



Title		
Size	A3	Number
Date:	2010-3-6	Sheet of
File:	H:\super 51AVR V2.0\del_board_5_29.Sch	Drawn By:

Comment	Description	Designator	Footprint	LibRef	Quantity
10UF	Polarized Capacitor (Assy)	C1, C17, C18, C25	CR2012-0805		4
104	Capacitor, Resistor	C6, C7, C9, C10, C11, C12, C13, C21, C31, C32, C33, C34, R15, R16, R17, R18	new_0603	Cap, CAPF, Res2	16
33P	Capacitor	C14, C15, C20, C23, C24, C26, C27	new_0603	Cap	7
LED2	Typical RED, GREEN, YELLOW, AMBER GaAs LED	D2, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23, D24, D25, D26, D27, D28, D29, D30, D31, D32, D33, D34, D35, D36, D37, D38, D39	CC2012-0805	LED2	33
DB9	RS232_con	DB9	DSUB1.985-2H9	DB9F	1
Fuse 1	Fuse	F1	CC4532-1812	Fuse 1	1
Relay_con	Header, 2-Pin	JP1	etc_connect	Header 2	1
Power_in	Header, 3-Pin	JP2	DC_con	MHDR1X3	1
Header 5	Header, 5-Pin	JP3	HDR1X5	Header 5	1
IR_control	Header, 3-Pin	JP5	HDR1X3	Header 3	1
Header 7X2	Header, 7-Pin, Dual row	JP6	HDR2X7	Header 7X2	1
USB	Header, 4-Pin, Right Angle	JP7	USB_CON	Header 4H	1
DS18B20	Header, 3-Pin	JP9	HDR1X3	DS18B20	1
SP2	Header, 7-Pin	JP10	SP2	Header 7	1
LCM_OYP	Header, 16-Pin, Dual row	JP11	HDR2X16	Header 16X2	1
LCD 1602	Header, 16-Pin, Right Angle	JP12	HDR1X16	Header 16H	1
LCD12864	Header, 20-Pin	JP13	HDR1X20	Header 20	1
Z4L01无线模块	Header, 8-Pin	JP14	HDR2X4	Z4L01 MODE	1
Header 8	Header, 8-Pin	JP15, JP16, JP17, JP18, JP19	HDR1X8	Header 8	5
Header 3X2	Header, 3-Pin, Dual row	JP22, JP23	HDR2X3	Header 3X2	2
Header 3	Header, 3-Pin	JP25, JP26	HDR1X3	Header 3	2
Header 9	Header, 9-Pin	JP27	HDR1X9	Header 9	1
Relay-SPDT	Single-Pole Dual-Throw Relay	K1	Relay_3A	Relay-SPDT	1
	Single-Pole, Single-Throw Switch	K2, K3, K4, K5, K6, K7, K10, K11	HDR1X2	SW-SPST	8
7	Single-Pole, Single-Throw Switch	K12	HDR1X2	SW-SPST	1
SW-PB	Switch	key 1, key 2, key 3, key 4, key 5, key 6, key 7, key 8, key 9, key 10, key 11, key 12, key 13, key 14, key 15, key 16	KEY	SW-PB	16
AVR_RESET	Switch	key17	KEY	SW-PB	1
51_Reset	Switch	key18	KEY	SW-PB	1
four_LEDDisplay		LED1, LED2	FOUR_LEDDIP	four_LEDDisplay	2
Speaker	Loudspeaker	LS1	bead	Speaker	1
8050	NPN General Purpose Amplifier	Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9, Q10	SOT23-3	2N3904	10
222	Resistor	R1	new_0603	Res2	1
102	Resistor	R2, R3, R4, R5, R6, R12, R19, R20, R21, R23, R25, R27, R29, R31, R33, R35, R36, R37, R38, R39, R41, R44, R50, R51, R52, R53, R54, R55, R56, R57, R60, R61, R62, R63, R64, R65, R66, R67, R69, R70, R71, R72, R73, R74, R75, R76, R84, R85, R86, R87, R88, R89, R90, R91, R109, R124, R125	new_0603	Res2	57
68R	Resistor	R7, R8	new_0603	Res2	2
331	Resistor	R9, R10, R34, R42, R45, R46, R47, R48, R49, R123	new_0603	Res2	10
103	Resistor	R11, R13, R14, R59, R68, R96, R111, R112, R113, R114	new_0603	Res2	10
Res Adj2	Variable Resistor	R104	RES_adj	Res Adj2	1
Component_1		SD_card	SDCARD-MINI	Component_1	1
SW_3		SW1	SW	SW_3	1
ATmega8L-8AI	8-Bit AVR Microcontroller with 8K Bytes of In-System Programmable Flash Memory	U1	32A	ATmega8L-8AI	1
1117-6	Voltage Regulator	U2	DSO-G3	Volt Reg	1
1117-3.3	Voltage Regulator	U3	DSO-G3	Volt Reg	1
AT2402		U4	SO-G8	AT2408	1
DS1302		U5	NSO8	DS1302	1
ULN2003D	Seven Darlington Array	U6	NSO16	ULN2003D	1
ATMEGA8515/S52, DIP40	Atmel Microcontroller - Library created by carel. www.mpfreezone.com	U7	DIP40 - duplicate	ATMEGA8515_DIP 40	1
PCF8591		U9	WSO16	Component_1	1
74AC573SC	Octal Latch with 3-State Output	U10	M20D	74AC573SC	1
MAX232ACSE	+5V Powered, Multi-Channel RS-232 Driver/Receiver	U11	NSO16	MAX232ACSE	1
12M	Crystal Oscillator	Y1	Crystal Oscillator	XTAL	1
32.768	Crystal Oscillator	Y2	crystal_ds1302	XTAL	1
11.0592M	Crystal Oscillator	Y3	Crystal Oscillator	XTAL	1