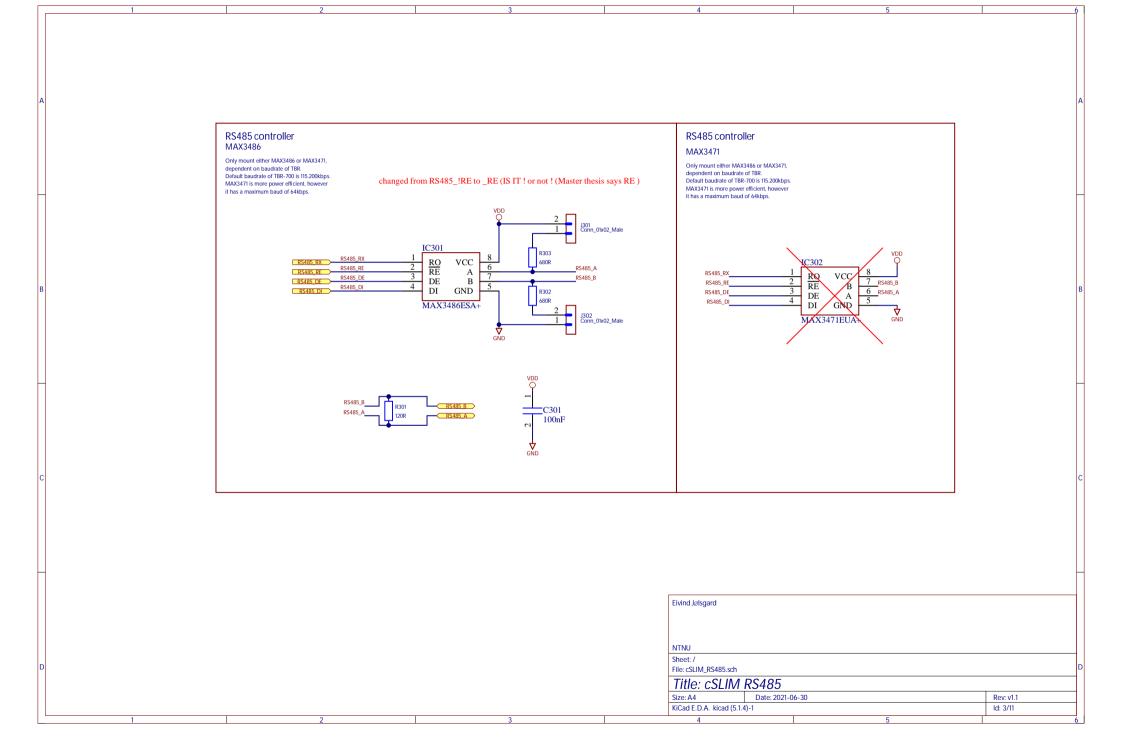
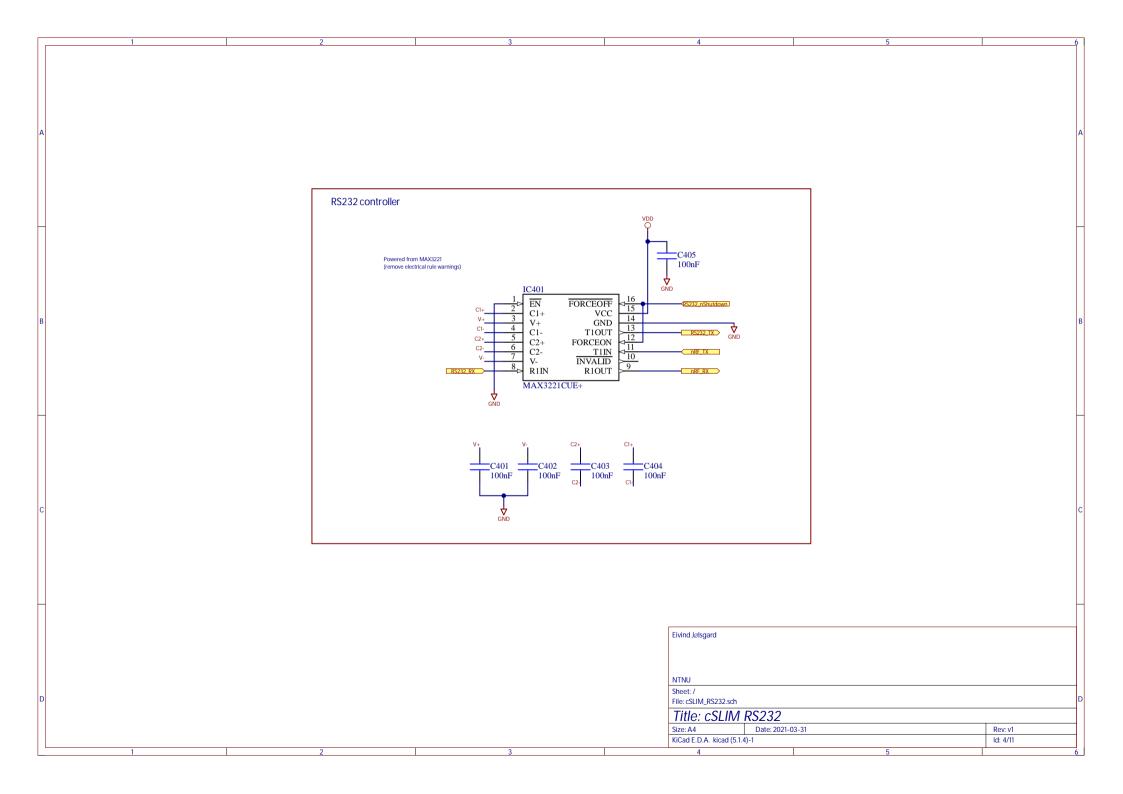
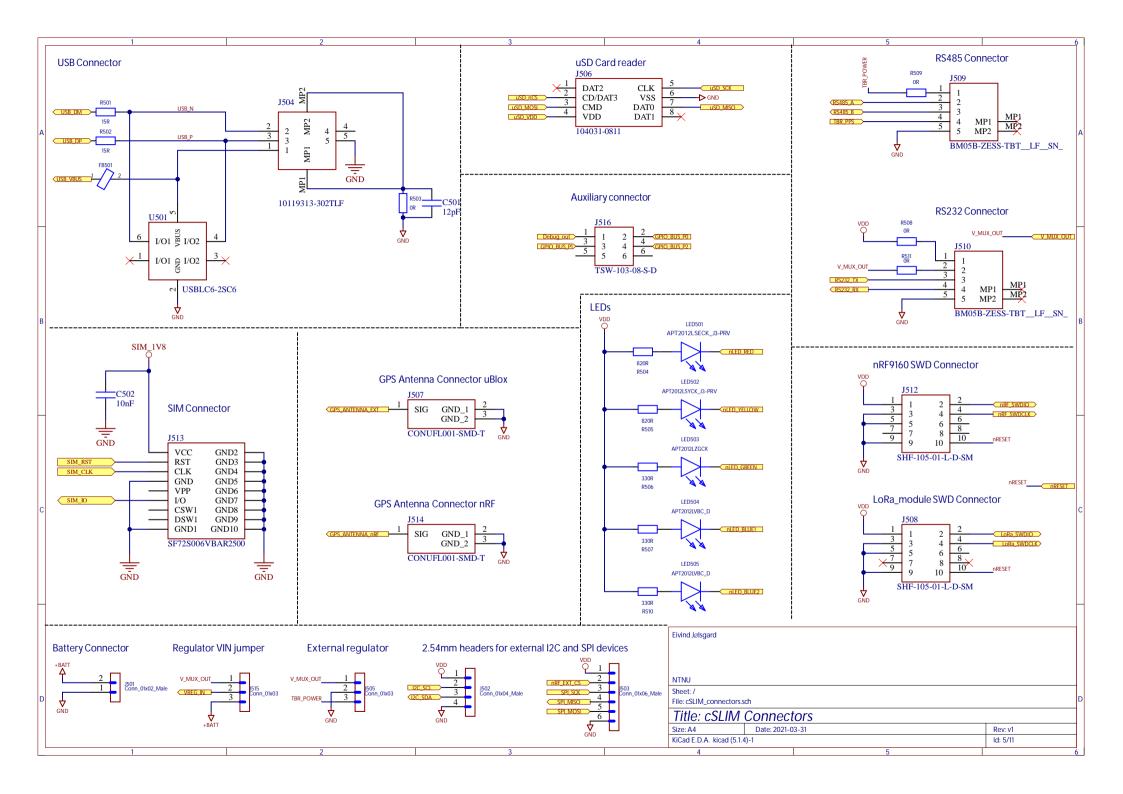


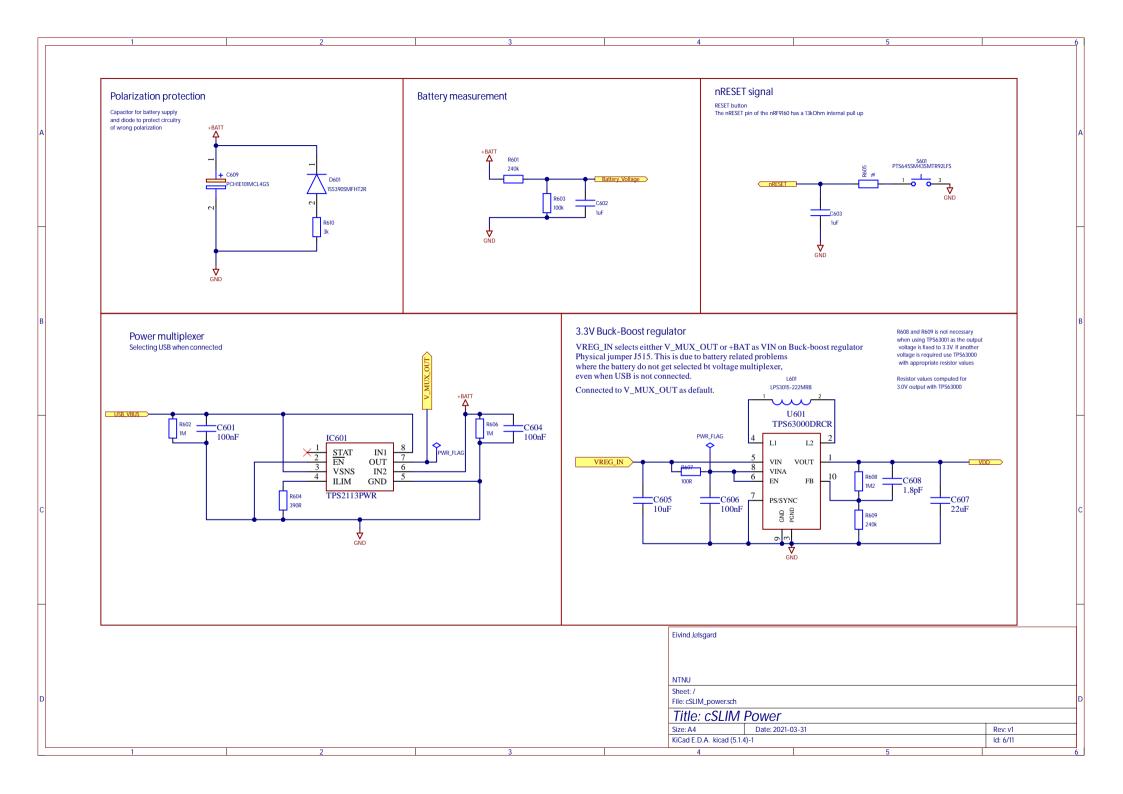
KiCad E.D.A. kicad (5.1.4)-1

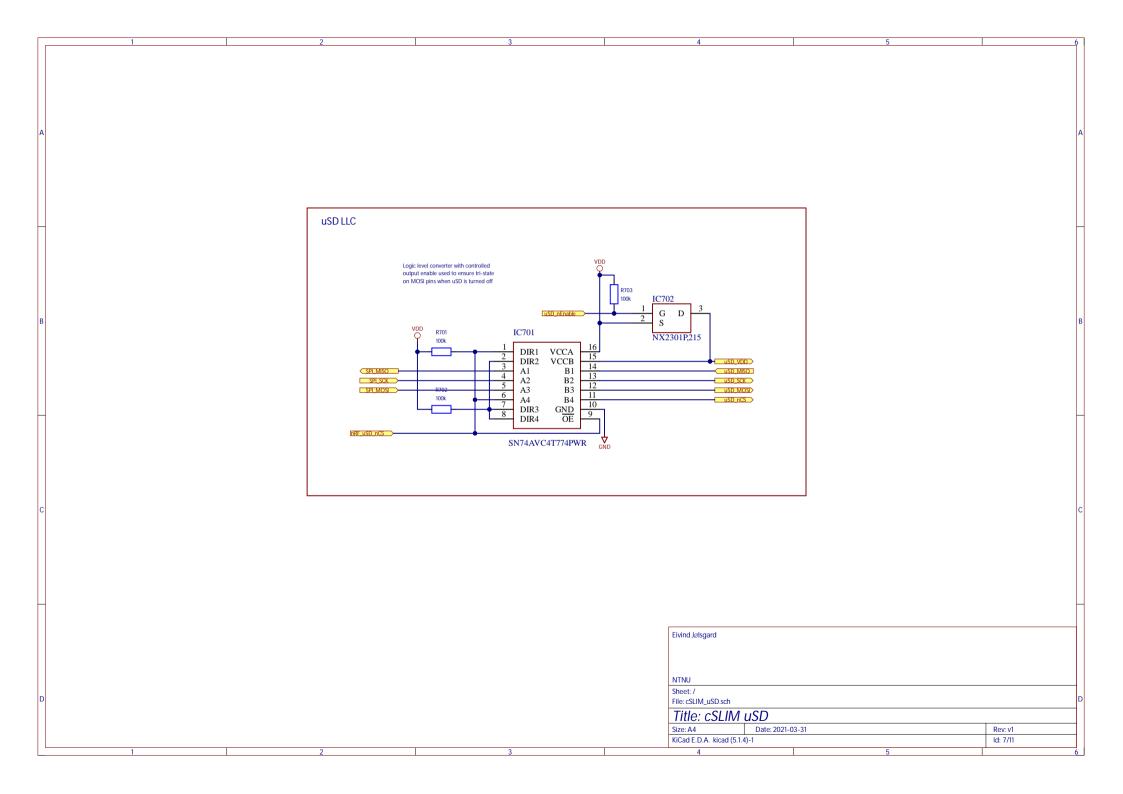
ld: 2/11

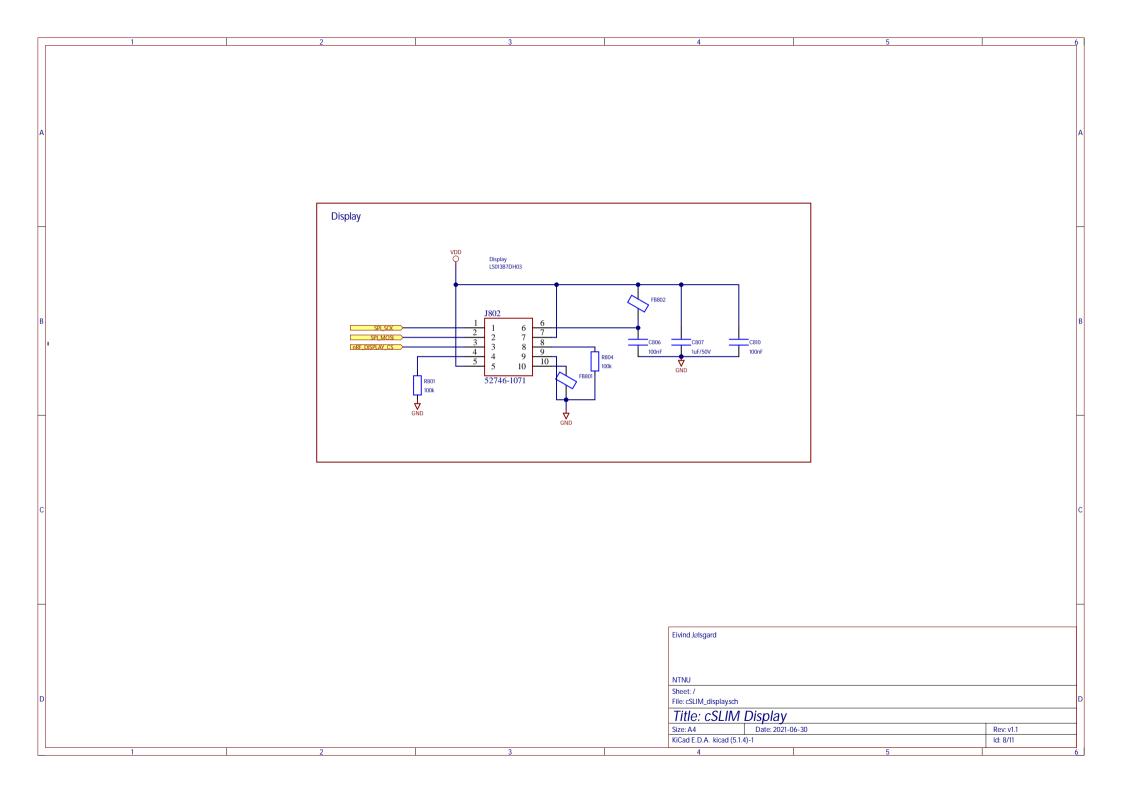


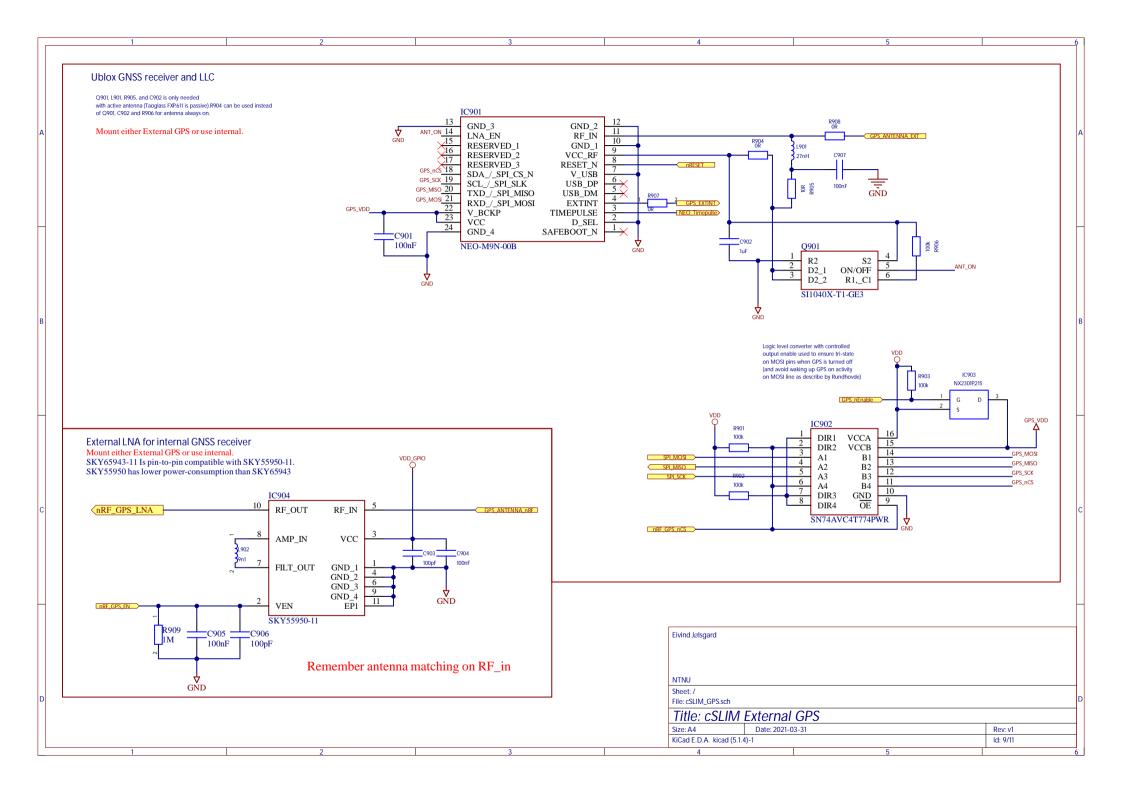


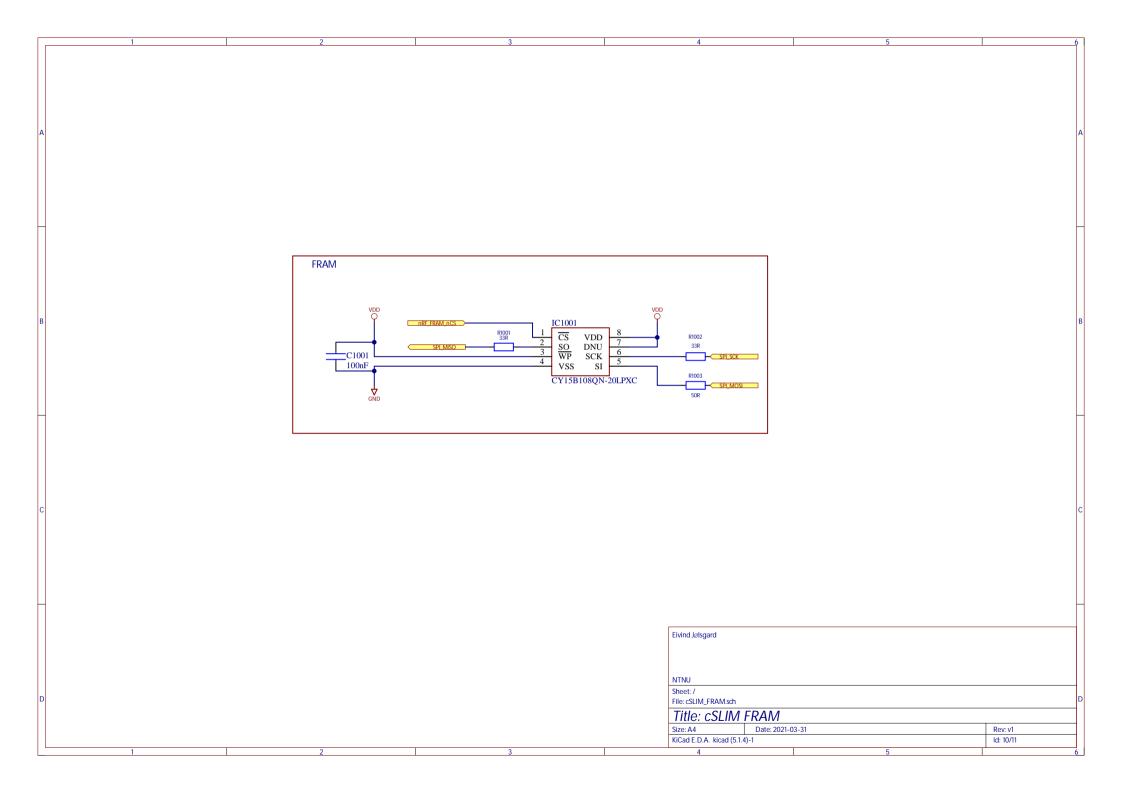


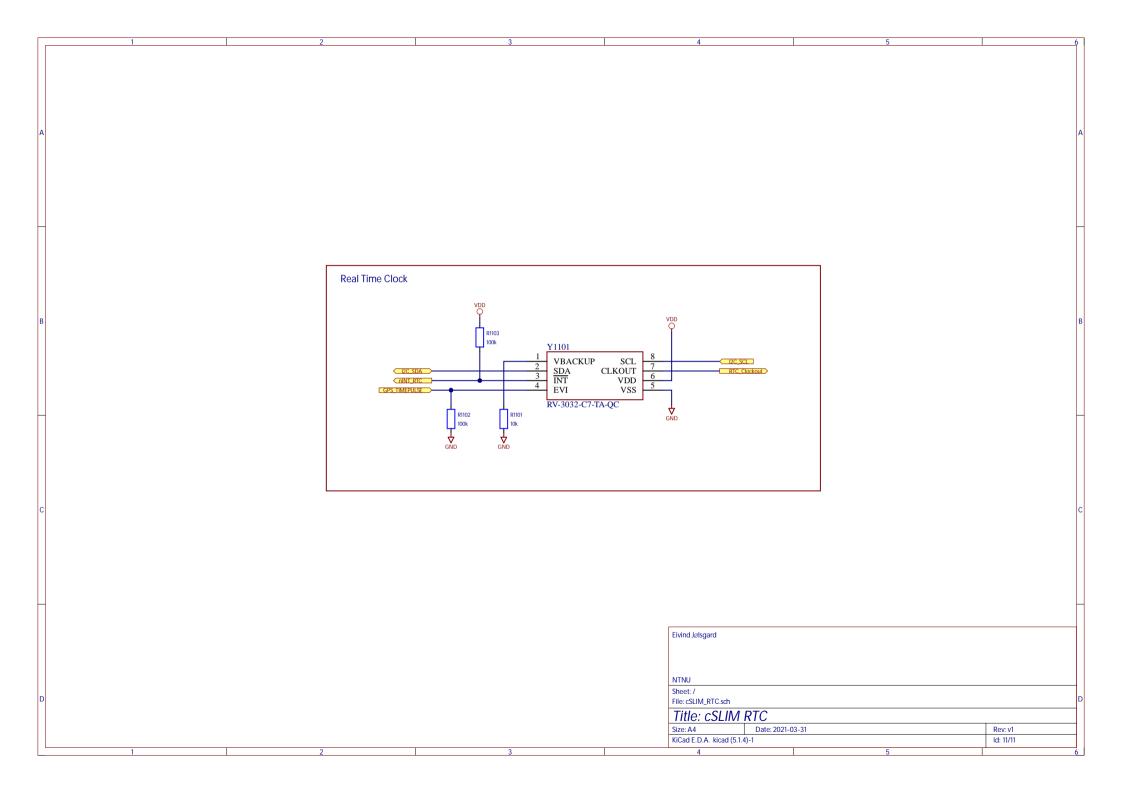












Comment	Description	Designator	Footprint	LibRef	Quantity
P822601	Antenna	A1 C301, C401, C402,	P822601	P822601	1
		C403, C404, C405,			
		C601, C604, C606,			
100nF	Capacitor	C806, C810, C901, C904, C905, C907,	CAPC1608X90N	С	20
		C1001, C1202, C1205,			
12nE	Capacitor	C1209, C1215 C501	CAPC1608X90N	C	1
12pF 10nF	Capacitor	C502	CAPC1608X90N	C C	<u> </u>
1uF	Capacitor	C602, C603, C902,	CAPC1608X90N	С	5
10uF	Capacitor	C1216, C1217 C605	CAPC1608X90N	С	1
22uF	Capacitor	C607	CAPC1608X90N	C	1
1.8pF	Capacitor Palarias d	C608	CAPC1608X90N	C	1
PCH1E101MCL4GS 1uF/50V	Capacitor Polarised Capacitor	C609 C807	CAPAE660X840N CAPC1608X90N	PCH1E101MCL4GS C	1
100pF	Capacitor	C903, C906	CAPC1608X90N	С	2
15pF 47uF	Capacitor Capacitor	C1201, C1208 C1203, C1210	CAPC1608X90N CAPC1608X90N	C C	2
4.7uF	Capacitor	C1206, C1207	CAPC1608X90N	C	2
3.5pF N.C.	Capacitor	C1211 C1212, C1213, C1214	CAPC1608X90N CAPC1608X90N	C	1
1SS390SMFHT2R	Capacitor Diode	D601	SODFL1608X70N	1SS390SMFHT2R	
CM1402-03CP	Diode ESD (Uni-	D1201	CM140203CP	CM1402-03CP	1
500mA	directional)	FB501	CAPC1608X90N	Ferrite_Bead	1
Ferrite_Bead		FB801, FB802	CAPC1608X90N	Ferrite_Bead	2
120ohm 0.7A	last a mark and Oliver sit	FB1201	CAPC1608X90N	Ferrite_Bead	1
WLR089U0-I_RM SN74AVC4T774PWR	Integrated Circuit Integrated Circuit	IC201 IC202, IC701, IC902	WLR089U0IRM SOP65P640X120-16N	WLR089U0-I_RM SN74AVC4T774PWR	3
NX2301P,215	Integrated Circuit,	IC203, IC702, IC903	SOT95P230X110-3N	NX2301P,215	3
	[NoValue]			·	
MAX3486ESA+	Integrated Circuit	IC301	SOIC127P600X175-8N	MAX3486ESA+	1
MAX3471EUA+	Integrated Circuit	IC302	SOP65P490X110-8N	MAX3471EUA+	1
MAX3221CUE+ TPS2113PWR	Integrated Circuit Integrated Circuit	IC401 IC601	SOP65P640X110-16N SOP65P640X120-8N	MAX3221CUE+ TPS2113PWR	1
NEO-M9N-00B	Integrated Circuit	IC901	NEOM9N00B	NEO-M9N-00B	1
SKY55950-11	Integrated Circuit	IC904	SKY6594311 SON65P323X328X55-	SKY65943-11	1
CY15B108QN-20LPXC	Integrated Circuit	IC1001	8N	CY15B108QN-20LPXC	1
	IC RF TxRx + MCU		VOVE		
NRF9160-SICA-R7	Cellular GPS 700MHz ~ 2.2GHz 161-TFLGA	IC1201	XCVR_NRF9160-SICA- R7	NRF9160-SICA-R7	1
	Module				
PCAL6408APWJ	Integrated Circuit	IC1202	SOP65P640X110-16N HDRV2W110P0X254	PCAL6408APWJ	1
Conn_01x02_Male	Connector	J301, J302, J501	1X2_508X254X854P	61300211121	3
Conn_01x04_Male	Connector	J502	HDRV4W64P0X254_1	PH1-04-UA	1
			X4_1016X250X901P HDRV6W64P0X254_1		
Conn_01x06_Male	Connector	J503	X6_1524X254X869P	61300611121	1
10119313-302TLF	Connector	J504	10119313302TLF HDRV3W64P0X254 1	10119313-302TLF	1
Conn_01x03	Connector	J505, J515	X3_762X254X869P	61300311121	2
104031-0811	Connector	J506	1040310811	104031-0811	1
CONUFL001-SMD-T	Connector	J507, J514	CONUFL001-SMD	CONUFL001-SMD-T SHF-105-01-L-D-SM-	2
SHF-105-01-L-D-SM	Connector	J508, J512	SHF10501LDSMLCKTR	LC-K-TR	2
BM05B-ZESS-	Connector	J509, J510	BM05BZESSTBTLFSN	BM05B-ZESS-	2
TBTLFSN_ SF72S006VBAR2500	Connector	J513	SF72S006VBAR2500	TBTLFSN_ SF72S006VBAR2500	1
TSW-103-08-S-D	Connector	J516	HDRV6W64P254_2X3	TSW-103-08-S-D	1
52746-1071	Connector	J802	_762X495X838P 52746-1071	52746-1071	
LPS3015-222MRB	Connector	L601	LPS3015	LPS3015-103MRB	1
27nH		L901	L-1608	L	1
9n1 22nH		L902 L1201	L-1608	L_1 L	1
1.5nH		L1202	L-1608	L	1
APT2012LSECK_J3- PRV	LED	LED501	LEDC2012X75N	APT2012LSECK_J3- PRV	1
APT2012LSYCK_J3-	LED	LEDEGO	LEDOGAGNOEN	APT2012LSYCK_J3-	
PRV	LED	LED502	LEDC2012X85N	PRV	1
APT2012LZGCK APT2012LVBC_D	LED LED	LED503 LED504, LED505	LEDC2012X85N LEDC2012X85N	APT2012LZGCK APT2012LVBC_D	1
NetTie		NT1201, NT1202,	NETTIE_FP	NetTie	
Nettic	Switch 4 pi usod 1.2	NT1203, NT1204	NETTIC_11		7
	Switch 4-pi. used 1-3 (2-4 not in use)	PB1201, PB1202, S601	PTS645(SMT)	PTS645SM43SMTR92L FS	3
SI1040X-T1-GE3	MOSFET (N-Channel)	Q901	SOTFL50P160X60-6N	SI1040X-T1-GE3	1
		R201, R202, R203, R603, R701, R702,			
		R703, R801, R804,			
100k		R901, R902, R903,	RESC1608X55N	R	20
		R906, R1102, R1103, R1209, R1210, R1211,			
		R1212, R1213			
120R 680R		R301 R302, R303	RESC1608X55N RESC1608X55N	R R	1 2
15R		R501, R502	RESC1608X55N	R	2
		R503, R508, R509,			
OR		R511, R904, R907, R908, R1204, R1205,	RESC1608X55N	R	12
		R1206, R1216, R1217			
820R 330R		R504, R505 R506, R507, R510	RESC1608X55N RESC1608X55N	R R	2
240k		R601, R609	RESC1608X55N	R	2
1M		R602, R606, R909	RESC1608X55N	R	3
390R 1k		R604 R605, R1214, R1215	RESC1608X55N RESC1608X55N	R R	1
100R		R607	RESC1608X55N	R	1
1M2		R608	RESC1608X55N	R	1
3k 10R		R610 R905	RESC1608X55N RESC1608X55N	R R	1 1
33R		R1001, R1002	RESC1608X55N	R	2
50R		R1003	RESC1608X55N	R	1
10k		R1101, R1201 R1202, R1203	RESC1608X55N RESC1608X55N	R R	2
4.7k		· · · · · · · · · · · · · · · · · · ·			_
4.7k 97C08ST	Switch	S201	SOIC127P671X170-	97C08ST	1
97C08ST			16N		
	Switch Integrated Circuit Integrated Circuit	S201 U501 U601		97C08ST USBLC6-2SC6 TPS63000DRCR	1 1 1