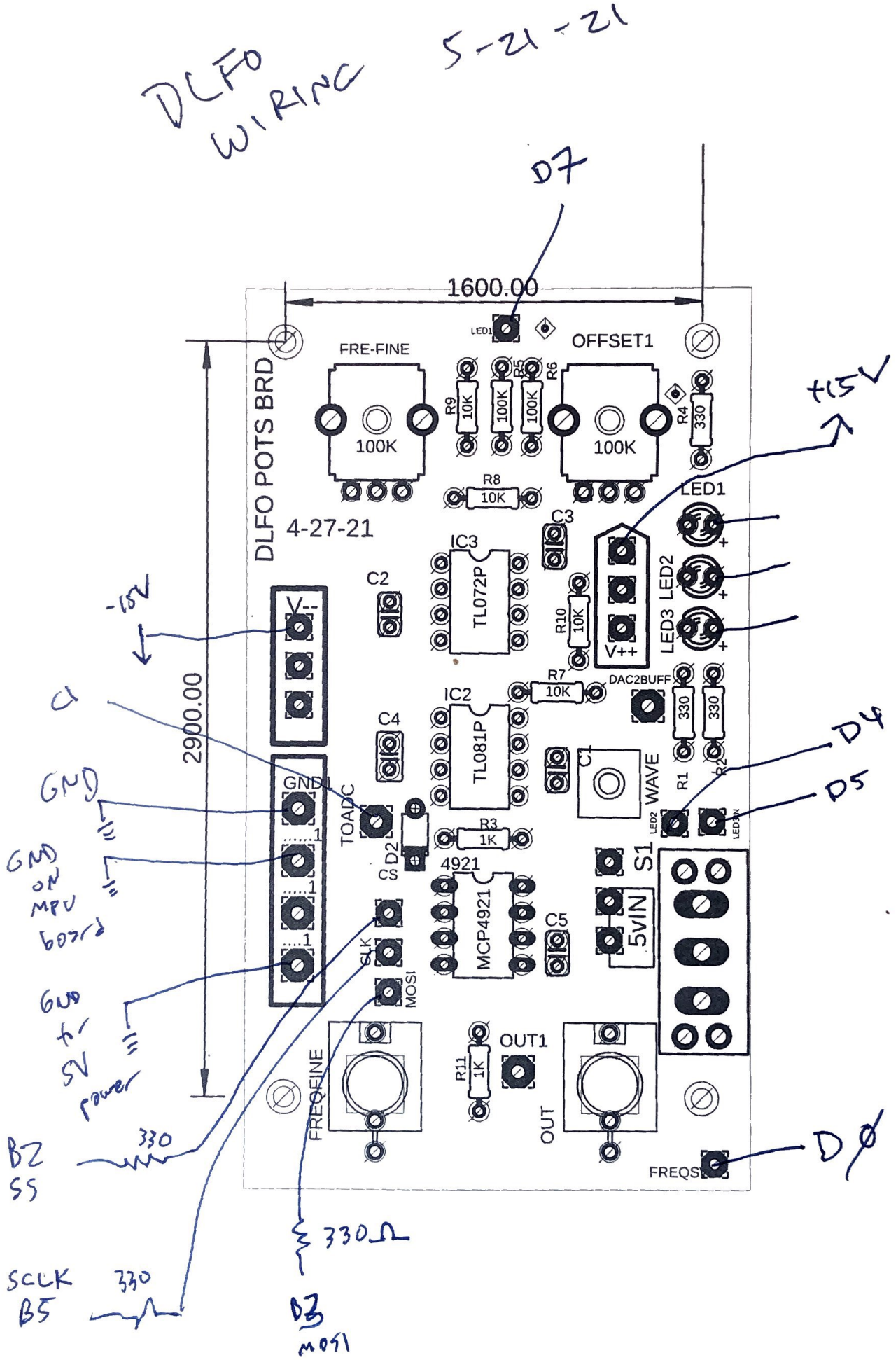
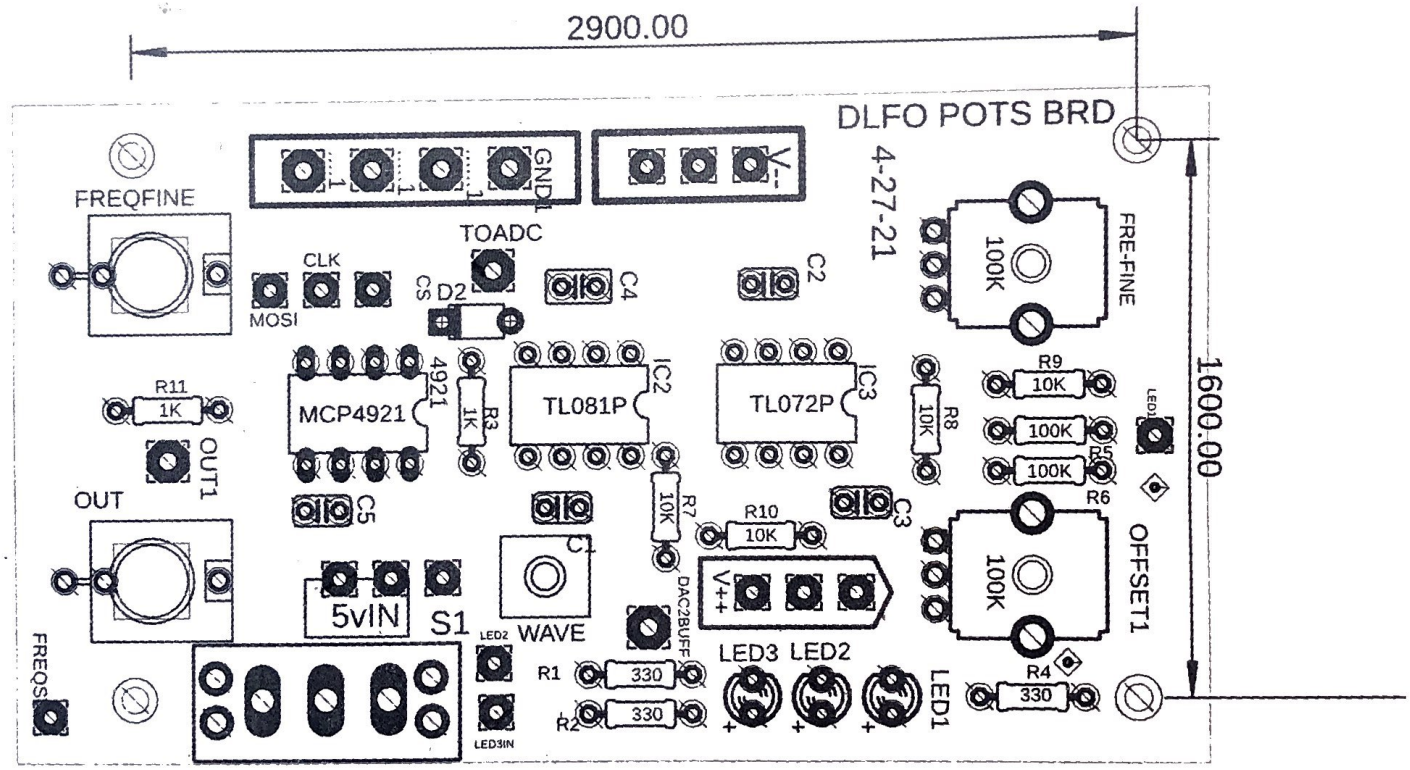
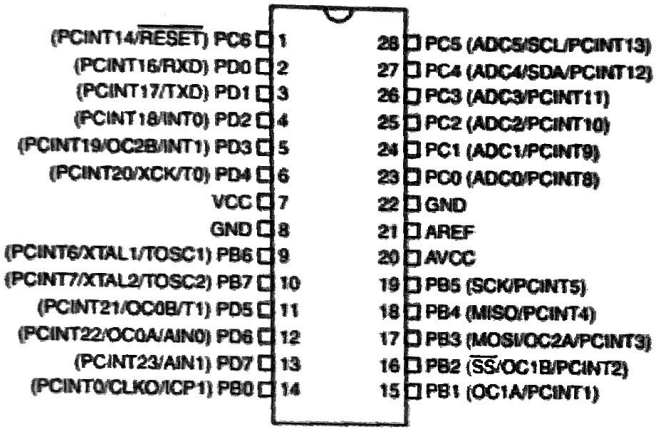
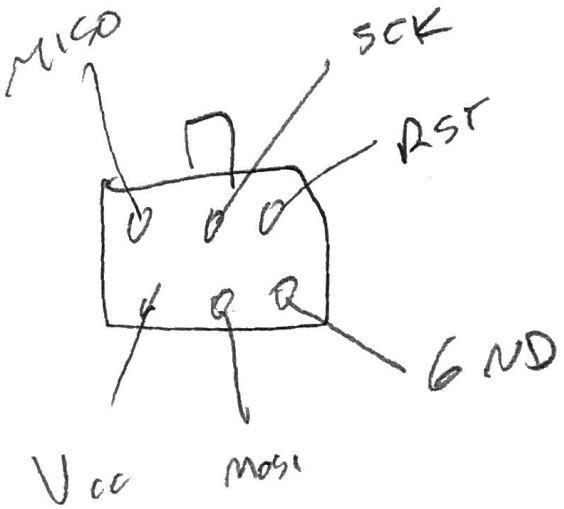
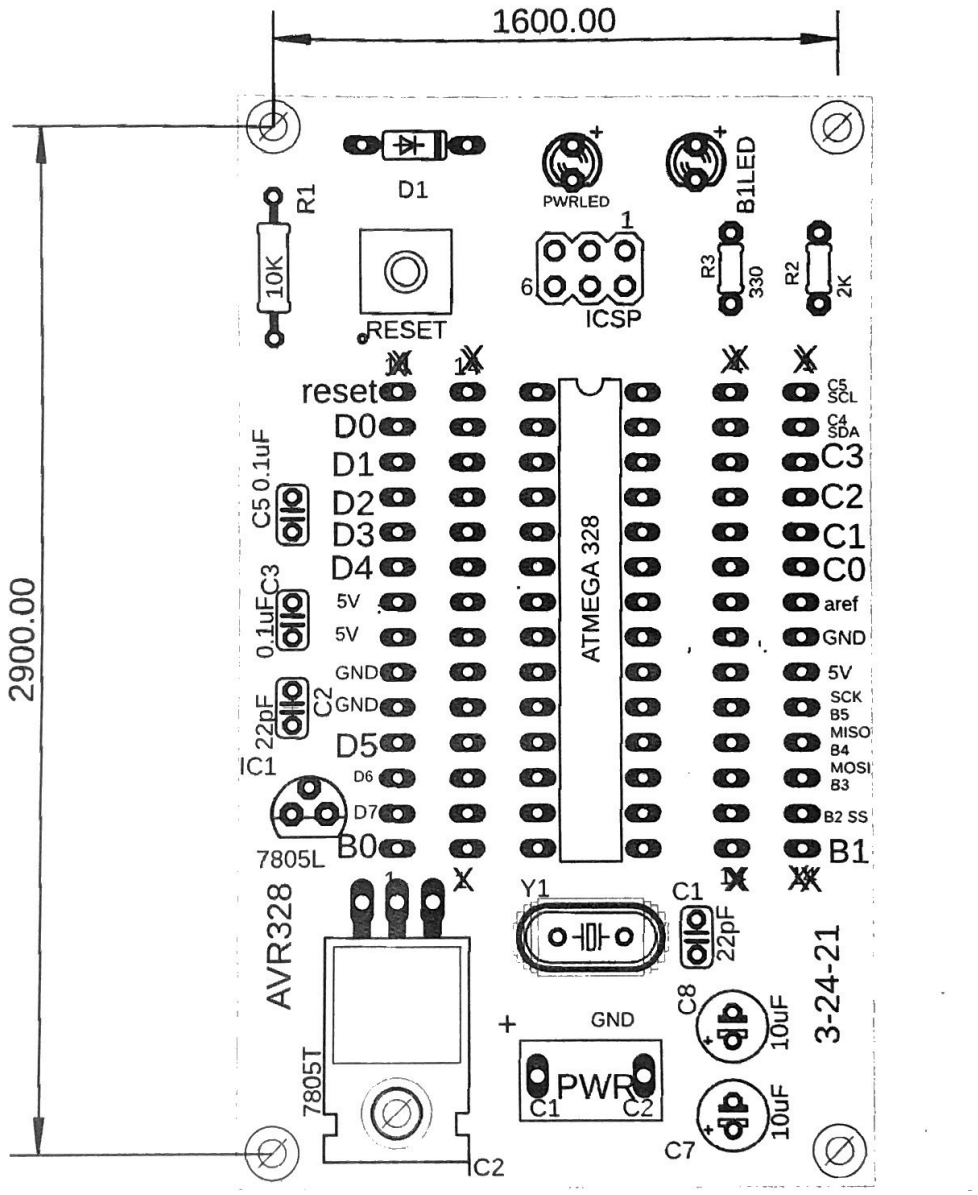

DLFO WIRING 5-21-21
D7
1600.00
2900.00
DLFO POTS BRD
4-27-21
LED1
OFFSET1
FRE-FINE
100K
100K
R9 10K
R5 100K
R6 100K
R4 330
R8 10K
+15V
LED1
LED2
LED3
C3
IC3
TL072P
C2
R10 10K
V++
V-
-15V
R7 10K
DAC2BUFF
330
330
IC2
TL081P
C4
C1
WAVE
R1
R2
D4
D5
C1
GND
GND
GND ON MPU board
GND +/- 5V power
GND1
TOADC
D2
CS
R3 1K
4921
MCP4921
C5
S1
5VIN
SCK
MOSI
FREQFINE
R11 1K
OUT1
OUT
FREQS
D0
330
BZ SS
330Ω
SCLK B5
330
BZ MOSI

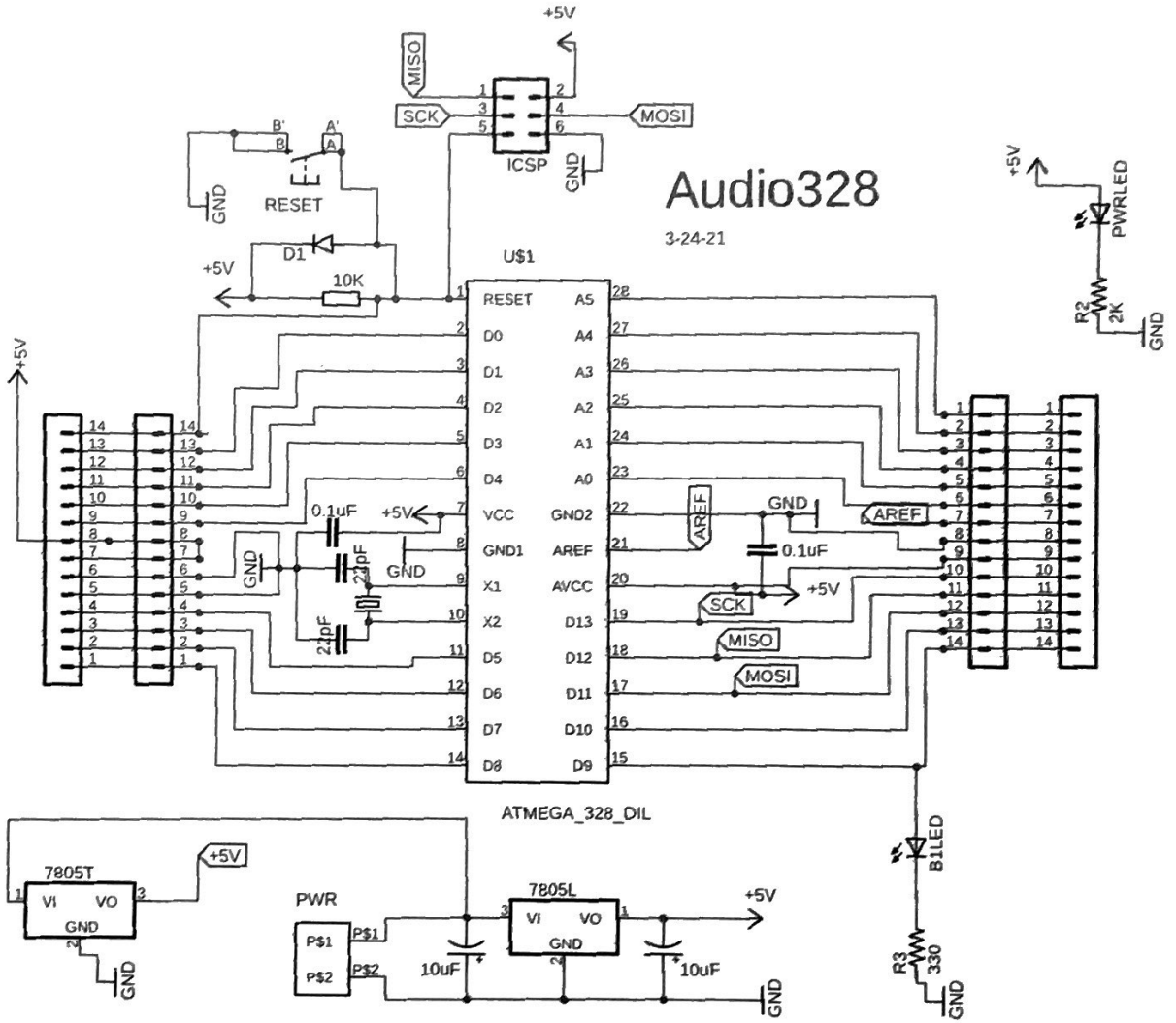

2900.00
1600.00
DLFO POTS BRD
4-27-21
FREQFINE
GND
V--
TOADC
CLK
MOSI
CS
D2
C4
C2
FRE-FINE
100K
R9
10K
100K
100K
R5
R6
OFFSET1
R11
1K
OUT1
MCP4921
4921
R3
1K
TL081P
IC2
TL072P
IC3
R8
10K
R7
10K
R10
10K
C5
C1
C3
OUT
FREQS
5vIN
S1
WAVE
LED2
LED3IN
DAC2BUFF
V++
R1
330
R2
330
LED3
LED2
LED1
R4
330

28 SPDIP


(PCINT14/RESET) PC6 1
(PCINT16/RXD) PD0 2
(PCINT17/TXD) PD1 3
(PCINT18/INT0) PD2 4
(PCINT19/OC2B/INT1) PD3 5
(PCINT20/XCK/T0) PD4 6
VCC 7
GND 8
(PCINT6/XTAL1/TOSC1) PB6 9
(PCINT7/XTAL2/TOSC2) PB7 10
(PCINT21/OC0B/T1) PD5 11
(PCINT22/OC0A/AIN0) PD6 12
(PCINT23/AIN1) PD7 13
(PCINT0/CLKO/ICP1) PB0 14
28 PC5 (ADC5/SCL/PCINT13)
27 PC4 (ADC4/SDA/PCINT12)
26 PC3 (ADC3/PCINT11)
25 PC2 (ADC2/PCINT10)
24 PC1 (ADC1/PCINT9)
23 PC0 (ADC0/PCINT8)
22 GND
21 AREF
20 AVCC
19 PB5 (SCK/PCINT5)
18 PB4 (MISO/PCINT4)
17 PB3 (MOSI/OC2A/PCINT3)
16 PB2 (SS/OC1B/PCINT2)
15 PB1 (OC1A/PCINT1)


MISO
SCK
RST
GND
Vcc
Mosi


1600.00
2900.00
D1
R1
10K
RESET
PWRLED
B1LED
ICSP
R3
330
R2
2K
reset
D0
D1
D2
D3
D4
5V
5V
GND
GND
D5
D6
D7
B0
ATMEGA 328
C5 SCL
C4 SDA
C3
C2
C1
C0
aref
GND
5V
SCK B5
MISO B4
MOSI B3
B2 SS
B1
C5 0.1uF
C3 0.1uF
C2 22pF
IC1
7805L
AVR328
Y1
C1 22pF
GND
PWR
C1
C2
C8 10uF
C7 10uF
7805T
C2
3-24-21


Audio328
3-24-21
U$1
ATMEGA_328_DIL
ICSP
MISO
SCK
MOSI
RESET
D1
10K
0.1uF
22pF
21pF
AREF
PWRLED
R2
2K
B1LED
R3
330
7805T
7805L
PWR
P$1
P$2
10uF
+5V
GND