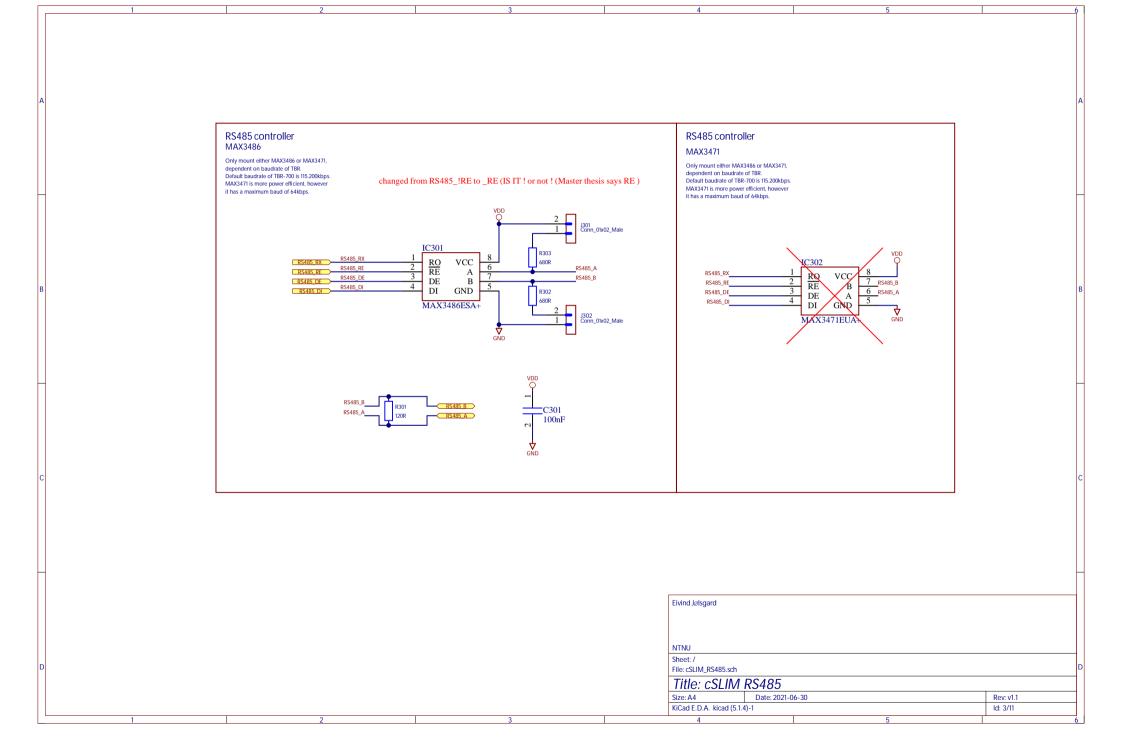
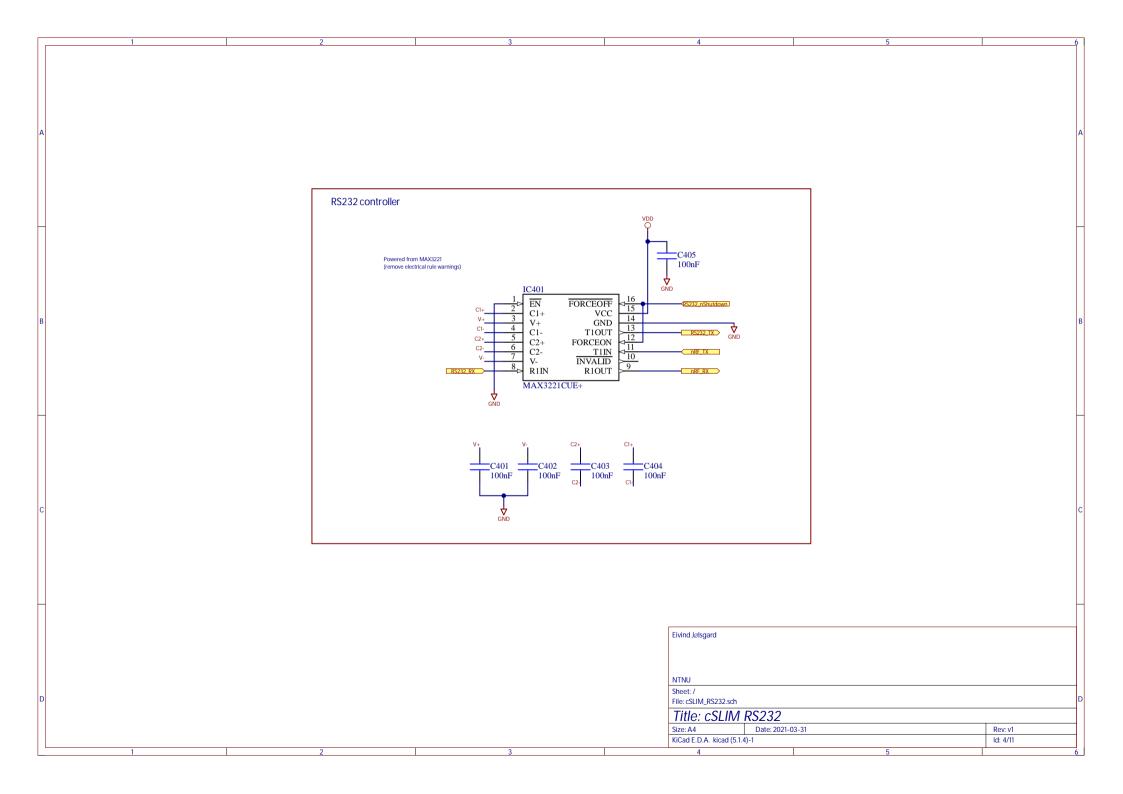


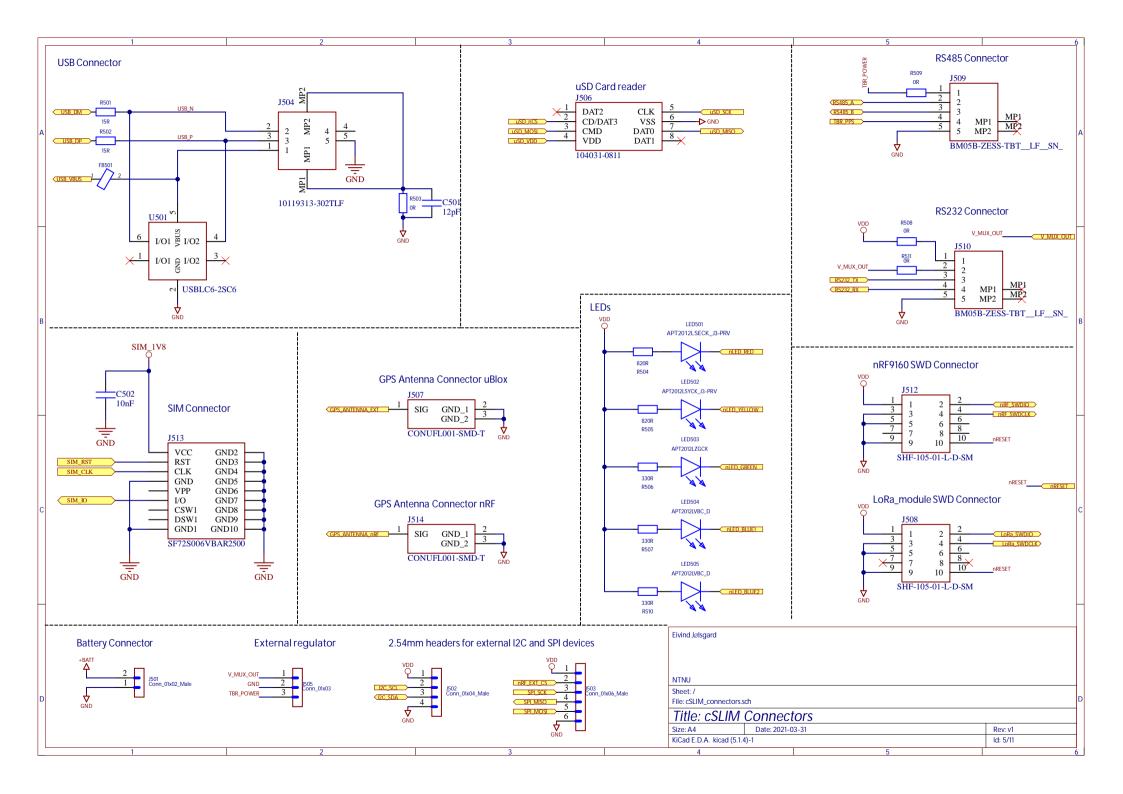
KiCad E.D.A. kicad (5.1.4)-1

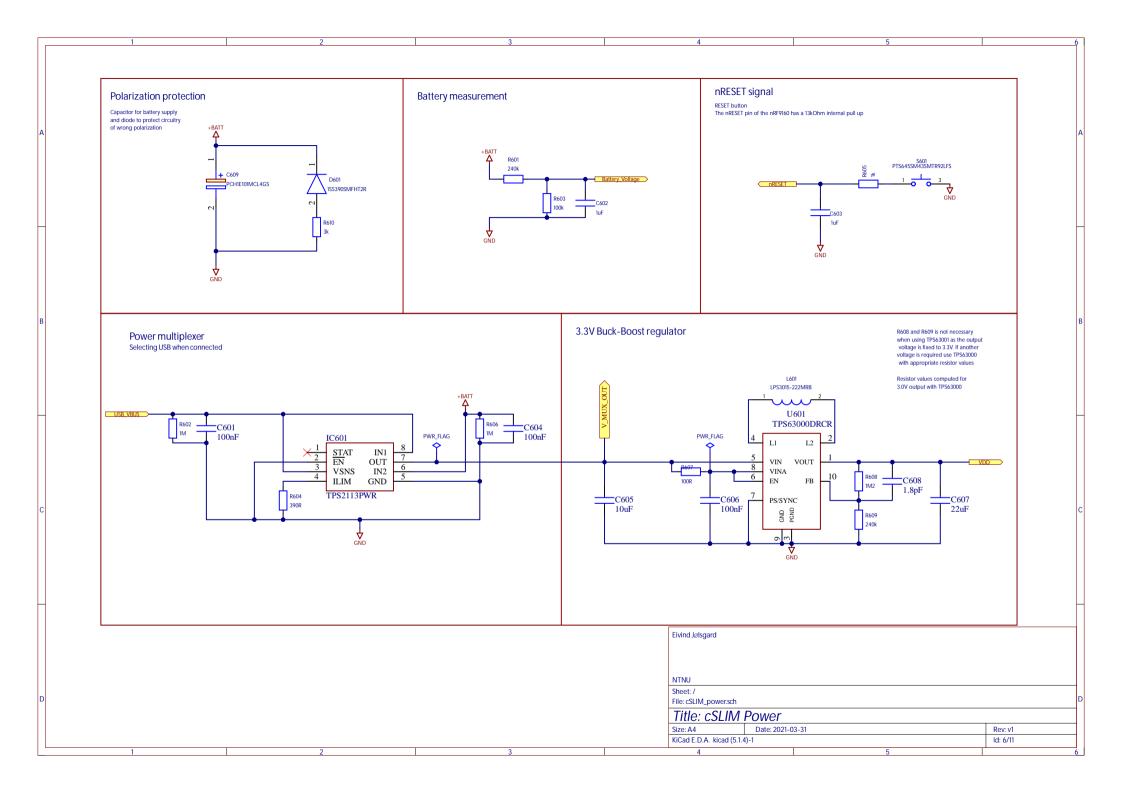
Rev: v1

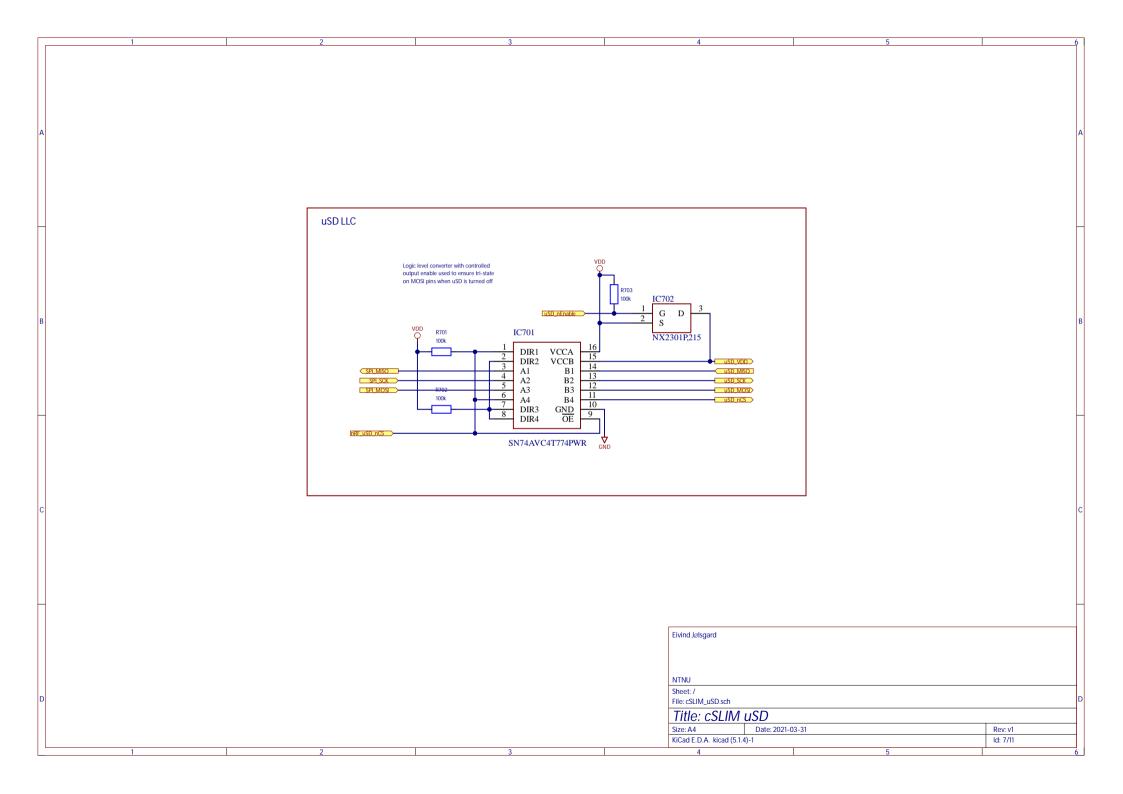
ld: 2/11

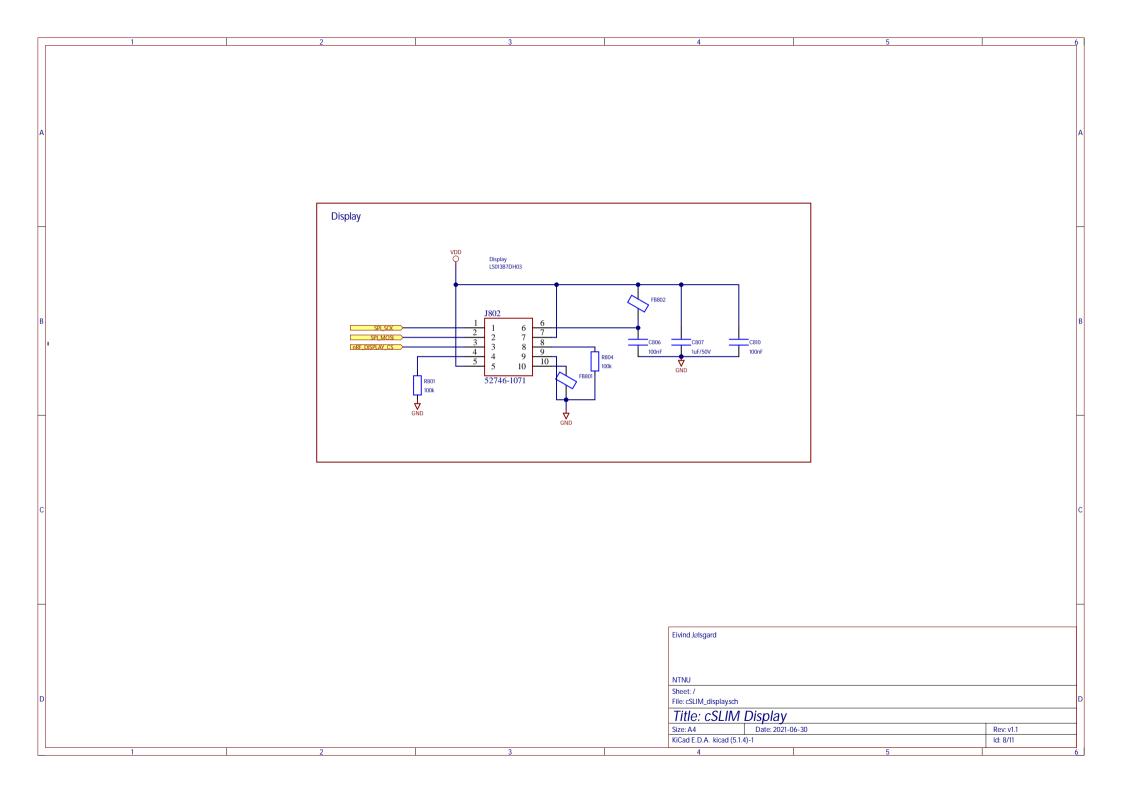


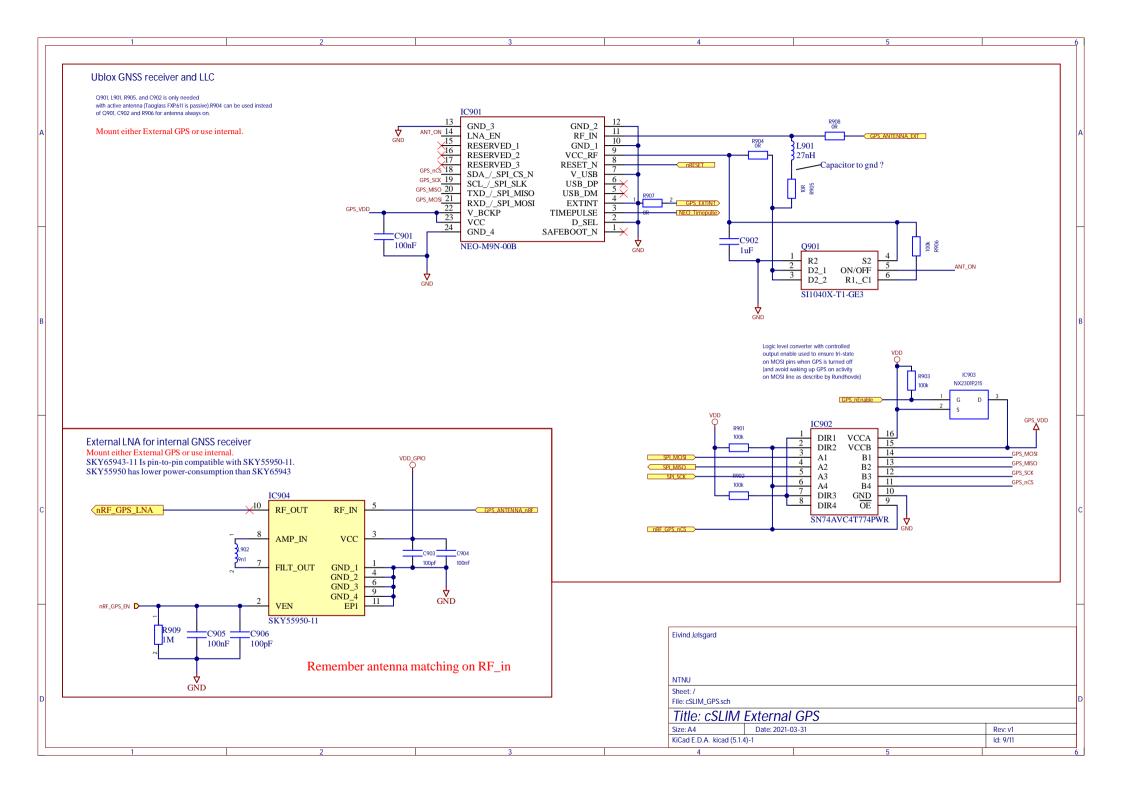


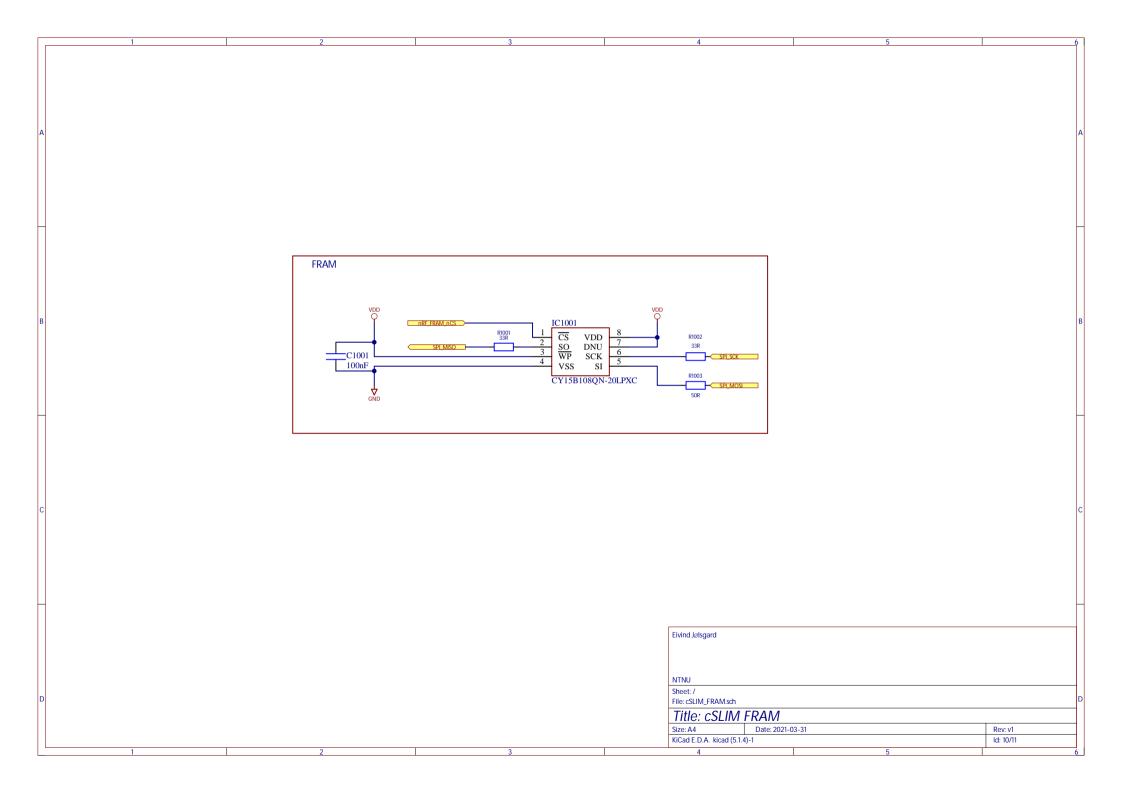


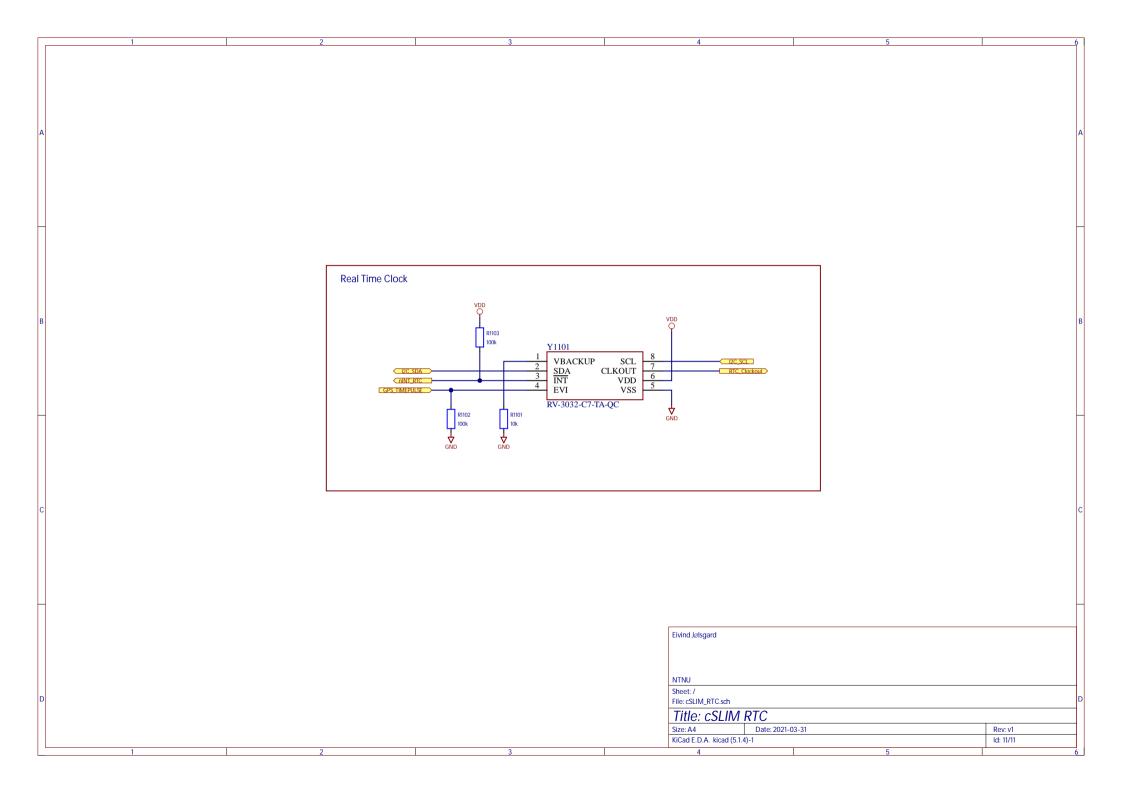












Comment	Description	Designator	Footprint	LibRef	Quantity
P822601	Antenna	A1	P822601	P822601	1
		C301, C401, C402, C403, C404, C405,			
400 5		C601, C604, C606,	0.4.004 (0.04/0.04)		40
100nF	Capacitor	C806, C810, C901, C904, C905, C1001,	CAPC1608X90N	С	19
		C1202, C1205, C1209,			
12pF	Capacitor	C1215 C501	CAPC1608X90N	С	1
10nF	Capacitor	C502 C602, C603, C902,	CAPC1608X90N	С	1
1uF	Capacitor	C1216, C1217	CAPC1608X90N	С	5
10uF 22uF	Capacitor Capacitor	C605 C607	CAPC1608X90N CAPC1608X90N	C C	1 1
1.8pF	Capacitor	C608	CAPC1608X90N	C	1
PCH1E101MCL4GS 1uF/50V	Capacitor Polarised Capacitor	C609 C807	CAPAE660X840N CAPC1608X90N	PCH1E101MCL4GS C	1
100pF 15pF	Capacitor Capacitor	C903, C906 C1201, C1208	CAPC1608X90N CAPC1608X90N	C C	2
47uF	Capacitor	C1203, C1210	CAPC1608X90N	С	2
4.7uF 3.5pF	Capacitor Capacitor	C1206, C1207 C1211	CAPC1608X90N CAPC1608X90N	C C	2
N.C.	Capacitor	C1212, C1213, C1214	CAPC1608X90N	C	3
1SS390SMFHT2R	Diode Diode ESD (Uni-	D601	SODFL1608X70N	1SS390SMFHT2R	1
CM1402-03CP	directional)	D1201	CM140203CP	CM1402-03CP	1
500mA Ferrite_Bead		FB501 FB801, FB802	CAPC1608X90N CAPC1608X90N	Ferrite_Bead Ferrite_Bead	1 2
120ohm 0.7A	1.1.1.10: 11	FB1201	CAPC1608X90N	Ferrite_Bead	1
WLR089U0-I_RM SN74AVC4T774PWR	Integrated Circuit Integrated Circuit	IC201 IC202, IC701, IC902	WLR089U0IRM SOP65P640X120-16N	WLR089U0-I_RM SN74AVC4T774PWR	1 3
NX2301P,215	Integrated Circuit,	IC203, IC702, IC903	SOT95P230X110-3N	NX2301P,215	3
MAX3486ESA+	[NoValue]	IC301	SOIC127P600X175-8N	·	1
MAX3486ESA+ MAX3471EUA+	Integrated Circuit Integrated Circuit	IC301	SOP65P490X175-8N	MAX3486ESA+	1
MAX3221CUE+	Integrated Circuit	IC401	SOP65P640X110-16N	MAX3221CUE+	1
TPS2113PWR NEO-M9N-00B	Integrated Circuit Integrated Circuit	IC601 IC901	SOP65P640X120-8N NEOM9N00B	TPS2113PWR NEO-M9N-00B	1
SKY55950-11	Integrated Circuit	IC904	SKY6594311	SKY65943-11	1
CY15B108QN-20LPXC	Integrated Circuit	IC1001	SON65P323X328X55- 8N	CY15B108QN-20LPXC	1
	IC RF TxRx + MCU				
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 X4_1016X250X901P	PH1-04-UA	1
Conn_01x06_Male	Connector	J503	HDRV6W64P0X254_1	61300611121	1
10119313-302TLF	Connector	J504	X6_1524X254X869P 10119313302TLF	10119313-302TLF	1
Conn_01x03	Connector	J505	HDRV3W64P0X254_1 X3_762X254X869P	61300311121	1
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- TBTLFSN	Connector	J509, J510	BM05BZESSTBTLFSN	BM05B-ZESS- TBTLFSN	2
SF72S006VBAR2500	Connector	J513	SF72S006VBAR2500	SF72S006VBAR2500	1
52746-1071 LPS3015-222MRB	Connector	J802 L601	52746-1071 LPS3015	52746-1071 LPS3015-103MRB	1
27nH		L901	L-1608	L	1
9n1 22nH		L902 L1201	L-1608	L_1 L	1 1
1.5nH APT2012LSECK_J3-		L1202	L-1608	L APT2012LSECK_J3-	1
PRV	LED	LED501	LEDC2012X75N	PRV	1
APT2012LSYCK_J3- PRV	LED	LED502	LEDC2012X85N	APT2012LSYCK_J3- PRV	1
APT2012LZGCK	LED	LED503	LEDC2012X85N	APT2012LZGCK	1
APT2012LVBC_D	LED	LED504, LED505 NT1201, NT1202,	LEDC2012X85N	APT2012LVBC_D	2
NetTie	Conde-t- A . 1	NT1203, NT1204	NETTIE_FP	NetTie	4
	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,			
100k		R703, R801, R804,	RESC1608X55N	R	20
TOOK		R901, R902, R903, R906, R1102, R1103,	KESC 1000VSSIA	K	20
		R1209, R1210, R1211,			
120R		R1212, R1213 R301	RESC1608X55N	R	1
680R 15R		R302, R303 R501, R502	RESC1608X55N RESC1608X55N	R R	2
		R503, R508, R509,			
OR		R511, R904, R907, R908, R1216, R1217	RESC1608X55N	R	9
820R		R504, R505	RESC1608X55N	R	2
330R 240k		R506, R507, R510 R601, R609	RESC1608X55N RESC1608X55N	R R	3 2
1M		R602, R606, R909	RESC1608X55N	R	3
390R 1k		R604 R605, R1214, R1215	RESC1608X55N RESC1608X55N	R R	1 3
100R		R607	RESC1608X55N	R	1
1M2 3k		R608 R610	RESC1608X55N RESC1608X55N	R R	1 1
10R 33R		R905 R1001, R1002	RESC1608X55N RESC1608X55N	R R	1 2
50R		R1003	RESC1608X55N	R	1
10k		R1101, R1201 R1202, R1203	RESC1608X55N RESC1608X55N	R R	2
4.7k				R	3
4.7k 0ohm		R1204, R1205, R1206	RESC1608X55N		
0ohm 12k		R1208	RESC1608X55N RESC1608X55N SOIC127P671X170-	R	1
00hm 12k 97C08ST	Switch	R1208 S201	RESC1608X55N SOIC127P671X170- 16N	97C08ST	1
0ohm 12k	Switch Integrated Circuit Integrated Circuit	R1208	RESC1608X55N SOIC127P671X170-	R	1