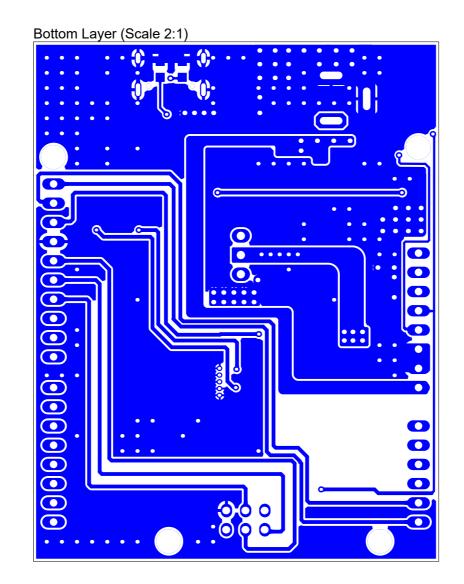
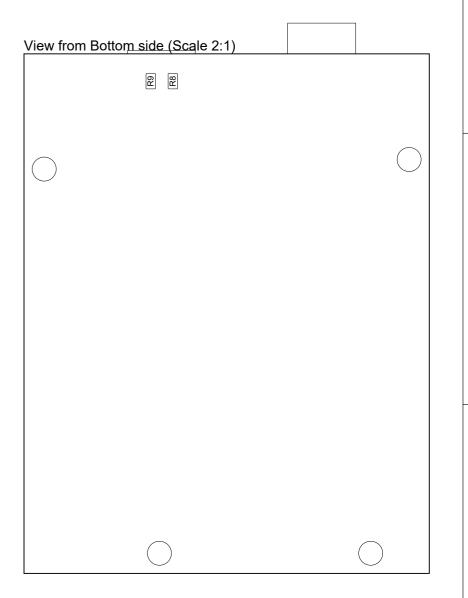




Realistic View ATMEGA328 eBoard V1.1 github.com/aKaReZa75

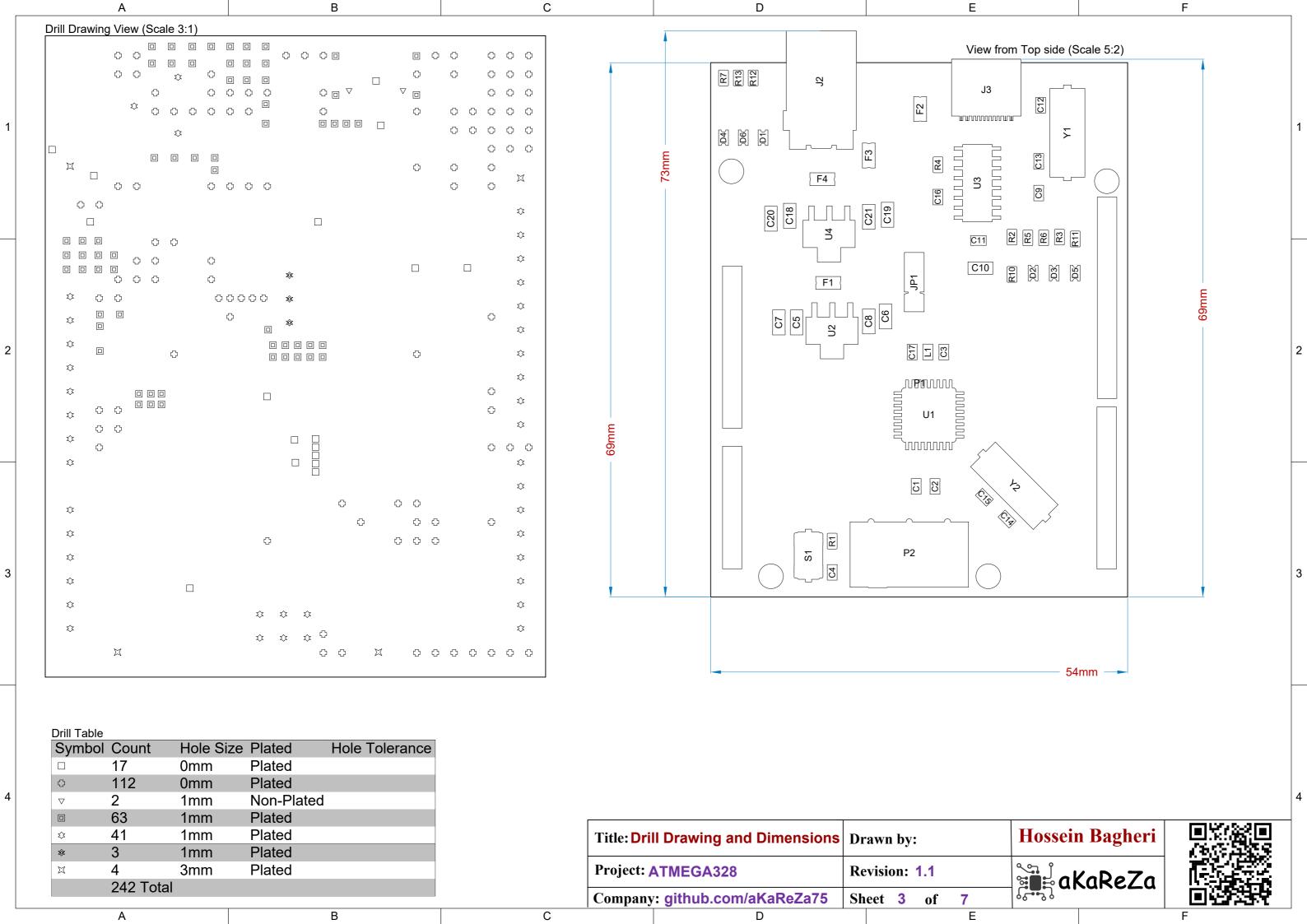


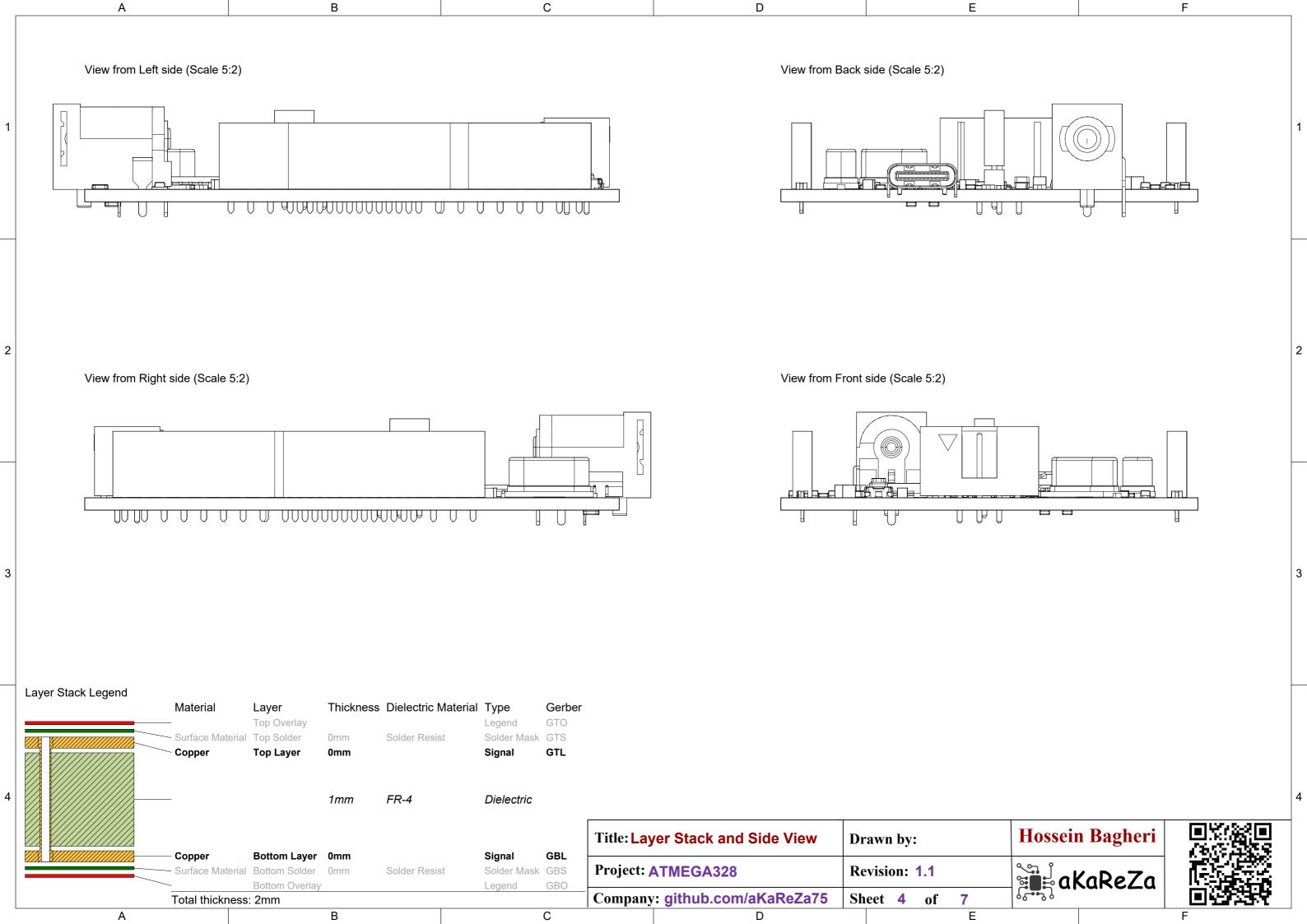


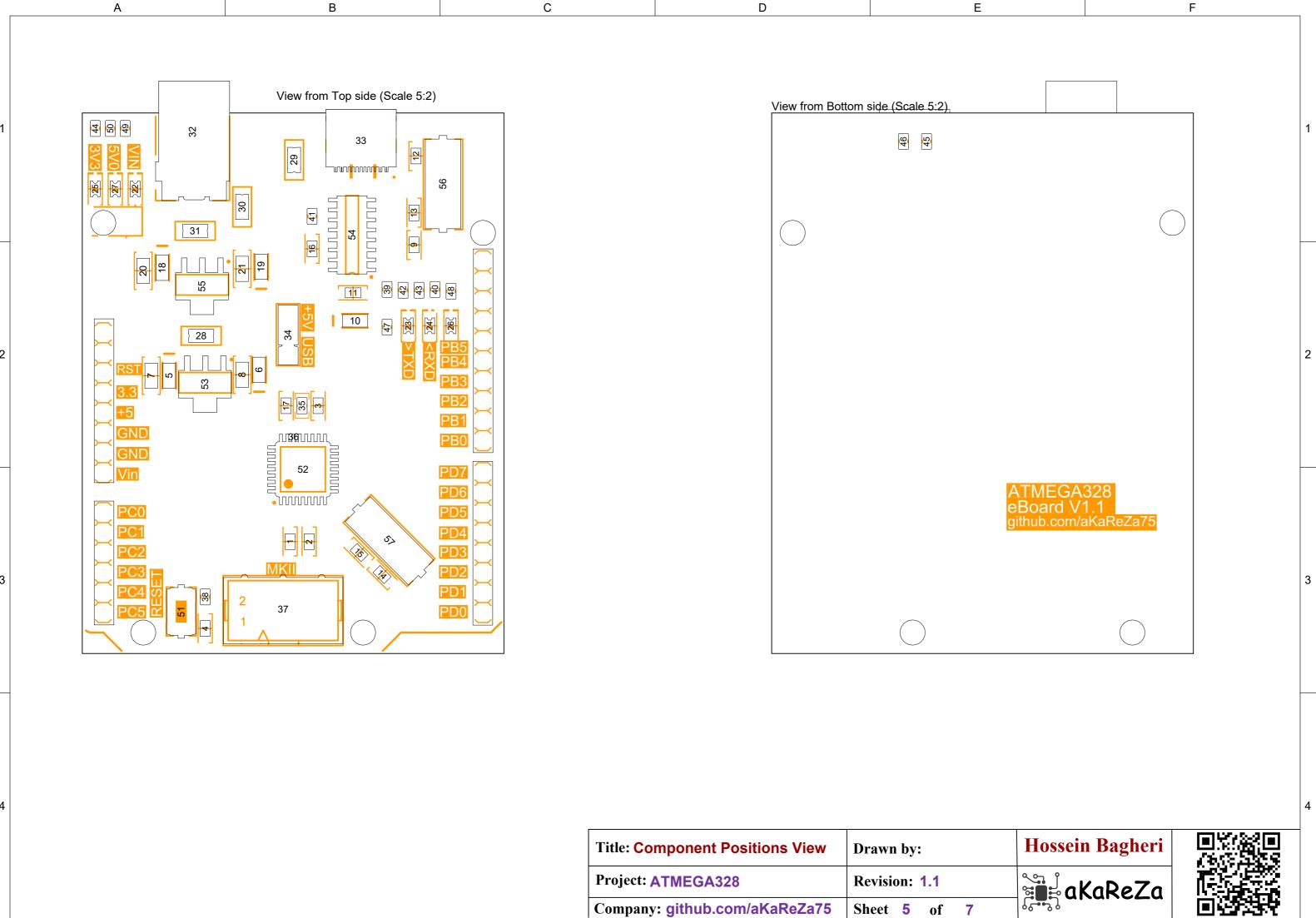
Title: Bottom View	Drawn by:	Hossein Bagheri	□\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Project: ATMEGA328	Revision: 1.1	aKaReZa	
Company: github.com/aKaReZa75	Sheet 2 of 7	66.39	

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ine #	Designator	Comment	Library Ref	Footprint	Package	Rating	Туре	Value	
10 //	C1	100n	Cap_Multi_SMD_100nF 0805	CAP 0805/2012	0805	50V	MultiLayer	100n	
	C2	100n	Cap_Multi_SMD_100nF 0805	CAP 0805/2012	0805	50V	MultiLayer	100n	
	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?	16V	Tantalum	10u	
	C6	22u	Cap_Tantalum	SMT_C_Tantalum_A	Package?	6.3V	Tantalum	22u	
	C7	100n	Cap_Multi_SMD_100nF _1206	CAP 1206/3216	1206	50V	MultiLayer	100n	
	C8	100n	Cap_Multi_SMD_100nF 1206	CAP 1206/3216	1206	50V	MultiLayer	100n	
	C9	10n	Cap_Multi_SMD_0805	CAP 0805/2012	0805	Rating?	MultiLayer	10n	
	C10	10u	Cap_Tantalum	SMT_C_Tantalum_A	Package?	6.3V	Tantalum	10u	
	C11	100n	Cap_Multi_SMD_100nF _0805	CAP 0803/2012	0805	50V	MultiLayer	100n	
2	C12	22p	Cap_Multi_SMD_0805	CAP 0805/2012	0805	Rating?	MultiLayer	22p	
.	C13	22p	Cap_Multi_SMD_0805	CAP 0805/2012	0805	Rating?	MultiLayer	22p	
	C14 C15	22p	Cap_Multi_SMD_0805 Cap Multi SMD 0805	CAP 0805/2012 CAP 0805/2012	0805 0805	Rating?	MultiLayer MultiLayer	22p	
		22p	Cap_Multi_SMD_100nF			Rating?	MultiLayer	22p	
	C16	100n	_0805	CAP 0805/2012	0805	50V	MultiLayer	100n	
,	C17	100n	Cap_Multi_SMD_100nF _0805	CAP 0805/2012	0805	50V	MultiLayer	100n	
l	C18 C19	10u 22u	Cap_Tantalum Cap Tantalum	SMT_C_Tantalum_A SMT_C_Tantalum_A	Package? Package?	16V 6.3V	Tantalum Tantalum	10u 22u	
	C20	100n	Cap_Nulti_SMD_100nF	CAP 1206/3216	1206	50V	MultiLayer	100n	
	C21	100n	Cap_Multi_SMD_100nF 1206	CAP 1206/3216	1206	50V	MultiLayer	100n	
	D1	Yellow	Semi_LED_SMD	LED 0805/2012 YELLOW	Package?	Rating?	LED	Yellow	
3	D2	Red	Semi LED SMD	LED 0805/2012 RED	Package?	Rating?	LED	Red	
	D3	Red	Semi LED SMD	LED 0805/2012 RED	Package?	Rating?	LED	Red	
	D4	Green	Semi_LED_SMD	LED 0805/2012 GREEN	Package?	Rating?	LED	Green	
5	D5	Green	Semi_LED_SMD	LED 0805/2012 GREEN	Package?	Rating?	LED	Green	
7	D6	Red	Semi_LED_SMD	LED 0805/2012 RED	Package?	Rating?	LED	Red	
	F1	0.5A	Other_Elec_Fuse_SMD		1206	Rating?	Fast	0.5A	
	F2	500m	Other_Elec_Fuse_SMD		1206	Rating?	Fast	500m	
	F3	3A	Other_Elec_Fuse_SMD		1206	Rating?	Fast	3A	
	F4 J2	0.5A Female	Other_Elec_Fuse_SMD		1206	Rating?	Fast	0.5A Female	
	J3	12b	Con_Power_Jack Con_USB_C	Power Jack BIG HRO_TYPE-C-31-M-12	Package? SMD	Rating? Rating?	Type? C	12b	
	JP1	0b	SW_Other_JSelector_D	- Extended jumper selector	Dip	Rating?	Selector	0b	
			ip		·				
	L1	100u	Ind_SMD_0805	IND0805	0805	Rating?	SMD	100u	
i	P1	UNO	Con_Arduino_UNO_Co	NECTOR	Package?	Rating?	Type?	UNO	
,	P2	3x2	Con_Prog_MKII_ISP	IDC 2X3	Package?	Rating?	Type?	3x2	
	R1	10K	Res_SMD_0805	RES 0805 (2012X06L)	0805	0.125W	10%	10K	
	R2	1K	Res_SMD_0805	RES 0805 (2012X06L)	0805	0.125W	10%	1K	
	R3	1K	Res_SMD_0805	RES 0805 (2012X06L)	0805	0.125W	10%	1K	
	R4	10K	Res_SMD_0805	RES 0805 (2012X06L)	0805	0.125W	10%	10K	
	R5	680	Res_SMD_0805	RES 0805 (2012X06L)	0805	0.125W	10%	680	
1	R6	680	Res_SMD_0805	RES 0805 (2012X06L)	0805	0.125W	10%	680	
 -	R7	220b	Res_SMD_0805	RES 0805 (2012X06L)	0805	0.125W	10%	220b	
5	R8 R9	4.7K 4.7K	Res_SMD_0805 Res_SMD_0805	RES 0805 (2012X06L) RES 0805 (2012X06L)	0805 0805	0.125W 0.125W	10% 10%	4.7K 4.7K	
	110	7.710	11C3_0WD_0000	NEO 0000 (2012X00E)	0000	0.120	1070	7.710	
					Title: Bill of Ma	aterials	Drawn by	:	Но
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Hossein Bagheri

KakeZa Company: github.com/aKaReZa75 Sheet 6 of 7

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1.8K Res_SMD_0805 RES 0805 (2012X06L) 0805 0.125W 10% 1.8K 1K Res_SMD_0805 RES 0805 (2012X06L) 0805 0.125W 10% 1K 1.8K Res_SMD_0805 RES 0805 (2012X06L) 0805 0.125W 10% 1.8K 680b Res_SMD_0805 RES 0805 (2012X06L) 0805 0.125W 10% 680b PB SW_PushButton_2_SM D SW_PB_SMD_2PIN_S PST_6X3X2 SMD 2b Vertical PB ATmega328P IC_MCU_ATmega328P SMD ATMEGA328 Package? Rating? Type? ATmega328P 3.3V IC_Reg_AMS1117_3.3 SOT223_M SOT223 1A LDO 3.3V CH340G IC_Converter_CH340G SO16_M SO-16 Rating? USB to TTL CH340G 5V IC_Reg_AMS1117_3.3 SOT223_M SOT223 1A LDO 5V 12M Other_Elec_Xtal_SMD Crystal SMD SMD Rating? Quartz 12M
1.8K Res_SMD_0805 RES 0805 (2012X06L) 0805 0.125W 10% 1.8K 1K Res_SMD_0805 RES 0805 (2012X06L) 0805 0.125W 10% 1K 1.8K Res_SMD_0805 RES 0805 (2012X06L) 0805 0.125W 10% 1.8K 680b Res_SMD_0805 RES 0805 (2012X06L) 0805 0.125W 10% 680b PB SW_PushButton_2_SM D SW_PB_SMD_2PIN_S PST_6X3X2 SMD 2b Vertical PB ATmega328P IC_MCU_ATmega328P SMD ATMEGA328 Package? Rating? Type? ATmega328P 3.3V IC_Reg_AMS1117_3.3 SOT223_M SOT223 1A LDO 3.3V CH340G IC_Converter_CH340G SO16_M SO-16 Rating? USB to TTL CH340G 5V IC_Reg_AMS1117_3.3 SOT223_M SOT223 1A LDO 5V 12M Other_Elec_Xtal_SMD Crystal SMD SMD Rating? Quartz 12M
1K Res_SMD_0805 RES 0805 (2012X06L) 0805 0.125W 10% 1K 1.8K Res_SMD_0805 RES 0805 (2012X06L) 0805 0.125W 10% 1.8K 680b Res_SMD_0805 RES 0805 (2012X06L) 0805 0.125W 10% 680b PB SW_PushButton_2_SM_D_SMD_2PIN_S_D_PST_6X3X2 SMD 2b Vertical PB ATmega328P IC_MCU_ATmega328P_SMD ATMEGA328 Package? Rating? Type? ATmega328P 3.3V IC_Reg_AMS1117_3.3 SOT223_M SOT223 1A LDO 3.3V CH340G IC_Converter_CH340G SO16_M SO-16 Rating? USB to TTL CH340G 5V IC_Reg_AMS1117_3.3 SOT223_M SOT223 1A LDO 5V 12M Other_Elec_Xtal_SMD Crystal SMD SMD Rating? Quartz 12M
680b Res_SMD_0805 RES 0805 (2012X06L) 0805 0.125W 10% 680b PB SW_PushButton_2_SM D SW_PB_SMD_2PIN_S PST_6X3X2 SMD 2b Vertical PB ATmega328P IC_MCU_ATmega328P SMD ATMEGA328 Package? Rating? Type? ATmega328P 3.3V IC_Reg_AMS1117_3.3 SOT223_M SOT223 1A LDO 3.3V CH340G IC_Converter_CH340G SO16_M SO-16 Rating? USB to TTL CH340G 5V IC_Reg_AMS1117_3.3 SOT223_M SOT223 1A LDO 5V 12M Other_Elec_Xtal_SMD Crystal SMD SMD Rating? Quartz 12M
PB SW_PushButton_2_SM D SW_PB_SMD_2PIN_S PST_6X3X2 SMD 2b Vertical PB ATmega328P IC_MCU_ATmega328P SMD ATMEGA328 Package? Rating? Type? ATmega328P 3.3V IC_Reg_AMS1117_3.3 SOT223_M SOT223 1A LDO 3.3V CH340G IC_Converter_CH340G SO16_M SO-16 Rating? USB to TTL CH340G 5V IC_Reg_AMS1117_3.3 SOT223_M SOT223 1A LDO 5V 12M Other_Elec_Xtal_SMD Crystal SMD SMD Rating? Quartz 12M
ATmega328P
3.3V IC_Reg_AMS1117_3.3 SOT223_M SOT223 1A LDO 3.3V CH340G IC_Converter_CH340G SO16_M SO-16 Rating? USB to TTL CH340G 5V IC_Reg_AMS1117_3.3 SOT223_M SOT223 1A LDO 5V 12M Other_Elec_Xtal_SMD Crystal SMD SMD Rating? Quartz 12M
3.3V IC_Reg_AMS1117_3.3 SOT223_M SOT223 1A LDO 3.3V CH340G IC_Converter_CH340G SO16_M SO-16 Rating? USB to TTL CH340G 5V IC_Reg_AMS1117_3.3 SOT223_M SOT223 1A LDO 5V 12M Other_Elec_Xtal_SMD Crystal SMD SMD Rating? Quartz 12M
5V IC_Reg_AMS1117_3.3 SOT223_M SOT223 1A LDO 5V 12M Other_Elec_Xtal_SMD Crystal SMD SMD Rating? Quartz 12M
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12M Other Elec Xtal SMID Crystal SMD SMID Rating? Quartz 12M 12M Other Elec Xtal SMID Crystal SMD SMID Rating? Quartz 12M
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Sheet 7 of 7