

	ITEM	PART #	UNIT PRICE(\$)	BULK PRICE (u/1000)(\$)	# NEEDED	SINGLE UNIT COS	BULK UNIT COST	RETAILER	DATE
ELECTRONICS	ATMEGA328 Microcontroller	ATMEGA328-PU	3.38	1.69	1	3.38	1.69	Digi Key	11/19/2015
	16MHz Crystal Clock	COM-00536 ROHS	0.95	0.86	1	0.95	0.86	Sparkfun	11/19/2015
	Micro Maestro Servo Controller	605078	19.99	19.99	1	19.99	19.99	Servo City	11/19/2015
	Triple Axis Accelerometer Breakout	SEN-12756 ROHS	9.95	8.46	1	9.95	8.46	Sparkfun	11/19/2015
	Step Down Voltage Regulator	2842	4.95	3.49	1	4.95	3.49	Pololu	11/19/2015
	HS-322HD Servo	33322S	9.99	9.99	3	29.97	29.97	Servo City	11/19/2015
	DotStar LED Strip	2237	19.95	7.98	1	19.95	7.98	Adafruit	11/19/2015
	Rocker Switch	1406	0.75	0.52	1	0.75	0.52	Pololu	11/19/2015
PCB & PARTS	PCB board		5	5	1	5	5	Oshpark	11/22/2015
	5V 1A Voltage Regulator	LM2940CT-5.0/NOPB-N	1.55	0.705	1	1.55	0.705	Digikey	12/9/2015
	5V Buffer	74ACT125PC-ND	1	1	1	1	1	Digikey	12/9/2015
	56 Ohm Resistor	311-56ERCT-ND	0.1	0.00443	2	0.2	0.00886	Digikey	12/9/2015
	68 Ohm Resistor	311-68ERCT-ND	0.1	0.00443	1	0.1	0.00443	Digikey	12/9/2015
	82 Ohm Resistor	311-82ERCT-ND	0.1	0.00443	1	0.1	0.00443	Digikey	12/9/2015
	150 Ohm Resistor	311-150ERCT-ND	0.1	0.00443	1	0.1	0.00443	Digikey	12/9/2015
	10K Ohm Resistor	311-10.0KFRCT-ND	0.1	0.00583	2	0.2	0.01166	Digikey	12/9/2015
	Red LED	404-1042-1-ND	0.53	0.13368	1	0.53	0.13368	Digikey	12/9/2015
	Green LED	404-1046-1-ND	0.5	0.12624	1	0.5	0.12624	Digikey	12/9/2015
	Blue LED	732-4989-1-ND	0.34	0.2322	1	0.34	0.2322	Digikey	12/9/2015
	Yellow LED	404-1044-1-ND	0.46	0.13	2	0.92	0.26	Digikey	12/9/2015
	22pF Capacitor	399-8165-1-ND	0.16	0.02998	2	0.32	0.05996	Digikey	12/9/2015
	0.1uF Capacitor	399-8165-1-ND	0.16	0.02998	3	0.48	0.08994	Digikey	12/9/2015
	0.47uF Capacitor	399-1249-1-ND	0.1	0.018	1	0.1	0.018	Digikey	12/9/2015
	22uF Capacitor	1276-3303-1-ND	0.26	0.06472	1	0.26	0.06472	Digikey	12/9/2015
	28pin DIP Socket	ED3050-5-ND	0.33	0.1575	1	0.33	0.1575	Digikey	12/9/2015
	14pin DIP Socket	ED3045-5-ND	0.18	0.0828	1	0.18	0.0828	Digikey	12/9/2015
MOUNTING	Standard Servo Plate A	575112	4.99	4.99	3	14.97	14.97	Servo City	11/19/2015
	Hub Mount C	545408	4.49	4.49	3	13.47	13.47	Servo City	11/19/2015
	Threaded L Bracket	534-631	0.75	0.75	3	2.25	2.25	Servo City	12/8/2015
	1" 4-40 Aluminum Standoffs	534-2031	0.76	0.76	3	2.28	2.28	Servo City	12/8/2015
	0.125" #4 Nylon Spacer	561-KSP2	0.21	0.21	6	1.26	1.26	Servo City	11/19/2015
	Mounting Tape	BUKQ4135	2.45	0.245	1	2.45	0.245	Servo City	11/19/2015
	Acrylic 1/8" Thick, 12"x12" LW		15.85	15.85	1	15.85	15.85	TAP plastics	11/23/2015
	2-56 Metal Clevis	GPMQ3791	0.4991666667	0.4991666667	3	1.4975	1.4975	Servo City	12/8/2015
	2-56 Ball Link Set	BLS-01	1.55	1.55	3	4.65	4.65	Lynxmotion	12/8/2015
	2-56 Threaded Rod	98847A003	1.85	1.85	1	1.85	1.85	Servo City	12/8/2015
HARDWARE	Battery Holder	605134	1.99	1.99	1	1.99	1.99	Servo City	12/8/2015
	Velcro	V5680	0.25	0.08333333333	1	0.25	0.08333333333	Servo City	12/8/2015
	4-40x1/2" Socket Head Machine Cap Screw	91251A110	0.35	0.35	6	2.1	2.1	Servo City	12/8/2015
	2-56x1/2" Socket Head Machine Cap Screw	91251A081	0.43	0.43	5	2.15	2.15	Servo City	12/8/2015
	4-40x1-3/4" Pan Head Phillips Machine Screw	91772A120	0.18	0.18	3	0.54	0.54	Servo City	12/8/2015
	4-40x5/16" Pan Head Phillips Machine Screw	90272A107	0.05	0.05	6	0.3	0.3	Servo City	12/8/2015

	2-56x3/8" Pan Head Phillips Machine Screw	90272A079	0.08	0.08	12	0.96	0.96	Servo City	12/8/2015
	2-56x1/2" Pan Head Phillips Machine Screw	90272A081	0.15	0.15	4	0.6	0.6	Servo City	12/8/2015
	6-32x3/8" Pan Head Phillips Machine Acrew	90272A146	0.06	0.06	6	0.36	0.36	Servo City	12/8/2015
	2-56 Machine Screw Hex Nut	90480A005	0.02	0.02	24	0.48	0.48	Servo City	12/8/2015
	4-40 Machine Screw Hex Nut	90480A005	0.03	0.03	15	0.45	0.45	Servo City	12/8/2015
	#2 Standard Washer	90126A303	0.05	0.05	21	1.05	1.05	Servo City	12/8/2015
	#4 Standard Washer	90126A005	0.05	0.05	3	0.15	0.15	Servo City	12/8/2015
	Single Header Row Pins	HPS-100-36	1.49	0.04139	19	28.31	0.78641	Servo City	12/10/2015
	TOTAL SINGLE UNIT COST (\$) = 202.3175			NOTE: 15 LEDs of 30 used per device			2-56 Metal Clevis SOLD in packs of 12		
	TOTAL BULK UNIT COST (\$) = 151.2460933			ASSUME: mounting tape good for 10 devices			2-56 Ball Link Set SOLD in packs of 4		
				ASSUME: velcro can use 3 times					