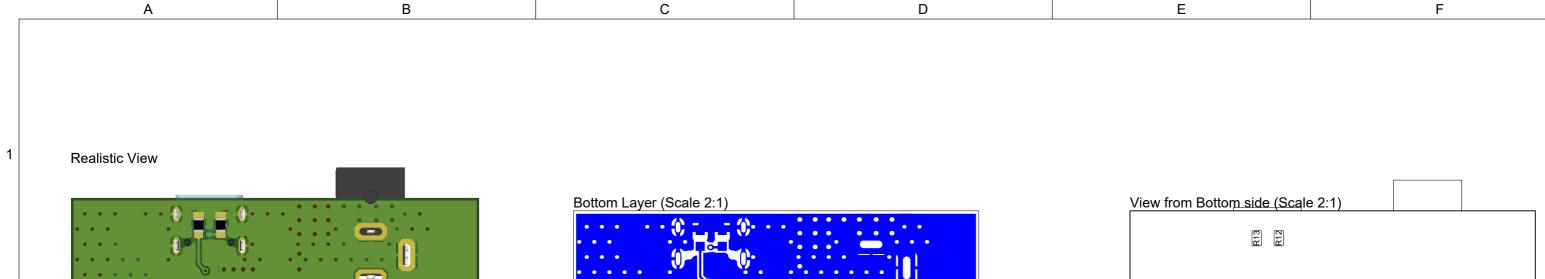


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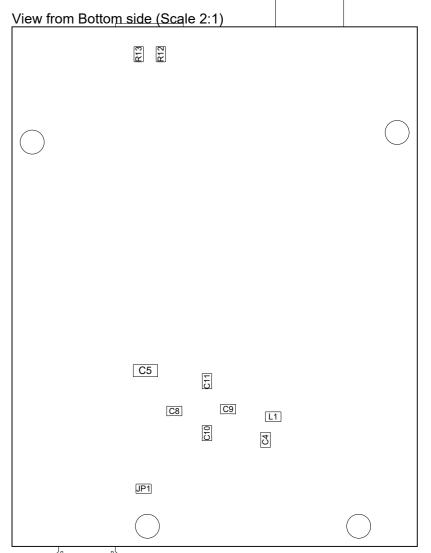
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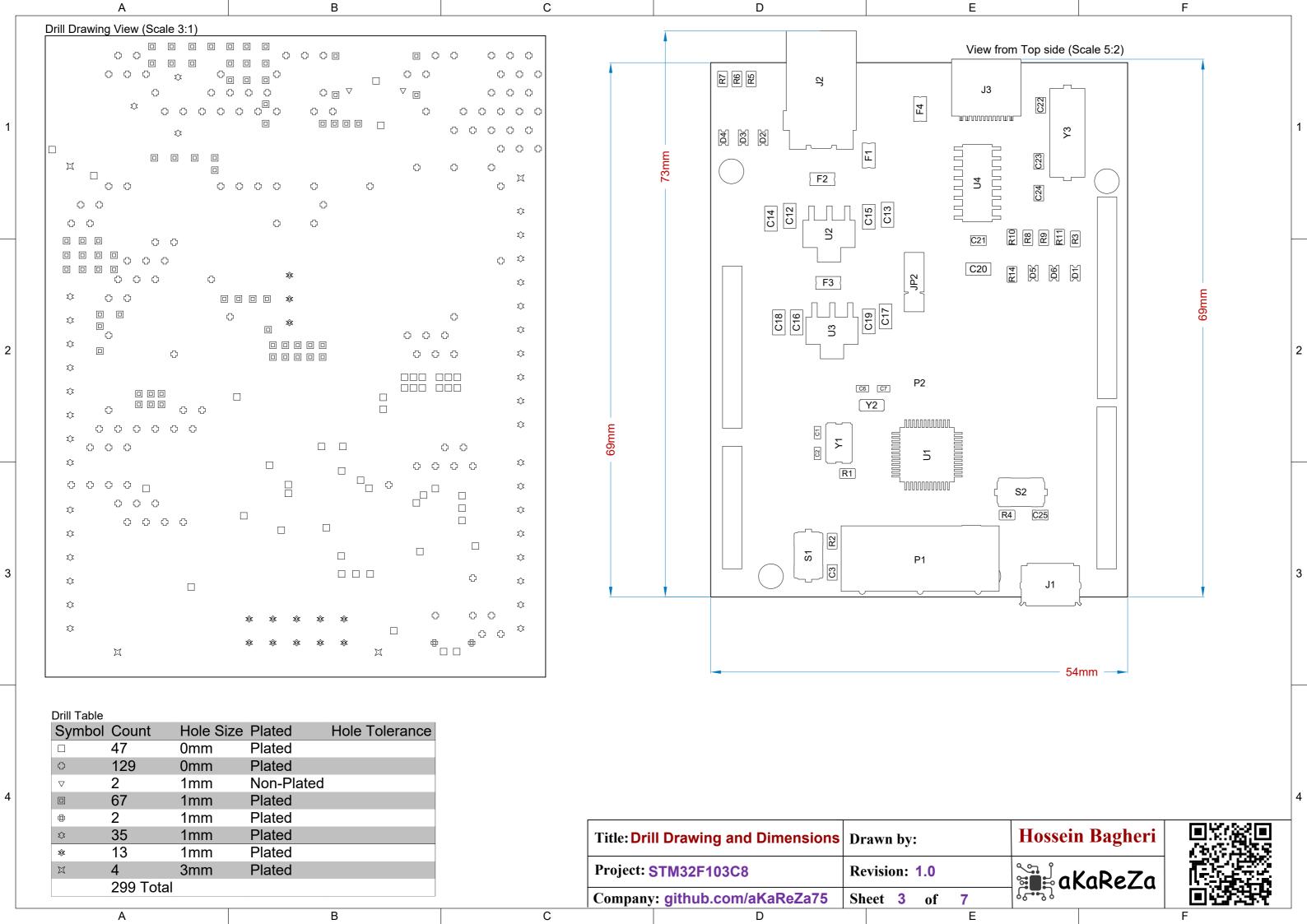
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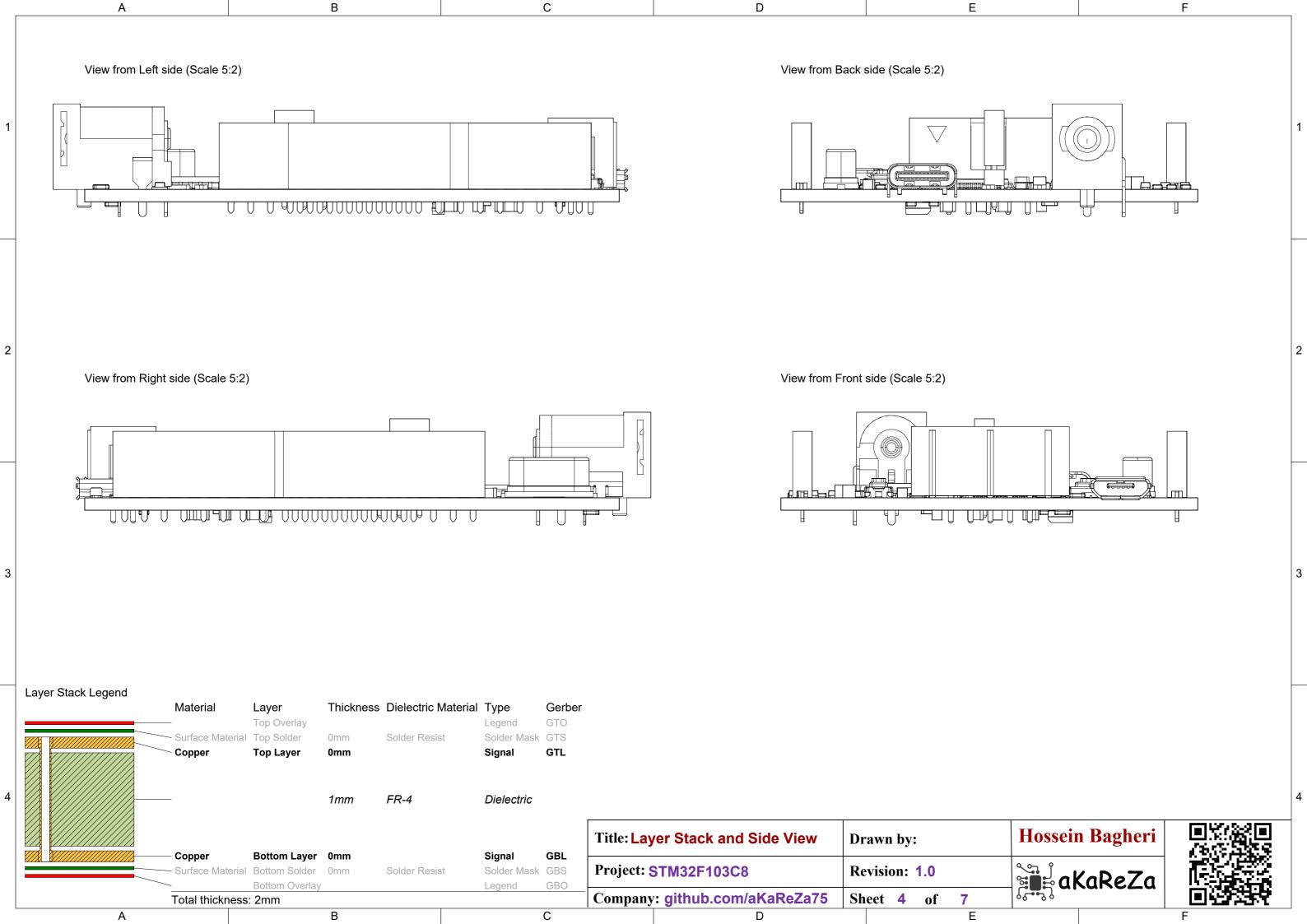


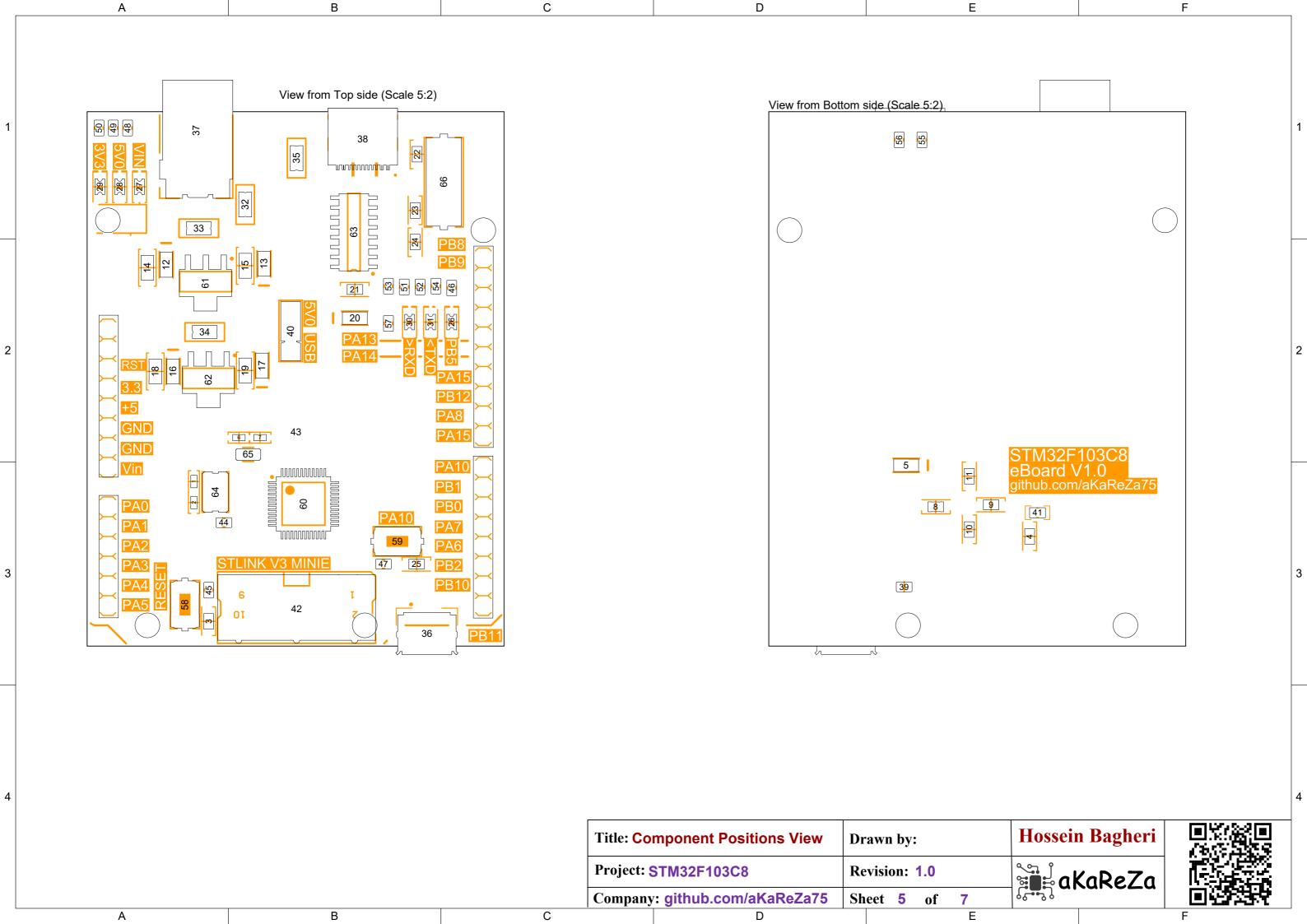
Title: Bottom View	Drawn by:	Hossein Bagheri	■%%%®■
Project: STM32F103C8	Revision: 1.0	aKaReZa	
Company: github.com/aKaReZa75	Sheet 2 of 7	وفر عه	

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#	Designator C1	Comment 20p	Library Ref Cap Multi SMD	Footprint CAP 0603/1608	Package 0603	Rating Rating?	Type Type?	Value 20p	
	C2	20p	Cap_Multi_SMD	CAP 0603/1608	0603	Rating?	Type?	20p	
	C3	100n	Cap_Multi_SMD_100nF _0805	CAP 0805/2012	0805	50V	MultiLayer	100n	
	C4	100n	Cap_Multi_SMD_100nF 0805	CAP 0805/2012	0805	50V	MultiLayer	100n	
	C5	10u	Cap_Tantalum	SMT_C_Tantalum_A	Package?	6.3V	Tantalum	10u	
	C6	12.5p	Cap_Multi_SMD	CAP 0603/1608	0603	Rating?	Type?	12.5p	
	C7	12.5p	Cap_Multi_SMD Cap_Multi_SMD_100nF	CAP 0603/1608	0603	Rating?	Type?	12.5p	
	C8	100n	0805 Cap_Multi_SMD_100nF	CAP 0603/2012	0805	50V	MultiLayer	100n	
_	C9	100n	_0805	CAP 0605/2012	0805	50V	MultiLayer	100n	
	C10	100n	Cap_Multi_SMD_100nF _0805	CAP 0605/2012	0805	50V	MultiLayer	100n	
	C11	100n	Cap_Multi_SMD_100nF 0805	CAP 0805/2012	0805	50V	MultiLayer	100n	
	C12	10u	Cap_Tantalum	SMT_C_Tantalum_A	Package?	16V	Tantalum	10u	
	C13	22u	Cap_Tantalum	SMT_C_Tantalum_A	Package?	6.3V	Tantalum	22u	
	C14	100n	Cap_Multi_SMD_100nF 1206	CAP 1206/3216	1206	50V	MultiLayer	100n	
	C15	100n	Cap_Multi_SMD_100nF	CAP 1206/3216	1206	50V	MultiLayer	100n	
	C16	10u	Cap Tantalum	SMT C Tantalum A	Package?	16V	Tantalum	10u	
	C17	22u	Cap Tantalum	SMT C Tantalum A	Package?	6.3V	Tantalum	22u	
	C18	100n	Cap_Multi_SMD_100nF		1206	50V	MultiLayer	100n	
	C19	100n	Cap_Multi_SMD_100nF	CAP 1206/3216	1206	50V	MultiLayer	100n	
	C20	10u	Cap_Tantalum	SMT_C_Tantalum_A	Package?	6.3V	Tantalum	10u	
	C21	100n	Cap_Multi_SMD_100nF 0805	CAP 0805/2012	0805	50V	MultiLayer	100n	
	C22	22p	Cap Multi SMD 0805	CAP 0805/2012	0805	Rating?	MultiLayer	22p	
	C23	22p	Cap Multi SMD 0805	CAP 0805/2012	0805	Rating?	MultiLayer	22p	
	C24	10n	Cap_Multi_SMD_0805	CAP 0805/2012	0805	Rating?	MultiLayer	10n	
	C25	100n	Cap_Multi_SMD_100nF _0805	CAP 0805/2012	0805	50V	MultiLayer	100n	
	D1	Green	Semi_LED_SMD	LED 0805/2012 GREEN	Package?	Rating?	LED	Green	
	D2	Yellow	Semi LED SMD	LED 0805/2012 YELLOW	Package?	Rating?	LED	Yellow	
	D3	Red	Semi_LED_SMD	LED 0805/2012 RED	Package?	Rating?	LED	Red	
	D4	Green	Semi LED SMD	LED 0805/2012	Package?	Rating?	LED	Green	
	D5	Red	Semi LED SMD	GREEN LED 0805/2012 RED	Package?	Rating?	LED	Red	
	D6	Red	Semi LED SMD	LED 0805/2012 RED	Package?	Rating?	LED	Red	_
	F1	3A	Other_Elec_Fuse_SMD		1206	Rating?	Fast	3A	
	F2	0.5A	Other_Elec_Fuse_SMD	1206_F	1206	Rating?	Fast	0.5A	
	F3	0.5A	Other_Elec_Fuse_SMD		1206	Rating?	Fast	0.5A	
	F4	500m	Other_Elec_Fuse_SMD		1206	Rating?	Fast	500m	
	J1	Micro	Con_USB2_Micro	USB_Micro_Standard	Package?	Rating?	Type?	Micro	
	J2	Female	Con_Power_Jack	Power Jack BIG	Package?	Rating?	Type?	Female	
	J3	12b	Con_USB_C	HRO_TYPE-C-31-M-12 - Extended	SMD	Rating?	С	12b	
	JP1	Jumper	Other_Elec_Jumper_08 05	RESC2012M (0805)	0805	Rating?	Type?	Jumper	
	JP2	0b	SW_Other_JSelector_D	jumper selector	Dip	Rating?	Selector	0b	
	L1	100u	Ind_SMD_0805	IND0805	0805	Rating?	SMD	100u	
	P1	STLinkV3-minie	Con_Prog_STLinkV3_S WD	IDC2.54-10PIN	Package?	Rating?	SWD	STLinkV3-minie	
	P2	UNO	Con_Arduino_UNO_Co	ARDUINO_UNO_CON NECTOR	Package?	Rating?	Type?	UNO	
			11	NEOTOR	I	I	1	1	
					Title: Bill of M	aterials	Drawn b	oy:	Hossein Bagher
					Project: STM3	2540200	Revision	. 1 0	aKaReZ

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Company: github.com/aKaReZa75 Sheet 6 of 7

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Designation	R1 R2 R3 R4 R4 R5 R6 R7 R4 R6 R7 R6 R6 R7 R8 R8 R8 R9 R10 R11 R12 R13 R14 R14 R14 R14 R14 R14 R15 R15 R15 R16 R17 R14 R17 R14 R17 R14 R17 R17 R17 R18 R19 R19 R19 R10 R11 R11 R11 R12 R13 R14 R14 R14 R15 R15 R15 R15 R15 R15 R16 R17 R16 R17	390b 10K 1K 1K 10K 1.8K 680b 220b 680 680 680 1K	Res SMD 0805 Res S	RES 0805 (2012X06L) SW_PB_SMD_2PIN_S_PST_6X3X2 LQFP48_N	0805 0805 0805 0805 0805 0805 0805 0805	0.125W	10% 10% 10% 10% 10% 10% 10% 10% 10% 10%	390b 10K 1K 10K 1.8K 680b 220b 680 680 1K 1K 4.7K 4.7K 4.7K PB		
Designator Comment	Designa R1	390b 10K 1K 1K 10K 1.8K 680b 220b 680 680 680 1K	Res SMD 0805 Res S	RES 0805 (2012X06L) SW_PB_SMD_2PIN_S_PST_6X3X2 LQFP48_N	0805 0805 0805 0805 0805 0805 0805 0805	0.125W	10% 10% 10% 10% 10% 10% 10% 10% 10% 10%	390b 10K 1K 10K 1.8K 680b 220b 680 680 1K 1K 4.7K 4.7K 4.7K PB		
R1 390b Res SMD 0805 RES 0805 (2012X06L) 0805 0.125W 10% 390b R2 10K Res SMD 0805 RES 0805 (2012X06L) 0805 0.125W 10% 10K R3 1K Res SMD 0805 RES 0805 (2012X06L) 0805 0.125W 10% 10K R4 10K Res SMD 0805 RES 0805 (2012X06L) 0805 0.125W 10% 10K R5 MD 0805 RES 0805 (2012X06L) 0805 0.125W 10% 10K R6 660b Res SMD 0805 RES 0805 (2012X06L) 0805 0.125W 10% 18K R6 680b Res SMD 0805 RES 0805 (2012X06L) 0805 0.125W 10% 18K R6 680b Res SMD 0805 RES 0805 (2012X06L) 0805 0.125W 10% 6800 R7 220b Res SMD 0805 RES 0805 (2012X06L) 0805 0.125W 10% 6800 R8 6800 R8 5800 0805 RES 0805 (2012X06L) 0805 0.125W 10% 6800 R8 6800 R8 5800 0805 RES 0805 (2012X06L) 0805 0.125W 10% 6800 R9 6800 Res SMD 0805 RES 0805 (2012X06L) 0805 0.125W 10% 6800 R9 6800 Res SMD 0805 RES 0805 (2012X06L) 0805 0.125W 10% 6800 R110 1K Res SMD 0805 RES 0805 (2012X06L) 0805 0.125W 10% 6800 R110 1K Res SMD 0805 RES 0805 (2012X06L) 0805 0.125W 10% 10% 10K R8 10K R11 1K Res SMD 0805 RES 0805 (2012X06L) 0805 0.125W 10% 10% 11K R8 10 MD 10	R1 R2 R3 R4 R4 R8 R5 R6 R6 R7 R8 R6 R7 R8 R8 R9 R10 R11 R12 R12 R13 R14 R14 R14 R14 R14 R14 R15 R15 R15 R16 R17 R17 R18 R19 R19 R11 R19 R11 R11 R11 R12 R13 R14 R14 R14 R14 R15 R15 R15 R15 R15 R15 R16 R17 R16 R17	390b 10K 1K 1K 10K 1.8K 680b 220b 680 680 680 1K	Res SMD 0805 Res S	RES 0805 (2012X06L) SW_PB_SMD_2PIN_S_PST_6X3X2 LQFP48_N	0805 0805 0805 0805 0805 0805 0805 0805	0.125W	10% 10% 10% 10% 10% 10% 10% 10% 10% 10%	390b 10K 1K 10K 1.8K 680b 220b 680 680 1K 1K 4.7K 4.7K 4.7K PB		
R2	6 R2 6 R3 7 R4 8 R5 9 R6 0 R7 1 R8 2 R9 8 R10 8 R11 6 R13 7 R14 8 S1 9 S2 0 U1 1 U2 2 U3 3 U4 4 Y1 5 Y2	10K 1K 10K 118K 680b 220b 680 680 680 1K 11K 1K 1K 1K 1K 1K 1E 1	Res_SMD_0805 Res_S	RES 0805 (2012X06L) SW_PB_SMD_2PIN_S_PST_6X3X2 LQFP48_N	0805 0805 0805 0805 0805 0805 0805 0805 0805 0805 0805 0805 0805 0805 0805	0.125W 0.125W 0.125W 0.125W 0.125W 0.125W 0.125W 0.125W 0.125W 0.125W 0.125W 0.125W 0.125W	10% 10% 10% 10% 10% 10% 10% 10% 10% 10%	10K 1K 10K 1.8K 680b 220b 680 680 1K 1K 4.7K 4.7K 4.7K		
R4 10K Res SMD 0805 RES 0805 (2012X06L) 0805 0.125W 10% 10K R5 1.8K Res SMD 0805 RES 0805 (2012X06L) 0805 0.125W 10% 680b R6 680b Res SMD 0805 RES 0805 (2012X06L) 0805 0.125W 10% 680b R7 220b Res SMD 0805 RES 0805 (2012X06L) 0805 0.125W 10% 680 R8 680 Res SMD 0805 RES 0805 (2012X06L) 0805 0.125W 10% 680 R9 680 Res SMD 0805 RES 0805 (2012X06L) 0805 0.125W 10% 1K 680 R10 1K Res SMD 0805 RES 0805 (2012X06L) 0805 0.125W 10% 1K 1K 1K Res SMD 0805 RES 0805 (2012X06L) 0805 0.125W 10% 1K 1K 1K Res SMD 0805 RES 0805 (2012X06L) 0805 0.125W 10% 4.7K 1K 1K Res SMD 0805 RES 0805 (2012X06L) 0805	R4 R5 R6 R6 R7 R8 R8 R9 R9 R10 R11 R12 R12 R13 R14 R14 R14 R14 R14 R15 R15 R15 R15 R16 R17 R16 R17 R17 R17 R17 R17 R18 R18 R19 R19 R19 R19 R10 R11 R11 R12 R11 R12 R13 R14 R14 R15 R15 R15 R15 R15 R15 R15 R16 R17	10K 1.8K 680b 220b 680 680 680 1K 1K 1K 2 4.7K 3 4.7K 4.7K 4 1.8K PB PB STM32F103C8T6 5V 3.3V CH340G	Res_SMD_0805 SW_PushButton_2_SM_D SW_PushButton_2_SM_D IC_MCU_STM32F103C_8T6 IC_Reg_AMS1117_3.3 IC_Reg_AMS1117_3.3	RES 0805 (2012X06L) SW_PB_SMD_2PIN_S_PST_6X3X2 LQFP48_N	0805 0805 0805 0805 0805 0805 0805 0805 0805 0805 0805 SMD	0.125W 0.125W 0.125W 0.125W 0.125W 0.125W 0.125W 0.125W 0.125W 0.125W 0.125W	10% 10% 10% 10% 10% 10% 10% 10% 10% 10%	10K 1.8K 680b 220b 680 680 1K 1K 4.7K 4.7K 4.7K		
R5 1.8K Res_SMD_0805 RES_9805 (2012X06L) 0805 0.125W 10% 1.8K R6 680b Res_SMD_0805 RES_9805 (2012X06L) 0805 0.125W 10% 220b R7 220b Res_SMD_0805 RES_0805 (2012X06L) 0805 0.125W 10% 220b R8 680 Res_SMD_0805 RES_0805 (2012X06L) 0805 0.125W 10% 680 R9 680 Res_SMD_0805 RES_0805 (2012X06L) 0805 0.125W 10% 680 R10 1K Res_SMD_0805 RES_0805 (2012X06L) 0805 0.125W 10% 1K R11 1K Res_SMD_0805 RES_0805 (2012X06L) 0805 0.125W 10% 1K R12 4.7K Res_SMD_0805 RES_0805 (2012X06L) 0805 0.125W 10% 4.7K R13 4.7K Res_SMD_0805 RES_0805 (2012X06L) 0805 0.125W 10% 4.7K R14 1.8K Res_SMD_0805 RES_0	R5 R6 R6 R7 R8 R9 R10 R11 R12 R13 R14 S1 S1 U1 U2 U3 U4 Y1 Y2	1.8K 680b 220b 680 680 680 1K 1K 1K 2 4.7K 3 4.7K 4 1.8K PB PB STM32F103C8T6 5V 3.3V CH340G	Res_SMD_0805 SW_PushButton_2_SM_D SW_PushButton_2_SM_D IC_MCU_STM32F103C_8T6 IC_Reg_AMS1117_3.3 IC_Reg_AMS1117_3.3	RES 0805 (2012X06L) SW_PB_SMD_2PIN_S PST_6X3X2 LQFP48_N	0805 0805 0805 0805 0805 0805 0805 0805 0805 0805 SMD	0.125W 0.125W 0.125W 0.125W 0.125W 0.125W 0.125W 0.125W 0.125W 0.125W	10% 10% 10% 10% 10% 10% 10% 10% 10% 10%	1.8K 680b 220b 680 680 1K 1K 4.7K 4.7K 4.7K		
R6 680b Res SMD 0805 RES 0805 (2012X06L) 0805 0.125W 10% 680b R7 220b Res SMD 0805 RES 0805 (2012X06L) 0805 0.125W 10% 680 R9 680 Res SMD 0805 RES 0805 (2012X06L) 0805 0.125W 10% 680 R10 1K Res SMD 0805 RES 0805 (2012X06L) 0805 0.125W 10% 680 R11 1K Res SMD 0805 RES 0805 (2012X06L) 0805 0.125W 10% 1K R12 4.7K Res SMD 0805 RES 0805 (2012X06L) 0805 0.125W 10% 4.7K R13 4.7K Res SMD 0805 RES 0805 (2012X06L) 0805 0.125W 10% 4.7K R14 1.8K Res SMD 0805 RES 0805 (2012X06L) 0805 0.125W 10% 4.7K R14 1.8K Res SMD 0805 RES 0805 (2012X06L) 0805 0.125W 10% 4.7K R15 PB SW_Pushbutton 2 SM <	R6 R7 R8 R9 R10 R11 R12 R13 R14 S1 S2 U1 U2 U3 U4 Y1	680b 220b 680 680 680 0 1K 1K 1K 2 4.7K 3 4.7K 4.7K FB PB STM32F103C8T6 5V 3.3V CH340G	Res_SMD_0805 Res_SMD_0805 Res_SMD_0805 Res_SMD_0805 Res_SMD_0805 Res_SMD_0805 Res_SMD_0805 Res_SMD_0805 Res_SMD_0805 SW_PushButton_2_SM_D SW_PushButton_2_SM_D IC_MCU_STM32F103C_8T6 IC_Reg_AMS1117_3.3 IC_Reg_AMS1117_3.3	RES 0805 (2012X06L) SW_PB_SMD_2PIN_S PST_6X3X2 SW_PB_SMD_2PIN_S PST_6X3X2 LQFP48_N	0805 0805 0805 0805 0805 0805 0805 0805	0.125W 0.125W 0.125W 0.125W 0.125W 0.125W 0.125W 0.125W 0.125W	10% 10% 10% 10% 10% 10% 10% 10% Vertical	680b 220b 680 680 1K 1K 4.7K 4.7K 1.8K		
R8 680 Res SMD_0805 RES 0805 (2012X06L) 0805 0.125W 10% 680 R9 680 Res SMD_0805 RES 0805 (2012X06L) 0805 0.125W 10% 680 R10 1K Res SMD_0805 RES 0805 (2012X06L) 0805 0.125W 10% 1K R11 1K Res SMD_0805 RES 0805 (2012X06L) 0805 0.125W 10% 1K R12 4.7K Res SMD_0805 RES 0805 (2012X06L) 0805 0.125W 10% 4.7K R13 4.7K Res SMD_0805 RES 0805 (2012X06L) 0805 0.125W 10% 4.7K R14 1.8K Res SMD_0805 RES 0805 (2012X06L) 0805 0.125W 10% 4.7K S1 PB SW_PushButton_2_SM SMD_DES 0805 0.125W 10% 1.8K S2 PB SW_PushButton_2_SM SMD_SMD_2PIN_S PST_6X3X2 SMD_DES 0805 PST_6X3X2 NMD_DES 0805 PST_6X3X2 PST_6X3X2 NMD_DES 0805 NMD_DES 0805	R7 R8 R9 R10 R11 R12 R13 R14 S1 S2 U1 U2 U3 U4 Y1 Y2	680 680 0 1K 1K 2 4.7K 3 4.7K 4.7K 4.7K 1.8K PB PB STM32F103C8T6 5V 3.3V CH340G	Res_SMD_0805 Res_SMD_0805 Res_SMD_0805 Res_SMD_0805 Res_SMD_0805 Res_SMD_0805 Res_SMD_0805 SW_PushButton_2_SM D IC_MCU_STM32F103C 8T6 IC_Reg_AMS1117_3.3 IC_Reg_AMS1117_3.3	RES 0805 (2012X06L) SW_PB_SMD_2PIN_S PST_6X3X2 SW_PB_SMD_2PIN_S PST_6X3X2 LQFP48_N	0805 0805 0805 0805 0805 0805 0805 SMD	0.125W 0.125W 0.125W 0.125W 0.125W 0.125W 0.125W	10% 10% 10% 10% 10% 10% 10% Vertical	680 680 1K 1K 4.7K 4.7K 4.7K 1.8K		
R9	R9 R10 R11 R12 R13 R14 S1 S2 U1 U2 U3 U4 Y1 Y2	680 0 1K 1K 2 4.7K 8 4.7K 1 1.8K PB PB STM32F103C8T6 5V 3.3V CH340G	Res_SMD_0805 Res_SMD_0805 Res_SMD_0805 Res_SMD_0805 Res_SMD_0805 Res_SMD_0805 SW_PushButton_2_SM D IC_MCU_STM32F103C 8T6 IC_Reg_AMS1117_3.3 IC_Reg_AMS1117_3.3	RES 0805 (2012X06L) SW_PB_SMD_2PIN_S PST_6X3X2 SW_PB_SMD_2PIN_S PST_6X3X2 LQFP48_N	0805 0805 0805 0805 0805 0805 SMD	0.125W 0.125W 0.125W 0.125W 0.125W 0.125W 2b	10% 10% 10% 10% 10% 10% Vertical	680 1K 1K 4.7K 4.7K 1.8K		
R10	R10 R11 R12 R13 R14 S1 S2 U1 U2 U3 U4 Y1 Y2	1K 1K 2 4.7K 3 4.7K 4.7K 4.7K 4 1.8K PB PB STM32F103C8T6 5V 3.3V CH340G	Res_SMD_0805 Res_SMD_0805 Res_SMD_0805 Res_SMD_0805 Res_SMD_0805 SW_PushButton_2_SM D SW_PushButton_2_SM D IC_MCU_STM32F103C 8T6 IC_Reg_AMS1117_3.3 IC_Reg_AMS1117_3.3	RES 0805 (2012X06L) SW_PB_SMD_2PIN_S PST_6X3X2 SW_PB_SMD_2PIN_S PST_6X3X2 LQFP48_N	0805 0805 0805 0805 0805 SMD	0.125W 0.125W 0.125W 0.125W 0.125W 2b	10% 10% 10% 10% 10% Vertical	1K 1K 4.7K 4.7K 1.8K		
R11	R11 R12 R13 R14 S1 S2 U1 U2 U3 U4 Y1 Y2	1K 2 4.7K 3 4.7K 4.7K 4.7K 4.7K 4.7K 4.7K 5 1.8K PB PB STM32F103C8T6 5V 3.3V CH340G	Res_SMD_0805 Res_SMD_0805 Res_SMD_0805 Res_SMD_0805 SW_PushButton_2_SM D SW_PushButton_2_SM D IC_MCU_STM32F103C 8T6 IC_Reg_AMS1117_3.3 IC_Reg_AMS1117_3.3	RES 0805 (2012X06L) RES 0805 (2012X06L) RES 0805 (2012X06L) RES 0805 (2012X06L) SW_PB_SMD_2PIN_S PST_6X3X2 SW_PB_SMD_2PIN_S PST_6X3X2 LQFP48_N	0805 0805 0805 0805 SMD	0.125W 0.125W 0.125W 0.125W 2b	10% 10% 10% 10% Vertical	1K 4.7K 4.7K 1.8K		
R13	S1 S2 U1 U2 U3 U4 Y1 Y2	9 4.7K 1.8K PB PB STM32F103C8T6 5V 3.3V CH340G	Res_SMD_0805 Res_SMD_0805 SW_PushButton_2_SM D SW_PushButton_2_SM D IC_MCU_STM32F103C 8T6 IC_Reg_AMS1117_3.3 IC_Reg_AMS1117_3.3	RES 0805 (2012X06L) RES 0805 (2012X06L) SW_PB_SMD_2PIN_S	0805 0805 SMD	0.125W 0.125W 2b	10% 10% Vertical	4.7K 1.8K PB		
R14	S1 S2 U1 U2 U3 U4 Y1 Y2	1.8K PB PB STM32F103C8T6 5V 3.3V CH340G	Res_SMD_0805 SW_PushButton_2_SM D SW_PushButton_2_SM D IC_MCU_STM32F103C 8T6 IC_Reg_AMS1117_3.3 IC_Reg_AMS1117_3.3	RES 0805 (2012X06L) SW_PB_SMD_2PIN_S PST_6X3X2 SW_PB_SMD_2PIN_S PST_6X3X2 LQFP48_N	0805 SMD SMD	0.125W 2b	10% Vertical	1.8K PB		
S1	S1 S2 U1 U2 U3 U4 Y1	PB PB STM32F103C8T6 5V 3.3V CH340G	SW_PushButton_2_SM_D SW_PushButton_2_SM_D IC_MCU_STM32F103C_8T6 IC_Reg_AMS1117_3.3 IC_Reg_AMS1117_3.3	SW_PB_SMD_2PIN_S PST_6X3X2 SW_PB_SMD_2PIN_S PST_6X3X2 LQFP48_N	SMD SMD	2b	Vertical	РВ		
S2 PB SW_PushButton_2_SM SW_PB_SMD_2PIN_S PST_6X3X2 SMD 2b Vertical PB	S2 U1 U2 U3 U4 Y1	PB STM32F103C8T6 5V 3.3V CH340G	SW_PushButton_2_SM D IC_MCU_STM32F103C 8T6 IC_Reg_AMS1117_3.3 IC_Reg_AMS1117_3.3	SW_PB_SMD_2PIN_S PST_6X3X2 LQFP48_N	SMD					
D	U1 U2 U3 U4 Y1 Y2	STM32F103C8T6 5V 3.3V CH340G	D IC_MCU_STM32F103C 8T6 IC_Reg_AMS1117_3.3 IC_Reg_AMS1117_3.3	PST_6X3X2 LQFP48_N		2b	Vertical			
U2 5V IC_Reg_AMS1117_3.3 SOT223_M SOT223 1A LDO 5V	U2 U3 U4 Y1 Y2	5V 3.3V CH340G	8T6 IC_Reg_AMS1117_3.3 IC_Reg_AMS1117_3.3	_	LQFP48		VOLUGUI	PB		
U3 3.3V IC_Reg_AMS1117_3.3 SOT223_M SOT223 1A LDO 3.3V U4 CH340G IC_Converter_CH340G SO16_M SO-16 Rating? USB to TTL CH340G Y1 8MHz Other_Elec_Xtal_8MHZ _SMD XTL_2_5032 5032 10ppm Crystal 8MHz Y2 32.768KHz Other_Elec_Xtal_32.76 _8K_SMD XTL_2_3215 3215 20ppm Crystal 32.768KHz	V3 U4 Y1 Y2	3.3V CH340G	IC_Reg_AMS1117_3.3	SOT223 M		CORTEX-M3	Microcontroller	STM32F103C8T6		
U4 CH340G IC_Converter_CH340G SO16_M SO-16 Rating? USB to TTL CH340G Y1 8MHz Other_Elec_Xtal_8MHZ _SMD XTL_2_5032 5032 10ppm Crystal 8MHz Y2 32.768KHz Other_Elec_Xtal_32.76 _8K_SMD XTL_2_3215 3215 20ppm Crystal 32.768KHz	V4 Y1 Y2	CH340G	IC_Reg_AMS1117_3.3							
Y1 8MHz Other_Elec_Xtal_8MHZ SMD XTL_2_5032 5032 10ppm Crystal 8MHz Y2 32.768KHz Other_Elec_Xtal_32.76 8K_SMD XTL_2_3215 3215 20ppm Crystal 32.768KHz	Y1 Y2		TO CONVENE CITO 1040G						_	
Y2 32.768KHz Other_Elec_Xtal_32.76	Y2	8MHZ		_					4	
8K_SMD X1L_2_3213 32.700KHZ SYSTAN S2.700KHZ			SMD	X1L_2_5032	5032	10ppm	Crystal	8MHZ		7
	V3	32.768KHz	Other_Elec_Xtal_32.76	XTL_2_3215	3215	20ppm	Crystal	32.768KHz		
	10	12M		Crystal SMD	SMD	Rating?	Quartz	12M		
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Company: github.com/aKaReZa75 Sheet 7 of 7 С Α В Ε