

20230802

101	<b>DAQ assembly</b>									
102	15V AC/DC Adapter	15V DC Power supply	Cui-Inc	SD150-15-U-P5	Digikey 102-3797-ND		\$23.40	1	<a href="https://www.digikey.com/product-deta">https://www.digikey.com/product-deta</a>	
103	Enclosure for DAQ, clear lid, gasket, plate		Hammond	1554X2GYCL	Mouser	11.81x7.87x3.54 inches	Mouser: \$47.81	1	<a href="https://www.hamfmg.com/electronics/">https://www.hamfmg.com/electronics/</a>	
104	metal plate for DAQ enclosure	for enclosure 15"	Hammond	1554XPL	Mouser	11.2" x 7.28 x 0.06"	Mouser: \$9.16	1	<a href="https://www.hamfmg.com/files/parts/">https://www.hamfmg.com/files/parts/</a>	
105	Barrel Plug (Power) Jack to Wire Leads 2.1 ID 5.5 OD		Tensility Internal	10-02878	Digikey 839-1448-ND		\$5.17	1	<a href="https://www.digikey.com/product-deta">https://www.digikey.com/product-deta</a>	
106	Washer 7/16" for barrel plug power jack				Home-Depot	7/16" washer hole		1		
107	Electrical safety sticker 0.98"		Weidmüller	0.98 1700530001	Amazon B09BZ7G63V	0.98"	\$6.95 (qty 10)		<a href="https://www.amazon.com/Weidm%C3">https://www.amazon.com/Weidm%C3</a>	
108	FUSE, GLASS 3.5A 125VAC 5X20MM	fast blow	Bel Fuse Inc.	5MF 3.5-R	Digikey 507-1267-ND	5mm x 20mm		1	<a href="https://www.digikey.com/en/products">https://www.digikey.com/en/products</a>	
109	Fuse Holder 16 A 400V 1 Circuit Cartridge Pan	Fuse Size 5mm x 20mm	SCHURTER Inc.	3101.0015	Digikey 486-1154-ND		\$4.02	1	<a href="https://www.digikey.com/en/products">https://www.digikey.com/en/products</a>	
110	Cheaper option: Power Terminal Block (GKEEMARS) Wire Connectors 1 in 5 Out	24-12 AWG	for power distrib	GKEEMARS	Amazon B09VSYG3H5(5 wire)		\$14.98 (qty 10)	2	<a href="https://www.amazon.com/gp/product">https://www.amazon.com/gp/product</a>	
111	Screws and nuts for GKEEMARS power distribution terminal blocks	M2.5 x 12 mm 3mm < head < 4.2mm						4		
112	Best option: Power Terminal Block Distribution Module 2x6 position	30Amp 48V	CZH-LABS, OONO	D-1459	Amazon B09D38V22M	57 x 38 x 26.6 mm	\$12.99	1	<a href="https://www.amazon.com/OONO-Posit">https://www.amazon.com/OONO-Posit</a>	
113	Screws and nuts for CZH-LABS power distribution terminal block	M3 x 16 mm screws (4) with 8 nuts						4		
114	Female socket terminal block wire connector to connect to DAQ FE PCB terminal block	TERM BLOCK PLUG 5POS STR 2.5MM	"Female socket"	Phoenix Contact	1881354	Digikey 277-1433-ND	\$7.87	1	<a href="https://www.digikey.com/en/products">https://www.digikey.com/en/products</a>	
115	Mounting Bases, to tie wrap down wires	0.78" square	Black	HUASU		Amazon B09PDQNK CZ	\$9.99 (qty 100)		<a href="https://www.amazon.com/H5-Mounts-">https://www.amazon.com/H5-Mounts-</a>	
116	Jumper wires, Male/Male - pack of 20 x 12"			\$3.95	Adafruit	Mouser 485-1955	\$3.95 qty 20	14 wires	<a href="https://www.mouser.com/ProductDeta">https://www.mouser.com/ProductDeta</a>	
117	2 Conductor 1m, Black, Red, for DAQ power wiring (cut into pieces)	22 AWG	Tensility Internat	30-00417	Digikey T1307-1-ND		\$2.02	2	<a href="https://www.digikey.com/en/products">https://www.digikey.com/en/products</a>	
118	Standoff hex 2-56 Aluminum 1.563" (4 cm) to elevate Rasp Pi	threaded	female-female	RAF Electronic Hardware	2074-256-AL	Digikey 1772-2074-256-AL-ND	\$2.58 (qty 1)	4	<a href="https://www.digikey.com/en/products">https://www.digikey.com/en/products</a> <a href="https://www.digikey.com/en/products">AL/11486722?s=N4lgTCBcDailwHYFGLF</a>	
119	Stand-offs 0.563", 2-56, for Arduino, LM317s, DAQ FE	Nylon, Hex threaded	female-female	Essentra Compon	14HTSP113	Digi-key 145-14HTSP113-0.563" (14.29 mm)	\$0.68	12	<a href="https://www.digikey.com/en/products">https://www.digikey.com/en/products</a>	
120	Stand-offs 2cm, 2-56, for perfboard							4		
121	screw for stand-offs, Arduino & Pi, Nylon, 2-56	BINDER SLOTTED SH	Head diameter 0.	Essentra Compon	010256B018	Digi-key RPC7500-ND	\$0.10	40	<a href="https://www.digikey.com/en/products">https://www.digikey.com/en/products</a>	
122	Can get bulk: Standoffs kit 450PCS M2.5 Nylon, Hex	male-female, female-female		MCMASKE-Yontai feng	HTM25P450B	Amazon B0B5LTQXX8	\$13.99		<a href="https://www.amazon.com/dp/B0B5LTC">https://www.amazon.com/dp/B0B5LTC</a>	

