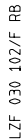
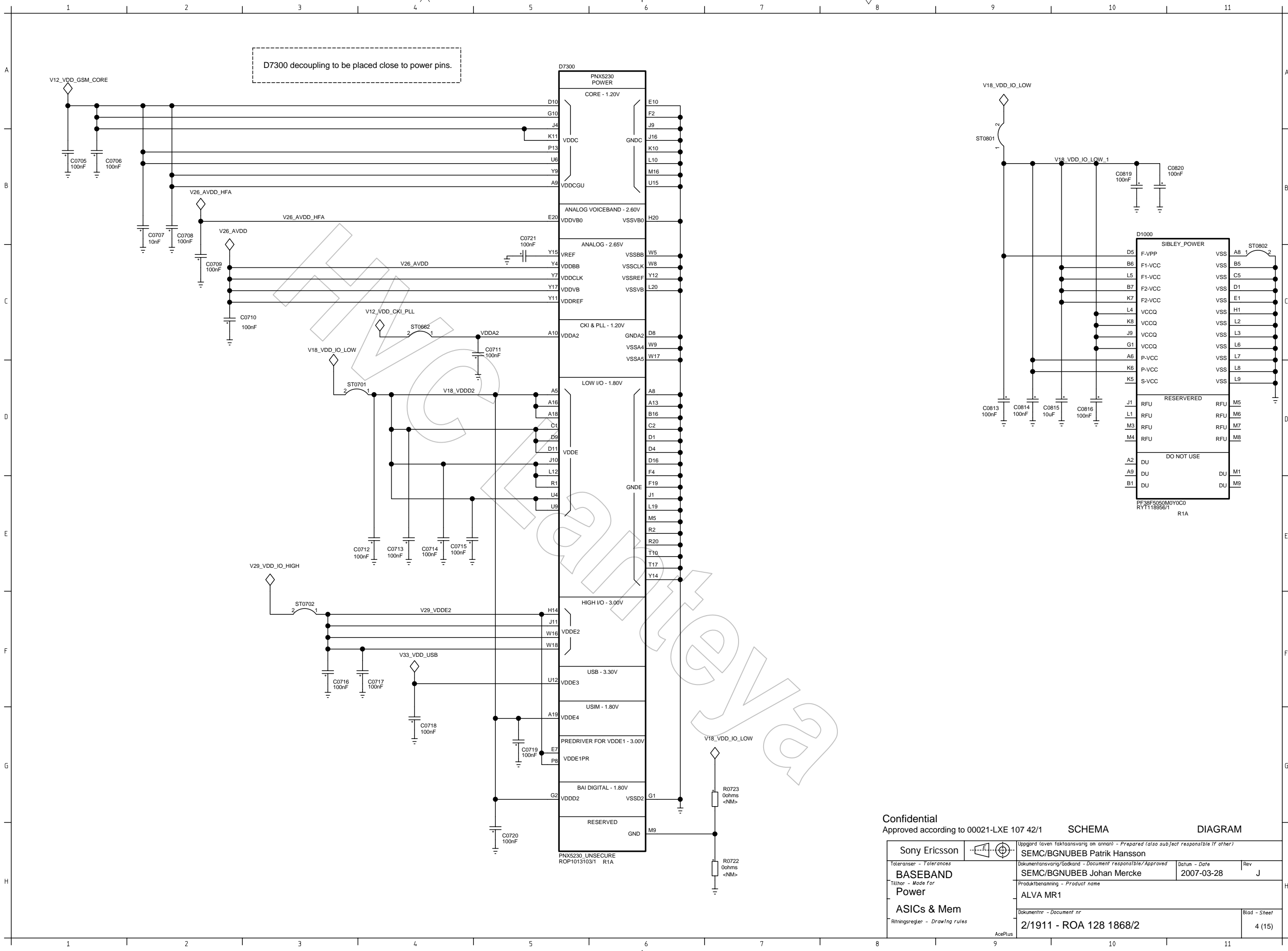


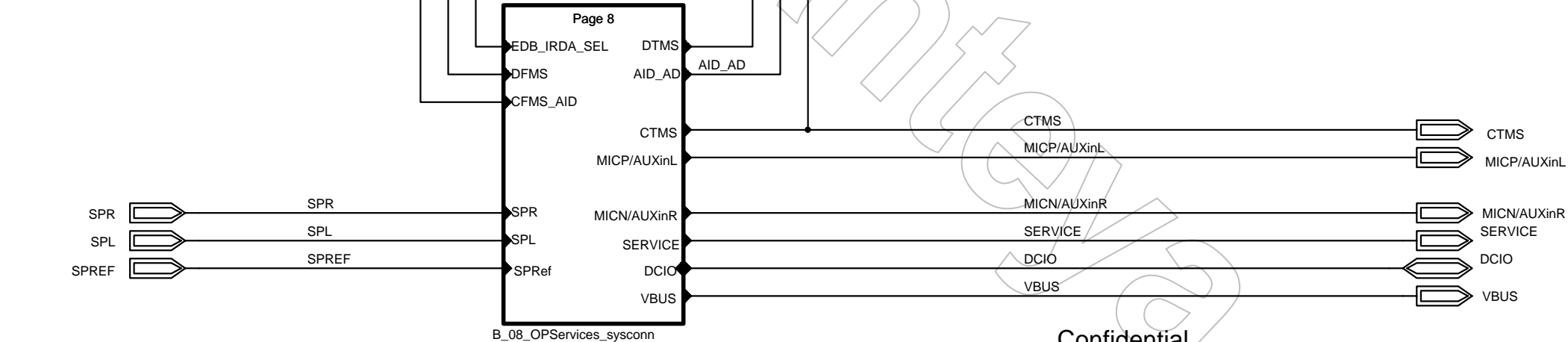
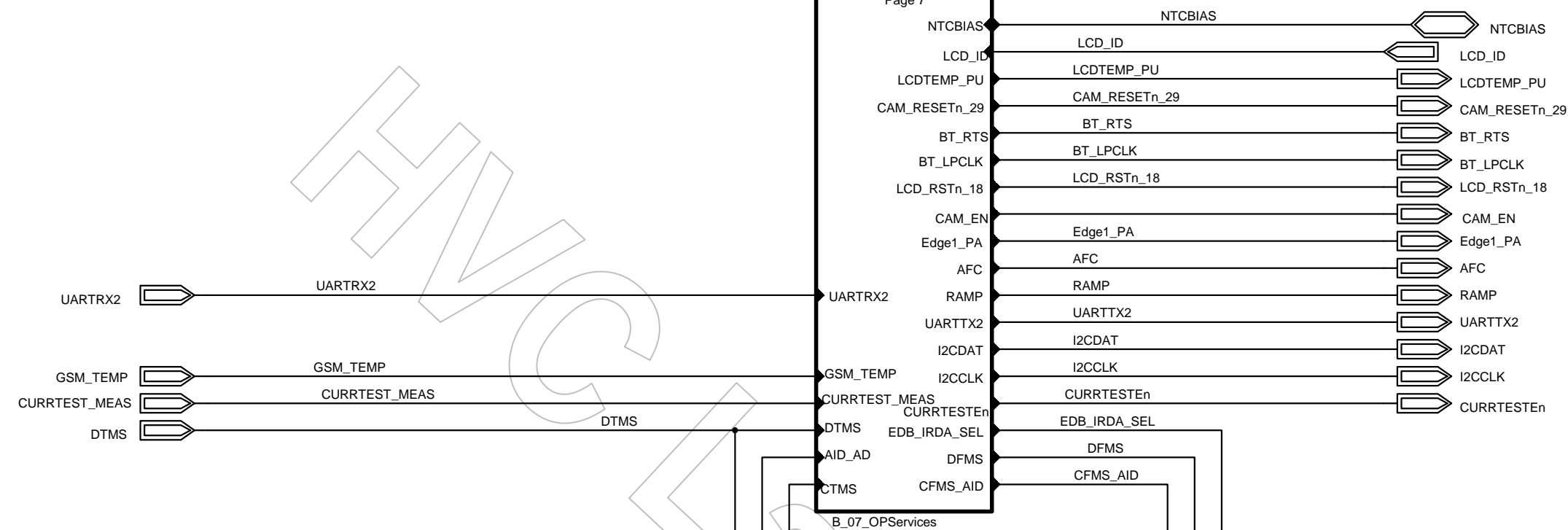
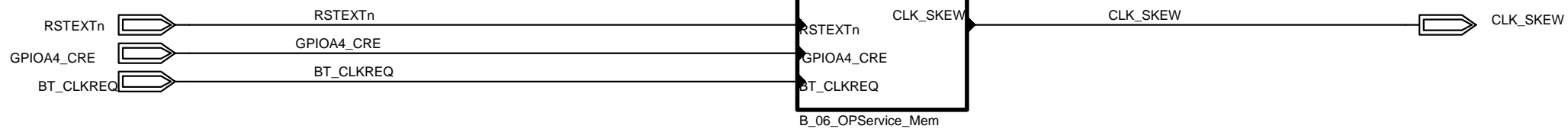
Confidential		Approved according to 00021-LXE 107 42/1		SCHEMA		DIAGRAM	
Sony Ericsson		Uppgård (även faktaansvarig om annan) - Prepared (also subject responsible if other)		SEMC/BGNUBEB Patrik Hansson			
Toleransen - Tolerances		Dokumentansvarig/Godkänd - Document responsible/Approved		Datum - Date		Rev	
BASEBAND		SEMC/BGNUBEB Johan Mercke		2007-03-28		J	
Tillhör - Made for		Produktbenämning - Product name					
System Control		ALVA MR1					
Ritningsregler - Drawing rules		Dokumentnr - Document nr				Blad - Sheet	
		2/1911 - ROA 128 1868/2				2 (15)	





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Approved according to 00021-LXE 107 42/1

Sony Ericsson		Uppgörd (även faktaansvarig om annan) - Prepared (also subject responsible if other)		
SEM/C/BGNUBEB Patrik Hansson		SEM/C/BGNUBEB Johan Mercke		
Toleransen - Tolerances		Dokumentansvarig/Sodkand - Document responsible/Approved		Datum - Date
Tillhor - Made for		Produktbenämning - Product name		Rev
Power		ALVA MR1		J
ASICs & Mem		Dokumentnr - Document nr		Blad - Sheet
Ritningsregler - Drawing rules		2/1911 - ROA 128 1868/2		4 (15)



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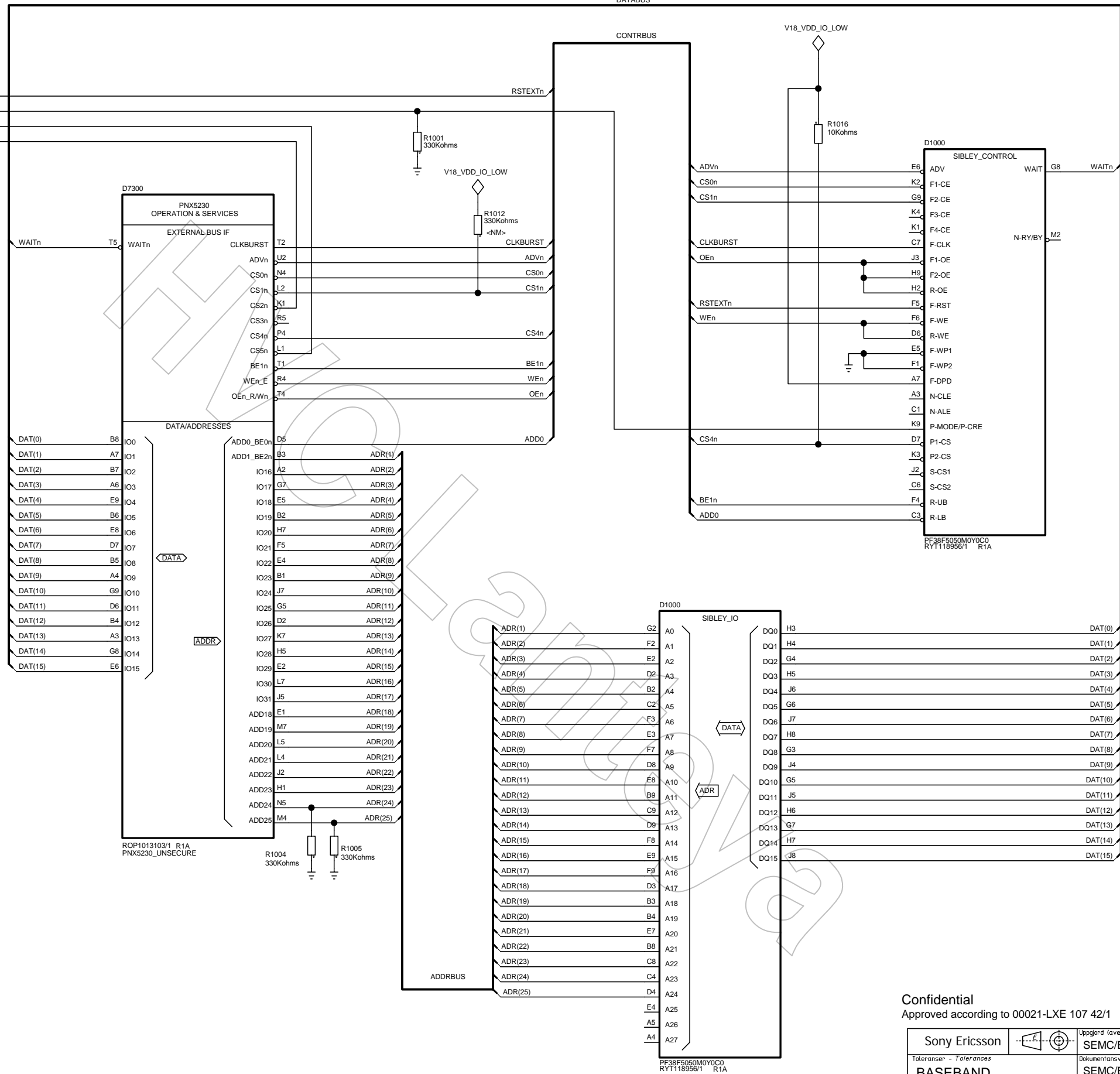
Approved according to 00021-LXE 107 42/1

SCHEMA

DIAGRAM

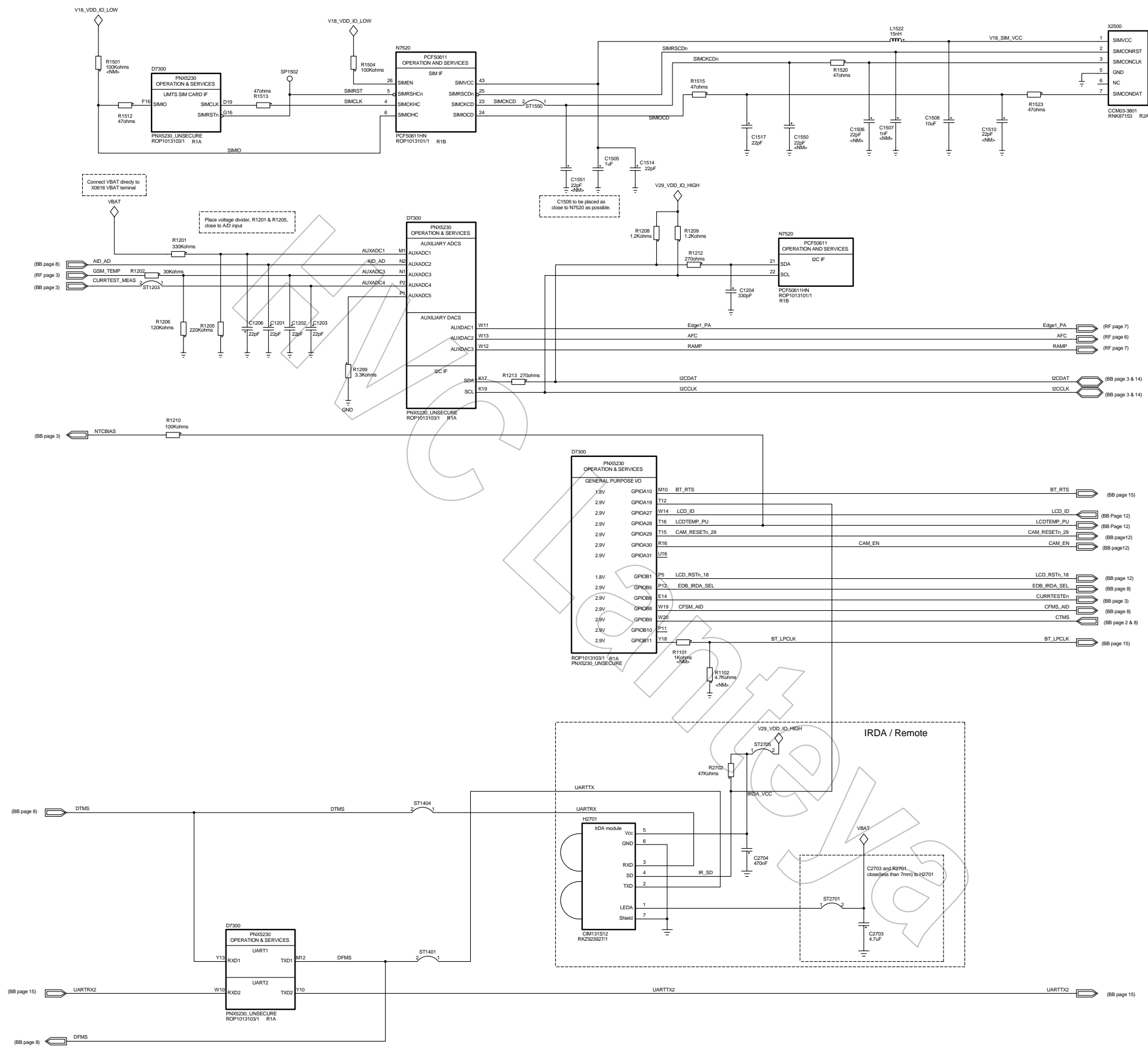
Sony Ericsson		Uppgjord (även faktaansvarig om annan) - Prepared (also subject responsible if other)	
Toleranser - Tolerances		SEM/BGNUBEB Patrik Hansson	
Tillhör - Made for		Dokumentansvarig/Godkänd - Document responsible/Approved	Datum - Date
BASEBAND		SEM/BGNUBEB Johan Mercke	2007-03-27
Operation & Services		Produktbenämning - Product name	
Top		ALVA MR1	
Ritningsregler - Drawing rules		Dokumentnr - Document nr	Blad - Sheet
		2/1911 - ROA 128 1868/2	5 (15)

(BB page 2) RSTEXTn  
(BB page 2) GPIOA4\_CRE  
(BB page 2) CLK\_SKEW  
(BB page 15) BT\_CLKREQ



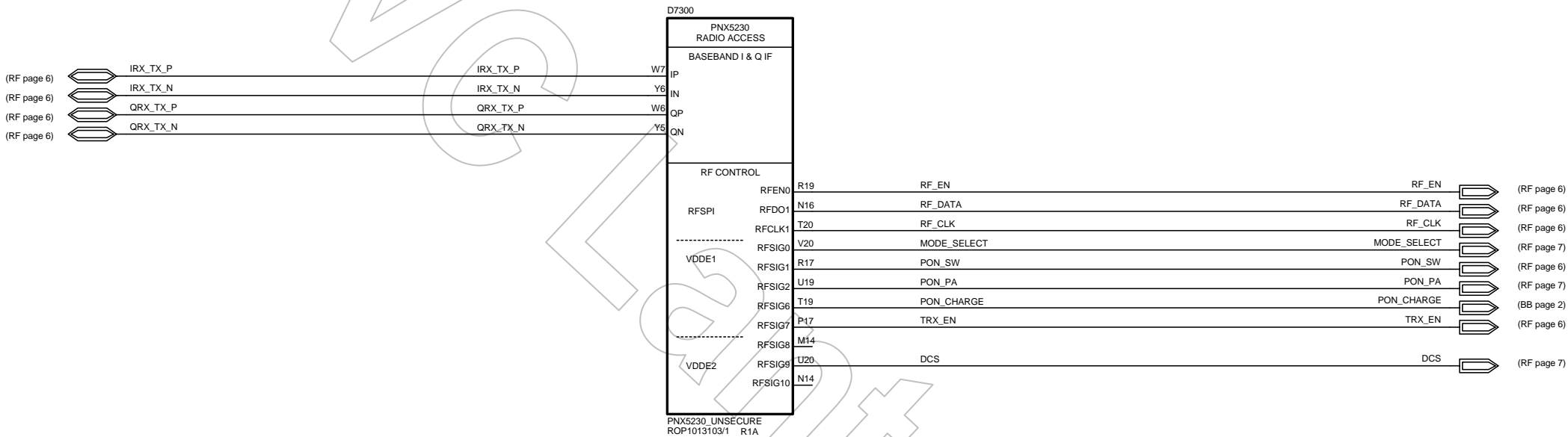
Confidential  
Approved according to 00021-LXE 107 42/1

Sony Ericsson		Uppgörd (även faktaansvarig om annan) - Prepared (also subject responsible if other)	
Toleransen - Tolerances		SEM/C/BGNUBEB Patrik Hansson	
Tillhör - Made for		Dokumentansvarig/Sodkand - Document responsible/Approved	
BASEBAND		SEM/C/BGNUBEB Johan Mercke	
Operation & Services		Datum - Date	
Memories		2007-03-28	
Ritningsregler - Drawing rules		Rev	
		J	
		Produktbenämning - Product name	
		ALVA MR1	
		Dokumentnr - Document nr	
		2/1911 - ROA 128 1868/2	
		Blad - Sheet	
		6 (15)	





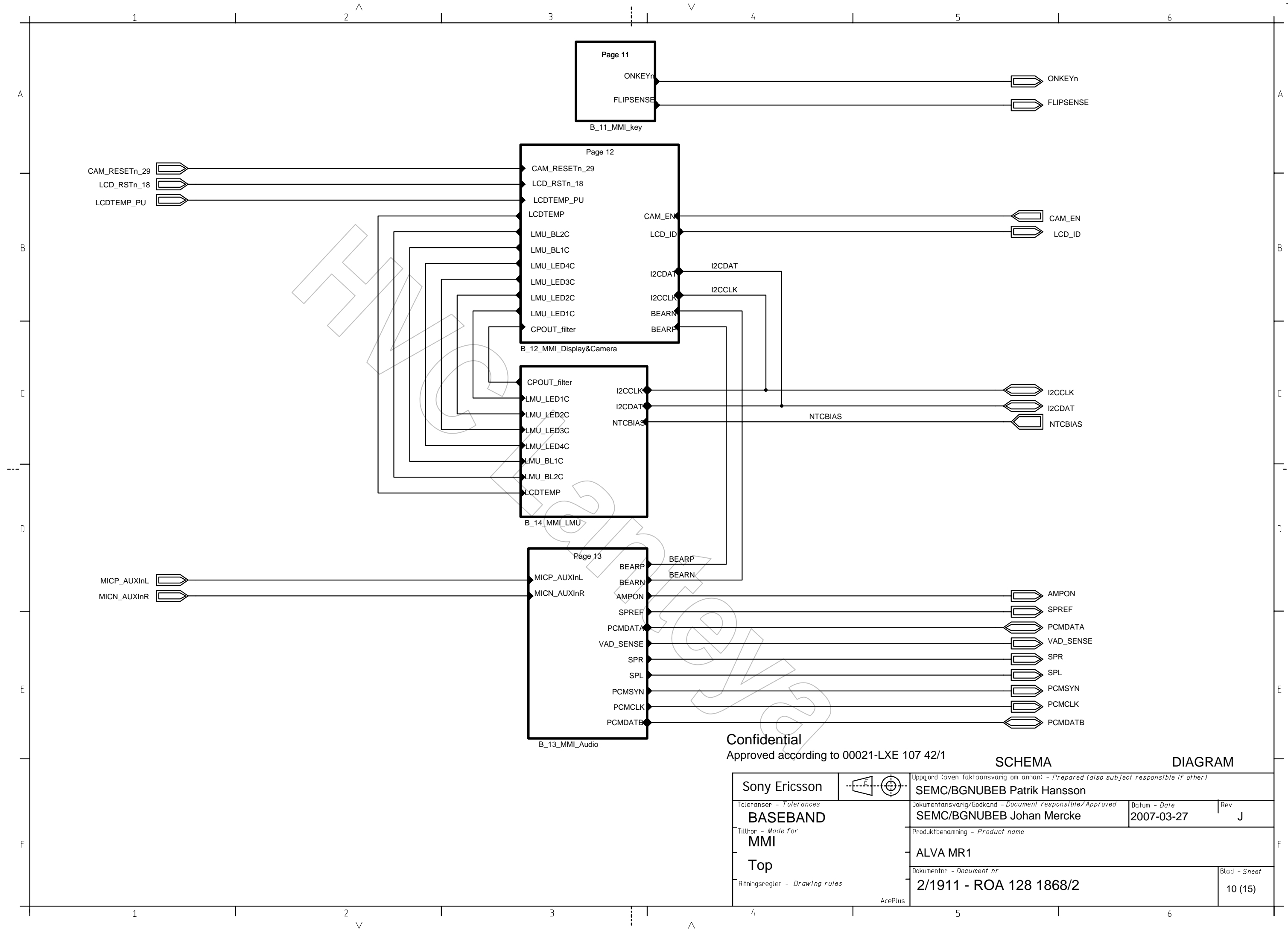




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Sony Ericsson		SEMC/BGNUBEB Patrik Hansson	
Toleransen - Tolerances		Dokumentansvarig/Sodkand - Document responsible/Approved	
BASEBAND		SEMC/BGNUBEB Johan Mercke	
Tillhor - Made for		Datum - Date	
Radio Access		2007-03-28	
Ritningsregler - Drawing rules		Rev	
		J	
		Produktbenamning - Product name	
		ALVA MR1	
		Dokumentnr - Document nr	
		2/1911 - ROA 128 1868/2	
		Blad - Sheet	
		9 (15)	

LZF 030 103/F RB





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Approved according to 00021-LXE 107 42/1

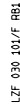
SCHEMA

DIAGRAM

Sony Ericsson	 	Uppgjord (även faktaansvarig om annan) - Prepared (also subject responsible if other)		
SEMCM/BGNUMBEB Patrik Hansson				
Toleranser - Tolerances		Dokumentansvarig/Godkänd - Document responsible/Approved	Datum - Date	Rev
BASEBAND		SEMCM/BGNUMBEB Johan Mercke	2007-03-27	J
Tillhör - Made for		Produktbenämning - Product name		
MMI		ALVA MR1		
Top		Dokumentnr - Document nr		
Ritningsregler - Drawing rules		2/1911 - ROA 128 1868/2		Blad - Sheet
				10 (15)

AcePlus





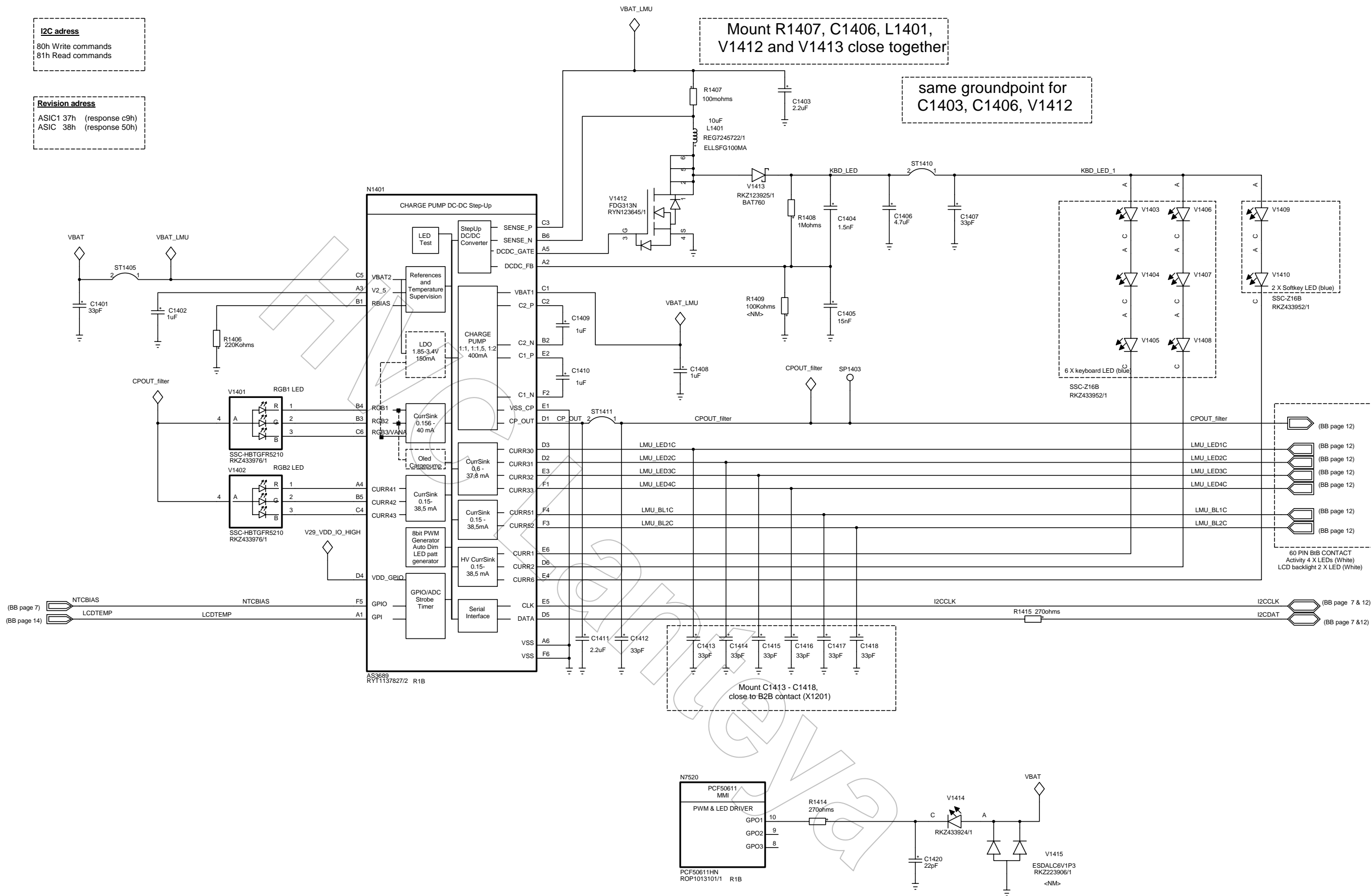


**I2C address**  
80h Write commands  
81h Read commands

**Revision address**  
ASIC1 37h (response c9h)  
ASIC 38h (response 50h)

Mount R1407, C1406, L1401,  
V1412 and V1413 close together

same groundpoint for  
C1403, C1406, V1412



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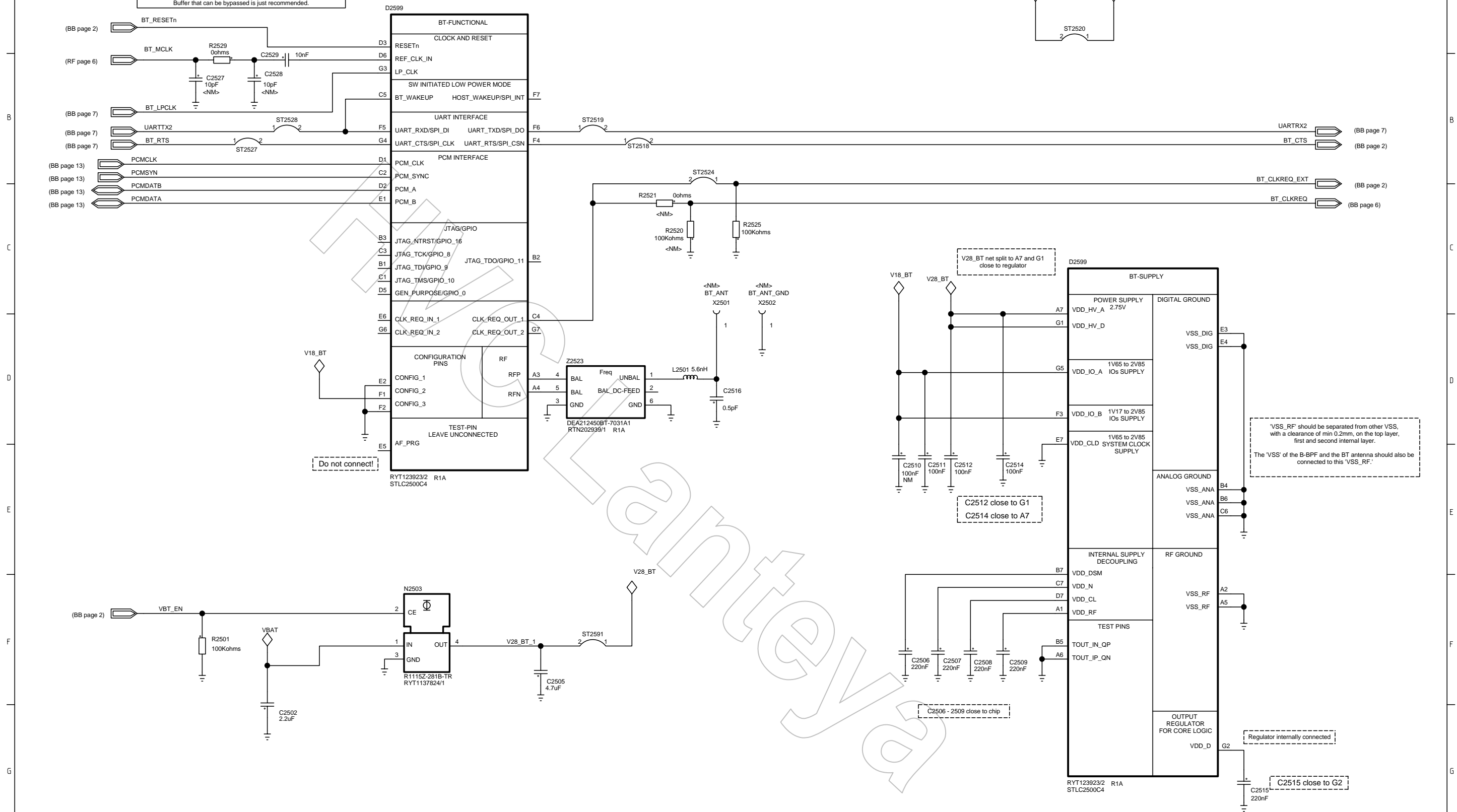
Approved according to 00021-LXE 107 42/1

SCHEMA

DIAGRAM

Sony Ericsson		Uppgörd (även faktaansvarig om annan) - Prepared (also subject responsible if other)		
Toleransen - Tolerances		SEM/C/BGNEB Patrik Hansson		Rev
BASEBAND		SEM/C/BGNEB Johan Mercke		2007-03-28 J
Tillhör - Made for		Produktbenämning - Product name		
MMI - LMU		ALVA MR1		
Ritningsregler - Drawing rules		Dokumentnr - Document nr		Blad - Sheet
		2/1911 - ROA 128 1868/2		14 (15)

The routing of MCLK should be done with extra care, i.e to avoid noisy signals. It is crucial that the reference clock supplied to BT is free of noise to be able to guarantee a good radio performance. Especially cross talks from surrounding digital signals must be avoided. The MCLK should be route in a starpoint at generation, with a dedicated track for only the BT. Buffer that can be bypassed is just recommended.



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Toleransen - Tolerances		Dokumentansvarig/Sodkand - Document responsible/Approved		Datum - Date		Rev	
BASEBAND		SEMC/BGNUBEB Johan Mercke		2007-03-28		J	
Tillhor - Made for		Produktbenämning - Product name					
Bluetooth		ALVA MR1					
Ritningsregler - Drawing rules		Dokumentnr - Document nr				Blad - Sheet	
		2/1911 - ROA 128 1868/2				15 (15)	