

10 LED POV DISPLAY COMPONENTS

COM-0020

COMPONENT LIST FOR POV DISPLAY BASE PCB

Qty	Value	Description
3	0.001uF	Ceramic disc capacitor, 2.5mm spacing
2	0.1uF	Ceramic disc capacitor, 2.5mm spacing
2	100uF	Electrolytic capacitor, 16V, 2.5mm spacing
1	10 ohm	1/4 watt resistor
5	4.7K ohm	1/4 watt resistor
1	IRFZ46	N-Channel Power MOSFET
2	2N3904	General purpose NPN
1	2N3906	General purpose PNP
1	LM7805	5V 1A voltage regulator
1	Heatsink	Heatsink for LM7805 with screw/nut
1	74HCT14	Hex Schmitt inverters
1	1N4148	General purpose signal diode
2	XTNI30W	3mm T-1 IR LED 940nm

COMPONENT LIST FOR POV DISPLAY LED PCB

Qty	Value	Description
2	WP3DP3BT	3mm phototransistor 940nm
1	ATMega328	Arduino Uno (bootloader)
1	28-pin socket	For Arduino Uno
1	ATS16B-E	16MHz crystal
1	CD4013	Dual D-type Flip-Flop
1	2N3904	General purpose NPN
1	2N3906	General purpose PNP
1	TL082	General purpose op-amp
1	MCP1700	+3.3V 250mA regulator
12	470 ohm	1/4 watt resistor
6	10K ohm	1/4 watt resistor
2	1K ohm	1/4 watt resistor
1	3.3K ohm	1/4 watt resistor
1	2.2K ohm	1/4 watt resistor
2	100uF	Electrolytic capacitor, 16V, 2.5mm spacing
5	0.1uF	Ceramic disc capacitor, 2.5mm spacing
1	0.01uF	Ceramic disc capacitor, 2.5mm spacing
1	0.001uF	Ceramic disc capacitor, 2.5mm spacing
2	18pF	Ceramic disc capacitor, 2.5mm spacing
10	LED	3mm T-1 >6000mcd white LED
4	SD103A	Schottky diode 200mA
1	1N4733	5.1V 1W zener
1	Header	6-pin debug header 0.1" pitch