Bill of Materials:	Team 13	Second Generation Low Power	Environmental Sensor Suite													
ast Modified:	6/8/2022															
Schematic Version	1	.1														
BOM revision:		1														
tuantity	Part References	Mfg	Mfg PN	Description	Dist	Dist Part Number	Cost Ea.	Cost Total	URL							
1		1 Oshpark	N/A	Sensor Suite Junction Board	Osh Park	N/A	\$35.50	\$35.5	https://oshpark.c	om/						
1		2 Texas Instruments	MSP-EXP430FR5994	MSP430FR5994 Launchpad	Digi-Key	296-45386-ND	\$20.39	\$20.3	https://www.digil-	ey.com/en/products	detail/texas-instrun	nents/MSP-EXP430	R5994/6645208			
1		3 Samsung	N/A	SD Card, 32 GB	Amazon	N/A	\$17.99	\$17.9	https://www.ama	zon.com/Samsung-I	MicroSDHC-Adapte	r-MB-ME32GA-AM/	dp/B06XWN9Q99?t	h=1		
1		4 Analog Devices	DC9018B-B	DC9018B-B Evaluation Mote	Digi-Key	DC9018B-B	\$360.00	\$360.0	https://www.digil-	ey.com/en/products	detail/analog-devic	es-inc/DC9018B-B/	1696309			
1		5 Honeywell	HIH6120	SENS HUMI/TEMP 3.3V I2C 2% 4SIP	Digi-Key	480-5706-1-ND	\$12.90	\$12.9	https://www.digil-	ey.com/en/products	detail/honeywell-se	ensing-and-productiv	ity-solutions/HIH81	20-021-001/4291627		
1		6 Dynament	DS0002	NO2 Sensor	Dynament	DS0002	\$0.00	\$0.0	https://www.dyna	ment.com/products	gas-sensors/					
2		7 Yageo	RT1206BRD075KL	RES SMD 5K OHM 0.1% 1/4W 1206	Digi-Key	YAG5090CT-ND	\$0.65	\$1.3	https://www.digil-	ey.com/en/products	detail/yageo/RT12	06BRD075KL/59369	61			
1		8 Otdorpatio	N/A	Enclosure, IP67 Waterproof	Amazon	N/A	\$27.99	\$27.99	https://www.am	azon.com/dp/B09	F8YGGHB?ref=p	px yo2ov dt b p	roduct_details&th	=1		
1		9 LeMotech	N/A	1/4" Cable Gland	Amazon	N/A	\$0.55	\$0.5	https://www.an	azon.com/dp/B08	ZYMDYHD?psc=	1&ref=ppx_yo2ov	dt b product de	tails		
1		10 Striveday	N/A	5-wire 1/4" cable, 3 ft.	Amazon	N/A	\$2.01	\$2.0	https://www.am	azon.com/dp/B07	Y32RQ2Z?ref=pr	x yo2ov dt b pr	oduct_details&th=	1		
1		11 ESUPPORT	N/A	5-wire automotive connector	Amazon	N/A	\$2.46	\$2.46	https://www.am	azon.com/dp/B01	4P8XJQE?psc=1	&ref=ppx yo2ov	dt b product deta	ails		
10		12 Wirefy	N/A	heat shrink tubing, 1/8"	Amazon	N/A	\$0.07	\$0.70	https://www.am	azon.com/dp/B08	4GDLSCK?psc=1	1&ref=ppx yo2ov	dt b product det	tails		
1		13 Ltvystore	N/A	Battery Holder, 4 slot, 18650	Amazon	N/A	\$2.75	\$2.75	https://www.am	azon.com/dp/B07	CWK81BJ?psc=1	&ref=ppx yo2ov	dt b product det	ails		
1		14 MELIFE	N/A	USB breakout board	Amazon	N/A	\$0.84	\$0.84	https://www.am	azon.com/dp/B07	W7XMV3W?psc=	1&ref=ppx_yo2ov	dt b product de	etails		
1		15 Spater	N/A	Micro USB cable	Amazon	N/A	\$1.60	\$1.60	https://www.am	azon.com/dp/B01	FSYBQ9Q?psc=	1&ref=ppx yo2ov	dt b product del	tails		
4		16 SHENMZ	N/A	18650 Battery, Lithium-ion, 3.7V	Amazon	N/A	\$9.95	\$39.78	https://www.am	azon.com/dp/B07	1CHP4PL?psc=1	&ref=ppx_vo2ov	dt b product det	ails		
2		17 Assmann WSW Components	H3CCH-2006G	Ribbon Cable, 2x10	Digikey	H3CCH-2006G-ND	\$1.35	\$2.70	https://www.dig	ikey.com/en/produ	ıcts/detail/assmaı	nn-wsw-componer	its/H3CCH-2006G	6/1218561		
1		18 Assmann WSW Components	IDSD-16-D-02.00-T-G-RW-R	Ribbon Cable 2x16	Mouser	200-IDSD16D0200TGRWR	\$13.40	\$13.40	https://www.mo	user.com/Product	Detail/Samtec/ID	SD-16-D-02.00-T-	G-RW-R?qs=0IQe	LiL1qyYrkofe6uZx%	6252BA%3D%3D	
15		19 RuiLing	N/A	Jumper Shunt, 2.54mm	Amazon	N/A	\$0.03	\$0.52	https://www.an	azon.com/dp/B07	VJKCHVN?psc=1	1&ref=ppx_yo2ov_	dt_b_product_del	tails		
1		20 Uxcell	N/A	8 pin adapter boards	Amazon	N/A	\$0.32	\$0.33	https://www.am	azon.com/uxcell-/	Adapter-Board-Co	nverter-25pcs/dp/	B07FK4BQHL			
							Total:	\$543.7	,							