





Line #	Name	Description	Designator	Quantity	Manufacturer 1	Manufacturer Part Number 1	Manufacturer Lifecycle 1	Supplier 1	Supplier Part Number 1	Supplier Unit Price 1	Supplier Subtotal 1
1	Board Headers	24 pin sockets		2	Sullins	PPPC241LFBN-RC	Volume Production	Digi-Key	\$7057-ND	1.43	2.86
2	Teensy Headers	24 pins spaced 0.100" apart		2	Sullins	PRPC024SFAN-RC	Volume Production	Digi-Key	\$1211EC-24-ND	0.68	1.36
3	Term Resistor Header	6 Pins to hold shunts		1	Sullins	PRPC006SFAN-RC	Volume Production	Digi-Key	\$1211EC-06-ND	0.21	0.21
4	LED	Blue 470nm LED Indication - Discrete 3.2V Radial	BLU	1	Würth Electronics	151051BS04000	Volume Production	Digi-Key	732-5015-ND	0.26	0.26
	0.1uF	0.1µF ±10% 50V Ceramic Capacitor X7R 0603 (1608 Metric)	C1, C2, C3	3	Vishay BCcomponents	K104K15X7RF53H5	Volume Production	Digi-Key	BC3323-ND	0.23	0.69
5	Header 3	Header, 3-Pin	CAN1, CAN2, CAN3	3	Phoenix Contact	PT1.5/3-5.0-H	Volume Production	Digi-Key	277-1578-ND	0.75	2.25
6	LED	Green 572nm LED Indication - Discrete 2.1V Radial	GRN	1	Würth Electronics	151051VS04000	Volume Production	Digi-Key	732-5017-ND	0.26	0.26
7	D Connector 9	CONN D-SUB PLUG 9POS R/A SLDR	J1	1	Assmann	A-DS-09-A/KG-T2S	Volume Production	Digi-Key	AE10968-ND	0.78	0.78
	Header 2	Header, 2-Pin	P1	1							
8	120	120 Ohms ±5% 0.25W, 1/4W Through Hole Resistor Axial Carbon Film	R1, R2, R7	3	Yageo	CFR-25JB-52-120R	Volume Production	Digi-Key	120QBK-ND	0.1	0.3
9	470	470 Ohms ±5% 0.25W, 1/4W Through Hole Resistor Axial Carbon Film	R3, R4, R5, R6	4	Yageo	CFR-25JB-52-470R	Volume Production	Digi-Key	470QBK-ND	0.1	0.4
10	LED	Red 645nm LED Indication - Discrete 2.1V Radial	RED	1	Würth Electronics	151051RS11000	Volume Production	Digi-Key	732-5016-ND	0.17	0.17
11	Teensy 4.1	32 Bit Arduino-Compatible iMX Microcontroller	Teensy 4.1	1	SparkFun	16771	Unknown	Digi-Key	1568-DEV-16771-ND		
12	Header 2	2 (1 x 2) Position Shunt Connector Open Top, Grip 0.100" (2.54mm) Gold	Term1, Term2, Term3	3	Sullins	NPC02SXON-RC	Volume Production	Digi-Key	S9341-ND	0.11	0.33
13	MCP2562	1/1 Transceiver CANbus 8-PDIP	U1, U2, U3	3				Digi-Key	MCP2562FD-E/P-ND		
14	LED	Yellow 590nm LED Indication - Discrete 2V Radial	YEL	1	Würth Electronics	151051YS04000	Volume Production	Digi-Key	732-5018-ND	0.23	0.23