

Bill Of Materials
P/N: 103-06201-07

ECR#: 0021

Last Modification Date: 2010.01.22

Category	Descriptions	Qty/Board	Designator/PCB Location	Footprint
Capacitor	0.1uF/100V	1	C1	[CAXIAL400]
Capacitor	1pF	1	C3	[0805]
Capacitor	0.1u	11	C7, C16, C17, C22, C27, C29, C30, C31, C33, C34, C35	[0805]
Capacitor	10uF	6	C8, C9, C12, C13, C20, C25	[0805]
Capacitor	100uF/16V	5	C10, C14, C15, C18, C32	[CAPPR_025X060]
Capacitor	470uF/16V	1	C11	[CAPPR_035X080]
Capacitor	680pF	1	C23	[0805]
Capacitor	22pF	2	C21, C24	[0805]
Diode network	BAV99 (mark: A7)	1	DN1	[SOT23]
Diode, zener	3.0V	1	D1	[0603/0805LED]
Diode	1N4001	1	D3	[DO41]
Jumper	15mm	1	D4	[DO41]
Diode	1N5819	1	D7	[DO_SMB]
Connector	Header, 2 X 5pin, 0.1"	1	J4	[HD1002X5]
Connector	POWERJACK-3.5	1	J2	[POWERJACK-3.5]
Connector	RCA jack	1	J6	[RCA-114]
Jumper	0.1"	1	JP1	[HD1002X1]
LCD Module	TG12864D-04	1	LCD1	[TG12864D-04]
Inductor	100uH	3	L1, L3, L4	[1206/0805]
Inductor	1mH/500mA	1	L2	[CAPPR_025X060]
Transistor	8550 (mark: 2TY)	1	Q1	[SOT23]
Transistor	MMBT3904 (mark: 1AM)	1	Q2	[SOT23]
Resistor	249	2	R1, R11	[0805]
Resistor	470	7	R2, R3, R8, R12, R16, R18, R28	[0805]
Resistor	150	1	R4	[0805]
Resistor	10K	3	R5, R22, R29	[0805]
Resistor	499	1	R6	[0805]
Resistor	910K	1	R7	[0805]
Resistor	100	2	R24, R9	[0805]
Resistor	100K	3	R10, R14, R21	[0805]
Resistor	0R	3	R13, R23, R25	[0805]
Resistor	2K	2	R17, R30	[0805]
Resistor	1K	2	R20, R31	[0805]
Resistor	5.6K (depending on LCD used)	1	R27	[0805]
Switch	1P3T Switch, SS-13D11T	3	SW1, SW2, SW3	[SW_1P3T_13D11]
Switch	Tact switch, 6 x 6 x 8, 170gf	9	SW4, SW5, SW6, SW7, SW8, SW9, SW10, SW11,	[SW_TACT_4X6]
IC	NE5532	1	U1	[SOP127X_0600-8]
IC	TL084	1	U2	[SOP127X_0600-14]
IC	LM7805C/TO220	1	U3	[TO220]
IC	ATmega64-16AU	1	U4	[QFP080-64]
IC	TLC5510I	1	U5	[SOP127X_0800-24]
Crystal	20MHZ	1	Y1	[XTAL_HCM49]
Connector	1 X 20Pin, 2mm	1	ASSY1	
Connector	1 X 2Pin, 2mm	2	ASSY2	
PCB	109-06200-00A	1	PCB	
Screw	Pan head, M3 x 8	1	ASSY3	
Nut	M3	1	ASSY4	
Clip	Red, small size	1	ASSY5	
Clip	Black, small size	1	ASSY6	
Wire	Single core, shielded, AWG24, 400mm length (1185 or similar)	1	ASSY7	
Plug	RCA	1	ASSY8	
Wire	AWG24, stranded, 100mm len, red	1	ASSY9	
Wire	AWG24, stranded, 100mm len, black	1	ASSY10	
Heat shrink tube	Φ2mm, 40mm	2	ASSY11	
Heat shrink tube	Φ4mm, 40mm	1	ASSY12	
Heat sink	KF-032_16	1	ASSY13	
Panel	702-06201, front and back	1	ASSY14	
Standoff	M3 x 6 + 6	4	ASSY16	
Standoff	M3 x 15	4	ASSY17	
Screw	Screw, pan head, M3 x 6	8	ASSY18	
Switch Cap	KM1-A06	9	ASSY19	
Firmware	113-06201-080 (or later)	1	FW1	
Firmware	113-06202-020 (or later)	1	FW2	
Document	Schematic	1	DOC1	
Document	Assembly Notes	1	DOC2	
Document	Operating Instructions	1	DOC3	

- Notes:
1. Do not install components not listed in this BOM even they are present in schematic
 2. Only use component values as stated in this BOM.