Item Qt	у	Description	Vender	Part Number	Designator	2007	Extended Price	Estimated 08	
1	1	Electrical PCB, 5"x11.94" Trapazoidal, Routed				\$20.40	\$20.40	\$20.40 \$0.00	
3	4	Capacitor, Multi-layer, 0.1uF	Digikey	P4593-ND	C2-6, C8-9	\$0.09	\$0.36		
4	1	Capacitor, Electrolytic, 100uF or 120 uF	Stockroom		C1,C7			\$0.00	
5		Diode, 1N4004, (for PS Reverse Polarity) Display, 8 segment x 4, multiplexed, red	Mouser	625-1N4004-E3	D1	\$0.04	\$0.04	\$0.04	
6 7	1	or yellow LED, Mini	Digikey Stockroom	67-1439-ND Red, 67-1441-ND for yellow	U1 LED1-5	\$5.78	\$5.78	\$5.78 \$0.00	
8 9	1	LM7805 5 Volt regulator HCS12 Application Module	Mouser Freescale		VR2 U4	\$0.50 \$37.00	\$0.50 \$37.00		
9B 9C		74LS 138- 3to 8 line Decoder 74LS47- 7 segment Decoder	Digikey Digikey	296-1639-5-ND 296-3712-5-ND	U3 U2	\$0.41 \$0.96	\$0.41 \$0.96		
10 11	8	Resistor, 1/4 watt, 300 Resistor, 1/4 watt, 460	Digikey Stockroom	P300BACT-ND N/A	R6-R12, R17 R19-21	\$0.02 \$0.02	\$0.16 \$0.06	\$0.16	
12 13		Resistor, 1/4 watt, 1K Resistor, 1/4 watt, 10K	Digikey Digikey	1.0KQBK-ND 10KQBK-ND	R13-16 R1-4,Bumper(2)	\$0.02 \$0.02	\$0.08 \$0.08	\$0.08	
14		Resistor, Network, 10K x9, bussed	Mouser Digikey	652-4610X-1LF-10K 4610X-1-103- ND	R5	\$0.24	\$0.24	\$0.24	
15 16		Resistor, Network,4.7k x8, inline Resistor, 50K Var, 19 turn, Murata	Digikey Digikey	4116R-1-472LF 490-2889-ND	R18 R22	\$0.38 \$0.55	\$0.38 \$0.55		
17 17B		Switch, DIP, 8 position Switch SPST Power Switch	Digikey Circuit Specialists	GH7193-ND 8019L	S1 S5	\$0.85 \$0.39	\$0.85 \$0.39		
18 19	4	Transistor, 2N3906 Switch, Momentary w/post	Mouser Digikey	610-2N3906 EG1024-ND	Q1-Q4 Bumper	\$0.05 \$0.39	\$0.20 \$0.78	\$0.20	
20 21	2	Button, Momentary Shorting Jumper with tab	Digikey Mouser	P8012S-ND 151-8033	S2-4	\$0.19	\$0.38 \$0.00	\$0.38	
22	2	Shorting Jumper 60 pin Dual Female Header	Digikey	S9000-nd S7133-ND	J17,J20	\$0.08 \$1.53	\$0.16 \$1.53	\$0.16	
24		Header, 0.1", 36 Position	Digikey	WM6436-ND	J1,J2,J3,J4, J10,J14,J15,J16, J20,J22,J23,	\$0.99	\$2.97		
25	1	4 Pin Connector Housing	Digikey	A26965-nd	Power Connector	\$0.34	\$0.34	\$0.34	
26		1 Pin Connector Housing	Digikey	A26962-nd	Jumpers	\$0.00	\$0.00	\$0.00	
27 28		CONN TERM FEMALE 22-24AWG TIN Keying Plug	Digikey Digikey	A25993CT-ND A3077-ND	Power Connector	\$0.20 \$0.13	\$0.00 \$0.13		
29 30		4 pin receptical 6 pin receptical	Digikey Digikey	WM3002-ND WM3004-ND	J6 J8	\$0.36 \$0.48	\$0.36 \$0.48		
		WM6436 36 pin header					Electrical:		\$75.57
		Mechanical							
m1	1	TAMAYA BALL CASTER (comes in packs of 2, price is per robot)	TAMAYA	70144		\$2.25	\$2.25	\$3.50	
m2 m8	2	servo parallax WHEELS, Parallax	Parallax Parallax	900-00008 721-00001		\$6.95 \$3.25	\$13.90 \$6.50	\$25.90	
m9 m11	2	(Rubber Bands for Wheels Included) BATTERY PACK (10)	Parallax Mouser	721-00002 12BH310A		\$1.19	\$0.00 \$1.19	\$0.00	
m5		1/4 Panhead Screw 6-32	Digikey	H354-ND		\$0.02	\$0.08		
	8	1/4 Panhead Screw 4-40 3/16 Panhead Screw 4-40	Digikey Donated stock	H342-ND		\$0.02	\$0.16		
	3	3/8 Panhead Screw 4-40 in caster 3/4" Panhead Screw 4-40	Donated stock Digikey	H150-ND		\$0.02	\$0.02	\$0.02	
	2	4-40 nuts 2-56x1/4 Metalscrew	Digikey Digikey	H216-ND PMS 256 0025 PH, H700-ND		\$0.01 \$0.07	\$0.14		
		4-40 x 1 1/2" Round Aluminum Standoffs	Digikey	3483K-ND		\$0.68	\$2.72		
		4-40 x1/4 Threaded Standoffs one for board, 3in Caster	Stockroom			\$0.00	\$0.00		
		Keystone Threaded L-Brkt 6-32 Part # 4334	Mouser	534-4334		\$0.45	\$0.90		
		Keystone Threaded L-Brkt 4-40 Part # 616	Mouser Digikey	534-616 616k-ND		\$0.43	\$1.12		
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то	TAI	<u>L</u>				SHIPPING X1.2	\$104.55 \$125.46		BOM cost w/ regd stkrm markup
						Λ1.Z	φ125.46	φ141.3b	т течи экпп паткир
	7	BATTERY AA not included				NA	NA	NA	
		Notes:							
		Pricing does not include shipping charges from parts suppliers.							
		Notice that some components are donated goods. Price will increase accordingly once stock is used up.							
		accordingly office attack to used up.							
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