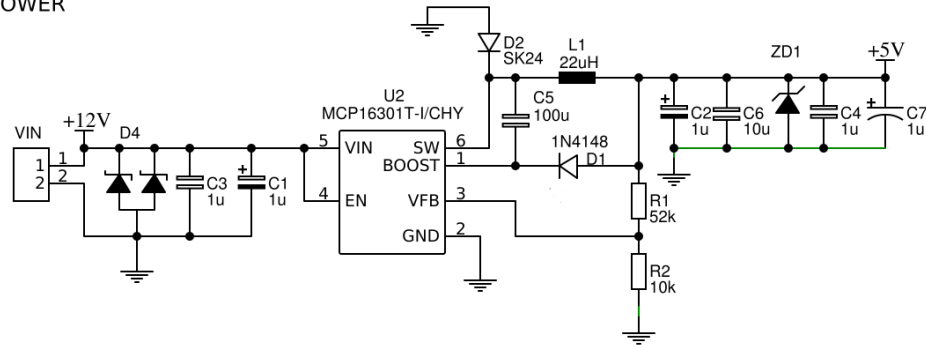


Kinetics professional nail systems „BERZIŅŠ”

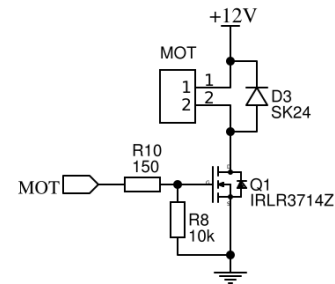
Spec	Min	Max	Unit
Power supply	8	12	V
	3	8	A
Power consumption	1.2	60	W

Schematic

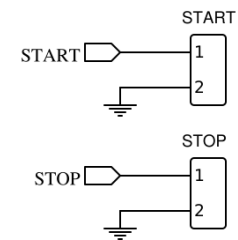
POWER



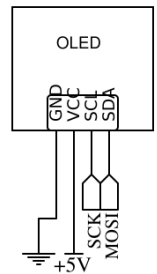
MOTOR DRIVER



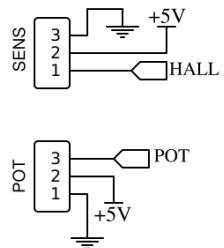
BUTTONS



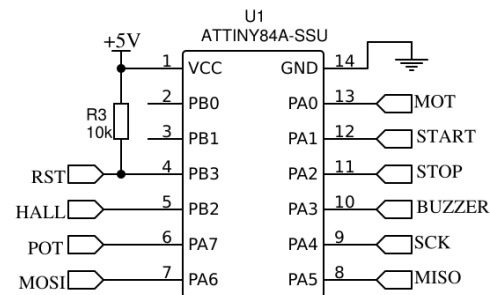
SCREEN



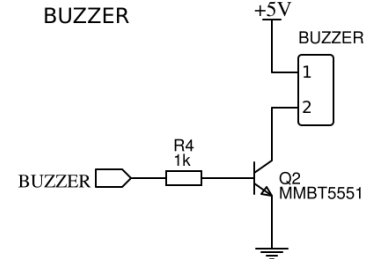
SENSORS



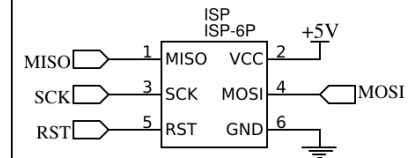
MICROCONTROLLER SETUP



BUZZER



PROGRAMMER HEADER



TITLE:

KINETICS REV COUNTER

REV: 2.0

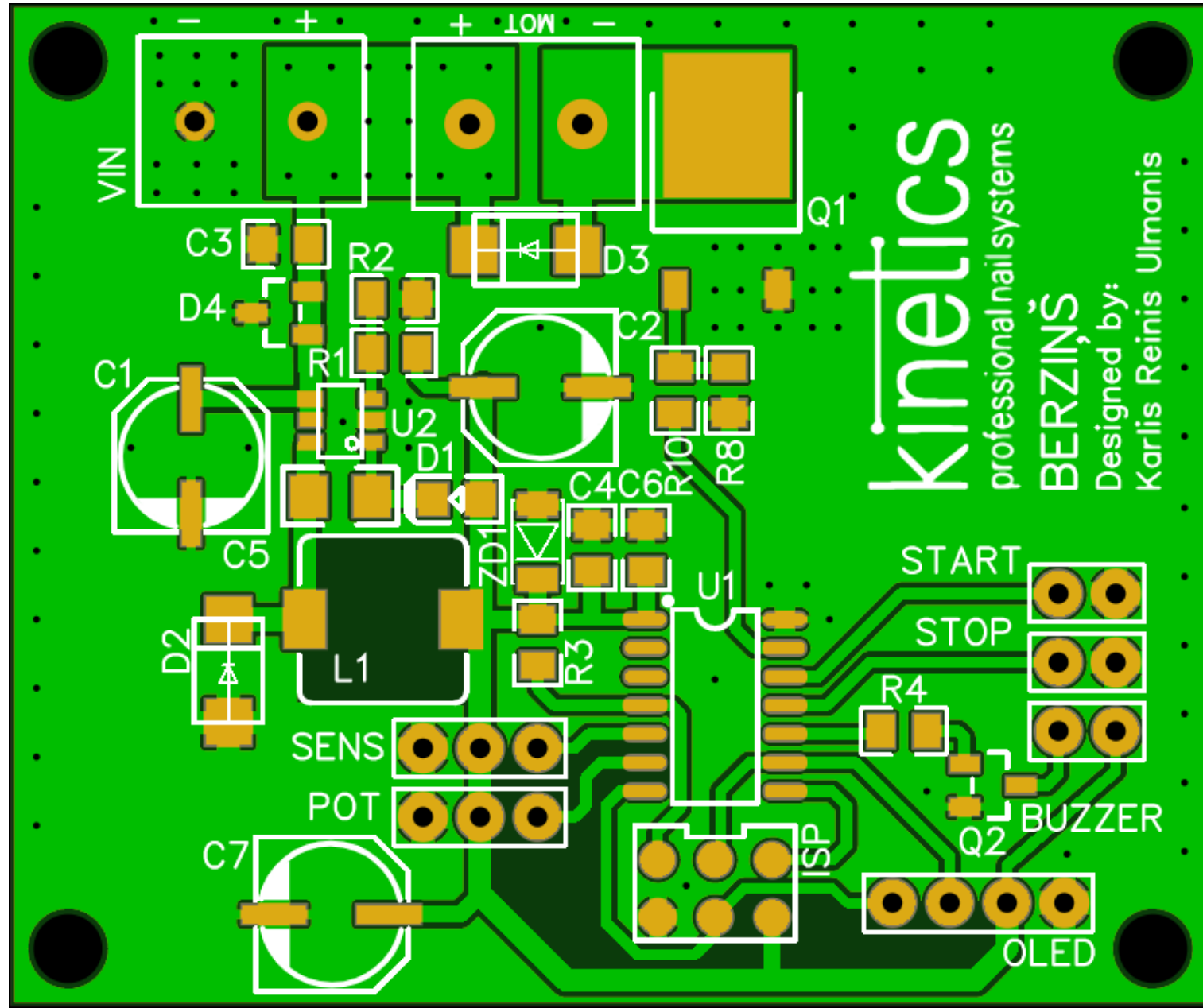
Date: 07-02-2019

Sheet: 1/1

EasyEDA V5.7.26

Drawn By: deskpro256

Printed circuit board layout (PCB)



Bill of materials (BOM)

II	Name	Designator	Footprint	Quantity	Price	Cost	Link to seller
1	ATTINY84A-SSU	U1	SOIC-14_150MIL	1	€2,08	€2,08	http://www.salvats.lv/main.php?partID=5&catID=514&itemID=00024235
2	MCP16301T-I/CHY	U2	SOT-23-6	1	€1,78	€1,78	http://www.salvats.lv/main.php?partID=5&catID=521&itemID=00014055
3	52k	R1	0805'	1	€0,01	€0,01	
4	10k	R2,R8,R9	0805'	3	€0,01	€0,03	
5	100u	C1,C2,C7	CAP-D6.3XH5.5	3	€0,19	€0,57	http://www.salvats.lv/main.php?partID=5&catID=232&itemID=00020775
6	22uH	L1	DE0704	1	€0,37	€0,37	http://www.salvats.lv/main.php?partID=5&catID=863&itemID=00000726
7	SK24	D2,D3	SMA	2	€0,10	€0,20	http://www.salvats.lv/main.php?partID=5&catID=801&itemID=00013616
8	1u	C3,C4	0805'	2	€0,01	€0,02	
9	100u	C5	1206	1	€0,05	€0,05	
10	10u	C6	0805'	1	€0,01	€0,01	
11	OLED screen	OLED	HDR-4X1/2.54	1	€5,49	€5,49	OLED-Display-Module-12864
12	10k Potentiometer	POT	HDR-3X1/2.54	2	€1,14	€2,28	http://www.salvats.lv/main.php?partID=5&catID=598&itemID=00016543
12	Hall sensor SS411P	SENS	HDR-3X1/2.54	2	€0,78	€1,56	http://www.salvats.lv/main.php?partID=5&catID=631&itemID=00001226
13	1N4148	D1	0805'	1	€0,03	€0,03	http://www.salvats.lv/main.php?partID=5&catID=143&itemID=00024287
14	2-pin screw terminal	MOT,12VIN	IN SCREW TERMINAL	2	€0,18	€0,36	http://www.salvats.lv/main.php?partID=5&catID=681&itemID=00024036
15	150	R10	0805'	1	€0,01	€0,01	
16	IRLR3714Z	Q1	TO252	1	€1,14	€1,14	http://www.salvats.lv/main.php?partID=5&catID=946&itemID=00022083
17	MMBT5551	Q2	SOT-23(SOT-23-3)	1	€0,01	€0,01	
18	1k	R4	0805'	1	€0,01	€0,01	
19	START_button	START	HDR-2X1/2.54	1	€0,62	€0,62	http://www.salvats.lv/main.php?partID=5&catID=594&itemID=00023523
19	STOP_button	STOP	HDR-2X1/2.54	1	€0,62	€0,62	http://www.salvats.lv/main.php?partID=5&catID=594&itemID=00023522
19	BUZZER	BUZZER	HDR-2X1/2.54	1	€0,65	€0,65	http://www.salvats.lv/main.php?partID=5&catID=255&itemID=00021583
20	BZV55-C5V1	ZD1	SOD80C	1	€0,09	€0,09	http://www.salvats.lv/main.php?partID=5&catID=153&itemID=00014288
21	ESDA14V2L	D4	SOT-23	1	€0,13	€0,13	http://www.salvats.lv/main.php?partID=5&catID=575&itemID=00017074
					Total:	€18,12	