Team 203 S.I.R.E.N BOM

Part Name/Description	Unit Quantity	Unit Prototype Cost	Total Prototype Cost	Unit Production Cost	Total Production Cost	Manufacturer	Manufacturer Part #	Vendor Link	Datasheet Link	Supplier	Supplier Part #	# Ordered	Date Ordered	# Received	Surplus	Schematic Reference Designators
Motor	2		$0.00	$3.61	$7.22	Vybronics Inc	VQ4TL2BQ380001	https://www.digikey.cc	https://www.vybronics	Digikey	1670-VQ4TL2BC	2	2/14/2024	0	-2	M1
Motor Driver	4		$0.00	$4.00	$16.00	Infineon Techn	IFX9201SGAUMA1	https://www.digikey.cc	https://www.infineon.c	Digikey	IFX9201SGAUM	4	2/14/2024	0	-4	MD1
Temperature Sensor	5		$0.00	$1.15	$5.75	Microchip Tech	TC74A4-3.3VCTTR	https://www.digikey.cc	https://ww1.microchip.	Digikey	TC74A4-3.3VCT	5	2/14/2024	0	-5	
4.7K Resistors	20		$0.00	$0.03	$0.62	Stackpole Elec	RMCF1206FT4R70	https://www.digikey.cc	https://www.seielect.c	Digikey	RMCF1206FT4F	20	2/14/2024	0	-20	
Light Sensor	5		$0.00	$1.02	$5.10	Lite-On Inc.	LTR-329ALS-01	https://www.digikey.cc	https://optoelectronics	Digikey	160-2160-1-ND	5	2/14/2024	0	-5	
Red LED	10		$0.00	$0.32	$3.23	Visual Commun	LSM0805412V	https://www.digikey.cc	https://vcclite.com/wp-	Digikey	28-LSM0805412	10	2/14/2024	0	-10	
Green LED	5		$0.00	$0.39	$1.95	Visual Commun	LSM0805452V	https://www.digikey.cc	https://vcclite.com/wp-	Digikey	28-LSM0805452	5	2/14/2024	0	-5	
Yellow LED	5		$0.00	$0.39	$1.95	Visual Commun	LSM0805472V	https://www.digikey.cc	https://vcclite.com/wp-	Digikey	28-LSM0805472	5	2/14/2024	0	-5	
Switching volt Regulator	5		$0.00	$2.39	$11.95	onsemi	LM2575D2T-3.3R4G	https://www.digikey.cc	https://www.onsemi.cc	Digikey	LM2575D2T-3.3I	5	2/14/2024	0	-5	
Switch	5		$0.00	$0.76	$3.81	C&K	JS202011SCQN	https://www.digikey.cc	https://www.ckswitche	Digikey	401-2002-1-ND	5	2/14/2024	0	-5	
Microcontroller	10		$0.00	$1.21	$12.10	Microchip Tech	PIC16F18325T-I/SL	https://www.digikey.cc	https://ww1.microchip.	Digikey	PIC16F18325T-I	10	2/14/2024	0	-10	
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