	Name or Model	Type Key Characteristics	Manufacturer	Price	Notes	
	STM32L100RCT6TR	Microcontroller	ST Microelectronics	3.29420 per unit for 2500+ units		ARM® Cortex®-M3 STM32 L1 Microcontroller IC 32-Bit 32MHz 256KB (256K x 8) FLASH 64-LQFP (10x10) , LCD, I2C capability, UART/USART
	DT043BTFT-PTS1	LCD Display+Driver	Displaytech	60.1559 per unit for 100 units		4.3" PCAP TFT Display, 480 x 272 RGB resolution, 24-bit data bus, up to 16M colors, 3V supply, I2C interface for touch
	esp8266	Wifi chip/BLE	Espressif Systems	3.36 to 8.95 per unit		
	IXD3235A30DMR-G	Voltage Reg	Zilog	0.5824 per unit for 3000 units		Buck Switching Regulator IC Positive Fixed 3V 1 Output 600mA SC-74A, SOT-753, input max 6V
Main Module	KTPS05-05015U-VI-P1	AC/DC converter	Volgen America/Kaga Electronics USA	6.1905 per unit for 500+ units		5V 7.5W AC/DC External Wall Mount Adapter Fixed Blade Input
	GPTS203211B	Soft Button	CW Industries	0.4785 per unit for 500+ units		
						Pushbutton Switch SPST Standard Through Hole
	Custom	Casing	Custom	???		
	Custom	PCB	Custom	\$30 student discount		
	Piezo Buzzer	Speakers	TDK	0.76 for 100+ units		3.3V input, frequency range 2KHz to 10KHz
	esp8266	Wifi chip/BLE	Espressif Systems	3.36 to 8.95 per unit		
	ATmega3268	Microcontroller	Atmel	1.62740 for 100+ unit		Atmel AVR 8-bit microcontroller, UART, two 8-bit controller, PWM, 23I/O
	Custom		Custom	???		Attiet AVI Cost inicidentistier, CACI, two objections of the Will, 2010
und Module		Casing PCB	Custom	, , , , , , , , , , , , , , , , , , ,	10	pcbway.com
Journa Module	KTPS05-05015U-VI-P1	AC/DC converter	Volgen America/Kaga Electronics USA	6.1905 per unit for 500+ units	10	5V 7.5W AC/DC External Wall Mount Adapter Fixed Blade Input
	K1P505-05015U-VI-P1	AC/DC converter	volgen America/Kaga Electronics USA	6.1905 per unit for 500+ units		5V 7.5W AC/DC External Wall Mount Adapter Fixed Blade Input
		Led bulb/light	Custom	1.95 per unit		
	ATmega3268	Microcontroller	Atmel	1.62740 for 100+ unit		Atmel AVR 8-bit microcontroller, UART, two 8-bit controller, PWM, 23I/O
	esp8266	Wifi chip/BLE	Espressif Systems	3.36 to 8.95 per unit		Wireless Bluetooth RF Transcriver 8Mbit Module serial RS232 TTL HC-05
		onposee		0.00 to 0.00 per unit		
ght Module	Custom	Casing	Custom	222		
5 Module	Custom	PCB	Custom	\$30 student discount		
	12V N-channel MOSFET	Transistor	Fairchild	0.86 for 100+ unit	for intensity	32A, 60V, RDS(on) = 0.035Ω @VGS = 10 V
	12 V IV-GIMINEI WOOFE I			0.00 IUI 100+ UIIIL	ioi intensity	320, 00V, (DO(di) = 0.0011 @VO3 = 10 V
		switch	Custom			
	Force Sensitive Resistor	Sensor	Adafruit	6.36 per 100+ unit		
	PIR motion Sensor	Sensor	Adafruit	7.96 per 100+ unit		
Sensing Module	ATmega3268	Microcontroller	Atmel	1.62740 for 100+ unit		Atmel AVR 8-bit microcontroller, UART, two 8-bit controller, PWM, 23I/O
	esp8266	Wifi chip/BLE	Espressif Systems	3.36 to 8.95 per unit		Wireless Bluetooth RF Transcriver SMhit Module serial RS23 TTI HC:05
	Custom	Casing	Custom	222 to 6.95 per unit		WHERESS BRIEDON RF Transceiver SMOR Woulde Serial RS252 11L PtC-05
		PCB	Custom	\$30 student discount		
	KTPS05-05015U-VI-P1	AC/DC converter	Volgen America/Kaga Electronics USA	6.1905 per unit for 500+ units		5V 7.5W AC/DC External Wall Mount Adapter Fixed Blade Input
	JC502C3R5/17	Temperature Sensor	Amphenol Advanced Sensors			NTC Thermistor 5k Pipe Sensor Assembly
		Custom Hot/Cold valve				
	ATmega3268	Microcontroller	Atmel	1.62740 for 100+ unit		Atmel AVR 8-bit microcontroller, UART, two 8-bit controller, PWM, 23I/O
	esp8266	Wifi chip/BLE	Espressif Systems	3.36 to 8.95 per unit		
	Custom	Casing	Custom	???		
		PCB	Custom	\$30 student discount		
	KTPS05-05015U-VI-P1	AC/DC converter	Volgen America/Kaga Electronics USA			5V 7.5W AC/DC External Wall Mount Adapter Fixed Blade Input
	KII 000 000 100 VII I	7.0.00 contents	roigen / menourtaga Electronico Co/t			ov 1.507 / Cros Calcular Vial Model / Scape I seed State I speci
		switch				
	ATmega3268	Microcontroller	Atmel	1.62740 for 100+ unit		Atmel AVR 8-bit microcontroller, UART, two 8-bit controller, PWM, 23I/O
	esp8266	Wifi chip/BLE	Espressif Systems	3.36 to 8.95 per unit		
Curtain Module	Custom	Casing	Custom	???		
		PCB	Custom	\$30 student discount		
	KTPS05-05015U-VI-P1	AC/DC converter	Volgen America/Kaga Electronics USA	GOO STAGGERT GISCOURT		5V 7.5W AC/DC External Wall Mount Adapter Fixed Blade Input
	303-030 I30-VFI I	curtains/hinds+servo+drivehelt	Custom Design			OT 1.500 CALCINAL YEAR MOUNT ANABJER I I NEO DIAGE INDUIT
		Cartalist Dillius - Sel 10 - Ull Vebelt	Coolon Scalgin			
	Power relay	Relay circuit	Omron	21.15 for 500+ unit		
		Coffee machine	Custom			
	ATmega3268	Microcontroller	Atmel	1.62740 for 100+ unit		Atmel AVR 8-bit microcontroller, UART, two 8-bit controller, PWM, 23I/O
	esp8266	Wifi chip/BLE	Espressif Systems	3.36 to 8.95 per unit		Wireless Bluetooth RF Transceiver 8Mbit Module serial RS232 TTL HC-05
	Custom	Casing	Custom			
	Custom	PCB	Custom			