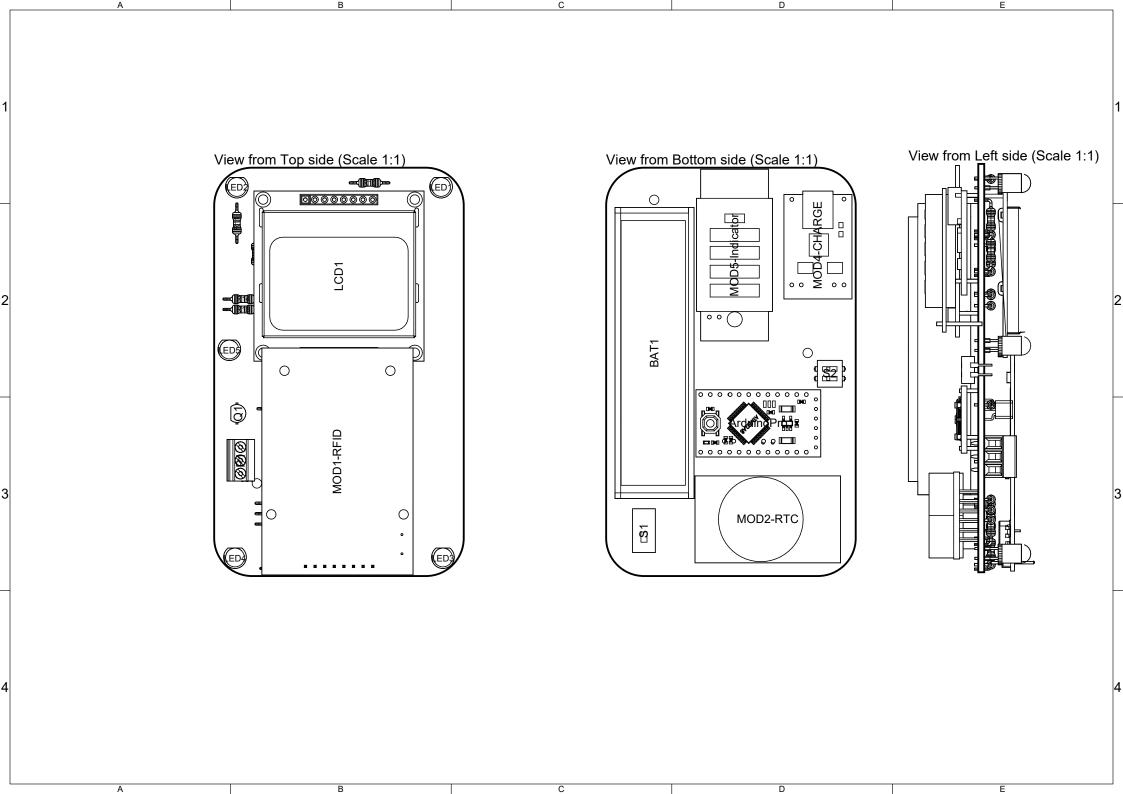
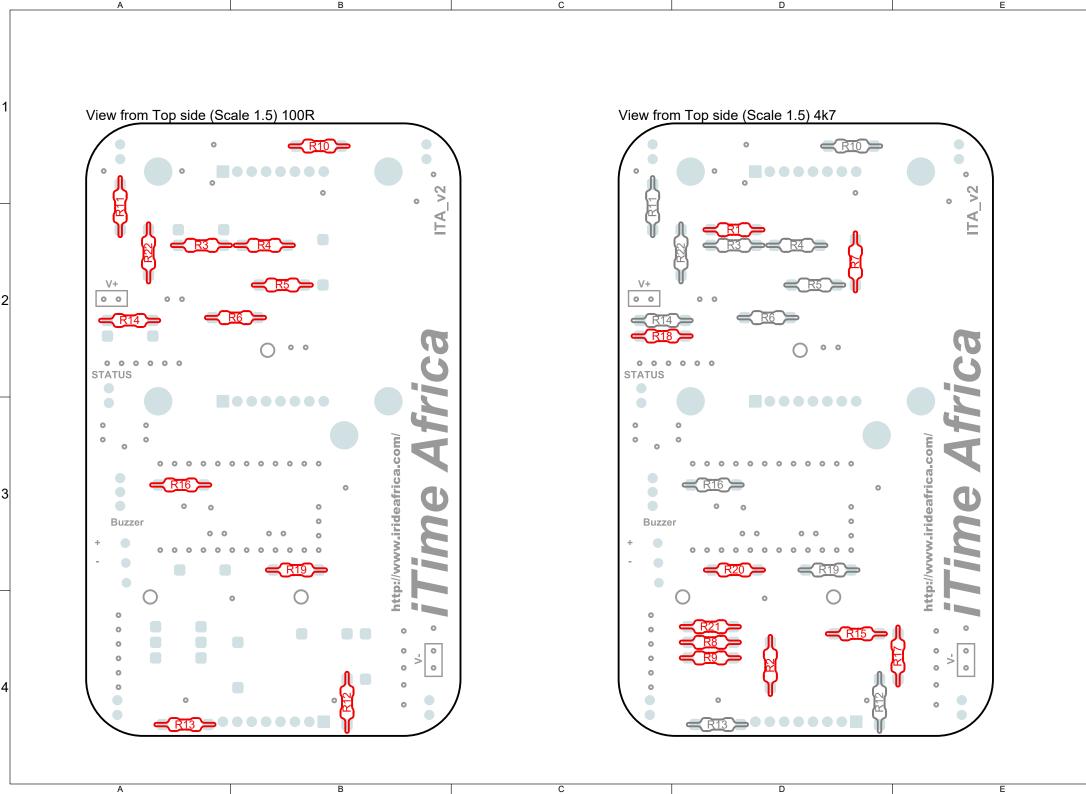
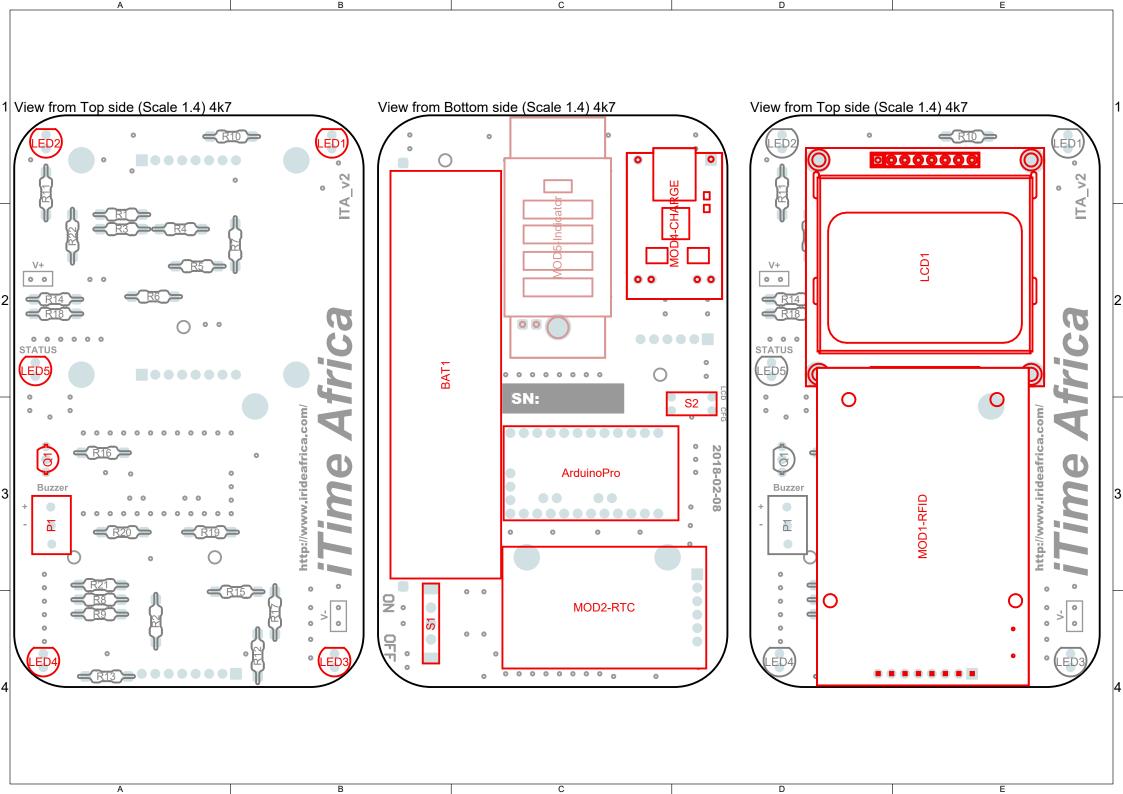


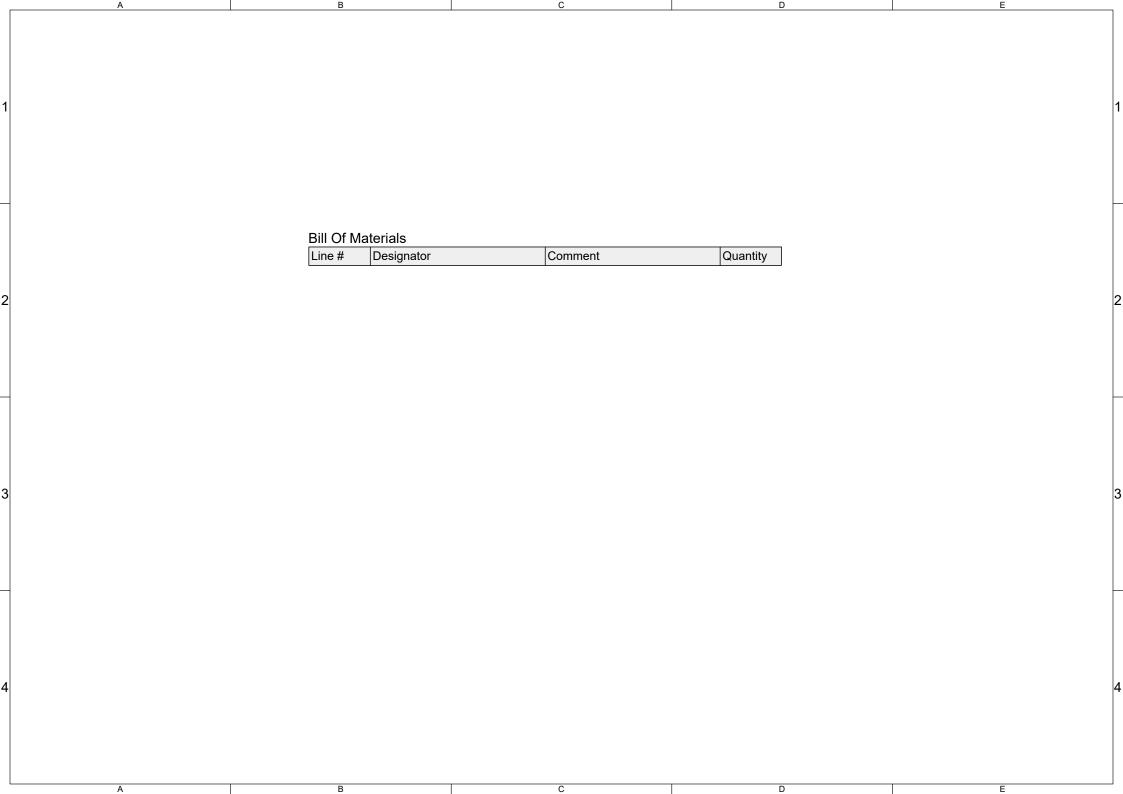
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Tanister 17-18-19-18-19-19-19-19-19-19-19-19-19-19-19-19-19-	A A Bluetooth RFID Slide Switch	https://www.aliexpress.com/item/84-48-LCD-https://www.aliexpress.com/item/2PCS-New-https://www.aliexpress.com/item/DS3231-AT https://www.aliexpress.com/item/Wireless-Schttps://www.aliexpress.com/item/13-56MHz-http://www.communica.co.za/Catalog/Detailshttp://www.communica.co.za/Catalog/Details-5mm rount through hole http://www.communica.co.za/Catalog/Details-5mm/pw	-Pro-Mini-Atmega328-3-3V-8M-Replace-ATmega128-For-Ardui r24C32-IIC-High-Precision-RTC-Module-Clock-Timer-Memory-I erial-6-Pin-Bluetooth-RF-Transceiver-Module-HC-05-RS232-M: RFID-MF-RC522-RC-522-Reader-Writer-Module-I2C-Interface- s/P2077750286 /P2624616678	no-Compatible-Nano/2037934450.html?spm=a2g0s.9042 Module/2037934408.html?spm=a2g0s.9042311.0.0.wP2N aster-Slave/2038549888.html?spm=a2g0s.9042311.0.0.w	//Co /P2Mco	ittom Corners		A
Ride Africa		2n3904 npn Bipolar 200mA 60V http://www.communica.co.za/Catalog/Details 3 pin / 2 pin 3.5mm pitch	b/P0173638625					
Date: 2018-02-08 Sheet 2 of Date: 2018-02-08 Drawn Bir: P Henning Description Descriptio	B Resistors	Axial Carbon Film resisor 1/4W						В
Title	С							С
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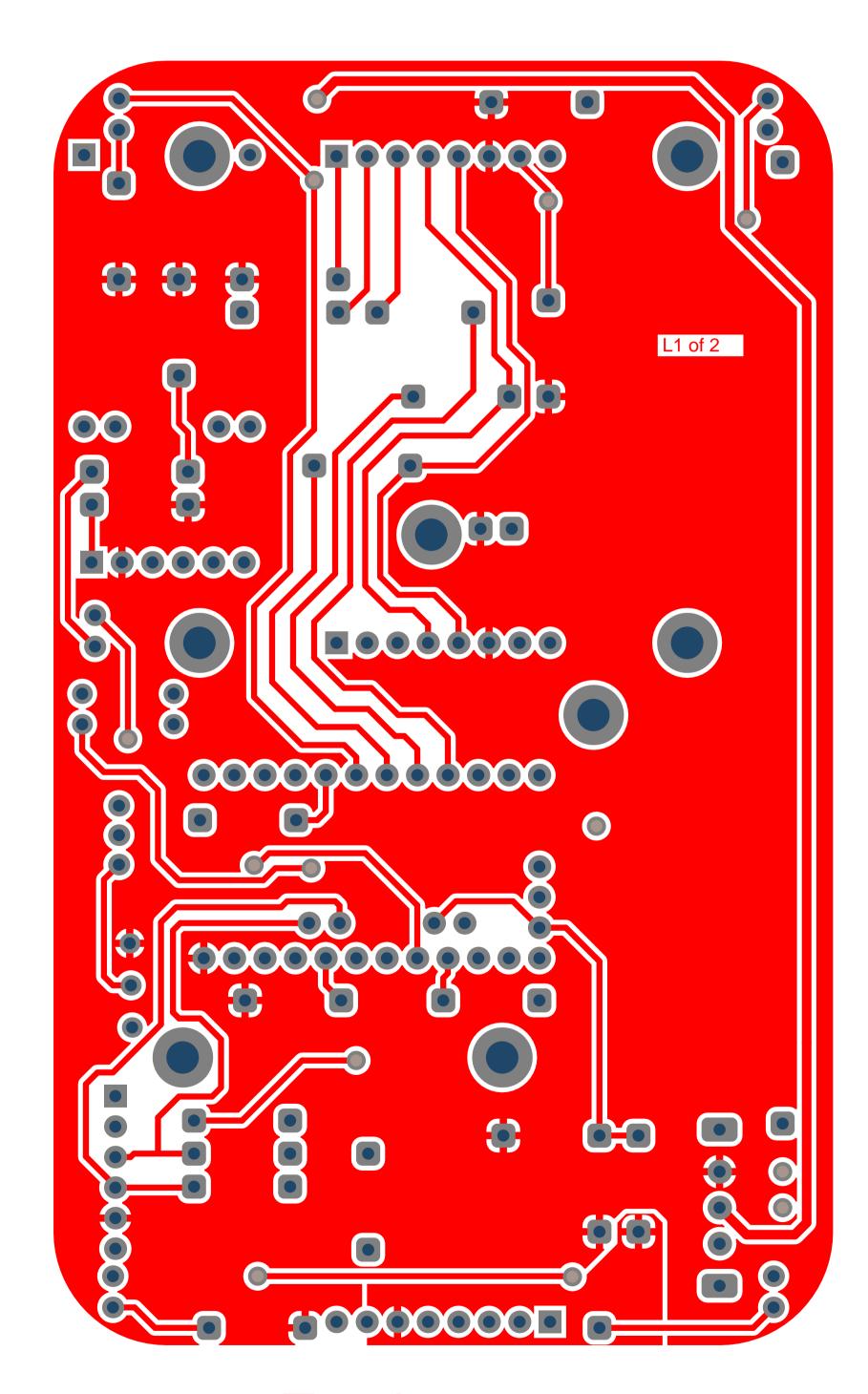


Arduino	OTHER	MFRC522	NOKIA 5110	RTC	HC-05	itime Africa	itime Africa	
Pro Mini	COMPONENTS	Reader	LCD	DS3231	Bluetooth	V1.1	V2	
Pin	Pin	Pin	Pin	Pin	Pin			
RAW	(BATTERY charger)	***	***	***	***	***	Vraw	
GND	***	GND	GND	GND	GND	***	gnd	
Reset	***	***	***	***	***	***		
VCC	***	3.3V	Vraw	Vraw	VCC	***	3v3	
A5	***	***	***	SCL	***	scl	scl	
A4	***	***	***	SDA	***	sda	sda	
A3	Dip swich	***	***	***	***	config	config	
A2		***	***	SQW	***	V_meas	Square	
A1	***	***	rst	***	***	LCD backlight	LCD_reset	
A0	(LED1)	***	***	***	***	LED	LED	
A6	***	***	***	***	***	***	***	
A7	Resistor divider	***	***	***	***	***	V_MEAS	
D13	***	SCK	***	***	***	sck	sck	
D12	***	MISO	***	***	***	miso	miso	
D11	***	MOSI	***	***	***	mosi	mosi	
D10	***	SDA(SS)	***	***	***	SS	SS	
D9	***	***	***	***	TXO	rst	uart_BT2A	
D8	***	***	***	***	rxd	CE	uart_A2BT	
D7	***	***	CE	***	***	rst	LCD_CE	
D6	***	***	DC	***	***	dc	dc	
D5	***	***	Din	***	***	Din	Din	
D4	***	***	CLK	***	***	clk	clk	
D3	(LED)	***	***	***	***	led	led	
D2	(BUZZER)	***	***	***	***	buzzer	buzzer	
GND	***	***	***	***	***	***	***	
RST	***	***	***	***	***	***	***	
RXI	***	***	***	***	***	***	***	
TXD	Status LED	***	***	***	***	***	Status LED	
***	pull up	nReset	***	***	***	***	***	
***	Dip Switch	***	Blacklight	***	***	***	***	
	pullup	***	***	***	Enable	***	***	

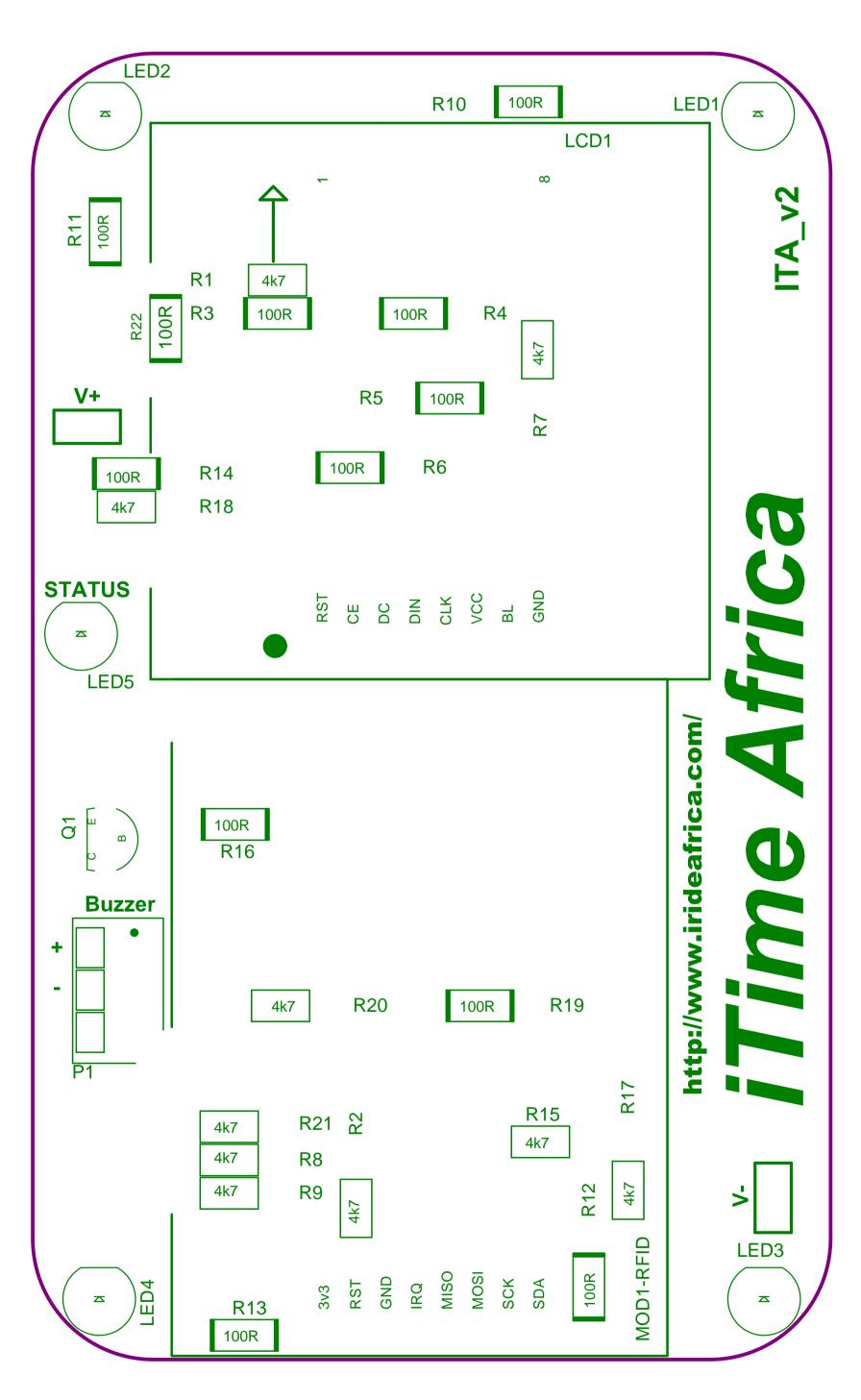


tem #	mn Name Error:Manufa	#Column Name Error:Manufacturer No	Quantity	#Column Name Error:Note	Designator
1			1		ArduinoPro
2			1		BAT1
3			1		LCD1
4			5		LED1, LED2, LED3, LED4,
					LED5
5			1		MOD1-RFID
6			1		MOD2-RTC
7			1		MOD3-BT
8			1		MOD4-CHARGE
9			1		MOD5-Indicator
10			1		P1
11			1		Q1
12			10		R1, R2, R7, R8, R9, R15,
					R17, R18, R20, R21
13			12		R3, R4, R5, R6, R10, R11,
					R12, R13, R14, R16, R19,
					R22
14			1		S1
15			1		S2

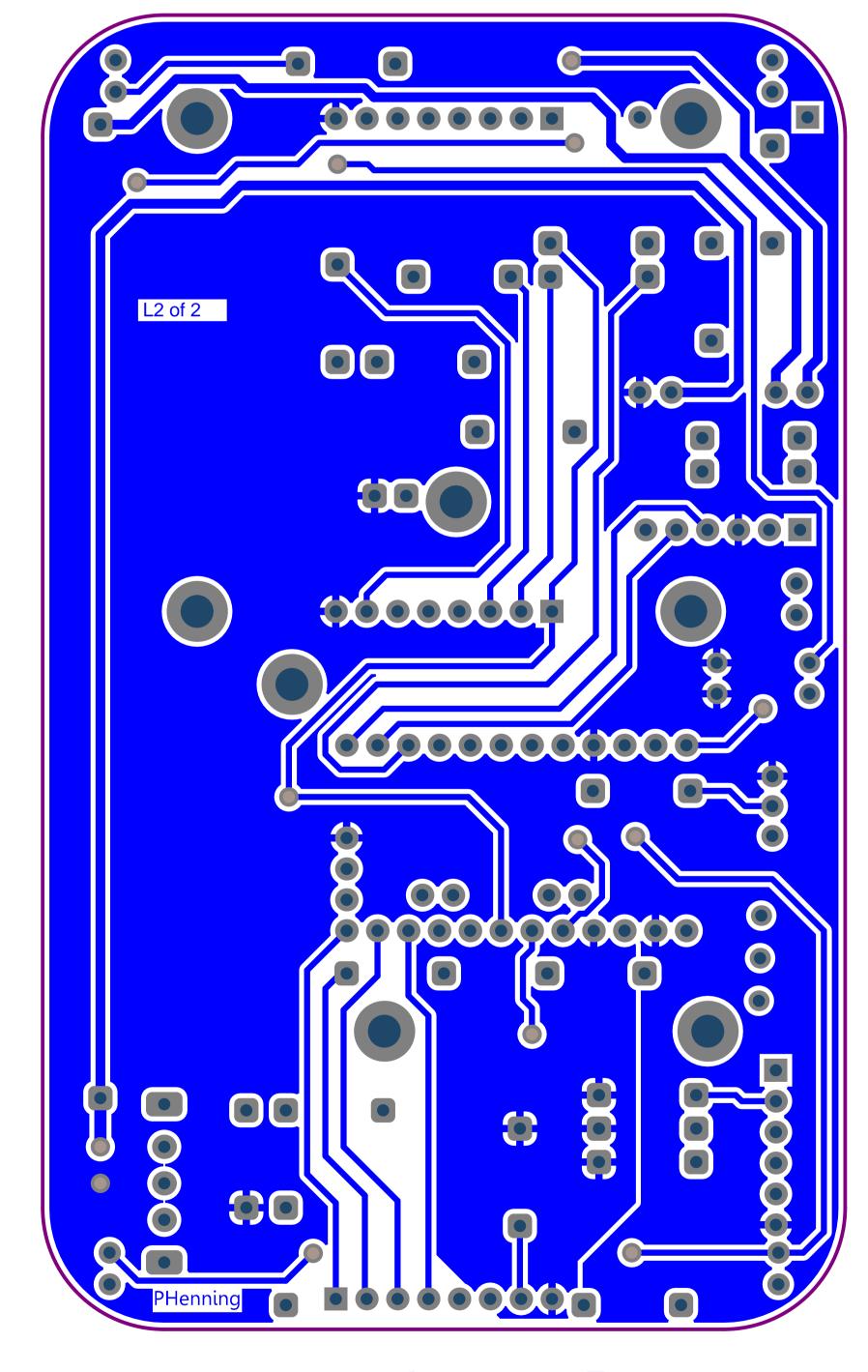
Description	Column Name Error:Footprii	#Column Name Error:Comment	LibRef
Arduino Pro Mini			Arduino Pro Mini
Battery Holder			Battery Holder
nokia 5110 lcd V2			nokia 5110 lcd V2
Red LED, 5mm THP			Red LED THP
RFID module			RFID module
Real Time Clock DS3231			Real Time Clock DS3231
Bluetooth module			Bluetooth module
LIPO carger and pritection 03962A			Charger / Protection
1S 3.7V Lithium Battery Capacity Indicator Module 4.2V			Battery Indicator
3 pin Screw Terminal 3.5mm			3 pin Screw Terminal
			3.5mm
NPN Transistor			NPN Transistor
Resistor			4k7
Resistor			100R
Slide Switch 3mm pitch			Slide Switch 3mm pitch
2way DIP Switch 2.54mm pitch			2way DIP Switch 2.54mm
			pitch



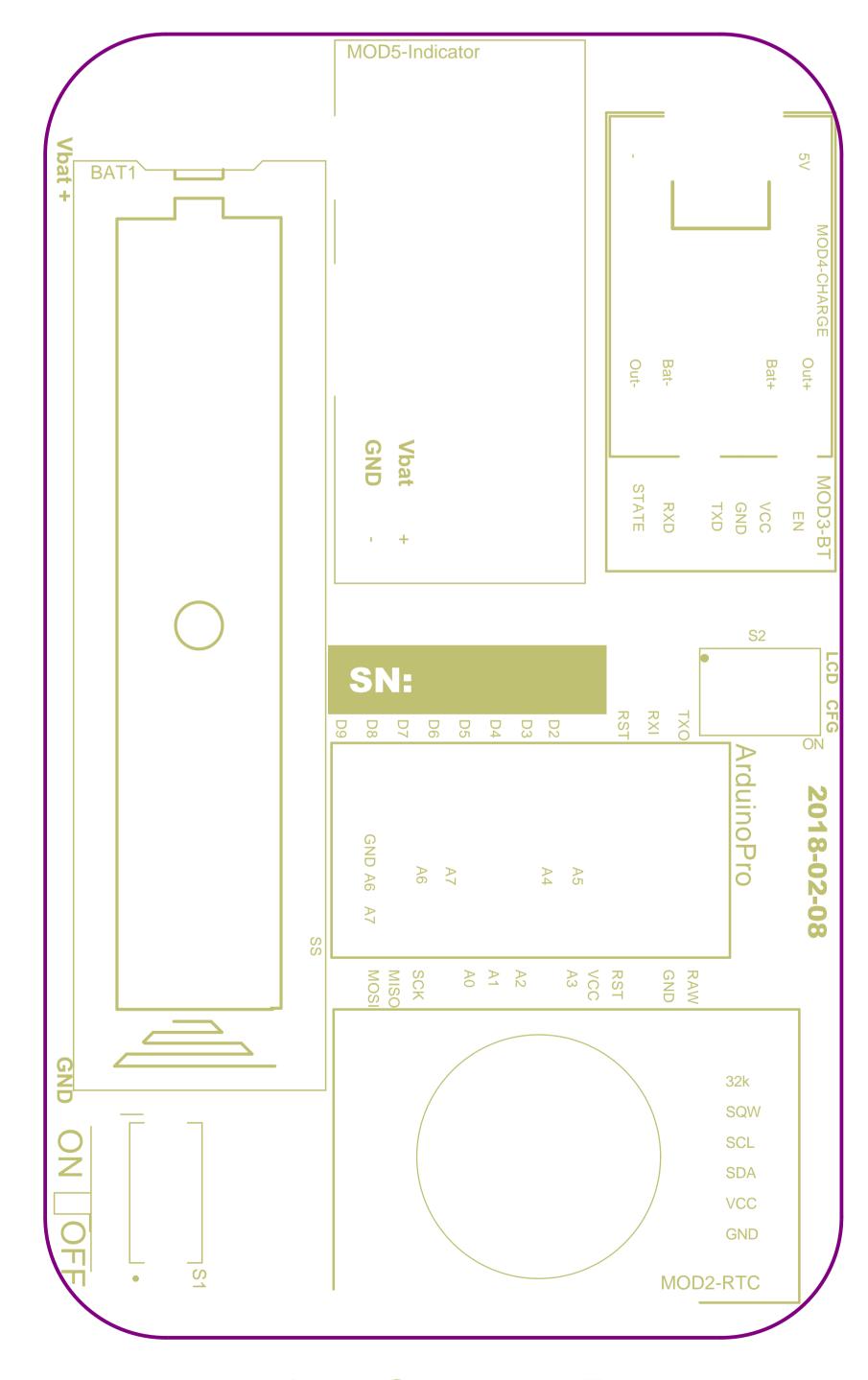
Top Layer



Top Overlay



Bottom Layer



Bottom Overlay

