

Bill of Materials

Qty	Ref	Description
Resistors		
4	R8-R11	22R, 1%, 0.125W, 1206 Package
5	R3-R7	330R, 1%, 0.125W, 1206 Package
1	R2	10K, 1%, 0.125W, 1206 Package
1	R1	33K, 1%, 0.125W, 1206 Package
Capacitors		
2	C3,C9	100nF, 50V, X7R Ceramic, 1206 Package
5	C4-C8	2.2uF, 16V, Tantalum, 3216 Package
1	C1	47uF, 16V, Low ESR, Tantalum, 7343 Package
1	C2	150uF, 6.3V, Low ESR, Tantalum, 7343 Package
Semiconductors		
1	D1	1B01S 1A Bridge Rectifier (Surface Mount)
3	D3,D4,D6	HP HSMS-T400 Red LED (3528 Package)
1	D5	HP HSMY-T400 Yellow LED (3528 Package)
1	D2	HP HSMG-T400 Green LED (3528 Package)
1	IC1	MC7805CD2T 5V 1.5A Regulator (D ² PAK Package)
1	IC2	SX28AC/SO (SOIC Package)
1	IR1	HP HSDL1001 IR Transceiver
1	IC3	HIN232CB Dual RS232 Transceiver (SOIC Package)
Other		
1	X1	50Mhz Resonator (Surface Mount)
1	SW1	4mm SPNO Push Button (Surface Mount)
1	CN3	9 pin Female D Connector, Right angle PCB mount
1	CN1	2.5mm PCB mount DC Socket
1	CN2	4 pin SIL Header
1	CN4	2x5 pin DIL Header