

BLD1-P PCB Parts List

PIR Section

PC Board		Component recognized, rated 94V-0
Terminal Strip	TS1	7-Position Pin Strip; Dinkle #B036-0507
Header	P4	Autosplice #HS-00SA-1
Integrated Circuit	U1	Type LM2931A; 5V Ref
Integrated Circuit	U3	Type 324; Quad Op-Amp
Integrated Circuit	U4	Microchip #PIC16C715 CMOS Microcontroller
Transistor	Q1	BCW68, Silicon, PNP
Transistor	Q7	Type J176 or J177 J-FET
LED	LED1	Green; Kingbright #W7104MGC
LED	LED2	Yellow; Kingbright #W7104SYC
LED	LED3	Blue; Kingbright #W7104QBC, or #W7104PBC
Detector	DET1	Nippon #DSI-2
Relay	U2	SPST, Solid State Optonics #M271-C1
MOV	RV1	18VDC, 0.9J
MOV	RV2	31VDC, 1.5J
Capacitor	C1	Ceramic Chip, 0.1 μ F, 50V
Capacitor	C2, 5, 7	Aluminum, 100 μ F, 10V
Capacitor	C3, 15, 16, 23	Ceramic Chip, 27pF, 50V
Capacitor	C4	Ceramic Chip, 100pF, 50V
Capacitor	C6, 11, 13, 17, 21	Aluminum, 47 μ F, 6.3V
Capacitor	C8, 10, 27, 32	Ceramic Chip, 0.01 μ F, 50V
Capacitor	C9	Aluminum, 1 μ F, 50V
Capacitor	C12, 14	Ceramic Chip, 0.027 μ F, 50V
Capacitor	C18	Ceramic Chip, 4700pF, 50V
Capacitor	C19	Aluminum, 33 μ F, 10V
Capacitor	C20	Ceramic Chip, 0.22 μ F, 50V
Capacitor	C22	Ceramic Chip, 3300pF, 50V
Capacitor	C34	Tantalum, 15 μ F, 6.3V
Capacitor	C38	Ceramic Chip, 0.1 μ F, 25V
Resistor	R1, 5, 8, 16, 19, 20, 29, 42, 54	Thick film, 1/10W, 1K, 5%
Resistor	R2	Thick film, 1/10W, 10.0K, 1%
Resistor	R3, 9	Thick film, 1/10W, 1M, 5%
Resistor	R4, 38, 51	Thick film, 1/10W, 100K, 5%
Resistor	R6, 10, 27	Thick film, 1/10W, 560K, 5%
Resistor	R7, 11, 12, 14, 15, 55, 60	Thick film, 1/10W, 10K, 5%
Resistor	R13	Thick film, 1/10W, 470K, 5%
Resistor	R22	Thick film, 1/10W, 270K, 5%
Resistor	R23	Thick film, 1/10W, 18K, 5%