

Part Category	Chosen?	Part	Part Manufacturer	Currently on hand	Source	Value	Price Paid	CAD/USD	Specs:
Main Controller	1x	STM32 F429ZI	ST Microelectronics	yes	ST Sales rep	\$25.00	\$0.00	USD	ARM@32-bit Cortex@-M4 CPU with FPU, 180 MHz
	0x	STM32 F446RE	ST Microelectronics	yes	ST Sales rep		0		ARM@32-bit Cortex@-M4 CPU with FPU, 180 MHz
	0x	Arduino Mega 2560	Atmel	yes			20		16 MHz
Secondary Controller?	0x	MSE Duino	Atmel	yes					16 MHz
Drive Motors	5x	Vex Integrated Encoder							
	0x	Stepper	...						
	1x	Vex Servo	Adafruit Industries LLC	no	Digikey	14	14	USD	1.645"x1.645", 330mA, 12V, 1.8deg stepper, Driver needed
Magnetic Sensors			...						
	0x	STEVAL-MK1181V1	ST Microelectronics	in transit	ST Sales rep	?	0		
	1x	LSM303	Adafruit Industries LLC	yes	Digikey	20.53	20.53	CAD	
	0x	MAG3110	Sparkfun	yes	Digikey	20.53	20.53	cad	
Photosensitive Sensors									
	2x	The IR one they give us		yes	naish	0	0		
Ultrasonic Sensors									
	3x	The VEX one they give us		yes	naish	0	0		
Arduino WIFI shield	0x	EXP8266		no	sparkfun	WRL-13678	7		
Misc Hardware	...	1.5" Standoffs		no					
Suction Cup	0x			no					
Suction Cpu Vacuum Pump	0x			no					
Sensor Moduled	0x							USD	