



Comment	Description	Designator	Footprint	LibRef	Quantity
	SE PUSHBUTTON	B1, B2, B3, B4	BTN4A	SW PUSHBUTTON	4
RESET	SE PUSHBUTTON	B5	BTN4A	SW PUSHBUTTON	1
47uF	Polarized Capacitor (Radial)	C1, C2	INFRA	Cap Pol1	2
100nF	Capacitor	C3, C4, C6, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22	0805B	Cap	16
22pF	Capacitor	C5, C7, C8, C9	0805B	CAP	4
DC-10B		CN1	KLD-0202	PJ202A	1
USB-B	USB-B	CN2, CN5	USB-B1	USB-B	2
Connector to LCD		CN3	AM240*320B_1	ColorLCD_module	1
CON_SD	Connector	CN4	SD/MMC	CON_SD	1
DB9-male		CN6	DB9/M	DB9	1
JTAG		CN7	IDC20S	20PIN1	1
DIODE	Diode	D1	DIODE-0.4	DIODE	1
CON40S	Connector	J1, J2	SIP40	CON40S	2
CON10	Connector	J3	SIP10	CON10	1
		JP1	SIP3	Jumper3	1
	Typical RED, GREEN, YELLOW, AMBER	LD1, LD2, LD3, LD4, LD5, LD6, LD7, LD8	0805D	LED2	8
red	Typical RED, GREEN, YELLOW, AMBER	LD9	0805D	LED2	1
Buzzer	Loudspeaker	LS1	BUZZ1	Speaker	1
300	Resistor	R1, R2, R5, R30, R36, R39, R40, R41, R42, R43, R45	0805B	res1	11
22	Resistor	R3, R4, R9, R12, R16	0805B	res1	5
1.5K	Resistor	R6, R10, R21	0805B	res1	3
10K	Resistor	R7, R8, R11, R13, R17, R19, R20, R22, R26, R27, R28, R29, R31, R32, R33, R34, R35, R38, R44	0805B	res1	19
NC	Resistor	R14, R15, R18, R23, R24, R25	0805B	res1	6
POT2	Potentiometer	R37	VR3	POT2	1
8550	PNP Bipolar Transistor	T1	SOT-23	PNP	1
3V3		TP1	TP	TP	1
5V		TP2	TP	TP	1
Ground		TP3	TP	TP	1
AMS1117		U1	SOT-223	VOLTREG1	1
STM32F103RBT6	STM32 ARM- based 32-bit MCU with 128 Kbytes Flash, 64-pin LQFP, Industrial Temperature	U2	LQFP64_N	STM32F103RBT6	1
IC_FT2232D	Dual USB UART/FIFO	U3	LQFP-48	IC_FT2232D	1
M93C46MN1	1Kb (x8/x16) Serial Microwire Bus EEPROM	U4	SOP8_N	M93C46MN1	1
ST3232ECTR	3.3V/5V Dual RS232 Transceiver w/ Int.	U5	SO-16	ST3232	1
M24C02MN6	2Kbit Serial I <sup>2</sup> C Bus EEPROM	U6	SOP8_N	M24C02MN6	1
M74HC573M1R	Octal D-Type Latch with 3-State Output Non-	U7	SO20_N	M74HC573M1R	1
8MHz	Crystal	X1	XTAL	CRYSTAL	1
6MHz	Crystal	X2	XTAL	CRYSTAL	1