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								REVISION HISTORY			
ZONE		REV		DESCRIPTION		DATE		APPROVED			
-		-		INITIAL RELEASE		01 AUG 2022		PAR			
REF		MANUFACTURER		SUPPLIER		PRICE (USD)					
ITEM	DESG	NAME	PART NUMBER	NAME	PART NUMBER	QTY	UM	UNIT	TOTAL	DESCRIPTION	
1	A1	BUD INDUSTRY	CU-789	DIGIKEY	377-1938-ND	1	EA	\$4.10	\$4.10	BOX, ABS, 3.047 L x 2.047 x X 0.9 H INCHES, BLACK, WITH COVER AND HARDWARE	
2	P1,W1	<PROPRIETARY>	<PROPRIETARY>	RED DEVIL RIVER	GM-ALDL-12-BARE	1	EA	\$7.00	\$7.00	CONNECTOR/CABLE, GM ALDL, 12 PIN, MALE, FULLY WIRED, BARE	
3	P2,W2	ASSMANN	AK67321-1	DIGIKEY	AE10417-ND	1	EA	\$4.44	\$4.44	CABLE, USB 2, TYPE A MALE TO TYPE A MICRO MALE, 1 METER, DATA/POWER, SHIELDED, BLACK	
4	A1A1	ADAFRUIT	3500	DIGIKEY	1528-2361-ND	1	EA	\$8.95	\$8.95	BOARD, MICROCONTROLLER, ADAFRUIT TRINKET M0, ATSAMD21E18, 3.3V	
5	A1A2	DFROBOT	FIT0099	DIGIKEY	1738-1000-ND	1	EA	\$1.50	\$1.50	PROTOBOARD, 3.08 L x 2.28 W INCHES, 100 MIL GRID, PLATED THROUGH HOLE, MATRIX PATTERN	
6	A1TJ1	CINCH/JOHNSON	108-0902-001	DIGIKEY	J151-ND	1	EA	\$1.19	\$1.19	JACK, TEST, FEMALE, BANANNA, STANDARD, RED	
7	A1F1	LITTLEFUSE	0297020.WXNV	DIGIKEY	F993-ND	1	EA	\$0.29	\$0.29	FUSE, MINI BLADE, ATO, 20A, 32V	
8	F1	LITTLEFUSE	0297002.WXNV	DIGIKEY	F986-ND	1	EA	\$0.29	\$0.29	FUSE, MINI BLADE, ATO, 2A, 32V	
9	Q1	ST MICRO	BD239C	DIGIKEY	497-12138-ND	1	EA	\$0.56	\$0.56	TRANSISTOR, NPN, GENERAL PURPOSE, IC=2A, VCE=100V	
10	CR1, CR2	NEXPERIA	NZX3V3A,133	DIGIKEY	1727-4743-1-ND	2	EA	\$0.22	\$0.44	DIODE, ZENER, 3.2V, 500mA, AXIAL	
11	R1,R2	TE CONNECTIVE	CFR16J1K0	DIGIKEY	A104669CT-ND	2	EA	\$0.10	\$0.20	RESISTOR, 1K OHM, 0.25W, 5%, AXIAL	
12	R3	TE CONNECTIVE	CFR16J270R	DIGIKEY	A129435CT-ND	1	EA	\$0.10	\$0.10	RESISTOR, 260 OHM, 0.25W, 5%, AXIAL	
13		ADAM TECH	PH1-10-UA	DIGIKEY	2057-PH1-10-UA-ND	1	EA	\$0.18	\$0.18	PIN, HEADER, MALE, STRIP, 0.100 INCH PITCH, 10 PIN	
14		STAPLES	604	STAPLES	604	1	SH	\$7.99	\$0.02	PAPER, PRINTER, 8.5 x 11 INCH, A1 SIZE, 500 SHEET REAM	
15		<ANY>	<ANY>	<ANY>	<ANY>	1	AR	\$0.05	\$0.05	INK, FOR PAPER, COMPATIABLE WITH PRINTER USED	
16		TE CONNECTIVE	55PC0111-22-9	DIGIKEY	A132397-01-ND	0	FT	\$0.62	\$0.00	USE WIRES ENDS FROM W1 [WIRE, 22 AWG, Cu, STRANDED, ETFE JACKET, WHITE, 1 FOOT]	
17		TENSILITY	30-02104	DIGIKEY	839-30-02104-1-ND	1	M	\$1.19	\$1.19	WIRE, 26 AWG, Cu, SOLID, mPPE JACKET, WHITE, 1 METER	
18		TE CONNECTIVE	55A0111-16-9	DIGIKEY	A132383-01-ND	1	FT	\$1.05	\$1.05	WIRE, 16 AWG, Cu, STRANDED, PVC JACKET, WHITE, 1 FOOT	
19		ARROW	MG24-4	HOME DEPOT	SKU: 1003112860	1	SK	\$5.47	\$0.23	GLUE, HOT, STICK, FOR STANDARD GLUE GUN, 24 STICK PACK	
20		CHIP QUICK	RASWLF.020 1OZ	DIGIKEY	RASWLF.0201OZ-ND	2	G	\$7.48	\$0.53	SOLDER, ROSIN CORE, 24 AWG, Sn 96.5%/Ag 3%, 1 OZ	
21		XYAXIS	008-00001-101	PAUL ROMSKY	008-00001-101	1	REF	\$0.00	\$0.00	ASSEMBLY, ADAPTER, FIERO GT ALDL 160 BAUD, ADAFRUIT TRINEKT M0	
22		XYAXIS	008-00001-201	PAUL ROMSKY	008-00001-201	1	REF	\$0.00	\$0.00	PARTS LIST, ADAPTER, FIERO GT ALDL 160 BAUD, ADAFRUIT TRINEKT M0 (THIS DOCUMENT)	
23		XYAXIS	008-00001-301	PAUL ROMSKY	008-00001-301	1	REF	\$0.00	\$0.00	SCHEMATIC, ADAPTER, FIERO GT ALDL 160 BAUD, ADAFRUIT TRINEKT M0	
24		XYAXIS	008-00001-901	PAUL ROMSKY	008-00001-901	1	SW	\$0.00	\$0.00	SOFTWARE, SOURCE CODE, C/C++, ARDUINO IDE, FIERO GT ALDL ADAPTER, ADAFRUIT TRINEKT M0	
								GRAND TOTAL		\$32.31 (USD)	
** DENOTES: PREFIX REFERENCE DESIGNATORS WITH A1A2											
USD = UNITED STATES DOLLAR											
UNITS OF MESURE (UM) : AR = AS REQUIRED CUT = CUT EA = EACH FT = FOOT G = GRAM IN = INCH M = METER OZ = OUNCE PC = PIECES PK = PACK REF = REFERENCE RL = ROLL SH = SHEET SK = STICK SP = SPOOL SW = SOFTWARE											
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS .X ± .1 .XX ± .01 .XXX ± .001 .XXXX ± .0001		ASSY A1		DRAWING 008-00001-101		APPROVALS DRAWN P. ROMSKY CHECKED P. ROMSKY APPROVED P. ROMSKY		DATE 01 AUG 2022 01 AUG 2022 01 AUG 2022	
		THIRD ANGLE PROJECTIONS									