

# Bill of Materials

Title: Bill of Materials for Project [AVR\_RCS.PrjPcb] (No PCB Document Selected)

Project: AVR RCS

Company: aKaReZa

Variant: None

Revision: 1.0



Inflow	LibRef	Footprint	Value	Rating	Package	Type	Description	Comment	Quantity
inflow?	Cap_Multi_SMD_100nF_0805	CAP 0805/2012	100n	50V	0805	MultiLayer	Bipolar ceramic capacitor SMD	100n	8
inflow?	Cap_Multi_SMD_100nF_1206	CAP 1206/3216	100n	50V	1206	MultiLayer	Bipolar ceramic capacitor SMD	100n	7
inflow?	Cap_Multi_SMD_0805	CAP 0805/2012	22p	Rating?	0805	MultiLayer	Bipolar ceramic capacitor SMD	22p	2
inflow?	Cap_Multi_SMD_0805	CAP 0805/2012	33p	Rating?	0805	MultiLayer	Bipolar ceramic capacitor SMD	33p	4
inflow?	Cap_Multi_SMD_0805	CAP 0805/2012	68p	Rating?	0805	MultiLayer	Bipolar ceramic capacitor SMD	68p	2
inflow?	Cap_Multi_SMD_1206	CAP 1206/3216	10p	50V	1206	MultiLayer	Bipolar ceramic capacitor SMD	10p	1
inflow?	Cap_Multi_SMD_1206	CAP 1206/3216	33p	50V	1206	MultiLayer	Bipolar ceramic capacitor SMD	33p	1
inflow?	Cap_Tantalum	SMT_C_Tantalum_A	1u	6.3V	SMD-A	Tantalum	Tantalum Capacitor,TAJ Series-SMD	1u	2
inflow?	Cap_Tantalum	SMT_C_Tantalum_A	10u	6.3v	Package?	Tantalum	Tantalum Capacitor,TAJ Series-SMD	10u	3
inflow?	Cap_Tantalum	SMT_C_Tantalum_B	10u	25v	Package?	Tantalum	Tantalum Capacitor,TAJ Series-SMD	10u	2
inflow?	Cap_Tantalum	SMT_C_Tantalum_A	22u	6.3v	Package?	Tantalum	Tantalum Capacitor,TAJ Series-SMD	22u	1
inflow?	Cap_Tantalum	SMT_C_Tantalum_B	47u	6.3v	Package?	Tantalum	Tantalum Capacitor,TAJ Series-SMD	47u	2
inflow?	Cap_Tantalum	SMT_C_Tantalum_C	100u	6.3V	SMD-C	Tantalum	Tantalum Capacitor,TAJ Series-SMD	100u	1
7152	Con_MPH_3x1_V_THT_2.54	HDR_THT_3M_2.54mm	3	Rating?	Package?	Type?	Header, single row, 3 pin	3	1
inflow?	Con_Power_2	Phoenix_2PIN_RA_P5.08mm	2' Pin	Rating?	Package?	Type?	Power Connector 2' Pin	2' Pin	2
inflow?	Con_Power_3	Phoenix_3PIN_RA_P5.08mm	Value?	3b	Dip	Type?	Power Connector 3' Pin	Value?	1
6127	Con_Power_Jack	Power Jack BIG	Female	Rating?	Package?	Type?	Power Jack	Female	1
inflow?	Con_Prog_MKII_ISP	IDC_2X3	3x2	Rating?	Package?	Type?	6 Pin Standard ISP Header For MKII	3x2	1
inflow?	Con_RF_U.FL	IPEX-3x3mm	U.FL	Rating?	SMD	RF	U.FL	U.FL	1
inflow?	Con_Socket_SimCard_1	GCT_SIM8051_Plastik	6' Pin	Rating?	SMD	Nano	Nano SimCard Holder 6P	6' Pin	1
1506	IC_Driver_ULN2003	SO16_M	ULN2003	Rating?	SO-16	Driver	Seven darlington array drivers	ULN2003	1
inflow?	IC_MCU_ATmega328P_SMD	ATMEGA328P	ATmega328P	Rating?	Package?	Type?	8-Bit AVR Microcontroller with 32K	ATmega328P	1
5217	IC_Reg_AMS1117_3.3	SOT223_M	3.3V	1A	SOT223	LDO	1'A Positive voltage regulator	3.3V	1
inflow?	IC_Reg_TP54302	TP54302	Value?	S	SOT-23-6	Switching	3'A Synchronous Step-Down Converter	Value?	2
inflow?	Ind_SMD	L_7	10u	3.8A	Package?	Type?	Inductor	10u	2
inflow?	ModSen_AHT20	AHT20	AHT20	Rating?	Dip	Air T&H	Air Temperature and Humidity Sensor	AHT20	1
inflow?	ModSen_Com_M66	m66	M66	Rating?	Dip	GSM-GPRS	Quectel GSM/GPRS Module	M66	1
8251	ModSen_Com_RXB22_433	RF_ETRXB	RXB22	433M	Dip	Learning	JMR RXB22 433MHz ASK	RXB22	1
8116	ModSen_LCD_CH_16x2_Box	BOX-HDR-2x6-2.54mm-S	16x2	Rating?	Dip	Alphanumeric	Alphanumeric LCD character	16x2	1
inflow?	Other_Elec_Fuse_SMD	1206_F	0.5A	Rating?	1206	Fast	Short circiut protection	0.5A	1
inflow?	Other_Elec_Fuse_SMD	1206_F	1A	Rating?	1206	Fast	Short circiut protection	1A	1
inflow?	Other_Elec_Fuse_SMD	1206_F	2A	Rating?	1206	Fast	Short circiut protection	2A	1
inflow?	Other_Elec_Fuse_SMD	1206_F	3A	Rating?	1206	Fast	Short circiut protection	3A	1
inflow?	Other_Elec_Fuse_THT	FUSE_Blx_20x5	5A	Rating?	Package?	Type?	Short circiut protection	5A	1
inflow?	Other_Elec_Xtal_SMD	Crystal SMD	12M	Rating?	SMD	Quartz	Crystal Oscillator	12M	1
8243	Other_Mech_Screw	SCREW-M3	M3	Rating?	Package?	Screw	Board Screw With Spacer	M3	3
inflow?	Res_Multi	Multi turn 01	10K	Rating?	Package?	Type?	Multi Turn	10K	1
inflow?	Res_SMD_0805	RES 0805 (2012X06L)	1K	0.125W	0805	10%	Resistor	1K	3
inflow?	Res_SMD_0805	RES 0805 (2012X06L)	1.8K	0.125W	0805	10%	Resistor	1.8K	5
inflow?	Res_SMD_0805	RES 0805 (2012X06L)	4.7K	0.125W	0805	10%	Resistor	4.7K	4
inflow?	Res_SMD_0805	RES 0805 (2012X06L)	5.6K	0.125W	0805	10%	Resistor	5.6K	1
inflow?	Res_SMD_0805	RES 0805 (2012X06L)	10K	0.125W	0805	10%	Resistor	10K	2
inflow?	Res_SMD_0805	RES 0805 (2012X06L)	13.7K	0.125W	0805	1%	Resistor	13.7K	1
inflow?	Res_SMD_0805	RES 0805 (2012X06L)	17.8K	0.125W	0805	1%	Resistor	17.8K	1
inflow?	Res_SMD_0805	RES 0805 (2012X06L)	22b	0.125W	0805	10%	Resistor	22b	3
inflow?	Res_SMD_0805	RES 0805 (2012X06L)	47K	0.125W	0805	10%	Resistor	47K	2
inflow?	Res_SMD_0805	RES 0805 (2012X06L)	49.9b	0.125W	0805	1%	Resistor	49.9b	2
inflow?	Res_SMD_0805	RES 0805 (2012X06L)	100b	0.125W	0805	10%	Resistor	100b	2
inflow?	Res_SMD_0805	RES 0805 (2012X06L)	100K	0.125W	0805	1%	Resistor	100K	2
inflow?	Res_SMD_0805	RES 0805 (2012X06L)	220b	0.125W	0805	10%	Resistor	220b	1
inflow?	Res_SMD_0805	RES 0805 (2012X06L)	680b	0.125W	0805	10%	Resistor	680b	1
inflow?	Semi_BJT_BC817	SOT23_N	NPN	Rating?	Package?	Type?	NPN General purpose Transistor	NPN	2
inflow?	Semi_Diod_Sch_1N5819_SMD	430X270D	1N5819	Rating?	SMA	Schottky	Schottky Rectifiers	1N5819	3
inflow?	Semi_Diod_TV5_SMF05	SC70-5_N	SMF-05	Rating?	SC70-5	TVS	TVS Diode Array	SMF-05	1
inflow?	Semi_Diod_Zener_SMD	SOD80_LL-34	5.1V	0.5W	SOD-80	Zener	Zener Diode	5.1V	1
inflow?	Semi_LED_SMD	LED 0805/2012 BLUE	Blue	Rating?	Package?	LED	LED	Blue	2
inflow?	Semi_LED_SMD	LED 0805/2012 GREEN	Green	Rating?	Package?	LED	LED	Green	4
inflow?	Semi_LED_SMD	LED 0805/2012 RED	Red	Rating?	Package?	LED	LED	Red	1
inflow?	Semi_LED_SMD	LED 0805/2012 YELLOW	Yellow	Rating?	Package?	LED	LED	Yellow	1
8260	SW_PushButton_2_SMD	SW_PB_SMD_2PIN_SPST_6X	PB	2b	SMD	Vertical	SMT Tactile Switch	PB	2
inflow?	SW_Relay_SPDT	Relay 18.85x15.35x15.70	12V	Rating?	Dip	SPDT	SPDT Relay	12V	3

115

Approved

Notes

3/10/2025 6:21 PM

github.com/aKaReZa75