

Project Based Inquiry Kit CSE1012

Rev C 12/11/2019

	Qty	Value - P/N - Description	Depot P/N	
RESISTORS, 1/4W 5% CF	1	18 OHM BROWN GRAY BLACK	201-1010	
	1	100 OHM BROWN BLACK BROWN	201-1019	
	6	220 OHM RED RED BROWN	201-1023	
	6	470 OHM YELLOW VIOLET BROWN	201-1027	
	6	1K BROWN BLACK RED	201-1031	
	6	10K BROWN BLACK ORANGE	201-1043	
	6	100K BROWN BLACK YELLOW	201-1055	
	CAPACITORS	2	.1UF Ceramic 104K	300-1070
		2	10UF Ceramic 106K	300-1084
	DIODES	1	1N5817	120-1073
1		1N4734A 5.6V Zener Diode (1W)	125-1008	
MICRO	1	Particle Photon	706-1004	
	1	WIFI Antenna	534-1000	
IC'S	1	DRV8835 Dual Motor Driver Carrier	100-1318	
LED's	2	RED T1 3/4 Diffused	410-1000	
	2	GREEN T1 3/4 Diffused	410-1001	
	2	YELLOW T1 3/4 Diffused	410-1002	
	2	BLUE T1 3/4 Diffused	410-1004	
	3	RGB 8mm, WS2812 Driver	410-4000	
ACTUATORS	1	Piezo Buzzer	414-1001	
	1	Gear Motor	525-3001	
	1	Micro Servo	525-1005	
MISCELLANEOUS	1	Cable, USB A to USB micro, 3 Ft, White	560-3001	
	1	Male-Male 6 pin header strip	629-1010	
	1	400 Point Breadboard	754-1005	
	1	Wire kit - 70 wires	754-1019	
	1	Pliers	700-1028	
	1	Box	754-1020	
	PACKAGING	1	Static Safe Bag	760-1003
1		Static Safe Foam, 1" x 1"	760-1002	

