

Twitch Bill of Materials

Component	Make/Specs/Part #	Qty	Unit Price	Total Price	S&H + Tax	Total
Wheels	4" Vex Omni wheels	2	35.98	71.96		
Hubs	Vex VersaHubs	4	8.99	35.96		
Key Stock	1/8 inch key stock	1	1.99	1.99		
VEX ROBOTICS				109.91	26.15	136.06
Servos	Vigor VS-11	2	10.55	21.1		
Battery Charger	HK Simplex 1~4s charger	1	27.98	27.98		
UBEC	HobbyKing 3A/5V	1	3.77	3.77		
UBEC	Turnigy 3A	1	4.76	4.76		
HOBBYKING				57.61	39.99	97.6
Gearboxes	P60 20:1 planetary	4	54.5	218		
Motor	RS380	4	4.95	19.8		
BANEBOTS				237.8	41.8	279.6
Motor Controllers	Pololu TRex DMC01	2	99.95	199.9		
POLOLU				199.9	15.95	215.85
UHMW	4"x24"x0.5"	2	23.55	47.1		
LEE VALLEY				47.1	8.01	55.107
Aluminum Spacer	0.5" OD x0.25 ID x 12" L	2	7.67	15.34		
ONLINE METALS				15.34	23.87	39.21
Xbee Shield	Sparkfun	1	29.99	29.99		
Xbee to USB Board	Spkfn Explorer Mini USB	1	33.85	33.85		
Xbee Transciever	1 mW Trace Antenna	2	35	70		
Heatshrink	Various sizes	1	10	10		
CREATRON				143.84	23.01	166.85
1/2" ID Shaft Collar	0403311	10	0.74	7.4		
Nylon Spacer	0145657	10	0.1224	1.224		
#8-32 x 3/4" Screw	110161630	100	0.0163	1.63		
#4-40 Shoulder Screw	0175669	8	0.9249	7.3992		
#4-40 x 1.25" Screw	28684	20	0.0674	1.348		
Giant ass socket screw	1123416	10	1.1808	11.808		
#6-32 x 2.25" Screw	0170273	12	0.0397	0.4764		
#4-40 x .5" Hex Standoff	0145976	5	0.0773	0.3865		
#4-40 x 1/8" Screw	27124	10	0.0135	0.135		
#4-40 x 1/8" Screw	23040	5	0.2327	1.1635		
1/2"-13 Nut	1136110	25	0.1892	4.73		
4-40 18-8 Nut	1170704	100	0.0695	6.95		
6-32 Nut	1136020	100	0.0301	3.01		

FASTENAL				47.66	15.81	63.47
1/4" OD 1/2" Standoff FF	146042	10	0.3349	3.349		
Btnhd screw 6-32 x 3/8"	24017	20	0.2983	5.966		
1/4-20 x 3" Bolt	11100102	10	0.0783	0.783		
1/4-20 Nut	1136302	100	0.083	8.3		
#4-40 x 3/8" Screw	110161618	100	0.0567	5.67		
FASTENAL II				24.07	12.73	36.80
Xbee Explorer Regulated	WRL-11373	1	9.95	9.95		
ProtoBoard - Square 2"	PRT-08811	1	2.95	2.95		
Gyroscope Breakout	SEN-11341	1	29.95	29.95		
SPARKFUN				66.92	9.27	76.19
3S LiPo Battery Pack	KYPOM-3S-3300	1	48.99	48.99		
XT60 Connectors	JD-CON-XT60	2	2.5	5		
Canada Drones				53.99	21.4	75.39
Robot frame and linkage	N/A	1	113.5	113.5		
Big Blue Saw				113.5	38.65	152.15
USB Gamepad	Logitech F310	1	25.99	25.99		
Amazon				25.99	4.76	30.75
TOTAL					276.64	1425.03