

D

C

B

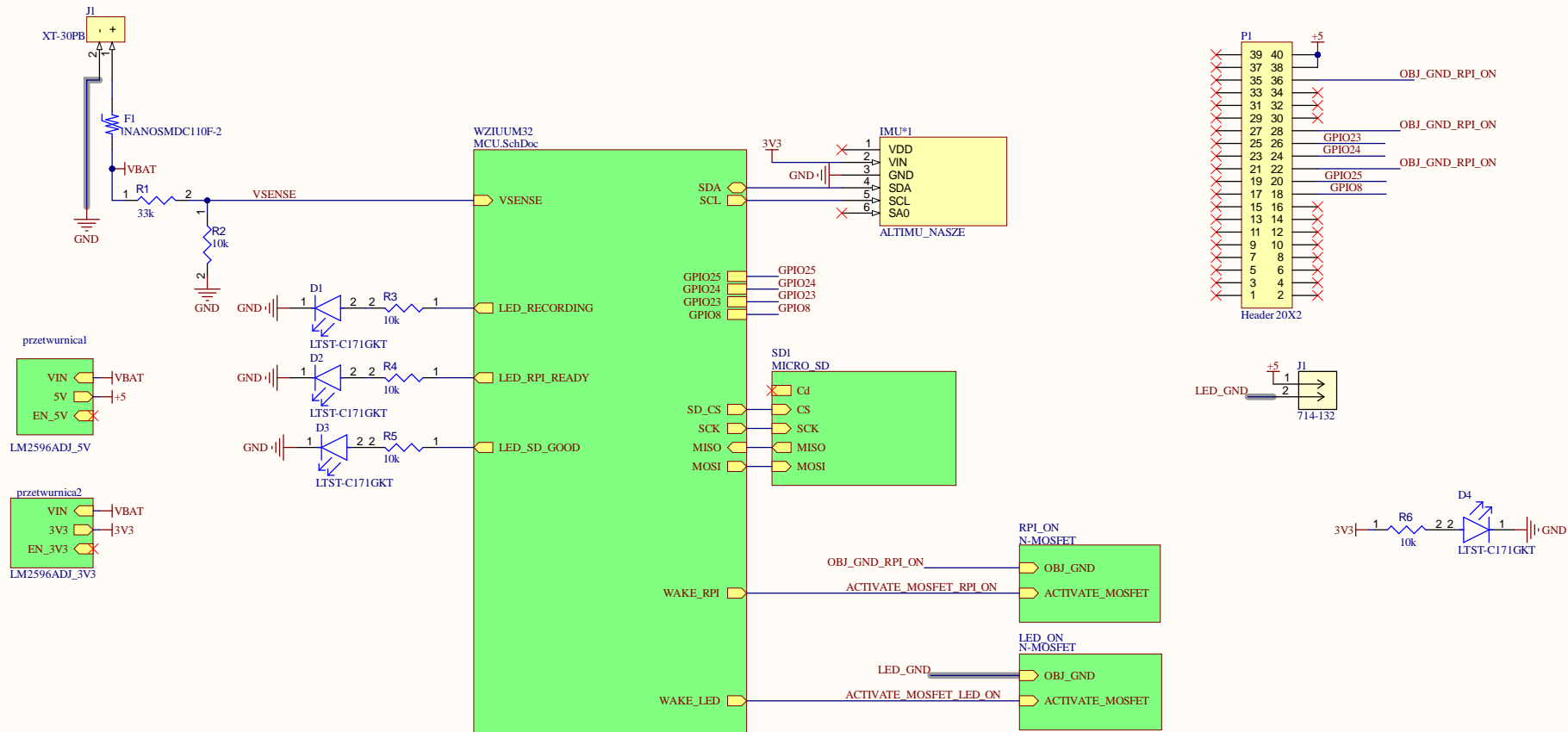
A

D

C

B

A



1

2

3

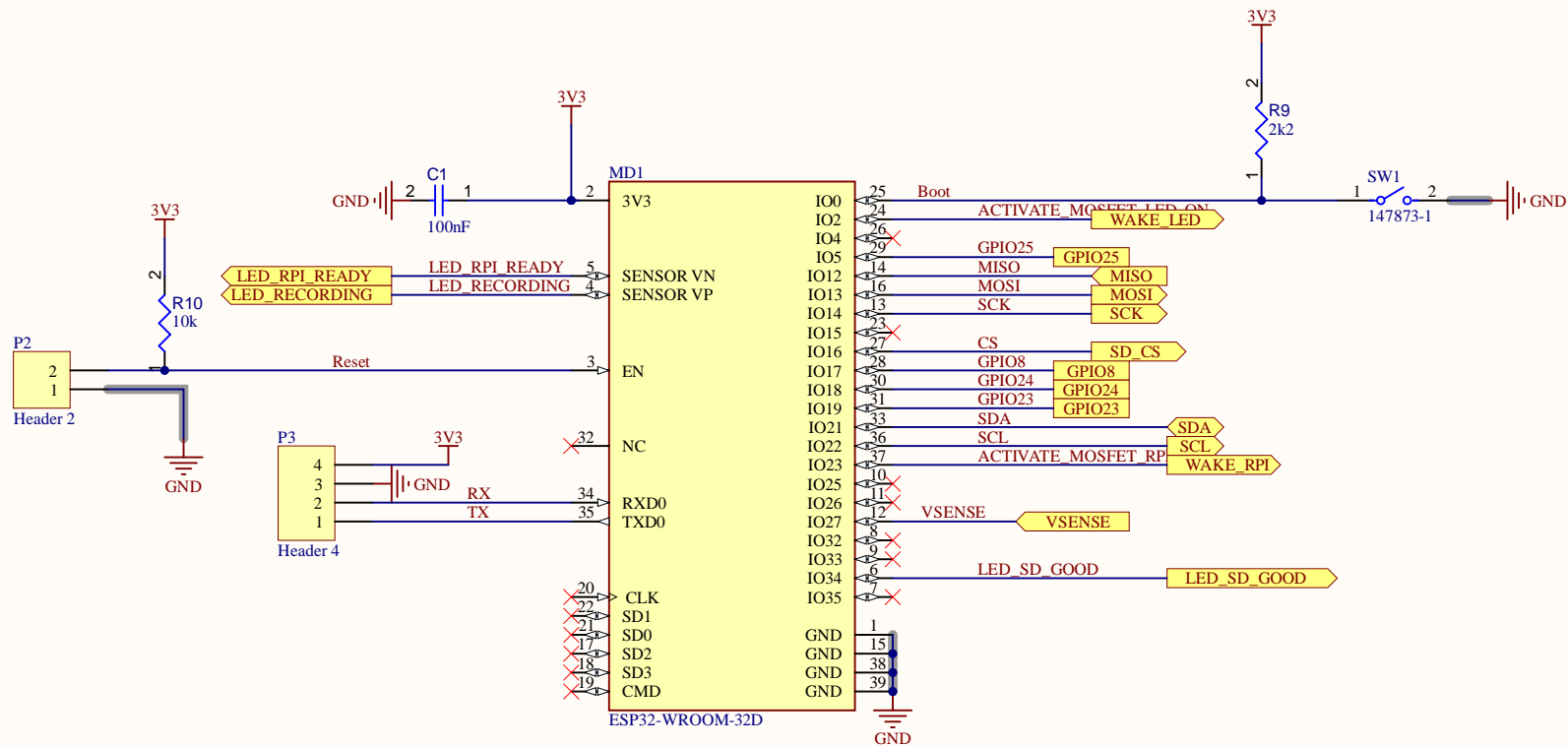
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A

B

C

D



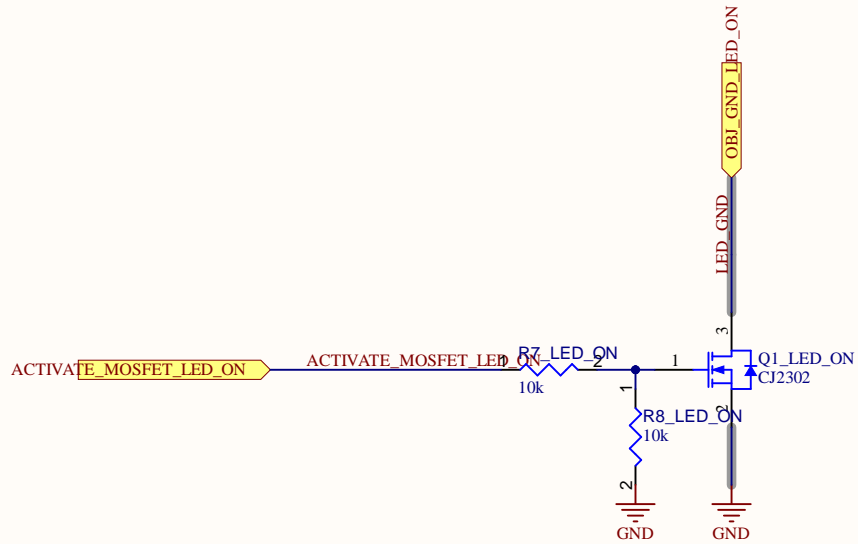
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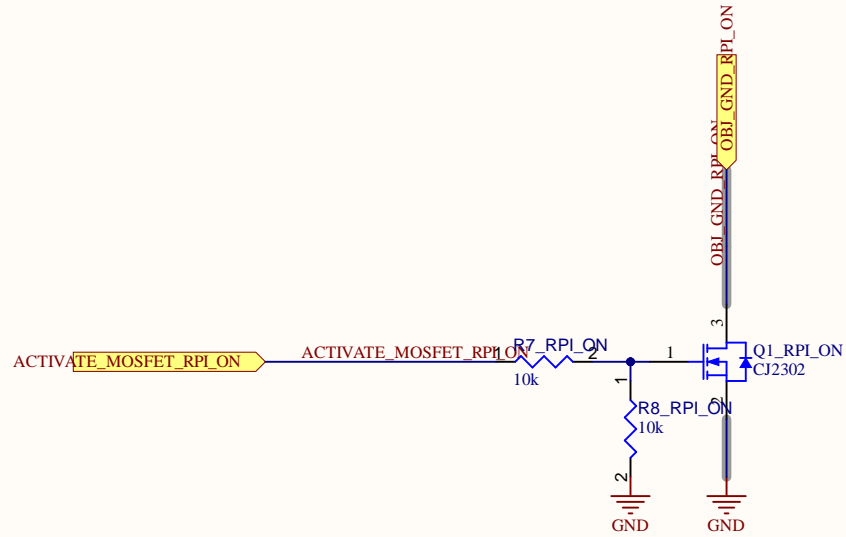
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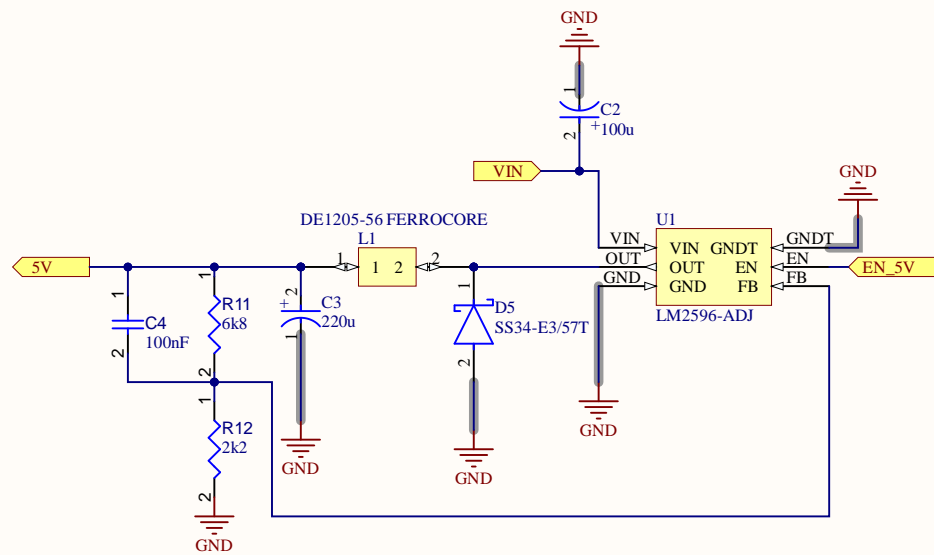
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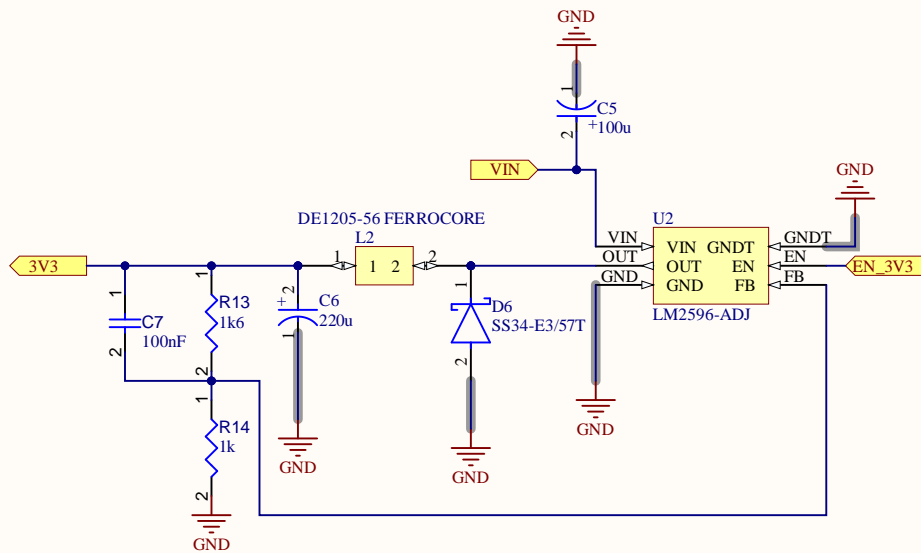
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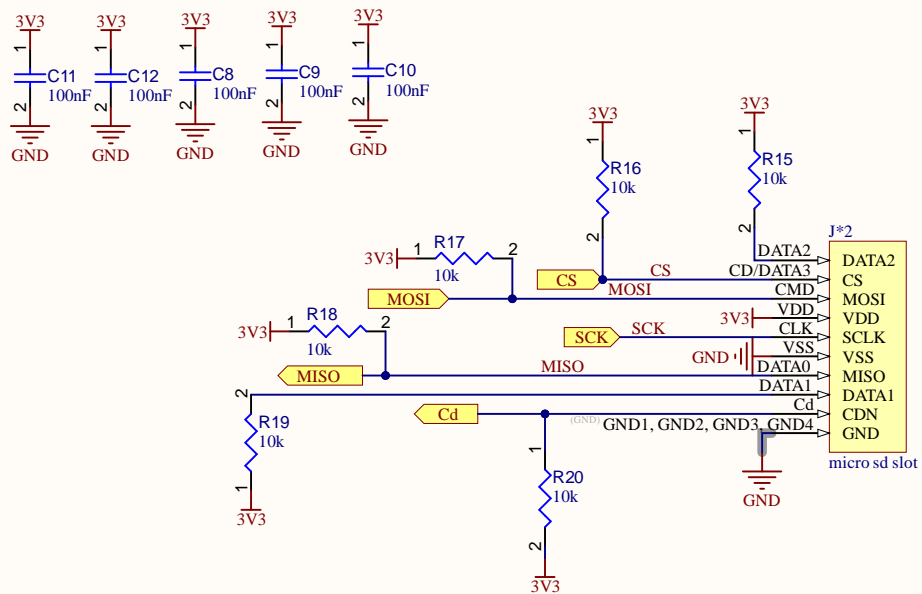
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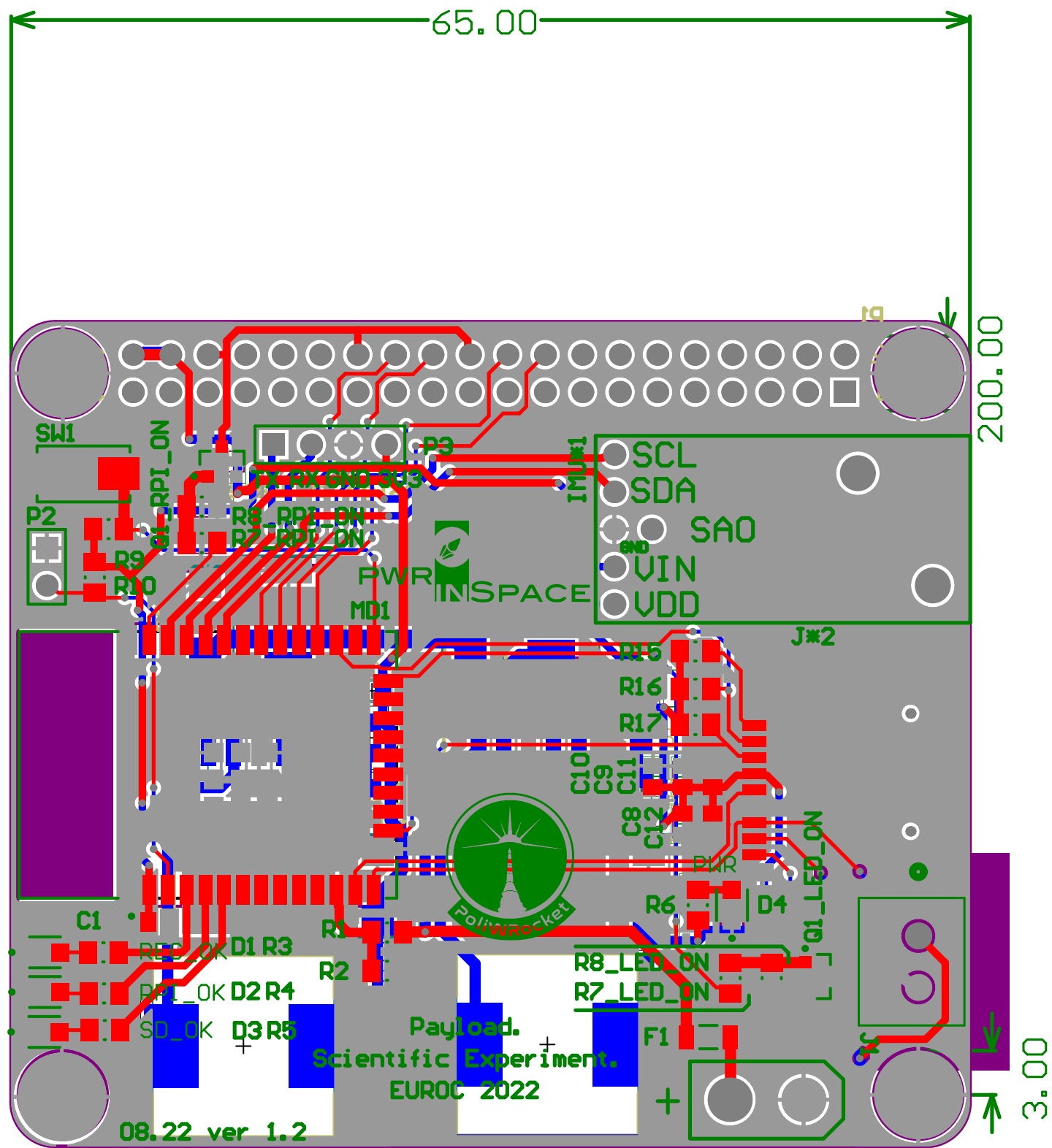
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Title		
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Line #	Name	Description	Designator	Quantity	Manufacturer 1	Manufacturer Part Number 1	Manufacturer Lifecycle 1	Supplier 1	Supplier Part Number 1	Supplier Unit Price 1	Supplier Subtotal 1
1	Capacitor 100 nF +/- 10% 50 V 0805	Chip Capacitor, 100 nF, +/- 10%, 50 V, 0805 (2012 Metric)	C1, C4, C7, C8, C9, C10, C11, C12	8	Yageo	CC0805KRX7R9BB104	Volume Production	Newark	65R8992	0.019	0.152
2	100u, 220u	CAP TANT 10UF 10% 16V 2312	C2, C3, C5, C6	4	KEMET	T491C106K016AT	Volume Production	Newark	57K1846	0.085	0.34
3	LTST- C171GKT	LED GREEN CLEAR CHIP SMD	D1, D2, D3, D4	4	Vishay Lite-On	LTST-C171GKT	Volume Production	Digi-Key	160-1423-1-ND	0.26	1.04
4	SS34-E3/57T	DIODE SCHOTTKY 40V 3A DO214AB	D5, D6	2	Vishay Semiconductors	SS34-E3/57T	Volume Production	Mouser	625-SS34-E3	0.57	1.14
5	NANOSMDC 110F-2	PolySwitch Resettable Device, 6 V, 1.1 A, -40 to 85 degC, 2-Pin SMD, RoHS, Tape and Reel	F1	1	TE Connectivity	NANOSMDC110F-2	Volume Production				
6	ALTIMU_NA SZE		IMU*1	1	Pololu	ALTIMU-10 V3					
7	714-132	No Description Available	J1	1							
8	XT-30PB	ugabuga	J1	1							
9	micro sd slot		J*2	1							
10	DE1205-56 FERROCORE		L1, L2	2							
11	ESP32- WROOM- 32D	WIFI MODULE 32MBITS SPI FLASH	MD1	1	Espressif Systems	ESP32-WROOM-32D	Not Recommended for New Design				
12	Header 20X2	Header, 20-Pin, Dual row	P1	1							
13	Header 2	Header, 2-Pin	P2	1							
14	Header 4	Header, 4-Pin	P3	1							
15	CJ2302	N-Channe Plastic Encapsulate MOSFET, 20 V, 2.1 A, 3-Pin SOT23, Tape and Reel	Q1_LED_ON, Q1_RPI_ON	2							
16	Resistor 33k +/-1% 0805 125 mW, Resistor 10k +/-1% 0805 125 mW	Chip Resistor, 10 KOhm, +/- 1%, 125 mW, -55 to 155 degC, 0805 (2012 Metric)	R1, R2, R3, R4, R5, R6, R7_LED_ON, R7_RPI_ON, R8_LED_ON, R8_RPI_ON, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20	22	Yageo	RC0805FR-0710KL	Volume Production	Newark	85X1799	0.004	0.088
17	147873-1	SWITCH TACTILE SPST-NO 0.05A 24V	SW1	1	TE Connectivity	147873-1	Volume Production	Newark	82AC1060	0.177	0.177
18	LM2596-ADJ	Switching converter DC-DC	U1, U2	2							