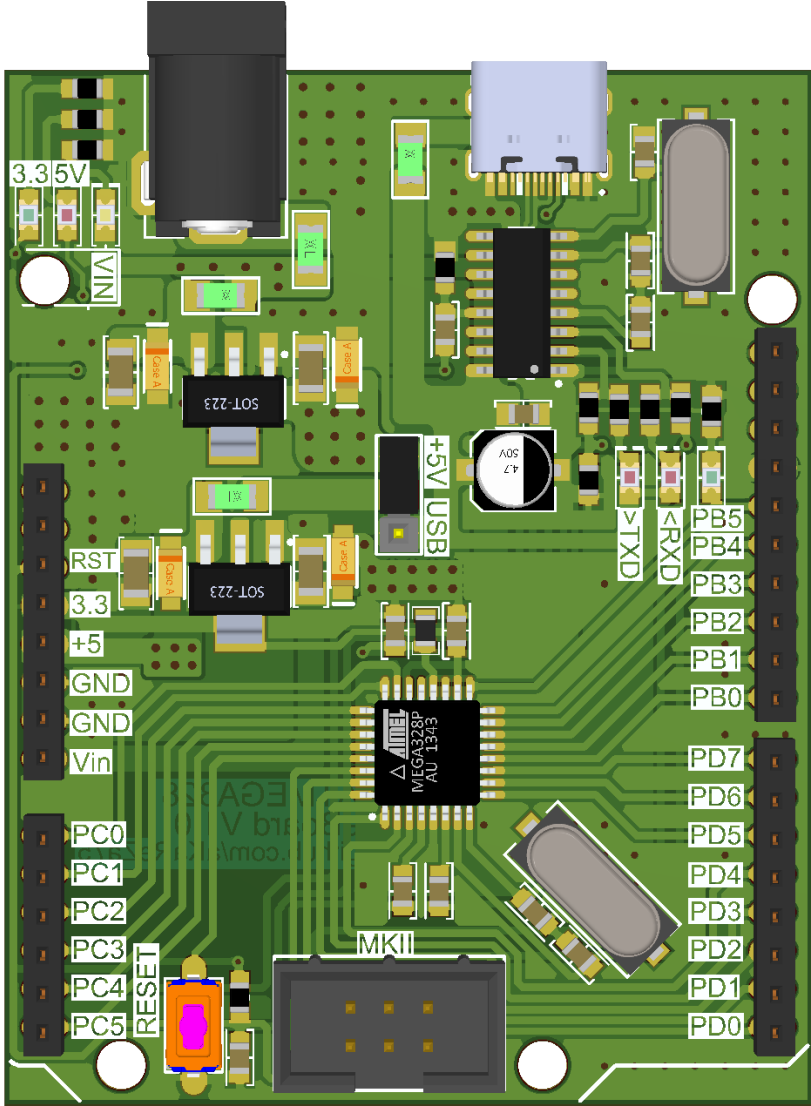
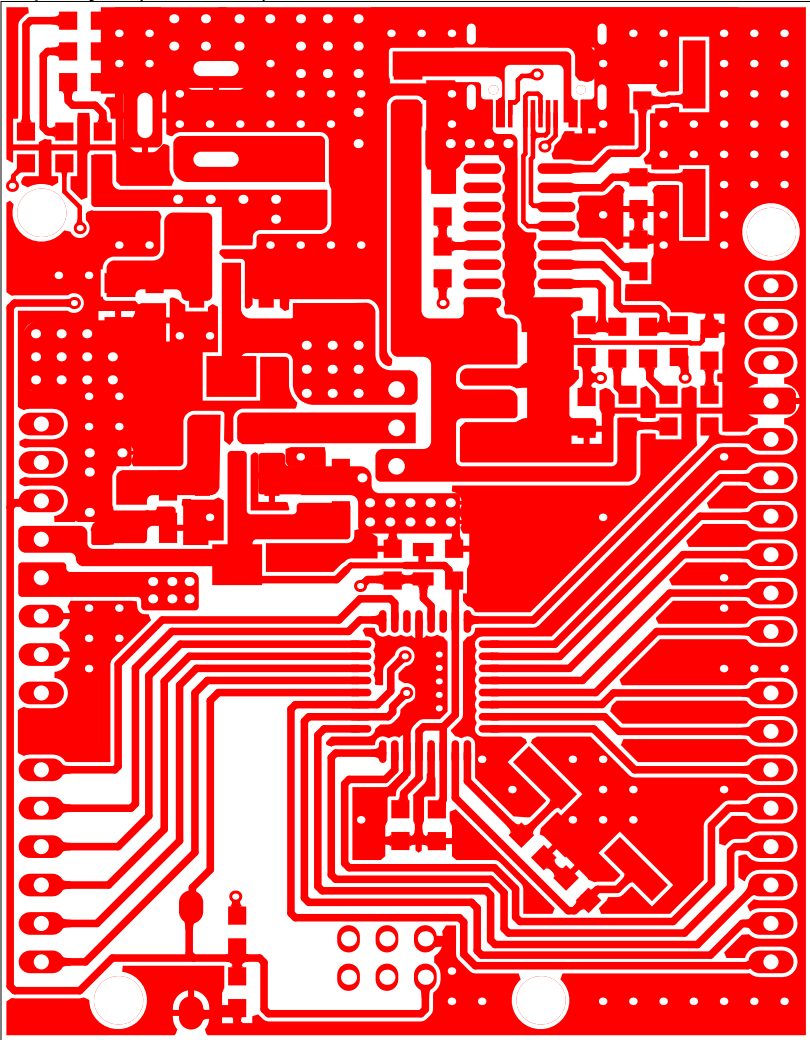


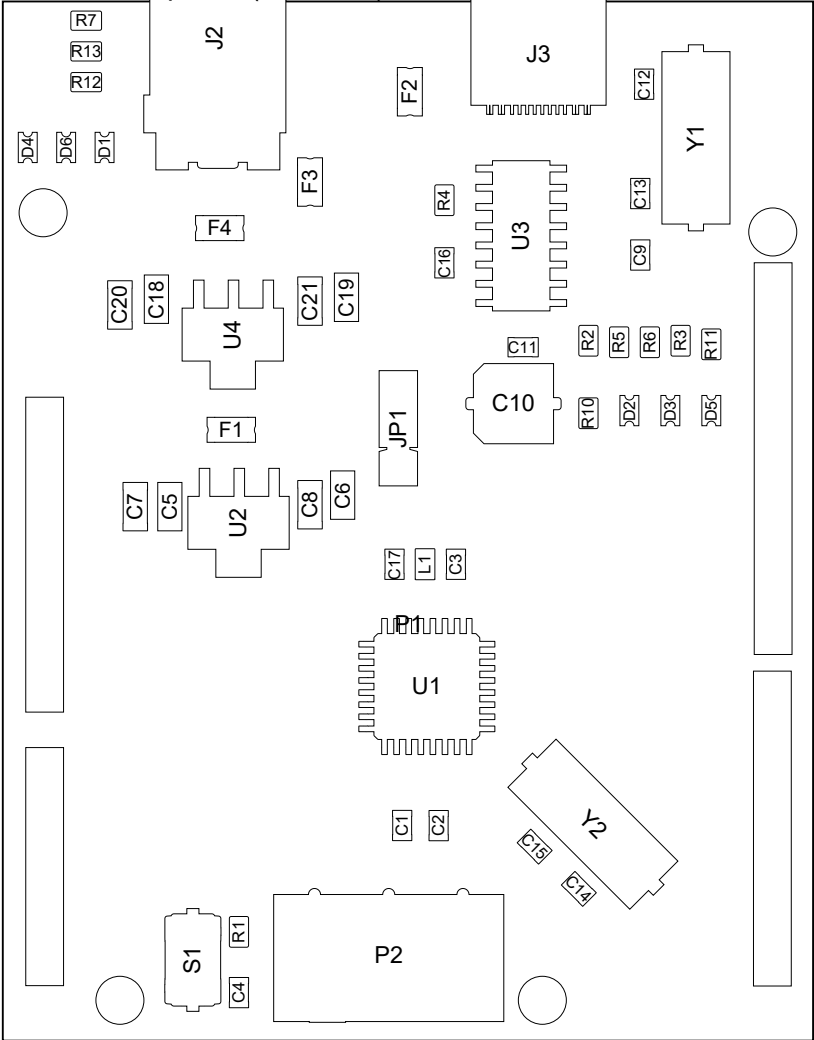
Realistic View



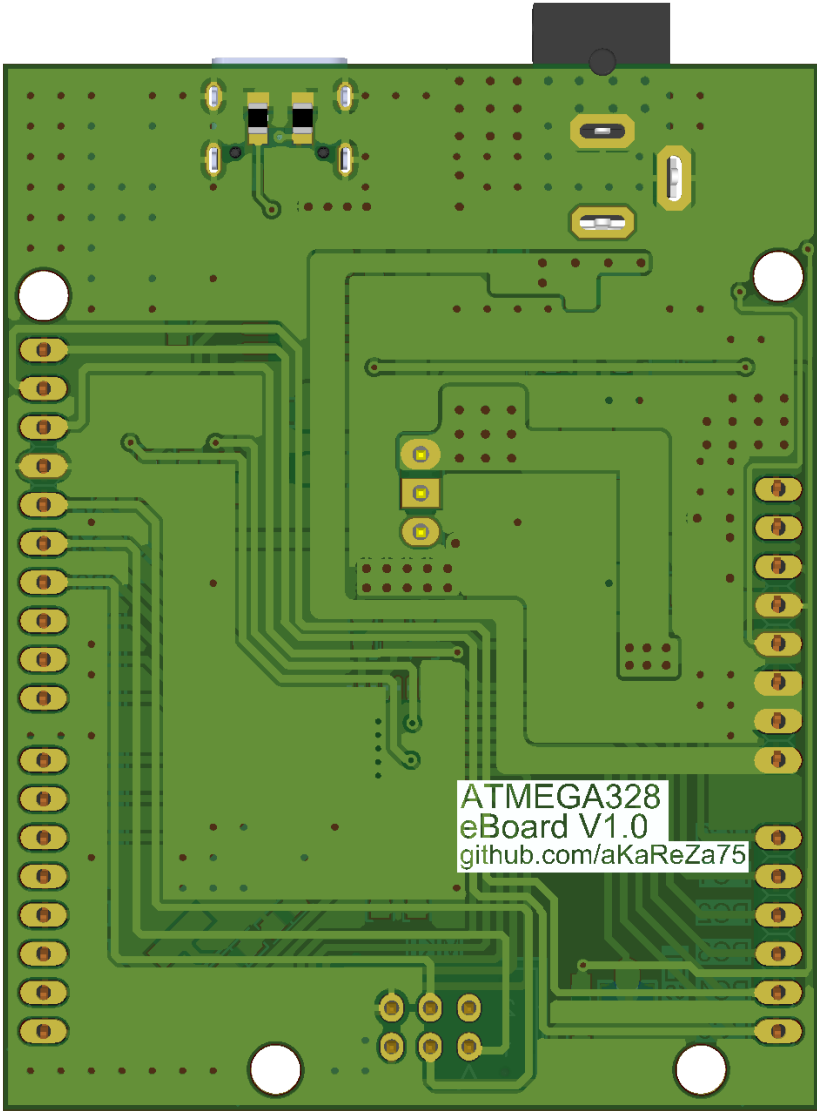
Top Layer (Scale 2:1)



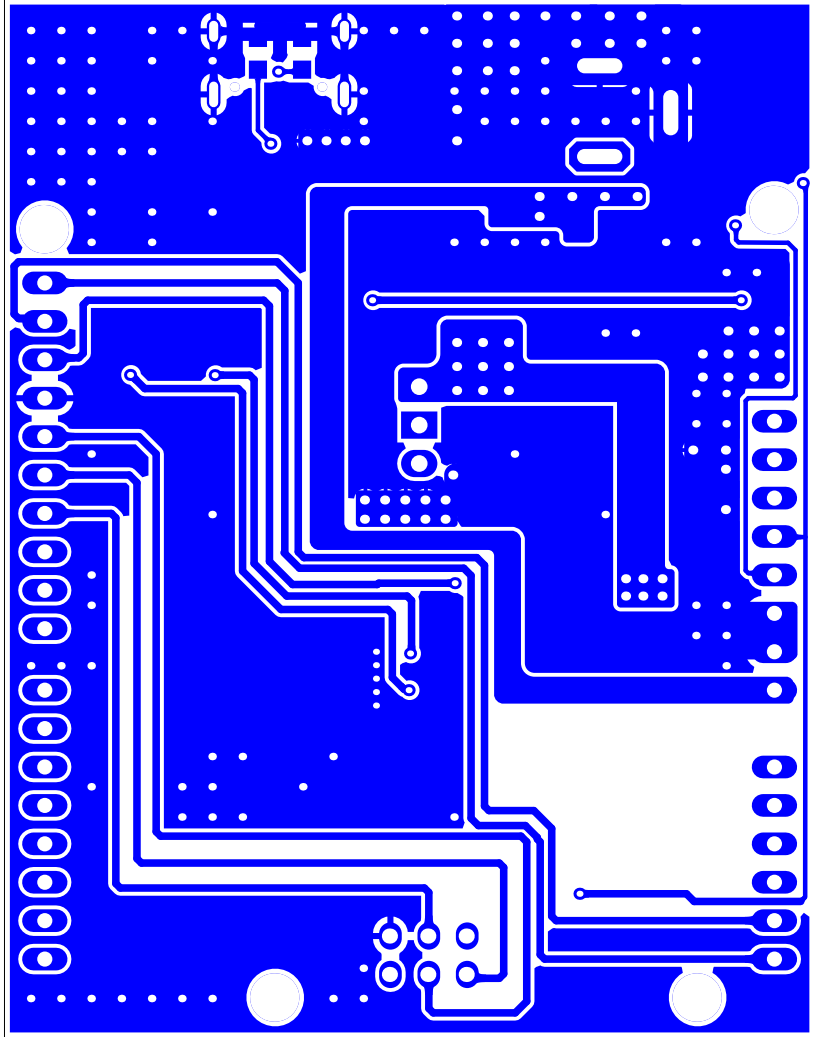
View from Top side (Scale 2:1)



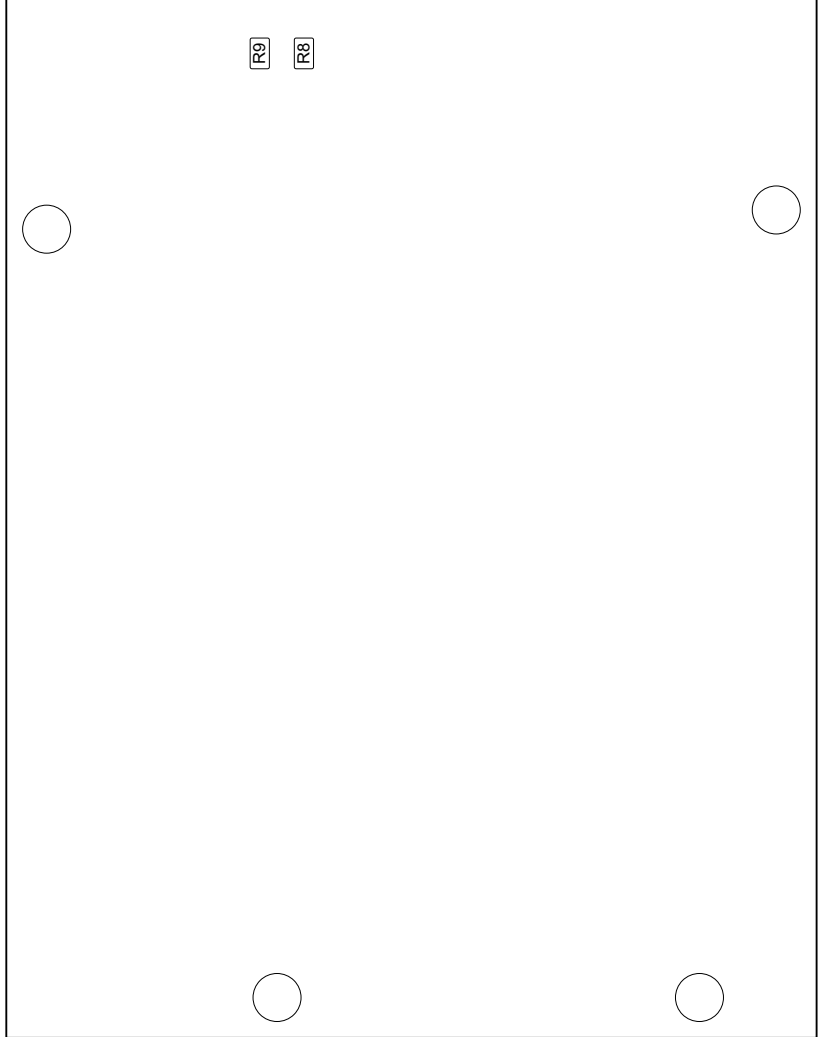
Realistic View





Bottom Layer (Scale 2:1)

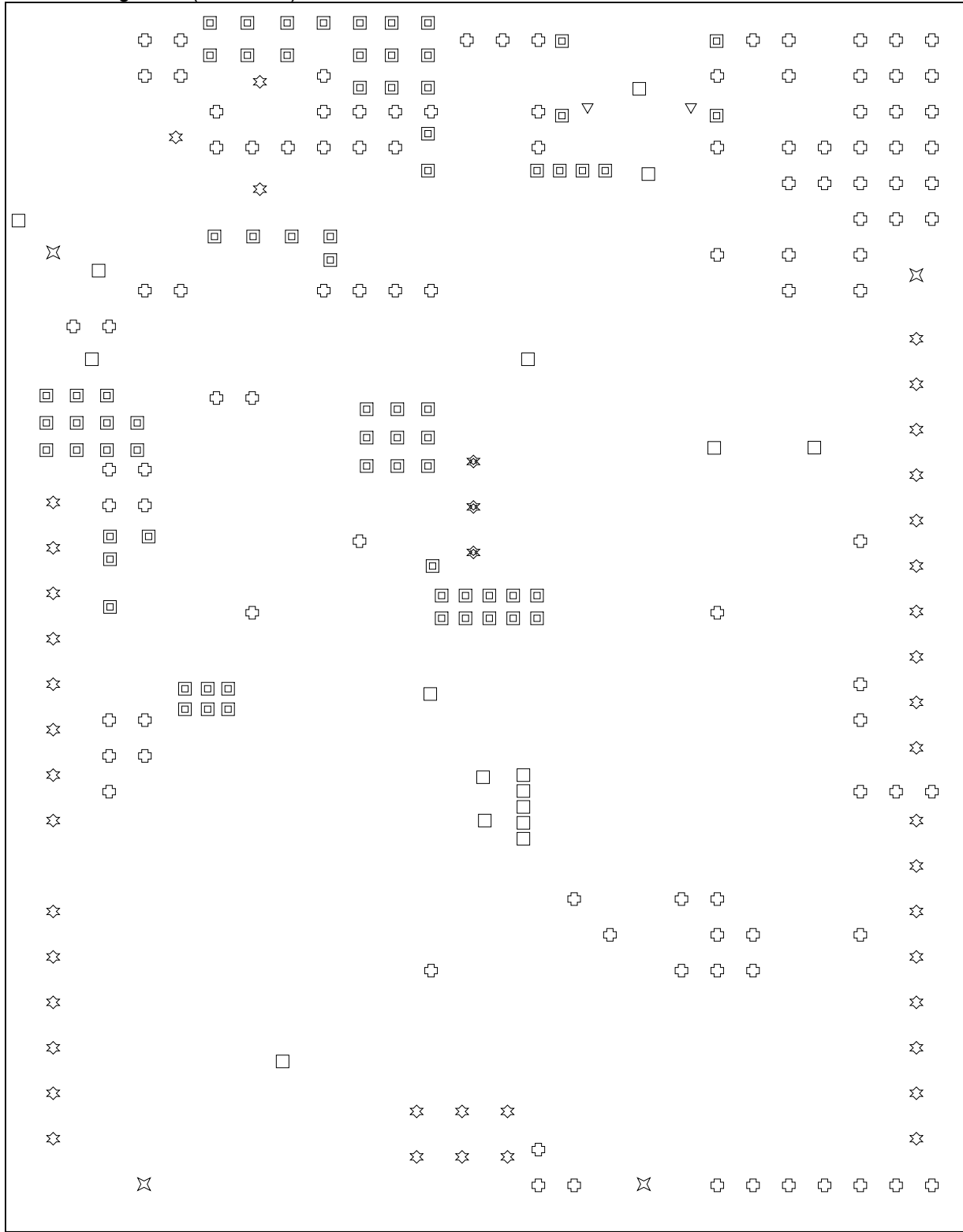


View from Bottom side (Scale 2:1)



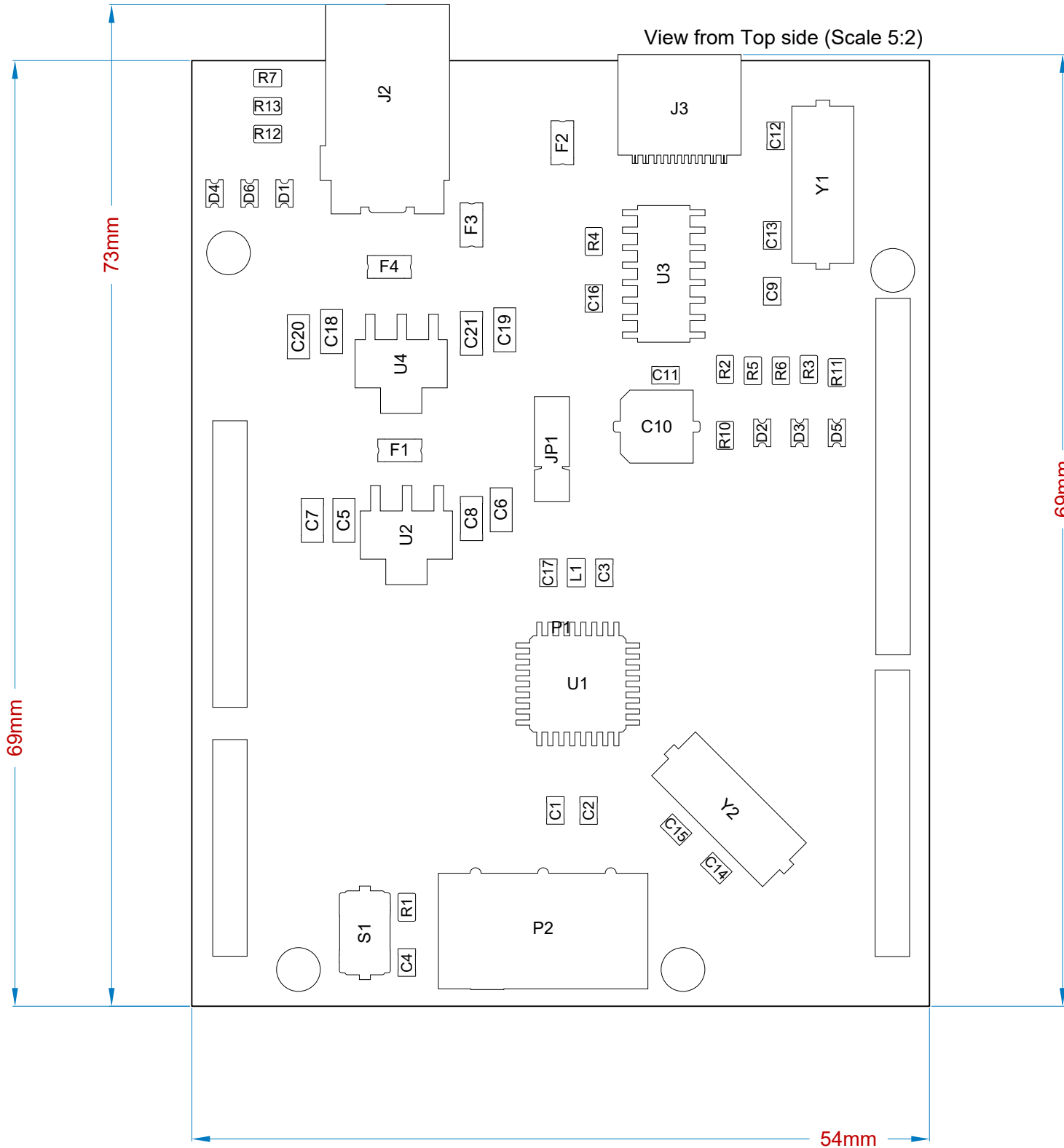
Title: Bottom View	Drawn by:	Hossein Bagheri	
Project: ATMEGA328	Revision: 1.0	 aKaReZa	
Company: github.com/aKaReZa75	Sheet 2 of 7		



Drill Drawing View (Scale 3:1)

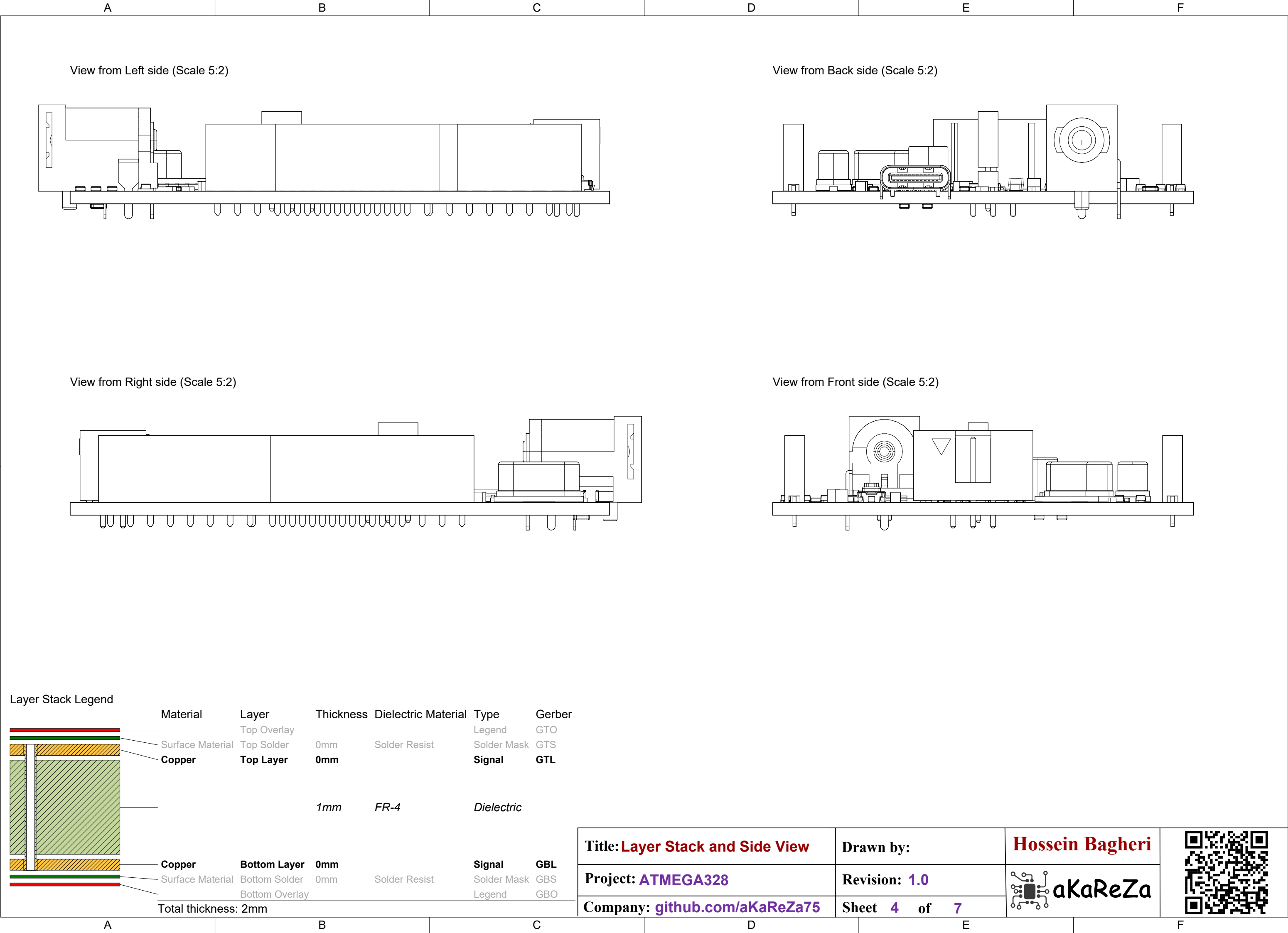


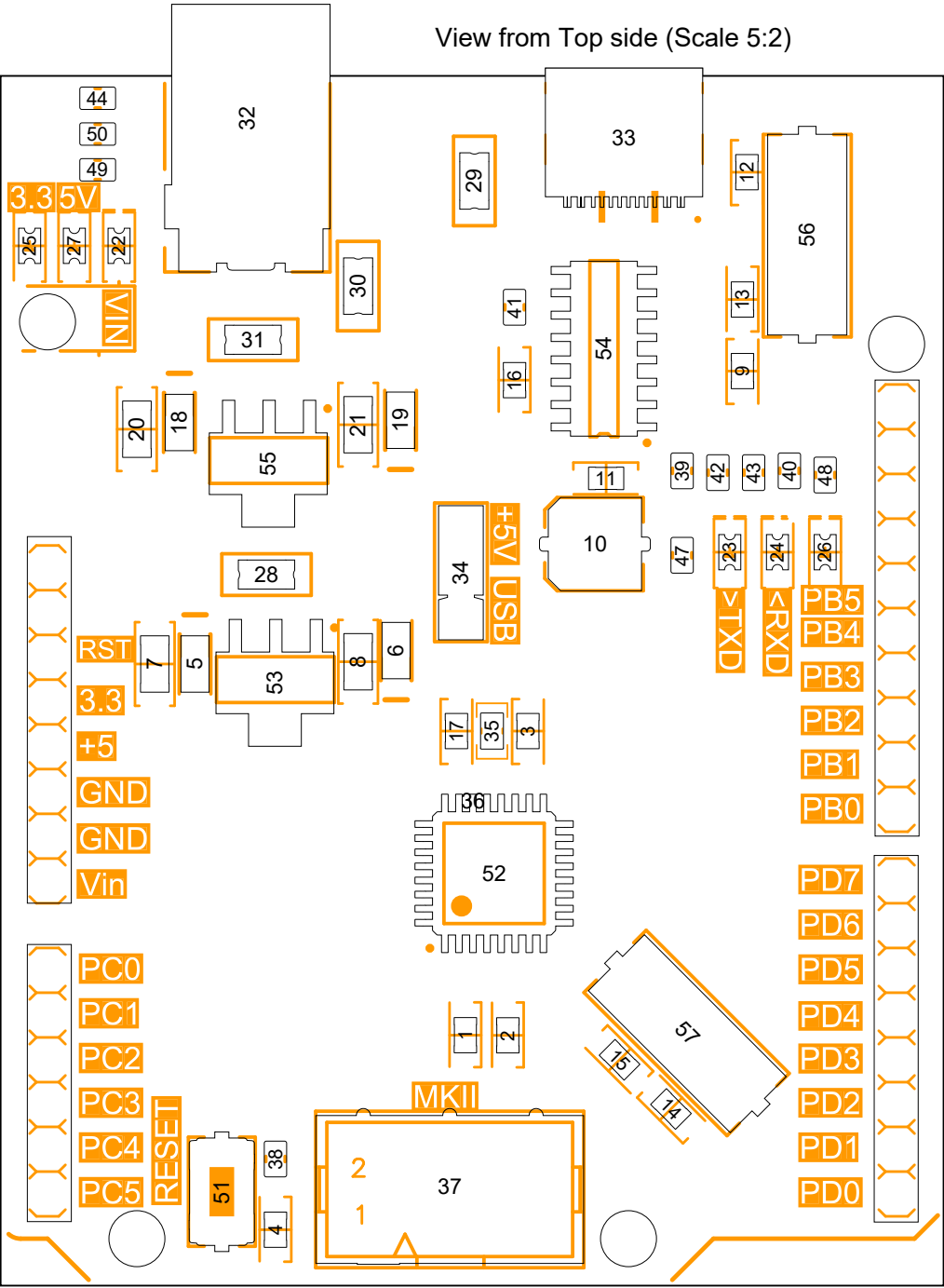
Drill Table				
Symbol	Count	Hole Size	Plated	Hole Tolerance
□	17	0mm	Plated	
⊕	102	0mm	Plated	
▽	2	1mm	Non-Plated	
▣	72	1mm	Plated	
☆	41	1mm	Plated	
✱	3	1mm	Plated	
✧	4	3mm	Plated	
241 Total				

View from Top side (Scale 5:2)



Title: Drill Drawing and Dimensions	Drawn by:	Hossein Bagheri	
Project: ATMEGA328	Revision: 1.0		
Company: github.com/aKaReZa75	Sheet 3 of 7		





Title: **Component Positions View**

Drawn by:

Hossein Bagheri

Project: **ATMEGA328**


Revision: **1.0**

 **aKaReZa**

Company: **github.com/aKaReZa75**

Sheet **5** of **7**



A		B		C		D		E		F	
Bill Of Materials											
Line #	Designator	Comment	Library Ref	Footprint	Package	Rating	Type	Value			
1	C1	100n	Cap_Multi_SMD_100nF_0805	CAP 0805/2012	0805	50V	MultiLayer	100n			
2	C2	100n	Cap_Multi_SMD_100nF_0805	CAP 0805/2012	0805	50V	MultiLayer	100n			
3	C3	100n	Cap_Multi_SMD_100nF_0805	CAP 0805/2012	0805	50V	MultiLayer	100n			
4	C4	100n	Cap_Multi_SMD_100nF_0805	CAP 0805/2012	0805	50V	MultiLayer	100n			
5	C5	10u	Cap_Tantalum	SMT_C_Tantalum_A	Package?	16V	Tantalum	10u			
6	C6	22u	Cap_Tantalum	SMT_C_Tantalum_A	Package?	6.3V	Tantalum	22u			
7	C7	100n	Cap_Multi_SMD_100nF_1206	CAP 1206/3216	1206	50V	MultiLayer	100n			
8	C8	100n	Cap_Multi_SMD_100nF_1206	CAP 1206/3216	1206	50V	MultiLayer	100n			
9	C9	10p	Cap_Multi_SMD_0805	CAP 0805/2012	0805	Rating?	MultiLayer	10p			
10	C10	10u	Cap_Electrolit_SMD	CAP ALUM 5MM	SMD	6.3V	Electrolit	10u			
11	C11	100n	Cap_Multi_SMD_100nF_0805	CAP 0805/2012	0805	50V	MultiLayer	100n			
12	C12	22p	Cap_Multi_SMD_0805	CAP 0805/2012	0805	Rating?	MultiLayer	22p			
13	C13	22p	Cap_Multi_SMD_0805	CAP 0805/2012	0805	Rating?	MultiLayer	22p			
14	C14	22p	Cap_Multi_SMD_0805	CAP 0805/2012	0805	Rating?	MultiLayer	22p			
15	C15	22p	Cap_Multi_SMD_0805	CAP 0805/2012	0805	Rating?	MultiLayer	22p			
16	C16	100n	Cap_Multi_SMD_100nF_0805	CAP 0805/2012	0805	50V	MultiLayer	100n			
17	C17	100n	Cap_Multi_SMD_100nF_0805	CAP 0805/2012	0805	50V	MultiLayer	100n			
18	C18	10u	Cap_Tantalum	SMT_C_Tantalum_A	Package?	16V	Tantalum	10u			
19	C19	22u	Cap_Tantalum	SMT_C_Tantalum_A	Package?	6.3V	Tantalum	22u			
20	C20	100n	Cap_Multi_SMD_100nF_1206	CAP 1206/3216	1206	50V	MultiLayer	100n			
21	C21	100n	Cap_Multi_SMD_100nF_1206	CAP 1206/3216	1206	50V	MultiLayer	100n			
22	D1	Yellow	Semi_LED_SMD	LED 0805/2012 YELLOW	Package?	Rating?	LED	Yellow			
23	D2	Red	Semi_LED_SMD	LED 0805/2012 RED	Package?	Rating?	LED	Red			
24	D3	Red	Semi_LED_SMD	LED 0805/2012 RED	Package?	Rating?	LED	Red			
25	D4	Green	Semi_LED_SMD	LED 0805/2012 GREEN	Package?	Rating?	LED	Green			
26	D5	Green	Semi_LED_SMD	LED 0805/2012 GREEN	Package?	Rating?	LED	Green			
27	D6	Red	Semi_LED_SMD	LED 0805/2012 RED	Package?	Rating?	LED	Red			
28	F1	0.5A	Other_Elec_Fuse_SMD	1206_F	1206	Rating?	Fast	0.5A			
29	F2	500m	Other_Elec_Fuse_SMD	1206_F	1206	Rating?	Fast	500m			
30	F3	3A	Other_Elec_Fuse_SMD	1206_F	1206	Rating?	Fast	3A			
31	F4	0.5A	Other_Elec_Fuse_SMD	1206_F	1206	Rating?	Fast	0.5A			
32	J2	Female	Con_Power_Jack	Power Jack BIG	Package?	Rating?	Type?	Female			
33	J3	12b	Con_USB_C	HRO_TYPE-C-31-M-12 - Extended	SMD	Rating?	C	12b			
34	JP1	0b	SW_Other_JSelector_Dip	jumper selector	Dip	Rating?	Selector	0b			
35	L1	100u	Ind_SMD_0805	IND0805	0805	Rating?	SMD	100u			
36	P1	UNO	Con_Arduino_UNO_Con	ARDUINO_UNO_CONNECTOR	Package?	Rating?	Type?	UNO			
37	P2	3x2	Con_Prog_MKII_ISP	IDC_2X3	Package?	Rating?	Type?	3x2			
38	R1	10K	Res_SMD_0805	RES 0805 (2012X06L)	0805	0.125W	10%	10K			
39	R2	1K	Res_SMD_0805	RES 0805 (2012X06L)	0805	0.125W	10%	1K			
40	R3	1K	Res_SMD_0805	RES 0805 (2012X06L)	0805	0.125W	10%	1K			
41	R4	10K	Res_SMD_0805	RES 0805 (2012X06L)	0805	0.125W	10%	10K			
42	R5	680	Res_SMD_0805	RES 0805 (2012X06L)	0805	0.125W	10%	680			
43	R6	680	Res_SMD_0805	RES 0805 (2012X06L)	0805	0.125W	10%	680			
44	R7	220b	Res_SMD_0805	RES 0805 (2012X06L)	0805	0.125W	10%	220b			
45	R8	4.7K	Res_SMD_0805	RES 0805 (2012X06L)	0805	0.125W	10%	4.7K			
46	R9	4.7K	Res_SMD_0805	RES 0805 (2012X06L)	0805	0.125W	10%	4.7K			
						Title: Bill of Materials		Drawn by:		Hossein Bagheri	
						Project: ATMEGA328		Revision: 1.0		 aKaReZa	
						Company: github.com/aKaReZa75		Sheet 6 of 7			
A		B		C		D		E		F	

