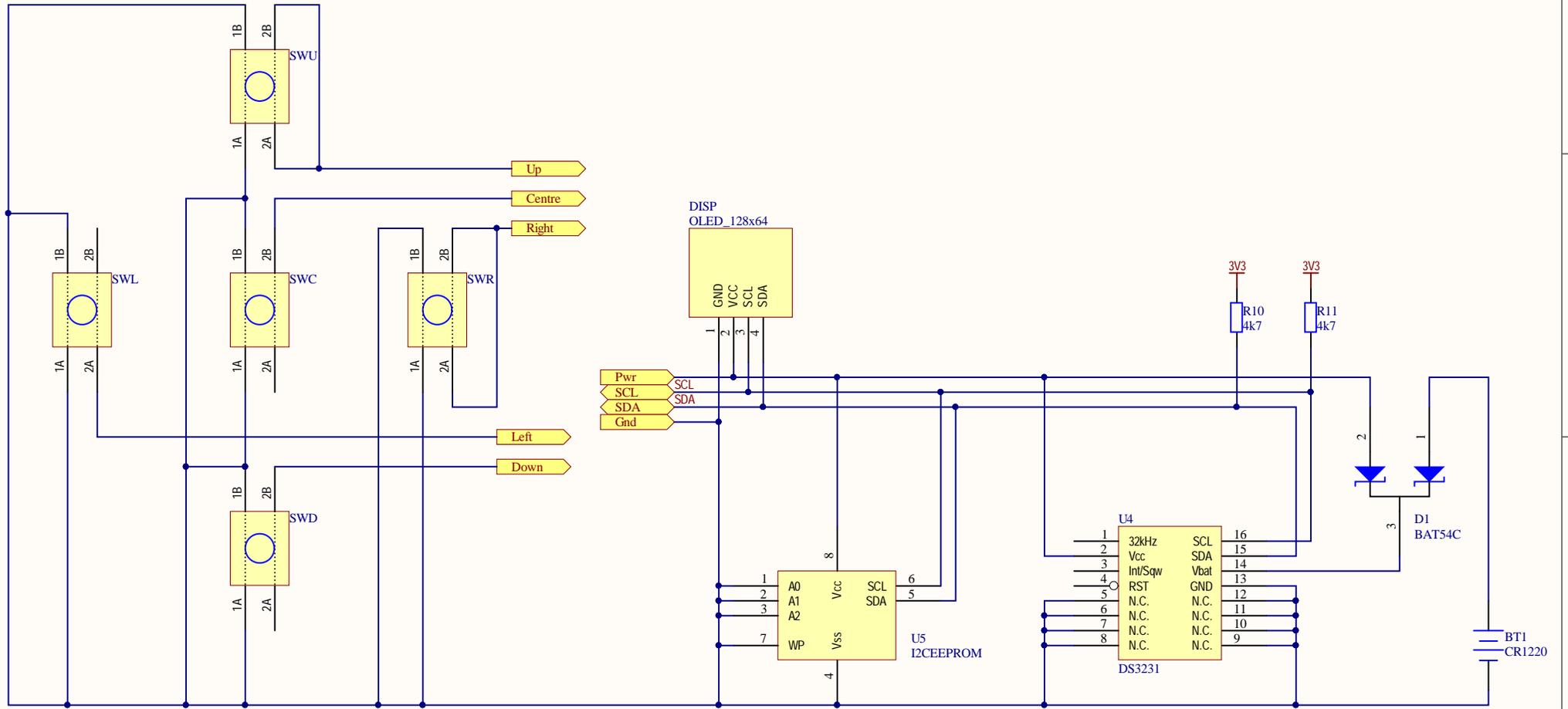


Title		
Size	Number	Revision
A4		
Date:	11/01/2019	Sheet of
File:	C:\GIT_Local\...\DieselHeater.SchDoc	Drawn By:



Title		
Size	Number	Revision
A4		
Date:	11/01/2019	Sheet of
File:	C:\GIT_Local\..\UserInterface.SchDoc	Drawn By:

R2 R3

ESP-WROOM-32

HC05

EN1

C1

R1 LED1

33 25 26 27

eBOOT

BOOT

14 12 13

R5

R4

LED2

R7

U2

U3

U1

DS18B20

0V 5V Heater

D2

R8

Debug

VR1

R9

LED3

R10

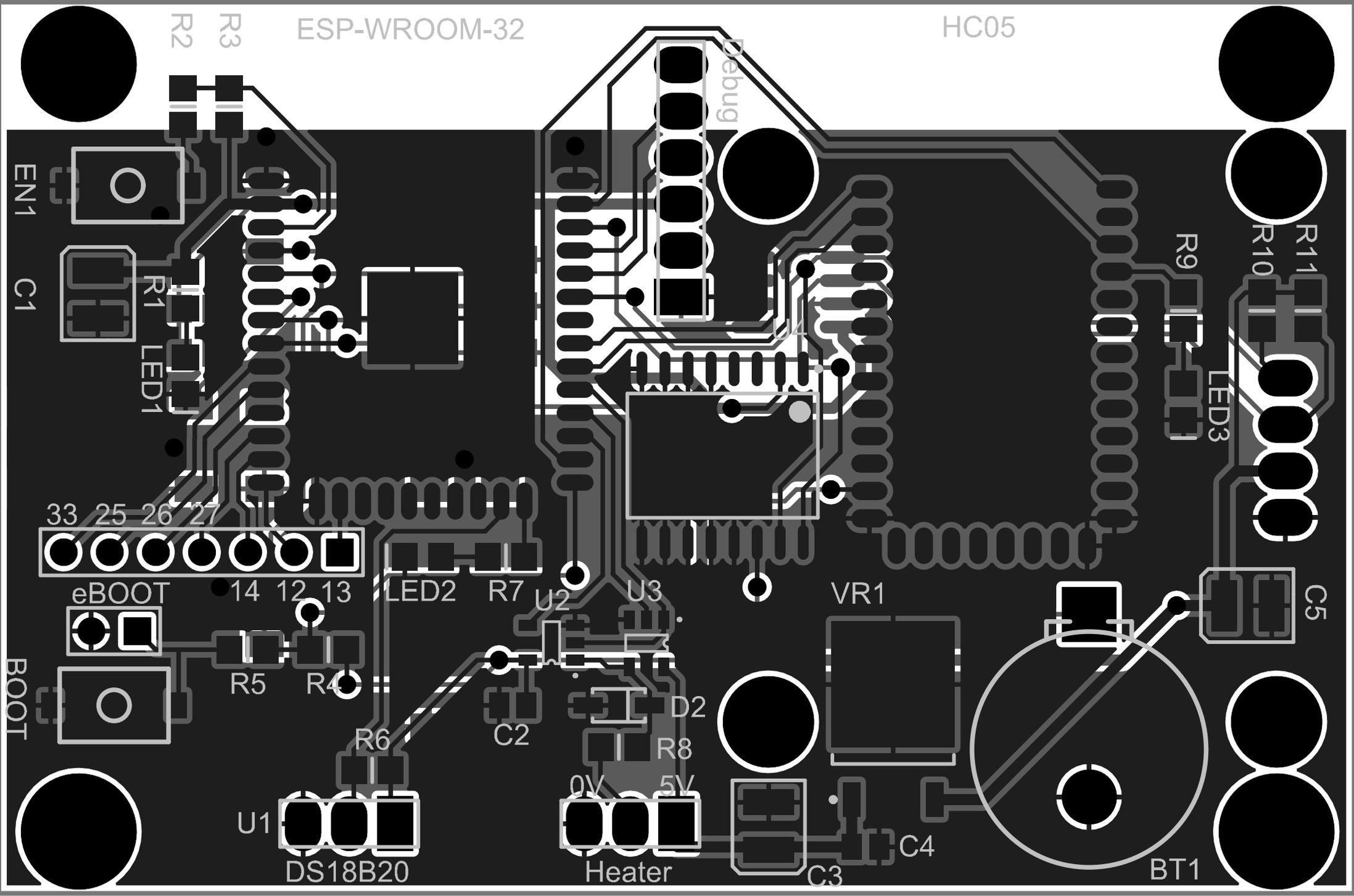
R11

C5

BT1

C4

C3



Comment	Description	Designator	Footprint	LibRef	Quantity
SIL-PB	2 pin tactile switch	BOOT, EN1	TACTILE_SW_SIL	SW-PB	2
CR1220	CR1220 Lithium Battery	BT1	C1220-1HF	Battery	1
10uF / 16V	Polarized Capacitor (Radial)	C1, C3, C5	CASEB	Cap Pol1	3
100n	Capacitor	C2, C4	C0805	Cap	2
BAT54C	Common cathode dual diode	D1	SOT-23_N	BAT54C	1
5V1	5.1V Zener Diode	D2	SOD-123	D Zener	1
Header 6	Header, 6-Pin	Debug	HDR1X6	Header 6	1
OLED_128x64	1.3" 128x64 I2C OLED display	DISP	OLED 1.3	OLED_128x64	1
Header 2	Header, 2-Pin	eBOOT	HDR1X2	Header 2	1
Header 3	Header, 3-Pin	Heater	HDR1X3	Header 3	1
GRN	Green 0805 LED (power)	LED1	0805_LED	LED0	1
BLUE	Blue 0805 LED (ESP stat)	LED2	0805_LED	LED0	1
RED	Red 0805 LED (HC05 stat)	LED3	0805_LED	LED0	1
ESP-WROOM-32	ESP32 module	Module1	ESP-WROOM-32	ESP-WROOM-32	1
HC05	Bluetooth module	Module2	HC05	HC05	1
470	0805 Resistor	R1, R2, R4, R7, R8, R9	6-0805_M	Res2	6
12k	0805 Resistor	R3, R5	6-0805_M	Res2	2
4k7	0805 Resistor	R6, R10, R11, R12, R13, R14, R15, R16	6-0805_M	Res2	8
Header 7	Header, 7-Pin	Spares	HDR1X7	Header 7	1
SMD_TACTILE_SW	4 pin SMD tactile switch	SWC, SWD, SWL, SWR, SWU	SMD_TACTILE_SW	SMD_TACTILE_SW	5
DS18B20	Temperature Sensor onewire	U1	HDR1X3	DS18B20	1
74LVC1G32DBV	Single gate OR	U2	SOT23-5	SN74LVC1G32DRY2	1
74LVC1G126DBV	Single gate 3 state driver	U3	SOT23-5	SN74LVC1G126-EP	1
DS3231	Real Time Clock	U4	SOIC127P1030X265-16N	DS3231	1
I2CEEPROM	Optional I2C EEPROM	U5	SO8_M	I2CEEPROM	1
LM1117-3.3	LDO Regulator	VR1	SOT-252-3	Volt Reg	1