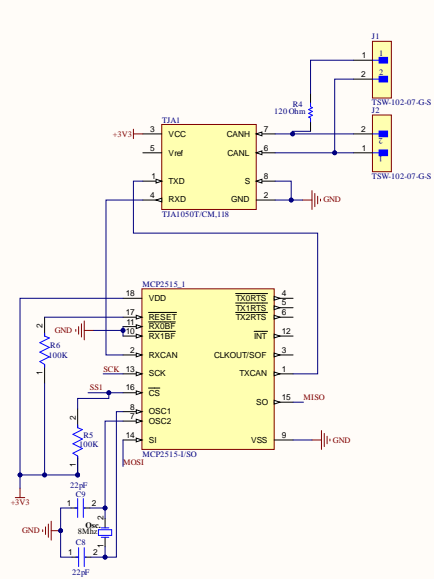
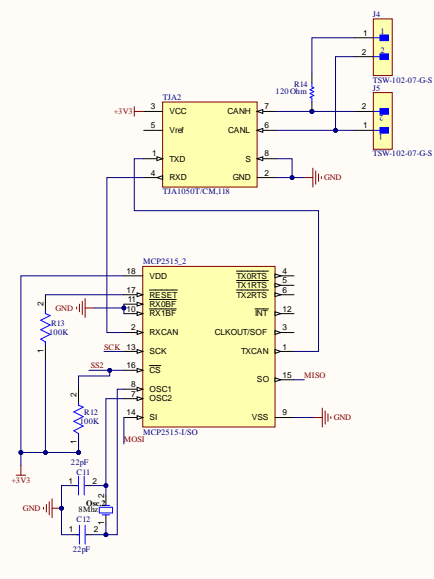


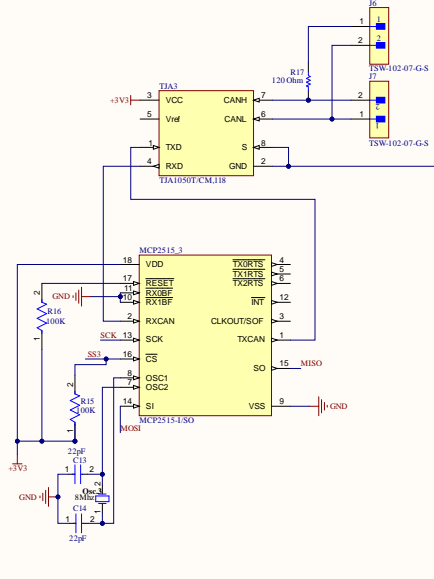
## CANBUS1



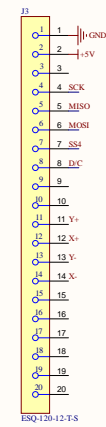
## CANBUS2



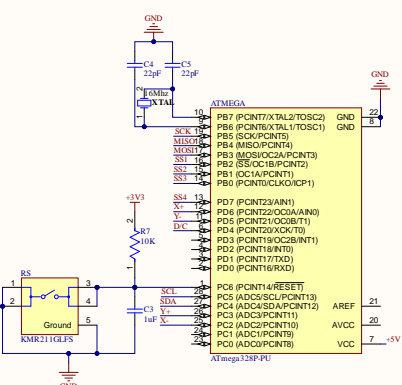
## CANBUS3



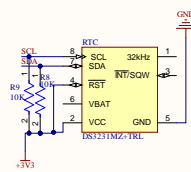
## LCD HEADER



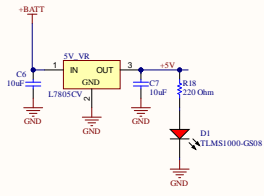
## MICROCONTROLLER



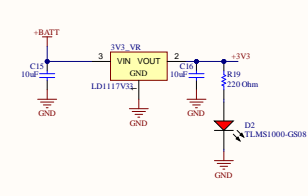
## RTC



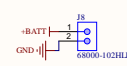
## 5V Voltage Regulator

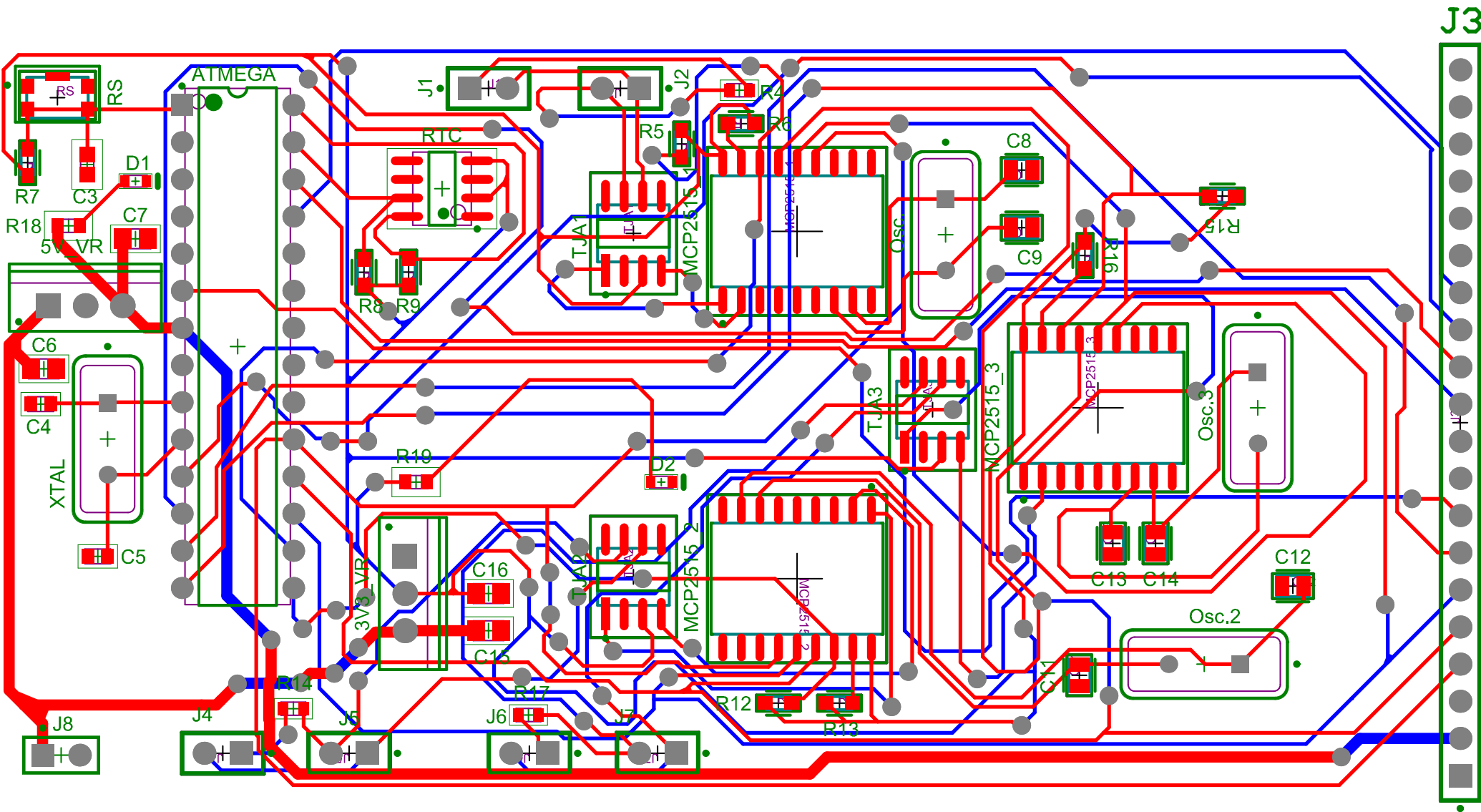


## 3V3 Voltage Regulator



## BATTERY HEADER





Comment	Description	Designator	Footprint	LibRef	Quantity
LD1117V33	Fixed Low Drop Positive Voltage Regulator, 3.3V, 3-Pin TO-220	3V3_VR	TO220	CMP-0244-00470-1	1
L7805CV	Positive Voltage Regulator, 5V, 3-Pin TO-220	5V_VR	TO220	CMP-0244-00483-1	1
ATmega328P-PU	8-bit AVR Microcontroller, 32KB Flash, 1KB EEPROM, 2KB SRAM, 28-pin PDIP, Industrial Grade (-40°C to 85°C)	ATMEGA	28P3	CMP-0095-00013-2	1
1uF	Chip Capacitor, 1 uF, +/- 10%, 50 V, -55 to 85 degC, 0603 (1608 Metric), RoHS, Tape and Reel	C3	CAPC1608X90X35ML10T25	CMP-2000-05447-1	1
22pF		C4, C5	CAPC1508X91X25NL25T13	CMP-2006-04643-1	2
10uF		C6, C7, C15, C16	CAPC2013X135X45NL10T25	CMP-2007-03463-1	4
22pF	CAP CER 22PF 50V 10% NPO 0805	C8, C9, C11, C12, C13, C14	FP-C0805C-DN-MFG	CMP-2007-00466-2	6
TLMS1000-GS08	Low Current LED, 40 mW, 1.8 V, -40 to 100 degC, 2-Pin SMD (0603), RoHS, Tape and Reel	D1, D2	VISH-TLMS1000_V	CMP-2000-07254-1	2
TSW-102-07-G-S	CONN HEADER VERT 2POS 2.54MM	J1, J2, J4, J5, J6, J7	FP-TSW-102-07-G-S-MFG	CMP-02766-000084-1	6
ESQ-120-12-T-S	CONN SOCKET 20POS 0.1 TIN PCB	J3	FP-ESQ-120-12-T-S-MFG	CMP-02766-000123-1	1
68000-102HLF	Male Header, Pitch 2.54 mm, 1 x 2 Position, Height 8.38 mm, Tail Length 2.41 mm, RoHS, Bulk	J8	AMPH-68000-102HLF_V	CMP-2000-05666-1	1
MCP2515-I/SO	IC CAN CONTROLLER W/SPI 18SOIC	MCP2515_1, MCP2515_2, MCP2515_3	FP-C04-051-MFG	CMP-0186-00133-3	3
8Mhz	Resistance Weld Thru Hole Crystal, 8 MHz, -20 to 70 degC, 2-Pin THD, RoHS, Bulk	Osc., Osc.2, Osc.3	FOX-FOXSLF080-20	CMP-1749-00002-1	3
120 Ohm	Chip Resistor, 120 Ohm, +/- 1%, 100 mW, -55 to 155 degC, 0603 (1608 Metric), RoHS, Tape and Reel	R4, R14, R17	RESC1608X55X25NL10T15	CMP-1659-00034-1	3
100K	RES SMD 100K 0.1% 1/16W 0603	R5, R6, R12, R13, R15, R16	FP-CPF0603-MFG	CMP-03211-008043-1	6
10K	RES SMD 10K 0.1% 1/16W 0603	R7, R8, R9	FP-CPF0603-MFG	CMP-03211-008304-1	3
220 Ohm	General Purpose Chip Resistors, 220 Ohm, +/- 1%, -55 to 155 degC, 0603 (1608 Metric), RoHS, Tape and Reel	R18, R19	RESC1608X55X25ML10T15	CMP-1659-00018-2	2
KMR211GLFS	SWITCH TACTILE SPST-NO 0.05A 32V	RS	FP-KMR211GLFS-MFG	CMP-10040-000023-1	1
DS3231MZ+TRL	+/-5ppm, MEMS based Real-Time Clock, I2C Interface, 8-Pin SO, -40 to 85 degC, Pb-Free, Reel	RTC	S8MK+1_N	CMP-0254-00004-2	1
TJA1050T/CM,118	IC TRANSCEIVER HALF 1/1 8SO	TJA1, TJA2, TJA3	FP-SOT96-1-IPC_A	CMP-2000-04923-2	3
16Mhz	Resistance Weld Thru Hole Crystal, 16 MHz, -20 to 70 degC, 2-Pin THD, RoHS, Bulk	XTAL	FOX-FOXSLF160-20	CMP-1749-00003-1	1