

**Spoke POV Blue Bill of Materials**

<b>Item ID</b>	<b>Location</b>	<b>Manufacturer</b>	<b>MFG PN</b>	<b>Description</b>	<b>Units</b>
1	BT1	Radio Shack	27-411	AAA 4x Battery Case	1
2	C1	TDK Corporation	FK11C0G1H104J	Radial Ceramic Capacitor .1uf	1
3	C2	Vishay BC Components	MAL202134101E3	Axial Capacitor 100uf	1
4	D1-D60	Rohm Semiconductor	SLA580BCT3F	5mm Blue LEDs	60
5	P1	3M	30310-6002HB	10 Pin Programming Header	1
6	R1	Stackpole Electronics Inc	CF14JT10K0	1/4W 5% 10K Resistor (brown black orange)	1
7	RN1-RN8	Bourms Inc	4610X-101-560LF	10 Pin Bussed 9 Resistor Network 56ohm	8
8	S1	C&K Components	D6R10 F1 LFS	Tact Switch 6x6mm 4.3mm TH SPST-NO	1
9	U1	Atmel	ATTINY2313V-10PU	Preprogrammed Attiny Microcontroller	1
10	U1	TE Connectivity	1-390261-6	20 Pin DIP Socket	1
11	U2	Microchip Technology	25LC320/P	EEPROM	1
12	U2	TE Connectivity	1-390261-2	8 Pin DIP Socket	1
13	U3-U10	NXP Semiconductors	74HC595N,112	Serial to Parallel Latch	8
14	X1	Melexis Inc	US5881EUA	Hall Effect Sensor	1

**Spoke POV Yellow Bill of Materials**

<b>Item ID</b>	<b>Location</b>	<b>Manufacturer</b>	<b>MFG PN</b>	<b>Description</b>	<b>Units</b>
1	BT1	Keystone Electronics	2490	AA 2x Battery Case	1
2	C1	TDK Corporation	FK11C0G1H104J	Radial Ceramic Capacitor .1uf	1
3	C2	Vishay BC Components	MAL202134101E3	Axial Capacitor 100uf	1
4	D1-D60	Rohm Semiconductor	SLI-580YT3F	5mm High Bright LED(SYellow) 5,000 mcd	60
5	P1	3M	30310-6002HB	10 Pin Programming Header	1
6	R1	Stackpole Electronics Inc	CF14JT10K0	1/4W 5% 10K Resistor (brown black orange)	1
7	RN1-RN8	Bourms Inc	4610X-101-270LF	10 Pin Bussed 9 Resistor Network 27ohm	8
8	S1	C&K Components	D6R10 F1 LFS	Tact Switch 6x6mm 4.3mm TH SPST-NO	1
9	U1	Atmel	ATTINY2313V-10PU	Preprogrammed Attiny Microcontroller	1
10	U1	TE Connectivity	1-390261-6	20 Pin DIP Socket	1
11	U2	Microchip Technology	25LC320/P	EEPROM	1
12	U2	TE Connectivity	1-390261-2	8 Pin DIP Socket	1
13	U3-U10	NXP Semiconductors	74HC595N,112	Serial to Parallel Latch	8
14	X1	Melexis Inc	US5881EUA	Hall Effect Sensor	1