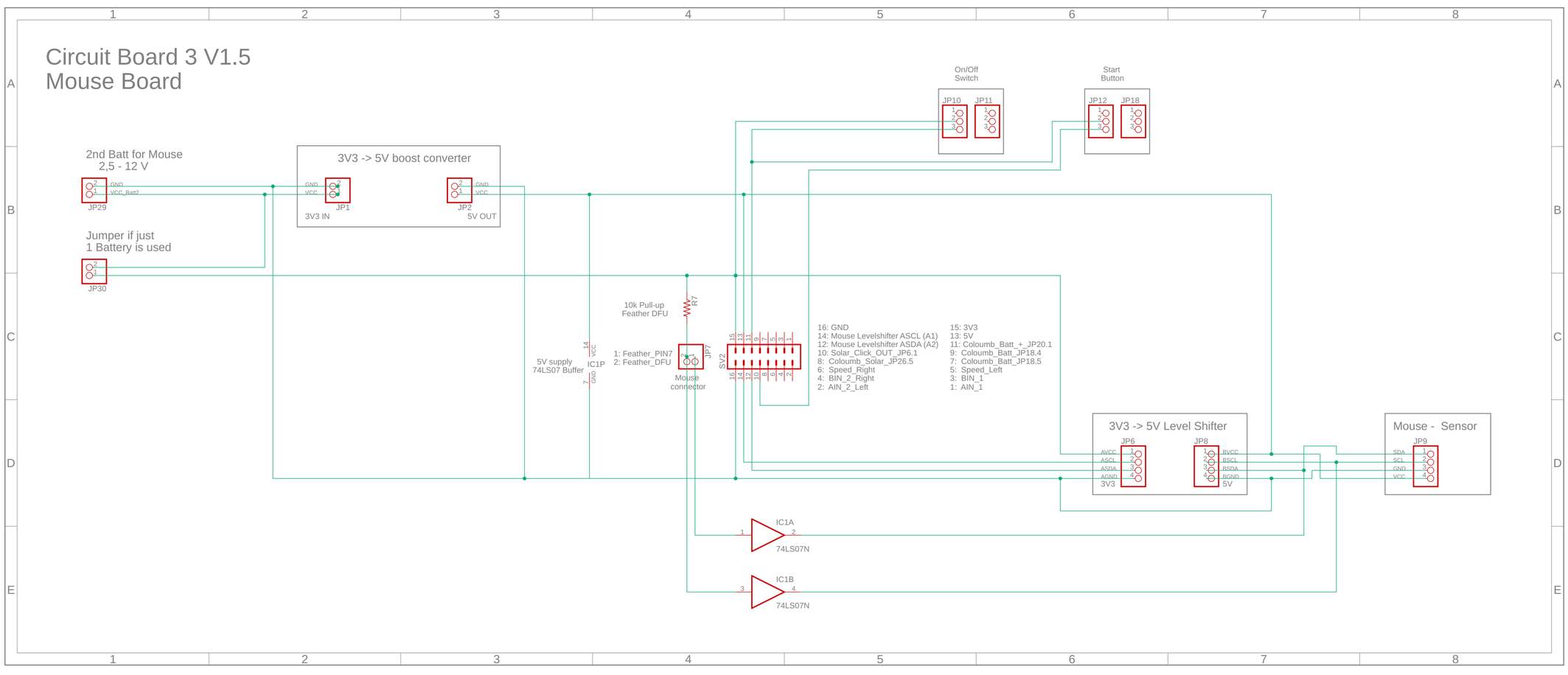
Circuit Board 3 V1.5
Mouse Board
On/Off Switch
JP10
JP11
Start Button
JP12
JP18
2nd Batt for Mouse
2,5 - 12 V
JP29
GND
VCC_Bat2
3V3 -> 5V boost converter
GND
VCC
JP1
3V3 IN
JP2
5V OUT
Jumper if just
1 Battery is used
JP30
10k Pull-up
Feather DFU
R7
5V supply
74LS07 Buffer
IC1P
1: Feather_PIN7
2: Feather_DFU
JP7
Mouse
connector
SV2
16: GND
14: Mouse Levelshifter ASCL (A1)
12: Mouse Levelshifter ASDA (A2)
10: Solar_Click_OUT_JP6.1
8: Coloumb_Solar_JP26.5
6: Speed_Right
4: BIN_2_Right
2: AIN_2_Left
15: 3V3
13: 5V
11: Coloumb_Batt_+_JP20.1
9: Coloumb_Batt_JP18.4
7: Coloumb_Batt_JP18.5
5: Speed_Left
3: BIN_1
1: AIN_1
3V3 -> 5V Level Shifter
JP6
AVCC
ASCL
ASDA
AGND
3V3
JP8
BVCC
BSCL
BSDA
BGND
5V
Mouse - Sensor
JP9
SDA
SCL
GND
VCC
IC1A
74LS07N
IC1B
74LS07N