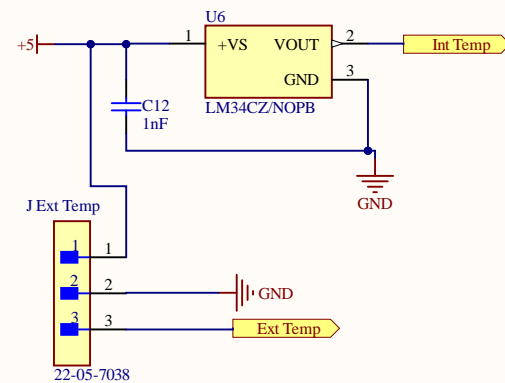
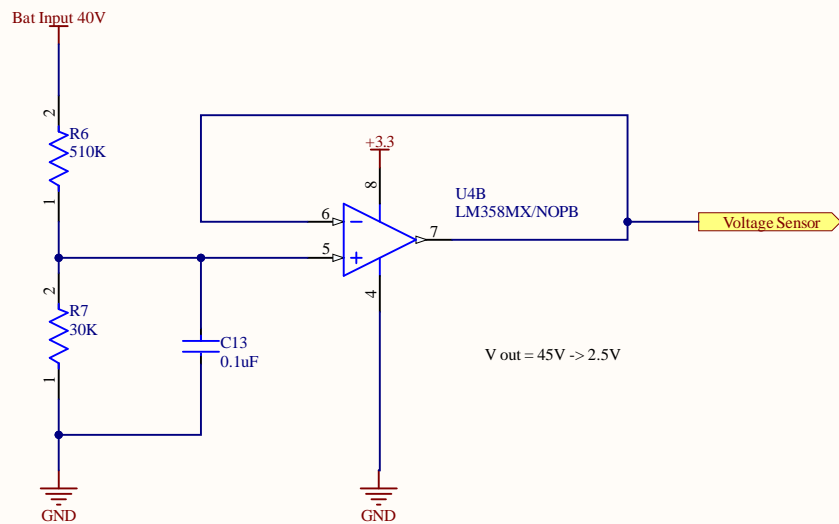
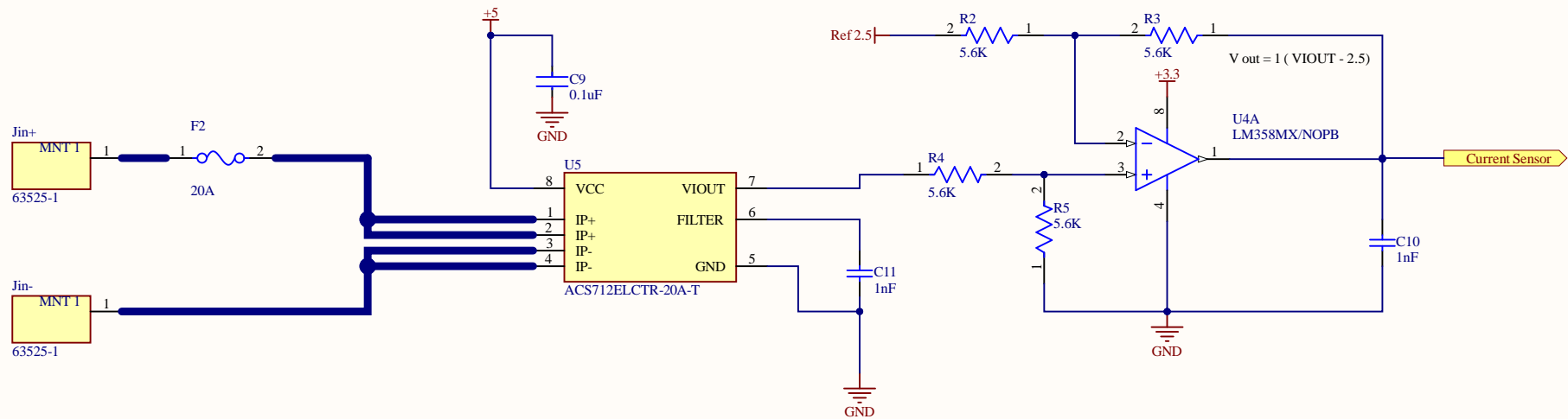
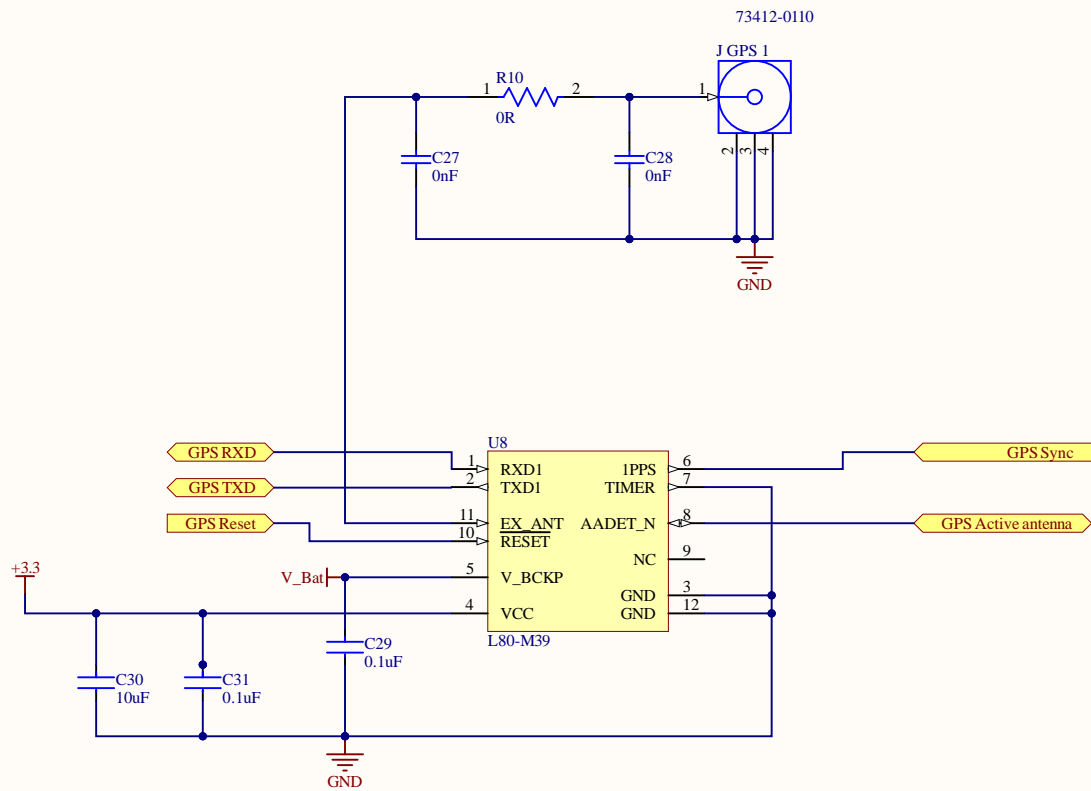


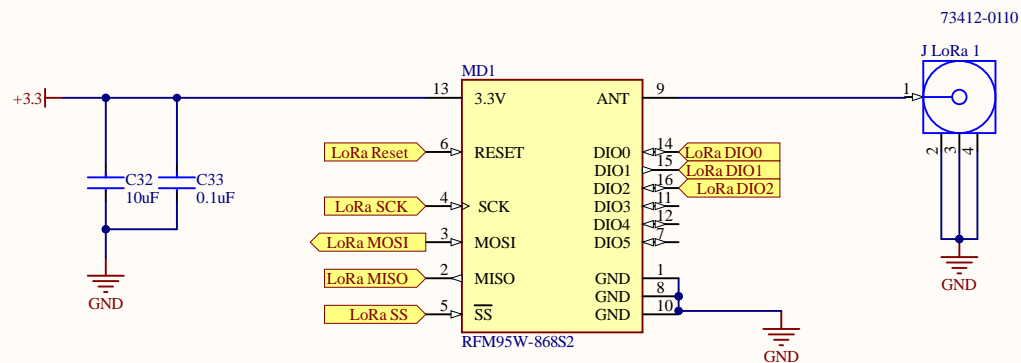
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Size	Number	Revision 1
A4		
Date:	5/22/2022	Sheet of 1 of 7
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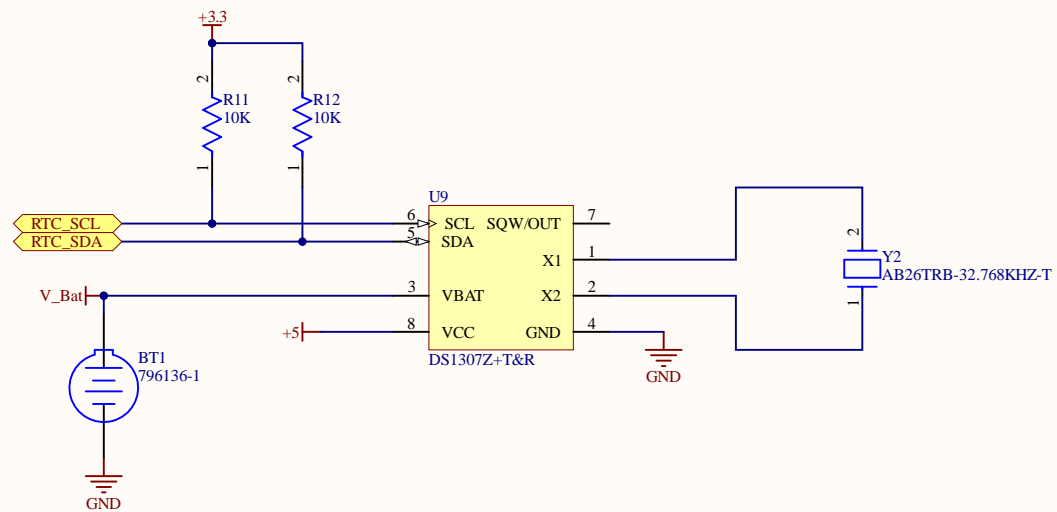
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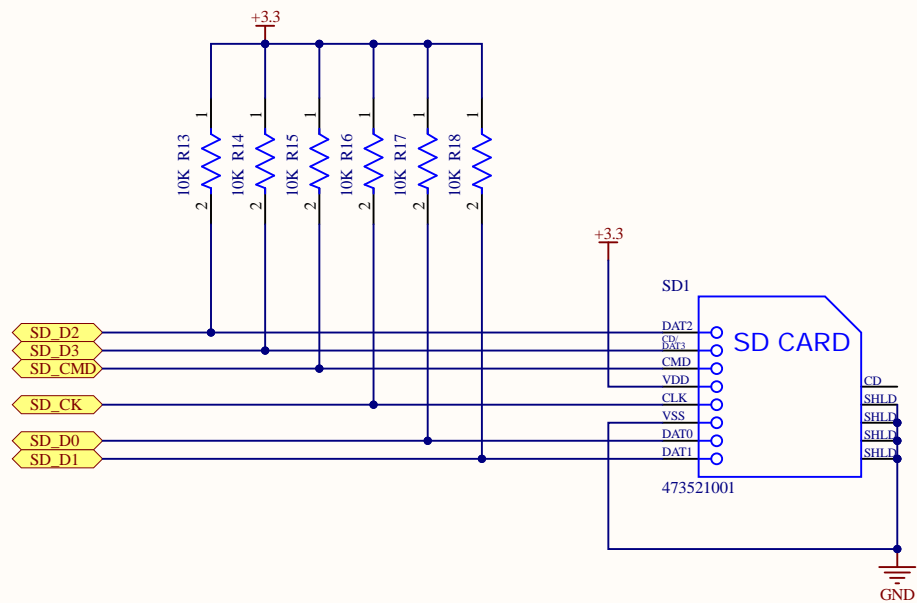
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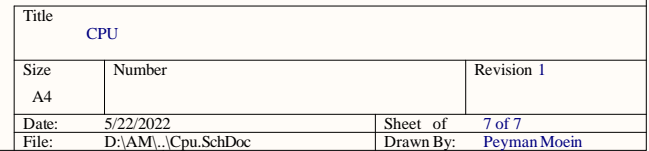
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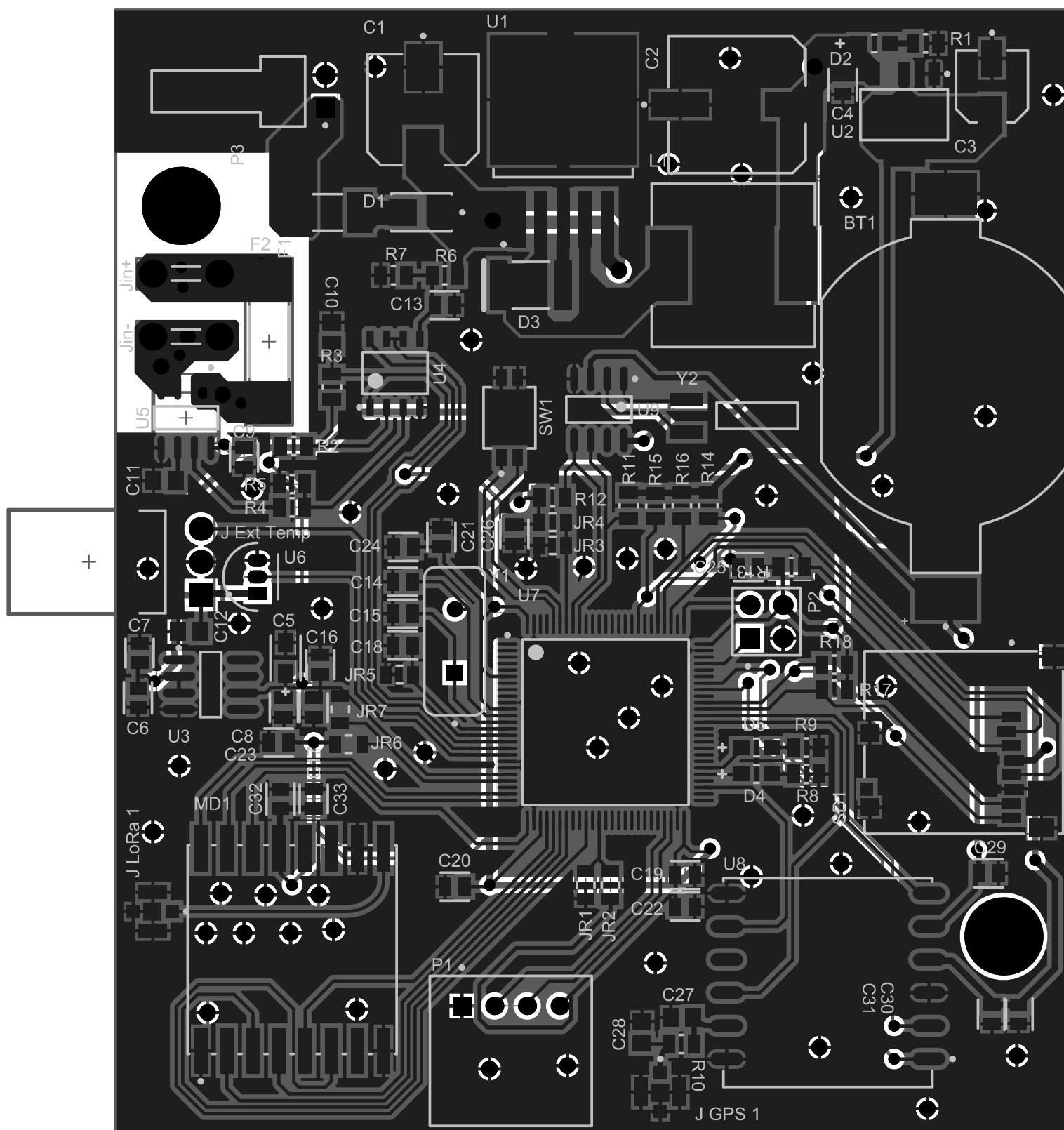


Title RTC		
Size A4	Number	Revision 1
Date:	5/22/2022	Sheet of 5 of 7
File:	D:\AM\RealTime.SchDoc	Drawn By: Peyman Moein



Title SD emory		
Size A4	Number	Revision 1
Date:	5/22/2022	Sheet of 6 of 7
File:	D:\AM\...\SD.SchDoc	Drawn By: Peyman Moein







Comment	Description	Designator	Coopprint	Subst	Quantity
7W6136-1	Battery Connector, 1 Cell, CR2032, 2 Pin SMD, ReelS, Tape and Reel	B01	TECO-7W6136-1_V	CMP-1684-00006-2	1
1000uf	CAP ALUM 1000UF 20% 50V SMD	C1	FP-LW11H101MNLX05- MFG	CMP-2000-07373-2	1
1000uf	CAP ALUMPOPT 1000UF 20% 16V SMD	C2	FP-SVVF-F12-MFG	CMP-05427-000075-1	1
100uf	CAP ALUM 100UF 20% 10V SMD	C3	FP-SC-MFG	CMP-05427-000047-1	1
10uf	Chip Multilayer Ceramic Capacitors for General Purpose 885, 10uF, X5R, 15%, 10%, 16V	C4, C6, C30, C32	FP-GRM218-B-1- PFC_C	CMP-2007-03453-2	4
1uf	CAP TANT 1UF 10%, 18V 1206	C5	FP-1491A105010A7- MFG	CMP-2000-07186-2	1
0.1uf	CAP CER 0.1UF 50V X7R 0805	C7, C8, C9, C11, C15, C20, C21, C22, C23, C29, C31, C33	FP-C0805C-DN-MFG	CMP-2007-00279-2	12
1nf	CAP CER 0.1UF 50V X7R 0805	C10, C11, C12	CAPC2013X70R450R1 0725	CMP-2007-00866-1	3
10pf	CAP CER 0.1UF 50V X7R 0805	C14, C15	FP-C0805C-DN-MFG	CMP-2007-00279-2	2
10nf	CAP CER 0.1UF 50V X7R 0805	C16, C25	FP-C0805C-DN-MFG	CMP-2007-00279-2	2
1uf	CAP CER 0.1UF 50V X7R 0805	C17, C26	FP-C0805C-DN-MFG	CMP-2007-00279-2	2
100nf	CAP CER 0.1UF 50V X7R 0805	C18	FP-C0805C-DN-MFG	CMP-2007-00279-2	1
4.7uf	CAP CER 0.1UF 50V X7R 0805	C24	FP-C0805C-DN-MFG	CMP-2007-00279-2	1
0.01		C27, C28	CAPC2013X70R450R1 0725	CMP-2007-00866-1	2
TH4007 SMD	Resistor, 1W, 1A, 0.4 214k, Reel	D1	FP-TH4007_SMD- PFC_L	CMP-12389-00000-1	1
APT2012MCC	Compliment, Yes LED DRIVER CLEAR SMD	D2, D4, D5	FP-APT2012MCC- MFG	CMP-44529-000071-1	3
W582ZUS	Schottky Barrier Rectifier, 1A, 0.4V, 45 to 150 degC, 2 Pin MIL (D-SB), Bulk	D3	MC3M-D-SB-2_L	CMP-2000-07610-1	1
1.5A	1.5A BOARD MNT 1.5A 350VAC 220VAC	F1	FP-06798-MFG	CMP-16042-000005-1	1
20A	FUSE BOARD MNT 20A 125VAC 1000VDC	F2	FP-0456-MFG	CMP-08605-000048-1	1
22.05-7038	CONN HEADER 8x4 0.50, 2.54MM	[Ext Temp]	FP-22-05-7038-MFG	CMP-04776-000076-1	1
73412-0110	MCPS-PBS Vertical Jack Receptacle, 50 Ohm, 4-Pin SMD, ReelS, Tape and Reel	GPIO S, J1toB4	MOLEX-73412-0110_V	CMP-1676-00003-1	2
03525-1	CONN QC TAB 0.187 501K40	Jin+, Jin+	FP-03525-1-MFG	CMP-03255-000079-1	2
JP	RES-D CHRA JUMPER 100W/0805	J01, J02, J03, J04, J06, J07	FP-RACF0805-MFG	CMP-26527-000077-1	4
WC	RES-D CHRA JUMPER 100W/0805	J05	FP-RACF0805-MFG	CMP-26527-000077-1	1
100 uH	SMD Shrouded Power Inductor Ind. PCL 1-1 150 uH	J1	WE-PO-XL	CMP-0227-00206-1	1
RTM95W-8M52	85 100K MODULE CSM -15042 SMD	MD1	FP-RTM95W-8M52- MFG	CMP-204376-000001- 1	1
UART Interface Port		P1	RS154B-RH- AUS7250A_V	CMP-1755-00007-1	1
WFSW-102-07-G-D	CONN HEADER VERT 0.50x2.54MM	P2	FP-WFSW-102-07-G-D- MFG	CMP-02796-000070-1	1
Power in	Main Top Locking Header WR-WTB, Thru, Right Angled, pitch 2.54mm, 1x2, position	P3	6190219521	CMP-1502-00599-1	1
330R	RES Thick Film, 2942, 1%, 0.125W, 100ppm/C, 0805	R1, R8, R9	FP-CRCW0805-e3- MFG	CMP-02407-004193-1	3
5.6K	RES Thick Film, 2942, 1%, 0.125W, 100ppm/C, 0805	R2, R3, R4, R5	FP-CRCW0805-e3- MFG	CMP-02407-004193-1	4
510K	RES Thick Film, 2942, 1%, 0.125W, 100ppm/C, 0805	R6	FP-CRCW0805-e3- MFG	CMP-02407-004193-1	1
33K	RES Thick Film, 2942, 1%, 0.125W, 100ppm/C, 0805	R7	FP-CRCW0805-e3- MFG	CMP-02407-004193-1	1
0R	RES Thick Film, 2942, 1%, 0.125W, 100ppm/C, 0805	R10	FP-CRCW0805-e3- MFG	CMP-02407-004193-1	1
10K	RES Thick Film, 2942, 1%, 0.125W, 100ppm/C, 0805	R11, R12, R13, R14, R15, R16, R17, R18	FP-CRCW0805-e3- MFG	CMP-02407-004193-1	8
473521001	Micro-D38M, Pitch 1.1mm, 8 Position, Height 1.61mm, -30 to 85 degC, ReelS, Tape and Reel	SD1	MOLEX-473521001_V	CMP-2000-05848-1	1
AAH-2102	SWITCH SLIDE CAP SPST 250MA 30V	SW1	FP-AAH-2102-MFG	CMP-08827-000068-1	1
3A2576-5-04WU	IC REG BUCK SW 3A 100uA S	U1	FP-T0263-SLD-PL1-1- MFG	CMP-06325-000018-1	1
LM1117PM- 3.3/NOPB	800mA Low Dropout Linear Regulator, 4- pin SOT-223, Pin-Free	U2	DC10004A_N	CMP-0062-01637-4	1
REF190G52	Precision Micropower Low Dropout Voltage Reference, 2.5 V Output, 2.4 to 7.5 V Supply, Industrial, 8- pin SOIC (8-B), Tube	U3	ADI-R-8_M	CMP-0784-00133-1	1
LM358AM/NOPB	Low Power Dual- Operational Amplifier, 3 to 32 V, 0 to 70 degC, 8-Pin SOIC (3), Green (ReelS & no 30-B), Tape and Reel	U4	000084_L	CMP-2000-07568-1	1
ACS712ELCTR-20A-T	SENSOR CURRENT HALL 20A AC/DC	U5	FP-LC-8-IPC_C	CMP-0806-00001-2	1
LMH22/NOPB	SENSOR ANALOG- 49 238F T092_3	U6	FP-LP0003A-MFG	CMP-04948-000070-1	1
STM32103VET6T8	ARM Cortex-M3 32- bit MCU, 512KB Flash, 64KB Internal RAM, 80/10u, 100-pu, LOFF, -40 to 85 degC, Tape and Reel	U7	STM-L0FP100_L	CMP-02237-00166-3	1
UBO-M59	GPS Module L80 Hardware Design, 1575-42 MHz, 3 to 4.3 V, -40 to 85 degC, 12 Pin SMD, ReelS, Tape and Reel	U8	QURE-L80-M59-12_V	CMP-2000-05325-1	1
DS1307Z-T&R	RAM & Serial 10C Real Time Clock, 5.0V, 8- Pin SO, 0 to 70 degC, Pin-Free, Reel	U9	SB-2_L	CMP-0254-00205-1	1
8Mhz	Resonance Weld Thru Hole Crystal 8MHz, 20 to 70 degC, 2 Pin THD, ReelS, Bulk	V1	FOX-FOXSLF080-20	CMP-1749-00002-1	1
AB2618B-32-768KHz- 1	CRYSTAL 32.7680KHz 12.8PF 16	V2	FP-AB2618B-MFG	CMP-27762-000068-1	1