

Bill Of Materials - 062 Kit
P/N: 103-06203-01

ECR#:

Last Modification Date: 2010.04.03

Category	Type/Value	Qty/Board	Designator/PCB Location	Footprint
Capacitor	0.1uF/100V	1	C1	[1206/0805]
Capacitor	1pF	1	C3	[0805]
Capacitor	0.1u	12	C7, C16, C17, C22, C27, C29, C30, C31, C33, C34, C35,	[0805]
Capacitor	100uF	5	C10, C14, C15, C18, C32	[CAPPR_025X060]
Capacitor	470uF/16V	1	C11	[CAPPR_035X080]
Capacitor	10uF	2	C8, C9, C12, C13, C20, C25	[0805]
Capacitor	22pF	2	C21, C24	[0805]
Capacitor	680pF	2	C23, C36	[0805]
Diode	BAV199	1	DN1	[SOT23]
Zener	3.0V	1	D1	[0603/0805LED]
Diode	1N4007G	1	D3	[DO41]
Diode	1N5819	1	D7	[DO_SMB]
Regulator	CJ431	1	D8	[SOT23]
Jumper	(Use by a piece of wire)	1	JP1	[HD1002X1]
Connector	POWERJACK-3.5	1	J2	[POWERJACK-3.5]
Header	HEADER 5X2, 0.1"	1	J4	[HD1002X5A]
Connector	RCA JACK	1	J6	[RCA-114]
LCD	TG12864D-04	1	LCD1	[TG12864D-04]
Inductor	100uH	3	L1, L3, L4	[1206/0805]
Inductor	1mH/0.5A, Φ6 X 7	1	L2	[CAPPR_025X060]
Trimmer	10K, Bourns 3314	1	POT1	[TRIMMER_Bourns_3314J]
Transistor	8550	1	Q1	[SOT23]
Transistor	MMBT3904	1	Q2	[SOT23]
Resistor	249 1%	2	R1, R11	[0805]
Resistor	475 1%	6	R2, R3, R8, R12, R16, R18	[0805]
Resistor	150 1%	1	R4	[0805]
Resistor	10K	6	R5, R22, R25, R50, R51, R52	[0805]
Resistor	499 1%	1	R6	[0805]
Resistor	909K 1%	1	R7	[0805]
Resistor	100 1%	2	R9, R24	[0805]
Resistor	100K 1%	1	R10, R14, R21	[0805]
Resistor	0R	6	R13, R23, R36, R37, R48, R49	[0805]
Resistor	2K	2	R17, R30	[0805]
Resistor	1K	6	R19, R20, R31, R55, R56, R57	[0805]
Resistor	2M	2	R53, R54	[0805]
Switch	SW_2P3T, SS-23D07	3	SW1, SW2, SW3	[SW_2P3T]
Switch	Tact, 6X6X9mm	9	SW4, SW5, SW6, SW7, SW8, SW9, SW10, SW11, SW12	[SW_TACT_4X6]
IC	NE5532	1	U1	[SOP127X_0600-8]
IC	TL084/SO	1	U2	[SOP127X_0600-14]
IC	LM7805C/TO220	1	U3	[TO220]
IC	ATmega64AU	1	U4	[QFP080-64]
IC	TLC5510/SO	1	U5	[SOP127X_0800-24]
Crystal	20MHZ	1	Y1	[XTAL_HCM49]
PCB	109-06200-00C	1	PCB1	
Connector	1 X 20Pin, 2mm	1	ASSY1	
Connector	1 X 2Pin, 2mm	2	ASSY2	
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	702-06202, 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	113-06208-020 (or later)	1	FW1	
Document	Schematic	1	DOC1	
Document	Quick Reference	1	DOC2	

Notes:

1. Only install components listed in this BOM. Ignore those presented in schematic and PCB but not included in this list.
2. Use component values as specified in this BOM only. These values may be different from those shown in schematic.