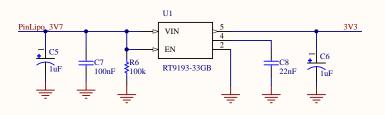


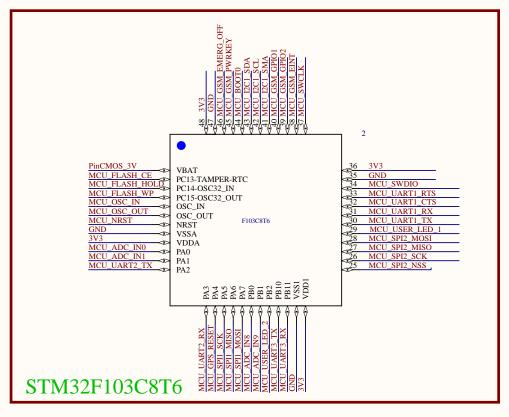
## POWER SUPPLY RTC

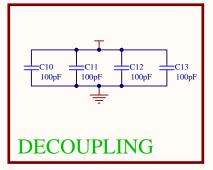


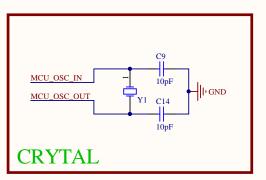
VOUT = 3V3. Drop voltage: 220 mV. Max current: 300 mA

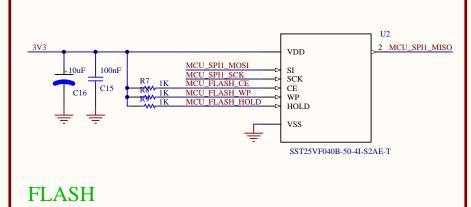
## POWER SUPPLY MCU & GPS

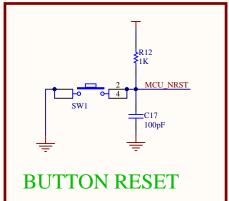
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Size	Number		Revision
A4			
Date:	21-Nov-18	Sheet of	
File:	D:\workspace\\Page2_Power.SchDoc	Drawn By:	

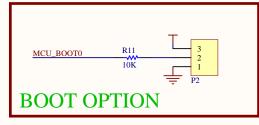




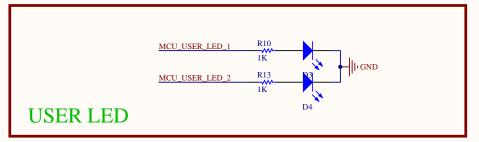




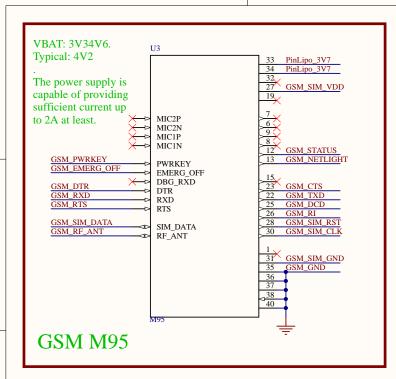


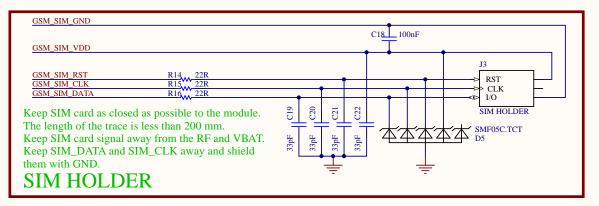


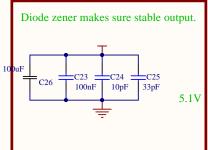




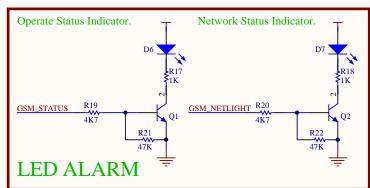
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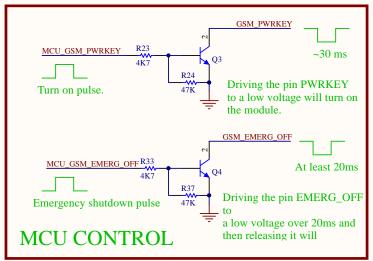


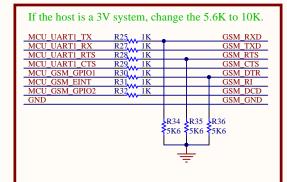




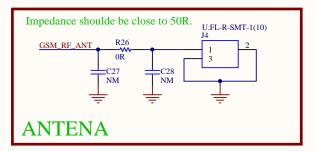
**DECOUPLING** 



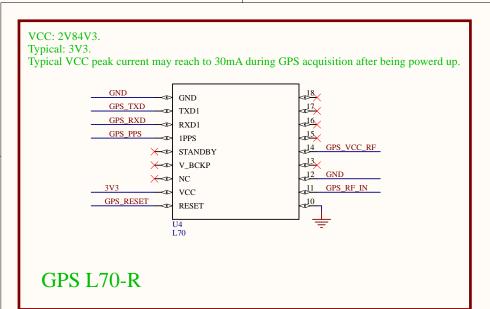


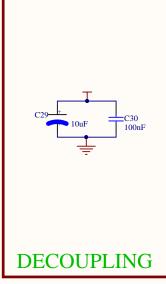


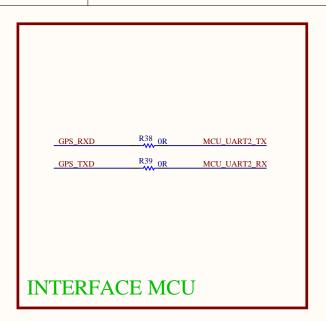
INTERFACE MCU

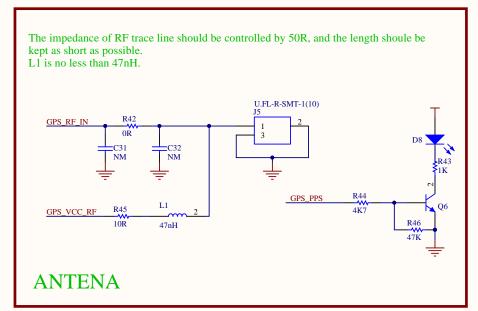


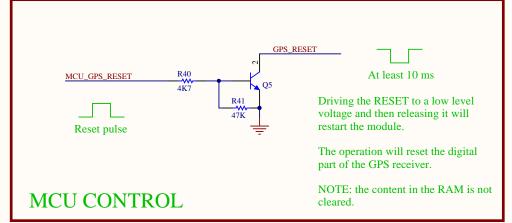
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A4			
Date:	21-Nov-18	Sheet of	
File:	D:\workspace\\Page4_GSM.SchDoc	Drawn By:	-



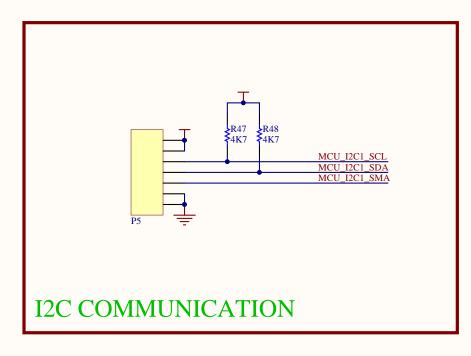


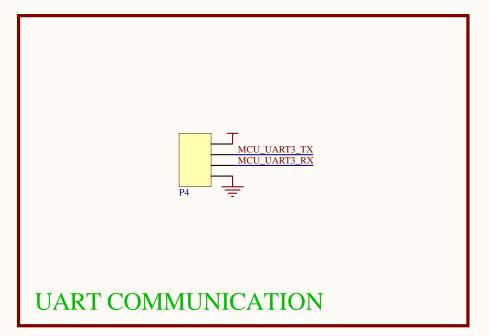


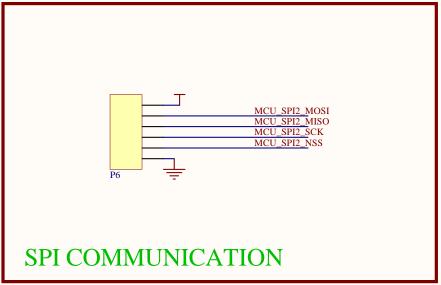


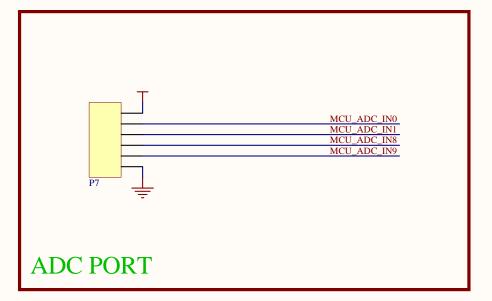


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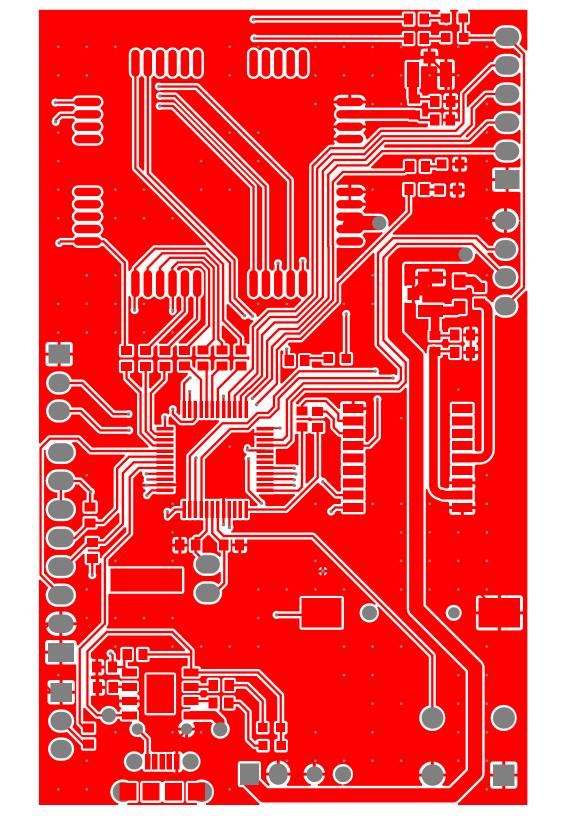


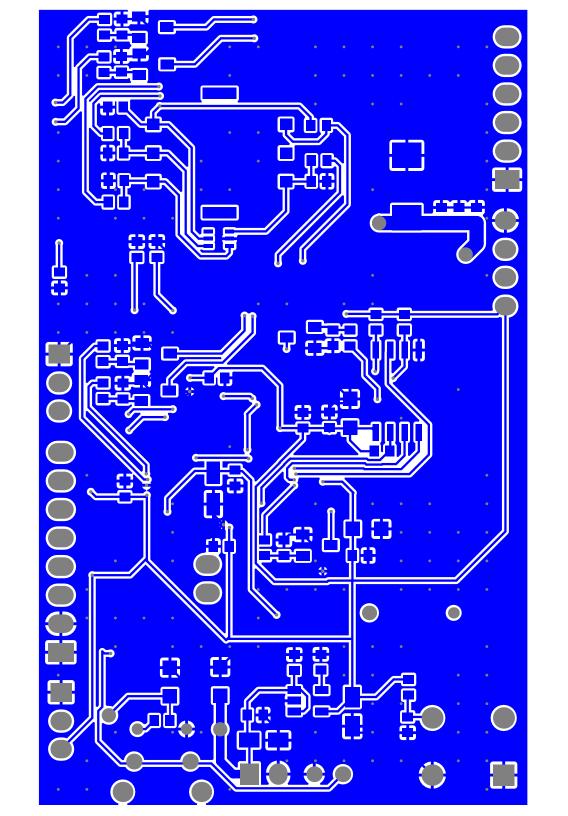






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Date:	21-Nov-18	Sheet	of	
File:	D:\workspace\\Page6_Peripheral.SchDo	cDrawn	By:	





Comment	Description	Designator	Footprint	LibRef	Quantity
		1, R1, R2, R3, R4, R5, R6, R7, R8, R9, R10,			
		R11, R12, R13, R14,			
		R15, R16, R17, R18, R19, R20, R21, R22,			
		R23, R24, R25, R26,			
		R27, R28, R29, R30,			
		R31, R32, R33, R34, R35, R36, R37, R38,			
		R39, R40, R41, R42,			
DEGICTOR OLLO		R43, R44, R45, R46,	050 014 0400	0500700 0140	
RESISTOR SMD	Resistor Mainstream	R47, R48	RES-SM-0603	RESISTOR SMD	49
	Performance line,				
	ARM Cortex-M3				
	MCU with 64 Kbytes Flash, 72 MHz CPU,				
	motor control, USB		LQFP48_7X7MM_0.5		
STM32F103C8T6	and CAN	2	MMPP	STM32F103C8T6	1
	NTC Thermistors	0.4	103AT2	40047.0	
103AT-2	10kohm 1% Cap Tant Solid 10uF	B1	103A12	103AT-2	1
	10V A CASE 10%		AVX-A_TANTALUM-		
	_3.2 X 1.6 X 1.6mm_		SMD-10UF-10V-	TANTALUM-SMD-	
10.5	SMD 3216-18 3 Ohm 125ŰC T/R	01 02 01/ 020	10%(AVX-	10UF-10V-10%(AVX- A)	
10uF	Onm 125A C 1/R	C1, C2, C16, C29	A)(Primary)	A)	4
	Cap Tant Solid 4.7uF				
	16V A CASE 10%				
	_3.2 X 1.6 X 1.6mm_		CAPMP3216X166_TA		
4.7uF	SMD 3216-18 4 Ohm 125ŰC T/R	C3	JA475K016RNJ(Prim ary)	TAJA475K016RNJ	1
		C4, C7, C8, C9, C10,			<del> </del>
		C11, C12, C13, C14,			
		C15, C17, C18, C19,			
		C20, C21, C22, C23, C24, C25, C27, C28,			
Cap Non-Pol SMD	Capacitor	C30, C31, C32	CAP-SM-0603	Cap Non-Pol SMD	24
	Cap Tant Solid 1uF				
	16V A CASE 10%				
	_3.2 X 1.6 X 1.6mm_ SMD 3216-18 11				
1uF	Ohm 125C T/R	C5, C6	CAPMP3216X180N	TAJA105K016RNJ	2
	Cap Tant Solid				
	100uF 10V D CASE				
	20% _7.3 X 4.3 X 2.9mm_ Inward L				
	SMD 7343-31 0.9				
100uF	Ohm 125C T/R	C26	CAPCP7343X310N	TAJD107M010R	1
LED SMD	LED	D1, D2, D3, D4, D6, D7, D8	LED_0603_Blue	LED SMD	7
	LED	D5	SC70-6	SMF05C.TCT	,
SMF05C.TCT TP4056		IC1	SOP-8	TP4056	1
174030	Micro Usb, 2.0 Type	ic i	FRAMATOME_10118	174030	'
10118194-0001LF	b, Rcpt, Smt	J1	194-0001LF	10118194-0001LF	1
			MPD_BC501SM-		
BC501SM-TR	Holder Coin Cell For Cr1220 Smd	J2	TR_BC501SM- TR(Primary)	BC501SM-TR	,
BC501SW-1R	Cr 1220 Smd	32	GCT_SIM8050-6-0-	BC3015IVI-1R	'
	Nano SIM Retainer,		14-00-		
	6P, SMT, 1.35mm		X_REVF_SIM8050-6-		
CIMALIOLDED	Profile, No Peg,	13	0-14-00- X_REVF(Primary)	SIM8050-6-0-14-00- X RFVF	
SIM HOLDER	Without switch, T&R	13	X_REVF(Primary)	A_RE VF	'
	UFL SMT PCB				
	receptable,DC-6GHz				
	Hirose Straight 50				
	Surface Mount UFL Connector,				
	Receptacle, Solder				
U.FL-R-SMT-1(10)	Termination Coaxial	J4, J5	U.FL-R-SMT-1(10)	U.FL-R-SMT-1(10)	2
	Surface Mount High Frequency Inductor,				
	MLZ Series, 4.7 H,				
	20%, 0805 [2012			MLZ2012M4R7WT00	
47nH	Metric], 50 MHz	L1	INDC2012X87N	0	1
Header 2	Header, 2-Pin	P1	JP2	Header 2	1
Header 3	Header, 3-Pin	P2, P3	JP3	Header 3	2
Header 4	Header, 4-Pin	P4	JP4	Header 4	1
Header 7	Header, 7-Pin	P5	JP8	Header 7	1
Header 6	Header, 6-Pin	P6, P7	JP6	Header 6	2
C1815	NPN Bipolar Transistor	Q1, Q2, Q3, Q4, Q5, Q6	SOT23B	C1815	6
010			Tact SW 4 pin	Tact SW - 4Pin	1
	Switch button 4 nin			. July 0 48 - 41 III	<del>                                     </del>
	Switch button 4 pin RT9193 Series 300	SW1			
SW	Switch button 4 pin RT9193 Series 300 mA 3.3 V Ultra-Low	SWI			
	RT9193 Series 300 mA 3.3 V Ultra-Low Noise Ultra-Fast	SWI			
sw	RT9193 Series 300 mA 3.3 V Ultra-Low Noise Ultra-Fast CMOS LDO		COTO4D270V400	DT0102 2202	
	RT9193 Series 300 mA 3.3 V Ultra-Low Noise Ultra-Fast	U1	SOT94P279X129-5N	RT9193-33GB	1
SW RT9193-33GB	RT9193 Series 300 mA 3.3 V Ultra-Low Noise Ultra-Fast CMOS LDO Regulator-SC-70-5		SOT94P279X129-5N SOIC127P790X216-	RT9193-33GB SST25VF040B-50-4I-	1
sw	RT9193 Series 300 mA 3.3 V Ultra-Low Noise Ultra-Fast CMOS LDO Regulator-SC-70-5 2.7V to 3.6V 4Mbit SPI Serial Flash, 8 SOU .208in T/R				1
SW RT9193-33GB SST25VF040B-50-4I- S2AE-T	RT9193 Series 300 mA 3.3 V Ultra-Low Noise Ultra-Fast CMOS LDO Regulator-SC-70-5 2.7V to 3.6V 4Mbit SPI Serial Flash, 8 SOU .208in T/R Quad-Band	U1 U2	SOIC127P790X216- 8N	SST25VF040B-50-4I- S2AE-T	1
SW RT9193-33GB SST25VF040B-50-4I- S2AE-T	RT9193 Series 300 mA 3.3 V Ultra-Low Noise Ultra-Fact CMOS LDO Regulator-SC-70-5 2.7V to 3.6V 4Mbit SPI Serial Flash, 8 SOU .208In T/R Quad-Band Gsm/Gprs Module	U1	SOIC127P790X216-	SST25VF040B-50-4I-	1
SW RT9193-33GB SST25VF040B-50-4I-	RT9193 Series 300 mA 3.3 V Ultra-Low Noise Ultra-Fast CMOS LDO Regulator-SC-70-5 2.7V to 3.6V 4Mbit SPI Serial Flash, 8 SOU .208in T/R Quad-Band	U1 U2	SOIC127P790X216- 8N	SST25VF040B-50-4I- S2AE-T	1 1 1
SW RT9193-33GB SST25VF040B-50-4I- S2AE-T M95	RT9193 Series 300 mA 3.3 V Ultra-Low Noise Ultra-Fast CMOS LDO Regulator-SC-70-5 2.7V to 3.6V 4Mbit SPI Serial Flash, 8 SOU .208in T/R Quad-Band Gsm/Gprs Module Gps Module +	U1 U2 U3	SOIC127P790X216- 8N XCVR_M95	SST25VF040B-50-4I- S2AE-T M95	1 1 1 1

