Bill of Materials for: Team 20 Last Modified: 11/12/2020 PCB version: design_v2 BOM revision: 1

Cnt	Parts	P/NP	Mfg	Mfg PN	Description	Dist	Dist Part Number	Cost Ea	Cost Total
1	U1	Р	Atmel	ATMEGA328P-PU	8-bit Microcontrollers - MCU 32KB In-system Flash 20MHz 1.8V-5.5V	Mouser	556-ATMEGA328P-PU	\$2.08	\$2.08
1	Y1	Р	TXC Corp	9B-16.000MEEJ-B	Crystals 16.000MHz 10ppm -20 +70C 18pF	Mouser	717-9B-16.000MEEJ-B	\$0.48	\$0.48
1	J4	Р	Sparkfun	PRT-12748	SparkFun Accessories DC Barrel Power Jack Connector SMD	Mouser	474-PRT-12748	\$1.50	\$1.50
1	IC1	Р	STMicroelectronics	LM317T	Linear Voltage Regulators 1.2-37V Adj Positive 1.5 Amp Output	Mouser	511-LM317T	\$0.64	\$0.64
2	C7, C8	Р	TDK	C2012X5R1V106K0 85AC	Multilayer Ceramic Capacitors MLCC - SMD/SMT RECOMMENDED ALT 810-C2012X5R1V106K1C	Mouser	810-C2012X5R1V106 K0C	\$0.38	\$0.76
2	C1, C2	Р	KEMET	C0805C220G5GAC TU	Multilayer Ceramic Capacitors MLCC - SMD/SMT 50V 22pF C0G 0805 0.02	Mouser	80-C0805C220G5G	\$0.42	\$0.84
1	C3	Р	KEMET	C0805X104M5RAC TU	Multilayer Ceramic Capacitors MLCC - SMD/SMT 50V 0.1uF X7R 0805 20%	Mouser	80-C0805X104M5RAC TU	\$0.52	\$0.52
1	R2	Р	ROHM	SFR10EZPJ103	Thick Film Resistors - SMD 10Kohm 0805 5%	Mouser	755-SFR10EZPJ103	\$0.11	\$0.11
1	S1	Р	C&K	PTS645SK50JSMT R92 LFS	Tactile Switches 50mA 12VDC, SPST NO, 260 gf, 5.0mm H, SMT J-type	Mouser	611-SK50JSMTR92LF S	\$0.41	\$0.41
1	J1	Р	Adafruit	1465	ADAPTER MINI KIT BB AVR ISP 6PIN	Digi-Key	1528-1189-ND	\$0.95	\$0.95
1	J2	Р	Wurth Electronik	61300611121	CONN HEADER VERT 6POS 2.54MM	Digi-Key	732-5319-ND	\$0.33	\$0.33

1	M1	N/P	Sparkfun	ROB-12625	SparkFun Accessories Servo - Hitec HS-755HB (1/4 Scale)	Mouser	474-ROB-12625	\$39.94	\$39.94
1	U4	N/P	MCM	287-18001	PIR motion detector module	Newark	25AC5060	\$2.99	\$2.99
Total:						\$51.55			

VERSION INFO					
Rev	Date	Notes			
1.0	2020-11-12	Initial BOM.			