

3.3V Power Indicator

Only IO4, IO25, and IO26 are IN USE.

LED VF: 1.3V, IF= 20mA, R = 1.3V/20mA = 65ohm

Extra pads for PCB options

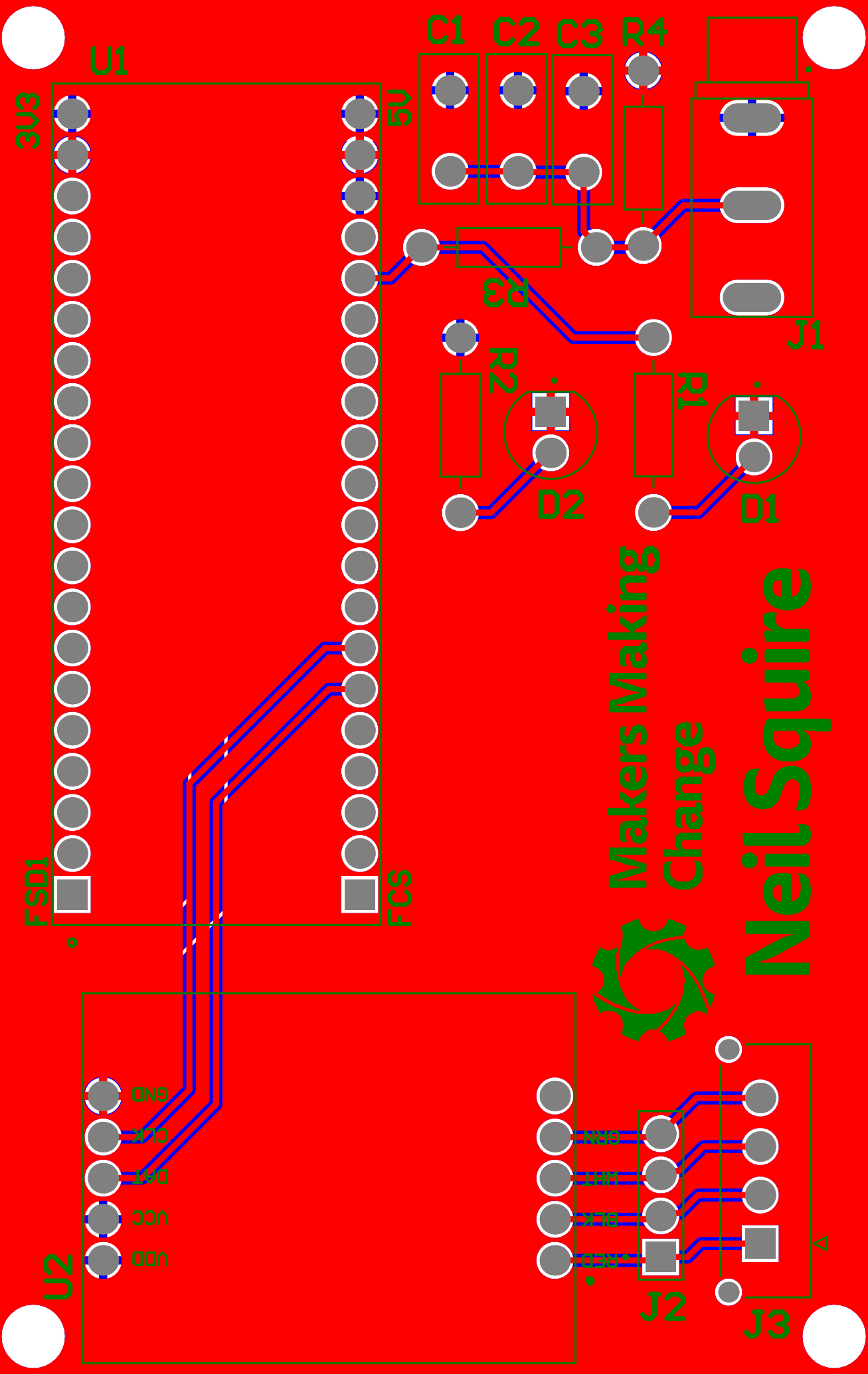
To Button Under Test (3.5mm mono cable)

Communicate over USB Serial with GUI

U2
VDD VCC
5V 10
9
IO25 8
IO26 7
6
GND
LOAD CELL AMPHX711
1568-1436-ND

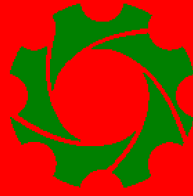
J2
1 1
2 2
3 3
4 4
1x4 Header
J3
RED 1
BLK 2
WHT 3
GRN 4
Molex 436500427

Title		
Size A4	Number	Revision
Date: 4/24/2023	Sheet of	
File: C:\Users\...\CG65_Schematics.SchDoc	Drawn By:	

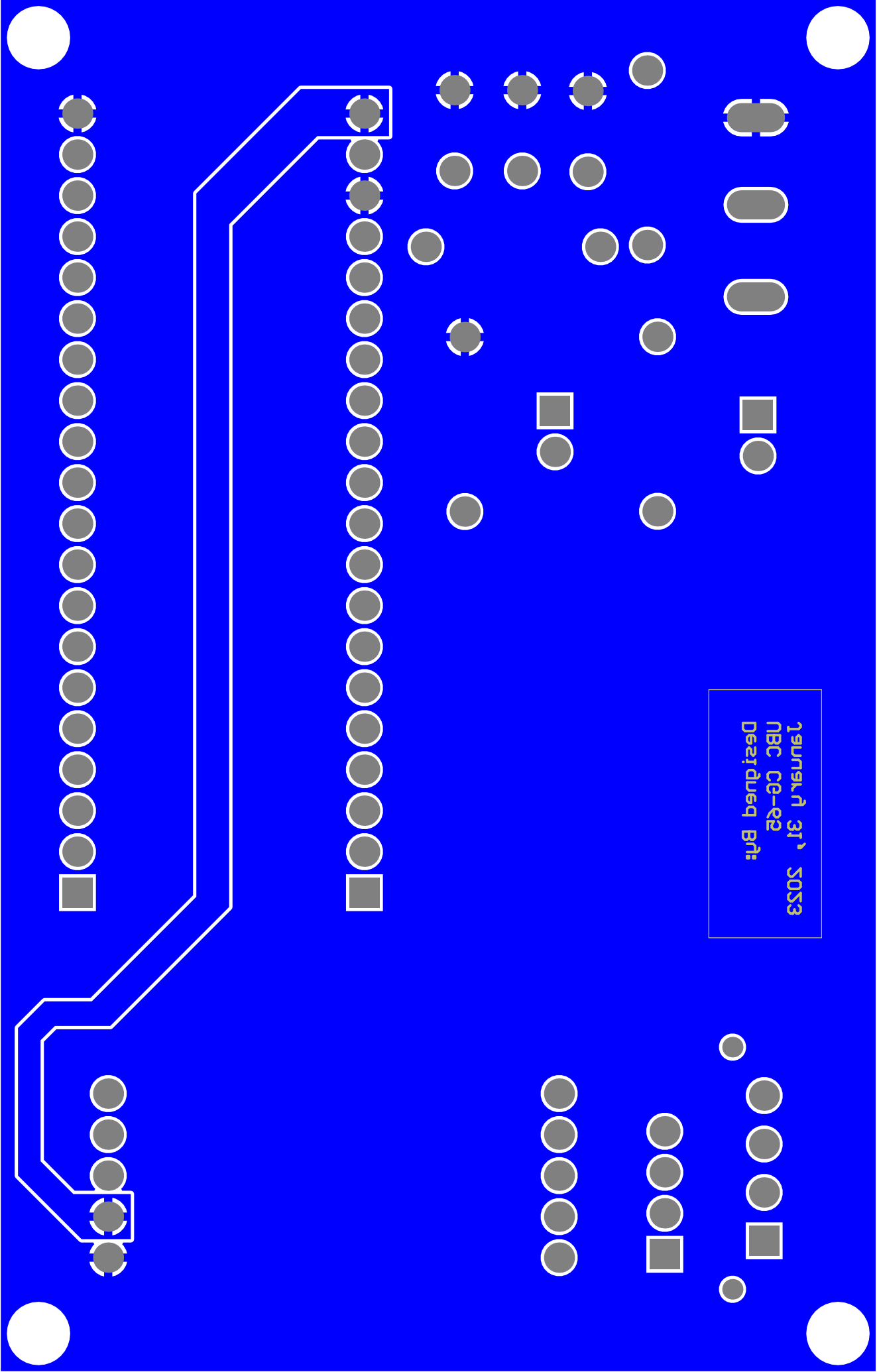


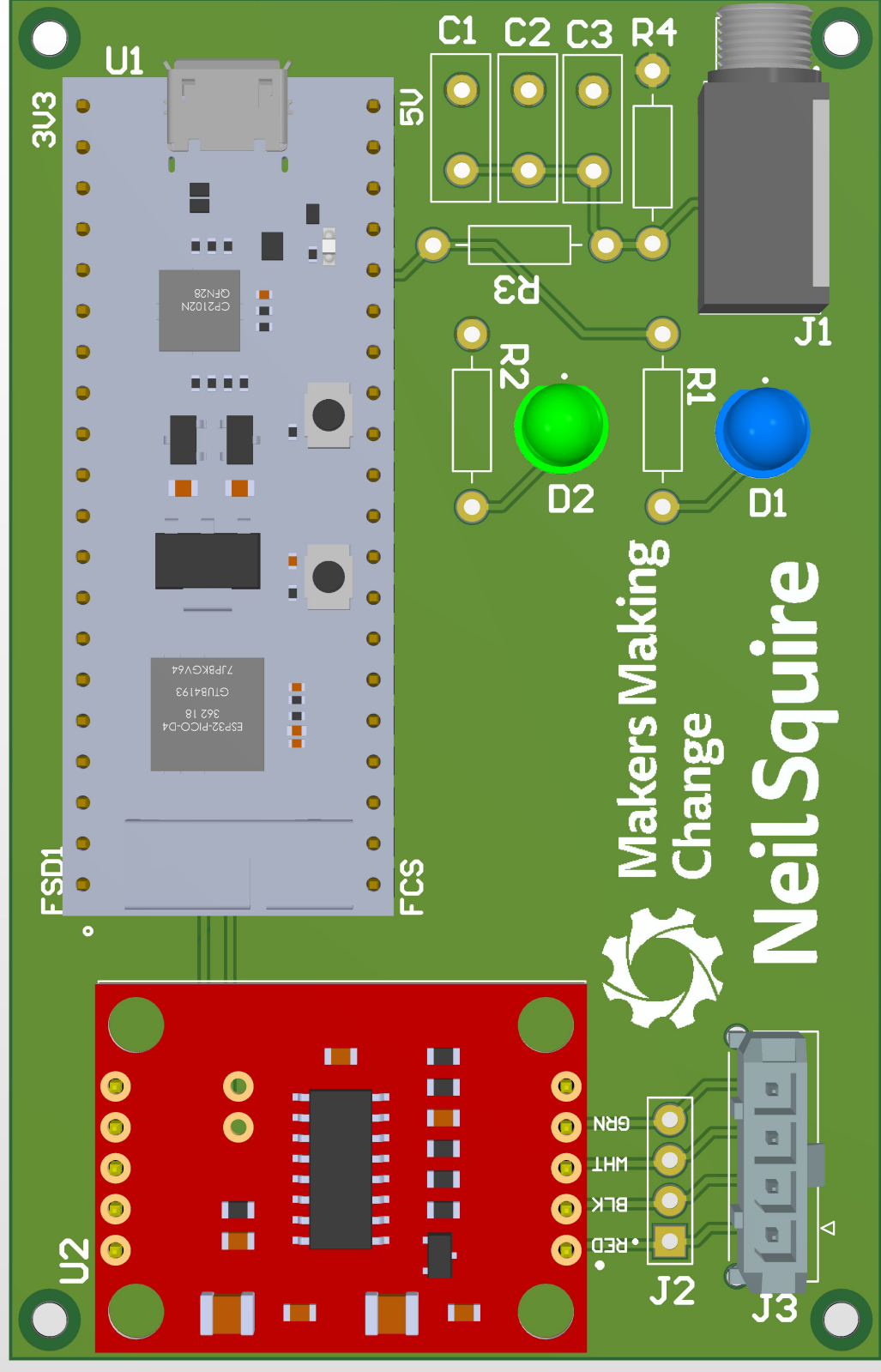
Makers Making
Change

Neil Squire



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NBC CG-92
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Comment	Description	Designator	Footprint	LibRef	Quantity
0.33uF	Standard Capacitor, Through Hole	C1, C2, C3	TH CAPACITOR	Capacitor	3
LED	2V Blue LED Through Hole	D1	LED TH BLUE	LED Blue	1
LED	2V Green LED Through Hole	D2	LED TH GREEN	LED Green	1
MJ-3502	3.5 mm, Mono, Right Angle, Through Hole, Threaded Bushing, Audio Jack Connector	J1	MJ-3502N	MJ-3502	1
1x4 Header	Standard 0.1" Header 1x4	J2	1x4 Standard Header	1x4 Header	1
Molex 436500427	Molex MicroFit 3.0 Header 1x4, mates with 0436450400	J3	MOLEX_436500427	Molex 436500427	1
220 Ohms	Standard Resistor, Through Hole, 1/8W	R1, R2	TH Resistor	Resistor	2
22k	Standard Resistor, Through Hole, 1/8W	R3	TH Resistor	Resistor	1
4.7k	Standard Resistor, Through Hole, 1/8W	R4	TH Resistor	Resistor	1
ESP32-PICO-D4	ESP32 Wifi Bluetooth Eval Board	U1	ESP32-PICO-KIT	ESP32-PICO-KIT	1
LOAD CELL AMP HX711	HX711 Load Cell Amplifier	U2	SEN-13879	LOAD CELL AMP HX711	1