

SkeeterSat bill of materials		
Quant per unit		
1	B1	9 volt alkaline battery
1	BH1	Battery holder PC mount 9 V battery holder (DigiKey BC9VPC-ND)
1	C1	10 uF radial lead electrolytic, 0.1" spacing
2	C2, C5	.047 uF, 0.2" lead spacing, radial
4	C3, C4, C6, C7	.1 uF monolithic ceramic, 0.2" lead spacing, radial
1	D1	1N4001 DO-41 rectifier
1	D2	water clear red T-1 LED 0.1 lead spacing, (DigiKey 67-1065-ND)
1	J1	.1" Male Header, 2 pin square post (DigiKey WM4200-ND, mates with WM-2011-ND)
1	LS1A	CdS Sensor, 1 M dark, Photonic Detectors (DigiKey PDV-P5003-ND)
1	LS1B	CdS Sensor, 2.5 M dark, Photonic Detectors (DigiKey PDV-P8105-ND)
1	Q1	2N3904 TO-92
1	Q3	MPF102 TO-92
1	R1	100K 1/4 W 5%
1	R2	to be determined later
1	R3	470 1/4 W 5%
2	R4, R11	27K 1/4 W 5%
1	R5	22K 1/4 W 5%
1	R7	2.2K 1/4 W 5%
1	R8	2.7K 1/4 W 5%
1	R10	6.8K 1/4 W 5%
1	R12	1M 1/4 W 5%
1	R13	10K 1/4 W 5%
1	R14	220 1/4 W 5%
1	SPKR1	Speaker - Soberton GT-111P (DigiKey 422-1020-ND)
1	TM1A	Thermistor, 10K ambient, Keystone RL0503-5820-97-MS (DigiKey KC003T-ND)
1	TM1B	Thermistor, 100K ambient, Keystone RL0503-55.36K-122-MS (DigiKey KC006T-ND)
1	U1	TLC556CN dual CMOS timer (DigiKey 296-1859-5-ND)
4	FEET	0.40" diameter x 0.20" H feet, black (DigiKey SJ5003-0-ND)
1	PCB	Printed circuit Board
3	2-56 x 1/4 machine screw	DigiKey H330-ND (Phillips) or H130-ND (slotted)
3	2-56 hex nut	DigiKey H212-ND
	Lead bender	Mouser 5166-801