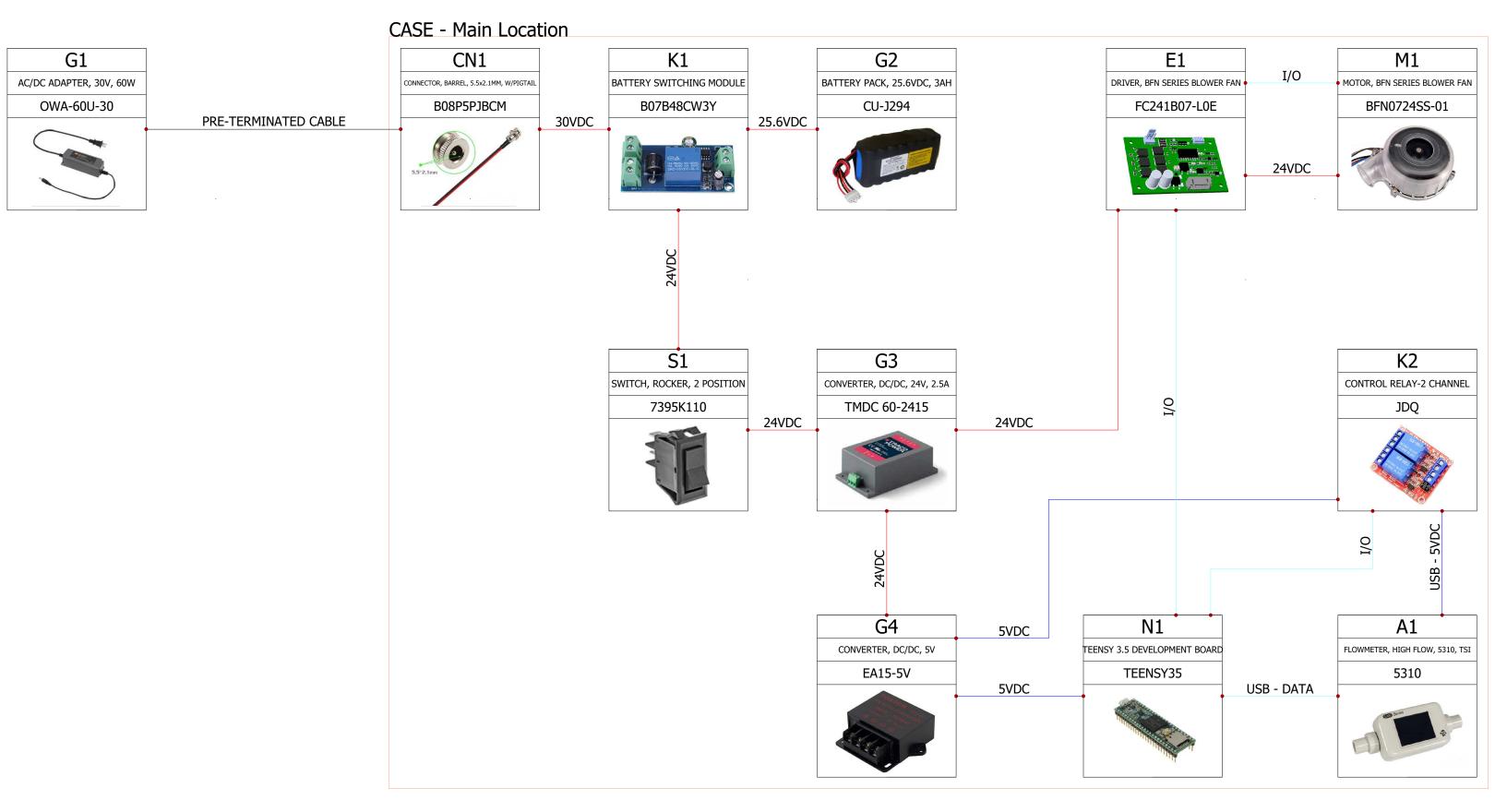
1-Document book

Drawing	Description	Function	Location	Revision	Date	Created by	Folder	Folder description
<u>A</u>	Cover page	F1	CASE	A	5/4/2022	J. Dickon		
<u>B</u>	Drawings list	F1	CASE	А	5/4/2022	J. Dickon		
<u>01</u>	Wiring Line Diagram	F1	CASE	А	5/4/2022	J. Dickon	С	Line Diagram
<u>01</u>	Power	F1	CASE	А	5/4/2022	J. Dickon	D	Schematics
02	Motor Control	F1	CASE	А	5/4/2022	J. Dickon	D	Schematics
03	MCU	F1	CASE	А	5/4/2022	J. Dickon	D	Schematics
04	RELAY CONTROL	F1	CASE	А	5/6/2022	J. Dickon	D	Schematics
05	FLOWMETER	F1	CASE	A	5/5/2022	J. Dickon	D	Schematics
06	Bill Of Materials grouped by manufacturer	F1	CASE	А	5/6/2022	J. Dickon	E	Reports
<u>07</u>	Bill Of Materials grouped by manufacturer	F1	CASE	A	5/6/2022	J. Dickon	E	Reports
08	Bill Of Materials grouped by manufacturer	F1	CASE	Α	5/9/2022	J. Dickon	Е	Reports

SOLIDWORKS Electrical A 5/4/2022 J. Dickon Drawings list REVISION ATOR Labs 7506 Holley Cir SCHEME REV. DATE NAME CHANGES Panama City Beach, FL 32408 В User data 1 User data 2 LOCATION: CASE Main Location CONTRACT:

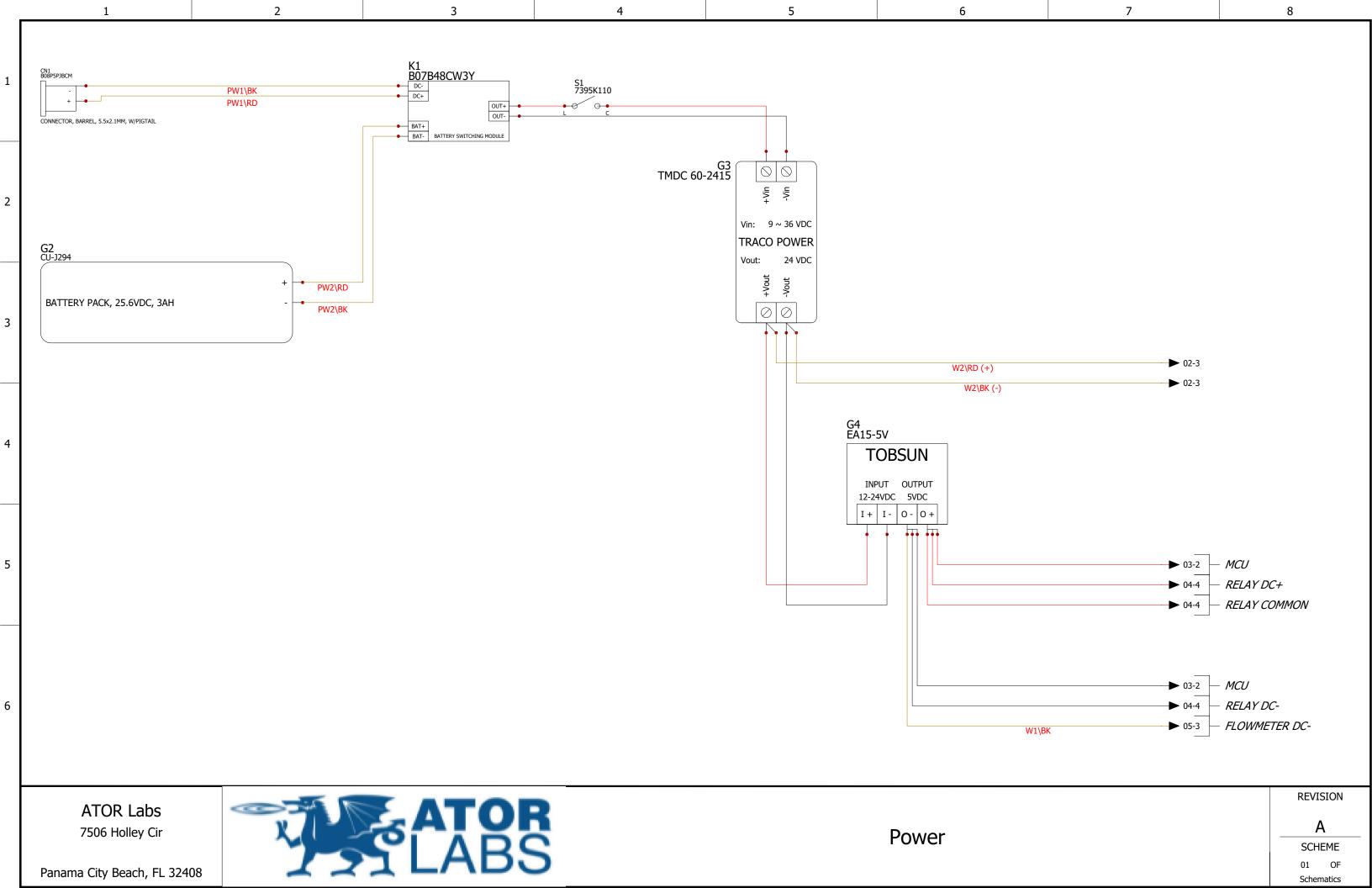


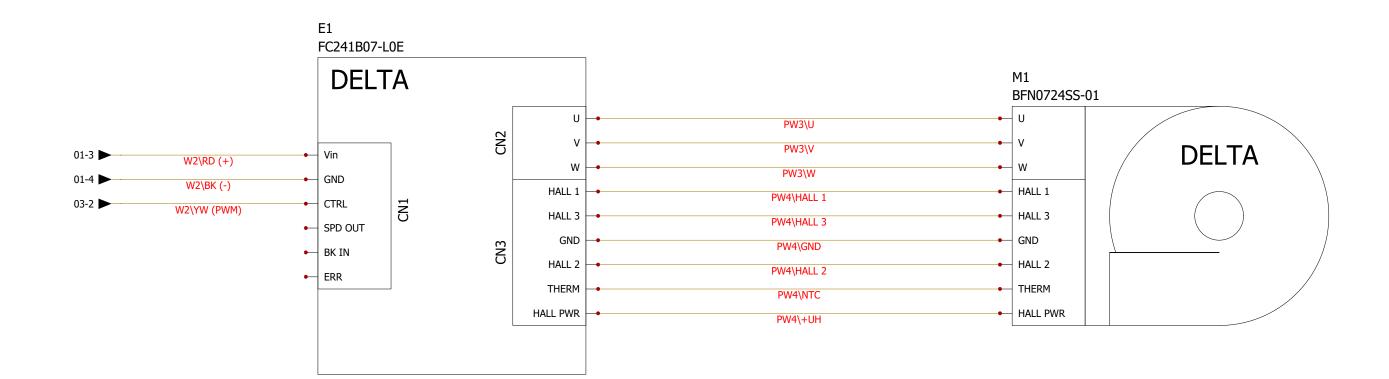
ATOR Labs
7506 Holley Cir
Panama City Beach, FL 32408



Wiring Line Diagram

REVISION	NAME	DATE	REV.
Α	J. Dickon	5/4/2022	Α
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SCHEME			
01 OF 12			





ATOR Labs 7506 Holley Cir Panama City Beach, FL 32408



Control

REV.	DATE	NAME	REVISION
Α	5/4/2022	J. Dickon	Α
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			SCHEME
			02 OF 12

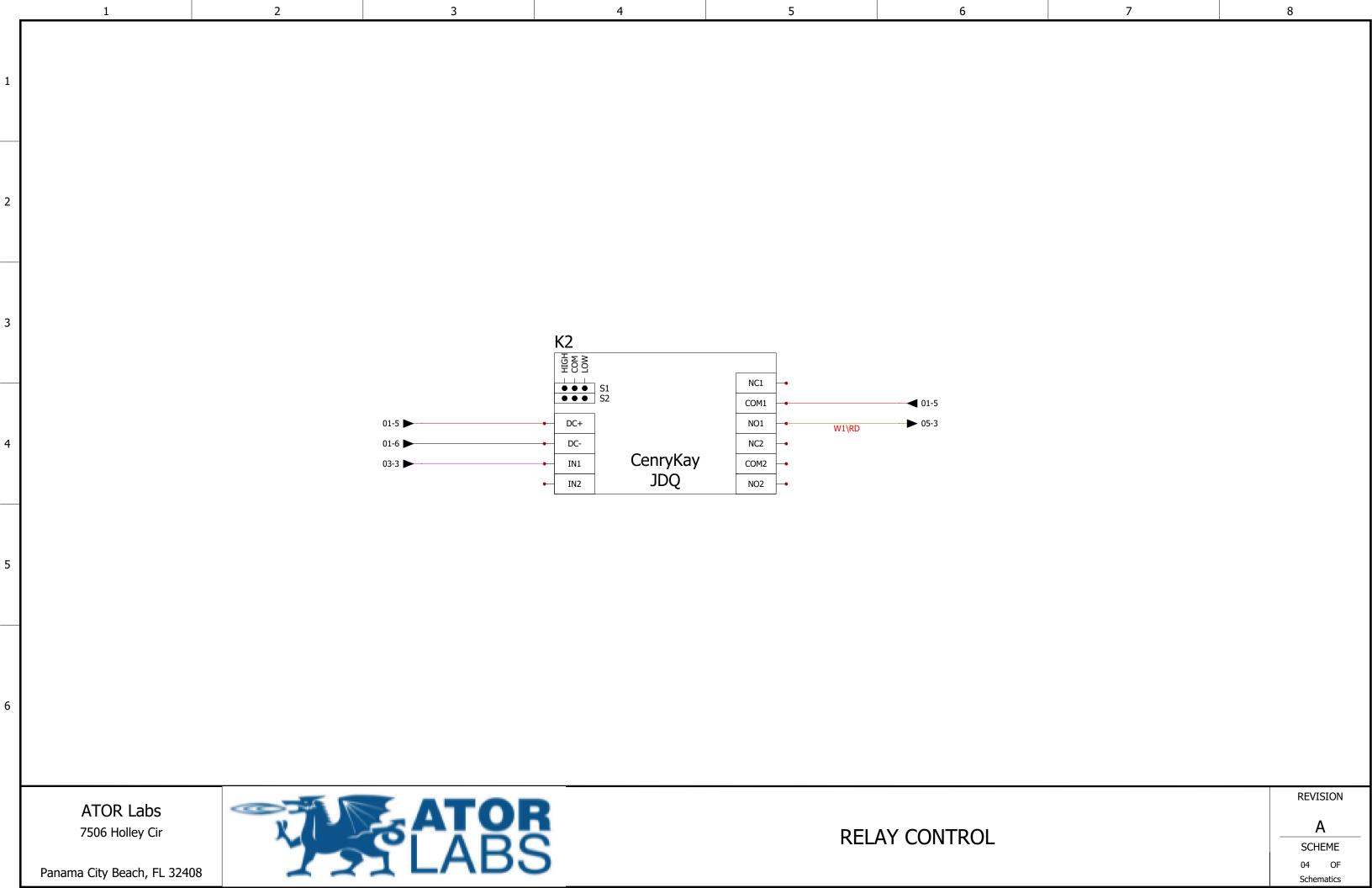
BREAKOUT BOARD W/TERMINALS, TEENSY 3.5/3.6 N1 TEENSY35 GND 01-6 Vin ANALOG GND **1**01-5 W3\WH (TXD) FLOWMETER COMMS 3.3V W3\GN (RXD) BOARD 02-3 🗲 23 MOTOR SPD CNTRL 22 21 20 DEVELOPMENT 19 BU H2 18 RELAY 1 TRIGGER 04-4 17 16 15 14 13 3.3V 3.5 GND DAC1 DAC0 TEENSY 39 38 37 36 35 34 32 33

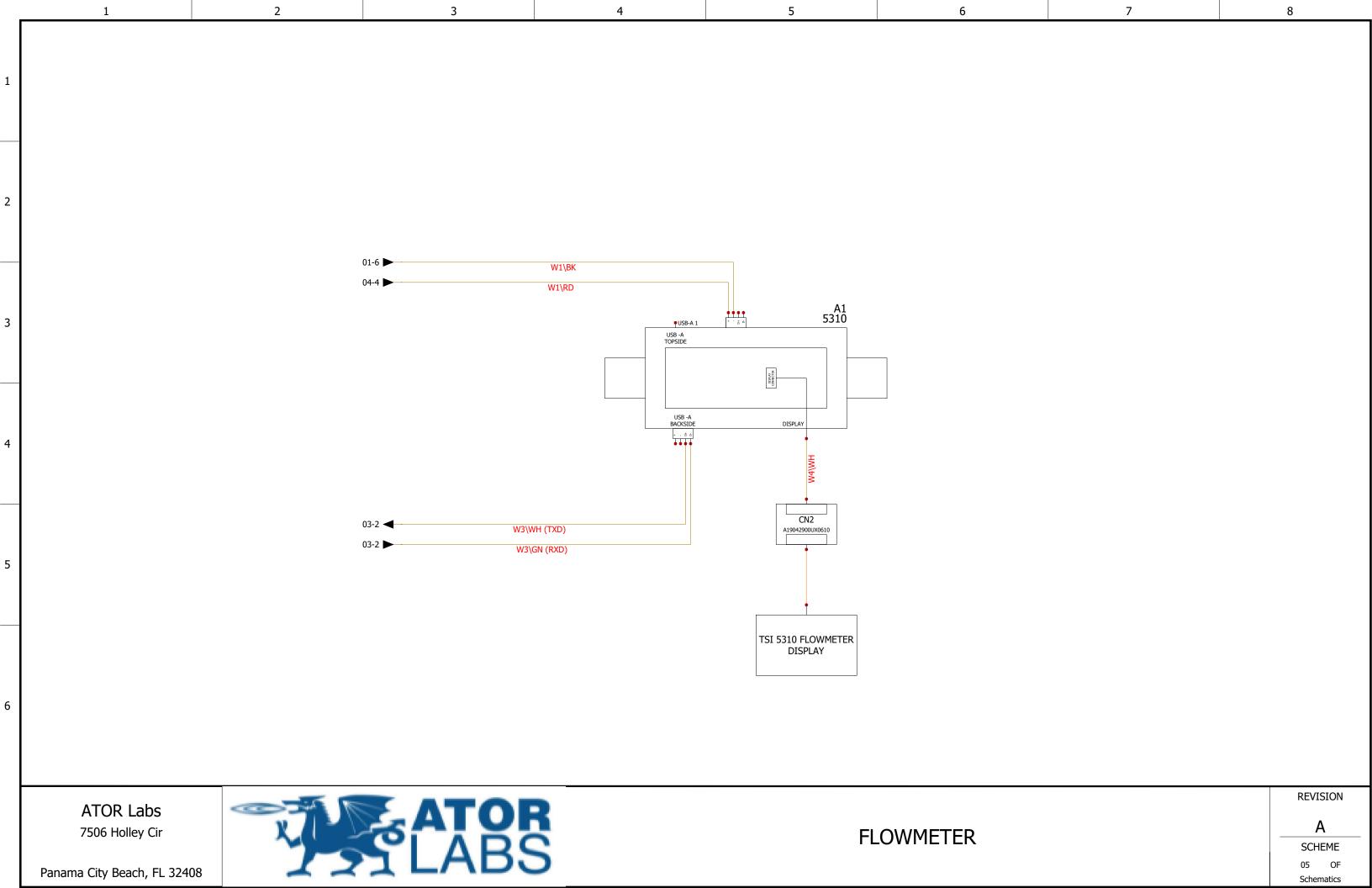
ATOR Labs 7506 Holley Cir Panama City Beach, FL 32408



MCU

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Α	5/4/2022	J. Dickon	Α
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	_		3	3	ŭ	,	
attery	Space						
	Reference	Mark	Description			Qı	uantity
1	CU-J294	<u>G2</u>	BATTERY PACK, 25.6VDC, 3AH			1	
enryKa	ı y						
	Reference	Mark	Description			Qı	uantity
1	JDQ	<u>K2</u>	CONTROL RELAY-2 CHANNEL			1	
DELTA							
	Reference	Mark	Description			Qı	uantity
1	BFN0724SS-01	<u>M1</u>	MOTOR, BFN SERIES BLOWER FAN			1	
2	FC241B07-L0E	<u>E1</u>	DRIVER, BFN SERIES BLOWER FAN			1	
EDGELE			Description				
	Reference	Mark	Description			Qı	uantity
	B07NPR215H	<u>H2</u>	LED, BLUE, 3MM, 12V			1	
2	B07PXYYB56	<u>H1</u>	LED, GREEN, 3MM, 12V			1	
	ΓER-CARR						
1CMAS			Description			O	uantity
1CMAS ⁻	Reference	Mark					
	Reference 7395K110	Mark <u>S1</u>	SWITCH, ROCKER, 2 POSITION			1	
	7395K110						
1	7395K110					1	uantity

ATOR Labs 7506 Holley Cir

Panama City Beach, FL 32408

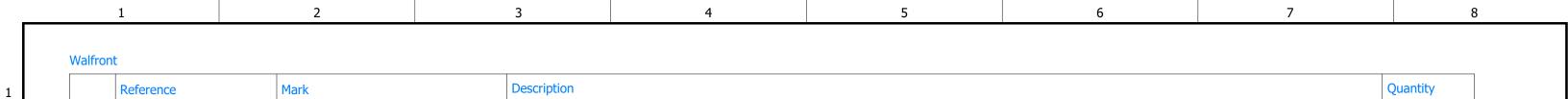


Bill Of Materials grouped by manufacturer

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06 OF
Reports

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OONO					
	Reference	Mark	Description	Q	uantity
1	B08R7QZLC9	<u>A2</u>	BREAKOUT BOARD W/TERMINAL	LS, TEENSY 3.5/3.6 1	
			<u>'</u>		
RC	T				
	Reference	Mark	Description	Q	uantity
1	TEENSY35	<u>N1</u>	TEENSY 3.5 DEVELOPMENT BOA	ARD 1	
OFOW	/IN				
	Reference	Mark	Description	Q	uantity
1	B08P5PJBCM	CN1	CONNECTOR, BARREL, 5.5x2.1M	1M, W/PIGTAIL	
			<u>'</u>		
BSUN	V				
	Reference	Mark	Description	Q	uantity
1	EA15-5V	<u>G4</u>	CONVERTER, DC/DC, 5V	1	
RACO	POWER Reference	Mark	Description	Q	uantity
1	TMDC 60-2415	<u>G3</u>	CONVERTER, DC/DC, 24V, 2.5A		
SI					
	Reference	Mark	Description	Q	uantity
1	5310	<u>A1</u>	FLOWMETER, HIGH FLOW, 5310), TSI	
XCELL					
	Reference	Mark	Description	Q	uantity
1	A19042900UX0610	CN2	CONNECTOR, EXTENSION, 36PIN	N TO 36PIN, FFC/FPC, 0.5MM PITCH	
			·	·	
ΔΤ	OR Labs		ATOD		RI
	16 Holley Cir	X.	ATOR	Bill Of Materials grouped by manufacturer	
		1	TABS	bill of Flaterials grouped by Hariaracturer	S
na Ci	ty Beach, FL 32408	4 7 7			

Panama City Beach, FL 32408



WARMSTOR

2

5

6

1 B07B48CW3Y

<u>K1</u>

	Reference	Mark	Description	Quantity
1	B073GTBQ8V	<u>A1</u>	USB 3.0, ADAPTER, 90DEG	1

BATTERY SWITCHING MODULE

ATOR Labs 7506 Holley Cir

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Bill Of Materials grouped by manufacturer

REVISION SCHEME Reports

Mark	Description	Location path	From location	To location	Length (m)	Reference	Manufacturer
PW1	CONNECTOR, BARREL, 5.5x2.1MM, B08P5PJBCM, PRE-TERM WIRE	<>				0 B08P5PJBCM-WIRE (PRE-TERMINATED)	QOFOWIN
PW2	BATTERY PACK, 25.6V, 3.2AH, LIFEPO4, PRE-TERM WIRE	CASE<>CASE	CASE - Main Location	CASE - Main Location		0 CU-J294-WIRE (PRE-TERMINATED)	BATTERYSPACE.COM
W1	CABLE, USB-C 90DEG TO USB-A STR	CASE<>CASE	CASE - Main Location	CASE - Main Location		0 B07VJNQT6F	UGREEN
PW3	POWER CABLE PRE-CONNECTED TO MOTOR	<>				0 BFN0724SS-01 PWR	DELTA
W2	CABLE, FC241B07-L0E CONTROL, CONNECTOR TO OPEN	CASE<>CASE	CASE - Main Location	CASE - Main Location		0 FC241B07-L0E_CONTROL	DELTA
W3	CABLE, USB TO TTL, 3.3V	CASE<>CASE	CASE - Main Location	CASE - Main Location		0 B07RBKCW3S	DTECH
PW4	CONTROL CABLE PRE-CONNECTED TO MOTOR	<>				0 BFN0724SS-01 CONTROL	DELTA
W4	CABLE, RIBBON, FLAT, 36PIN, 0.5MM PITCH	CASE<>CASE	CASE - Main Location	CASE - Main Location		150 A19041700UX0542	UXCELL

ATOR Labs 7506 Holley Cir

Panama City Beach, FL 32408



3

List of the cables

REVISION

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SCHEME
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