

# DwAVRF: ATmega8 Evaluation Board

## Component Placement

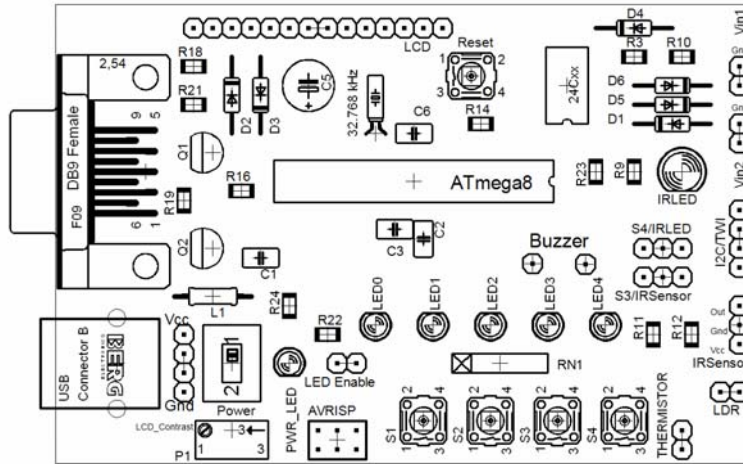


Figure 1: Top View of the DwAVRF Board

<u>Resistors</u>		<u>Transistors</u>	
R3, R10	10KOhm	Q1	BC558
R11, R12, R14, R16, R18, R19, R21	4.7KOhm	Q2	BC547
R9, R23	100 Ohm	<u>Misc.</u>	
R22, R24	470 Ohm	DB9, Right angle connector	0.1 inch spacing Jumper pins
RN1	4 x 470 Ohm	USB Connector 'B' type	3 mm diameter LDR
P1	10KOhm, 10-turn Trim Pot	IR Sensor: TV remote receiver	
<u>Diodes</u>		Thermistor: 1KOhm NTC	
LED0-LED4, PWR_LED	3-mm red LED	L1: 100uH inductor.	
D1-D6	1N4148	Buzzer	
IR LED	5-mm Infra-red LED	Power switch, S1-S4: switches	
<u>ICs</u>		<u>Capacitors</u>	
IC1	ATMega8L	C1, C5	10 uF/16V, electrolytic
IC2	AT24C64 or AT24C128 or AT24C256 or AT24C512	C2, C3, C6	0.1uF, ceramic