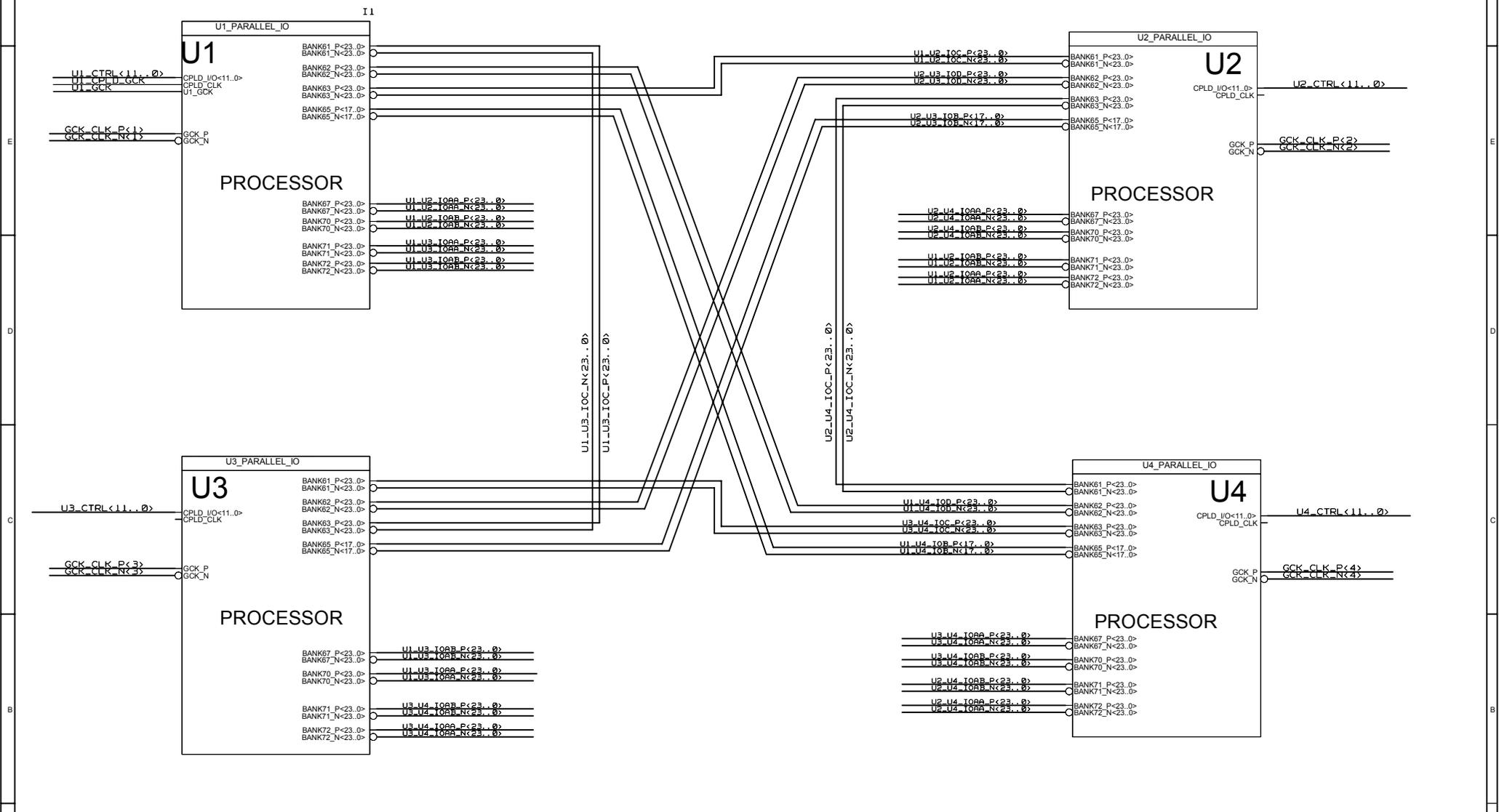
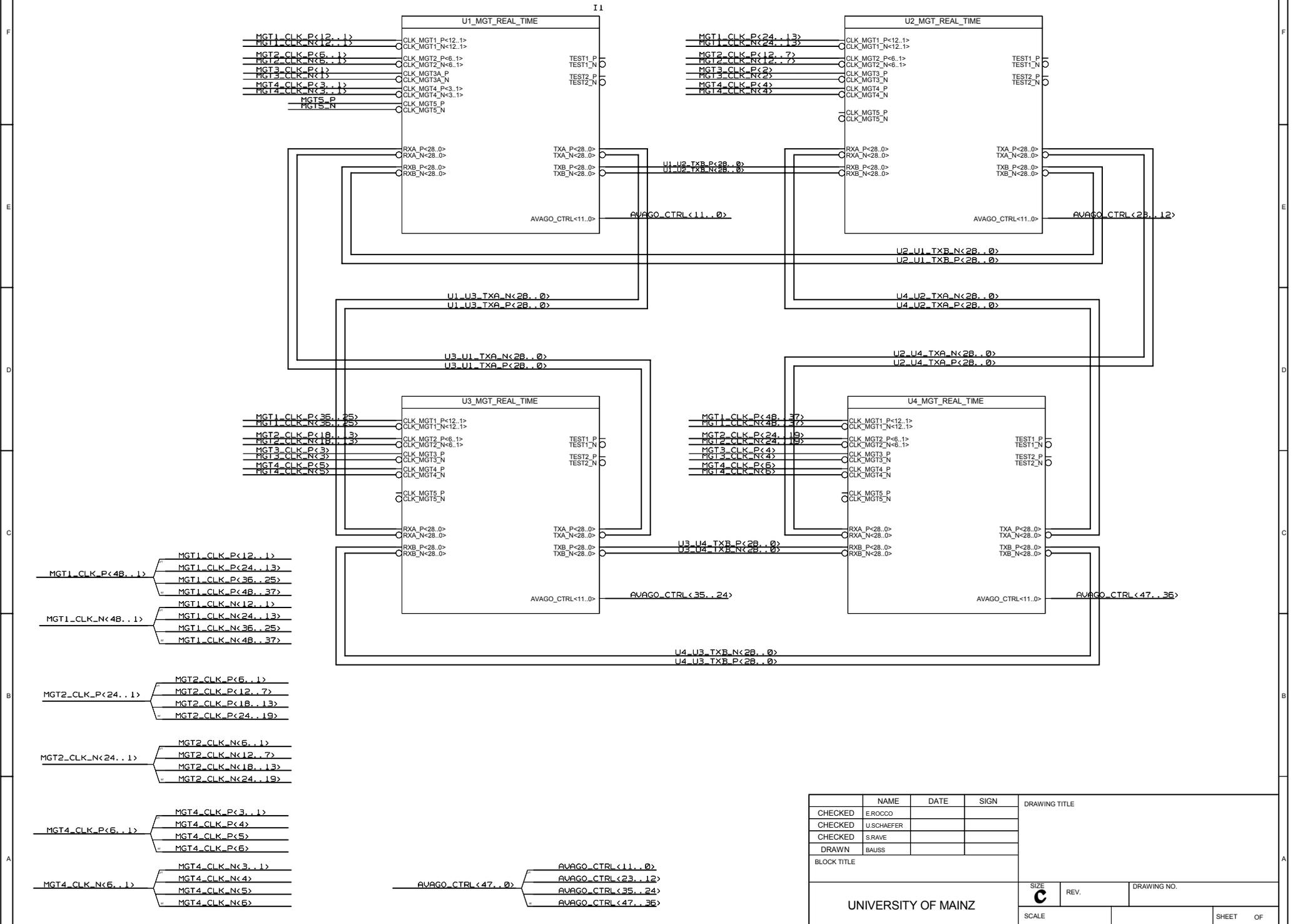


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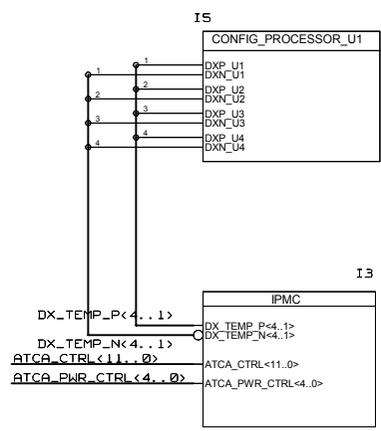
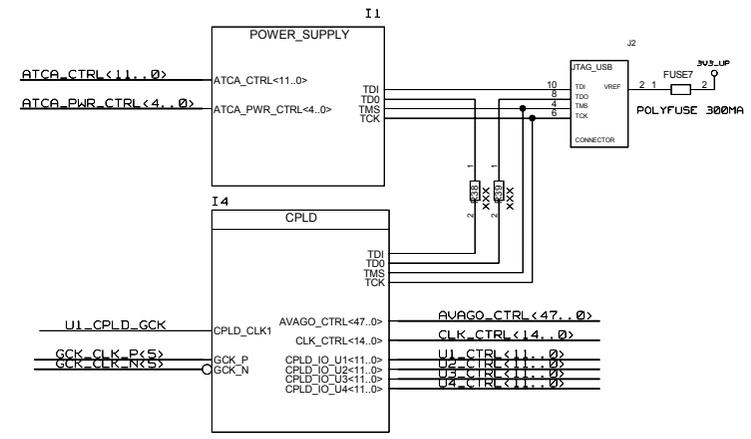
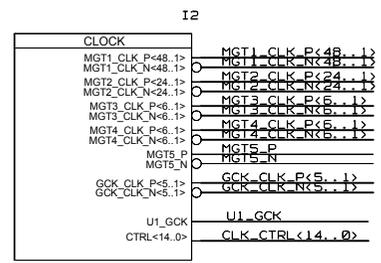
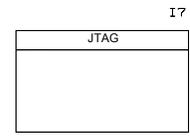
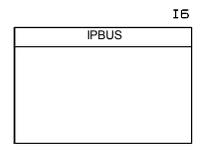
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ZONE	LTR	DESCRIPTION	DATE	APPR.



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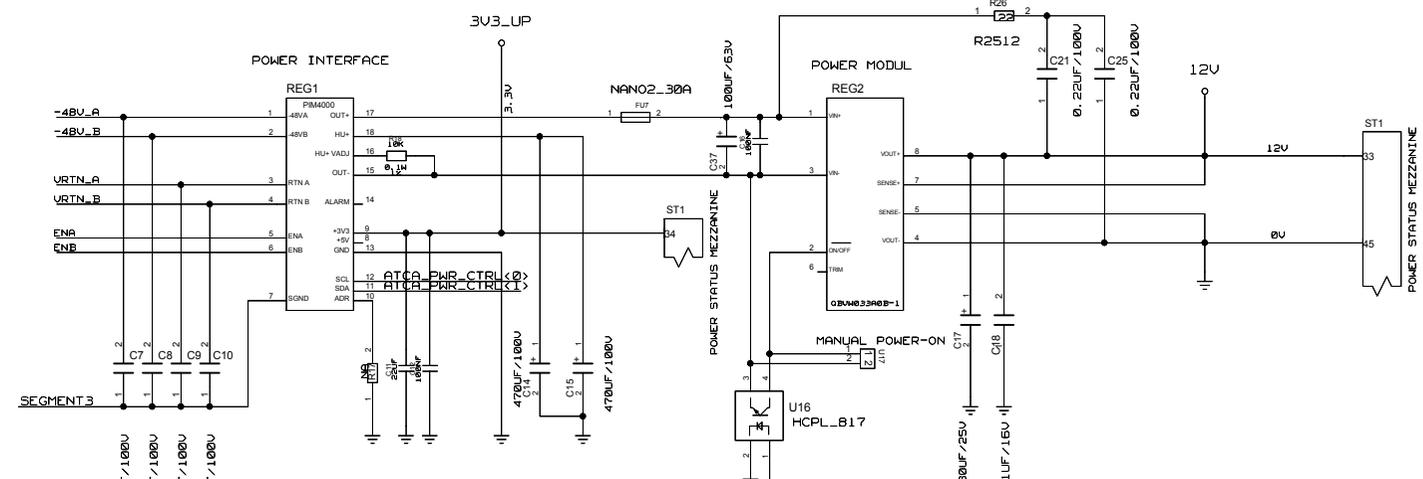
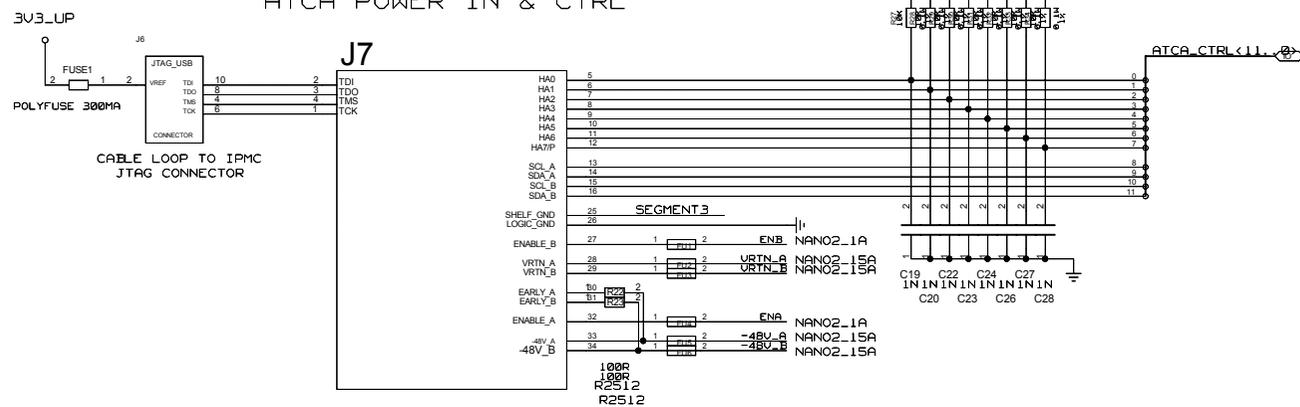
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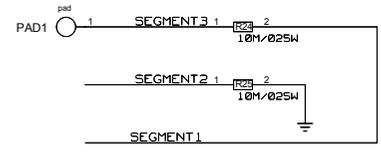
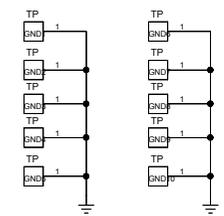
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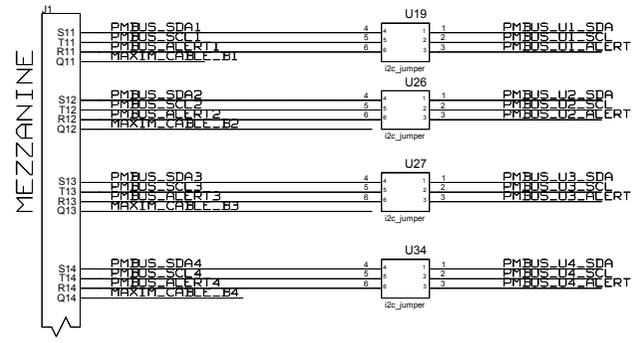
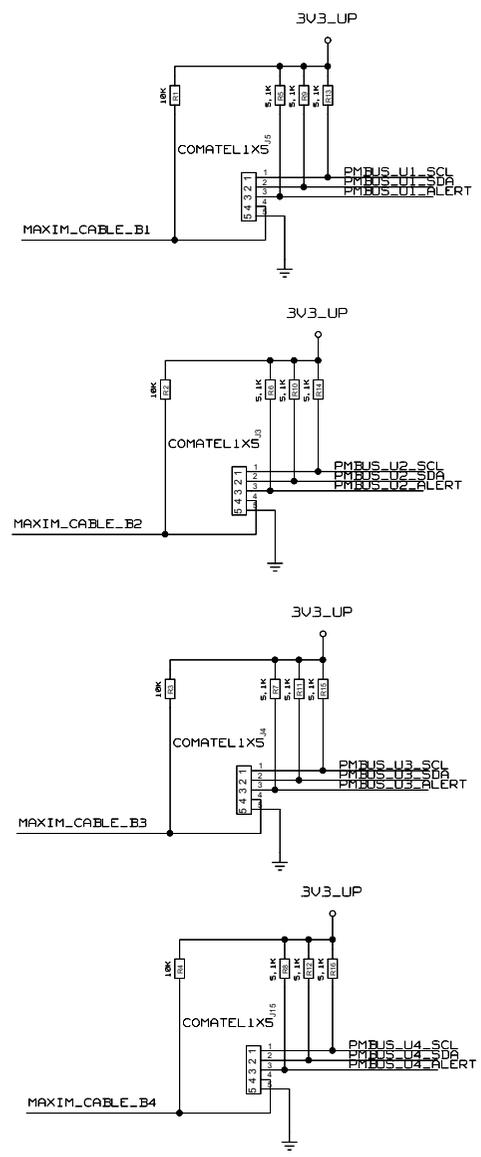


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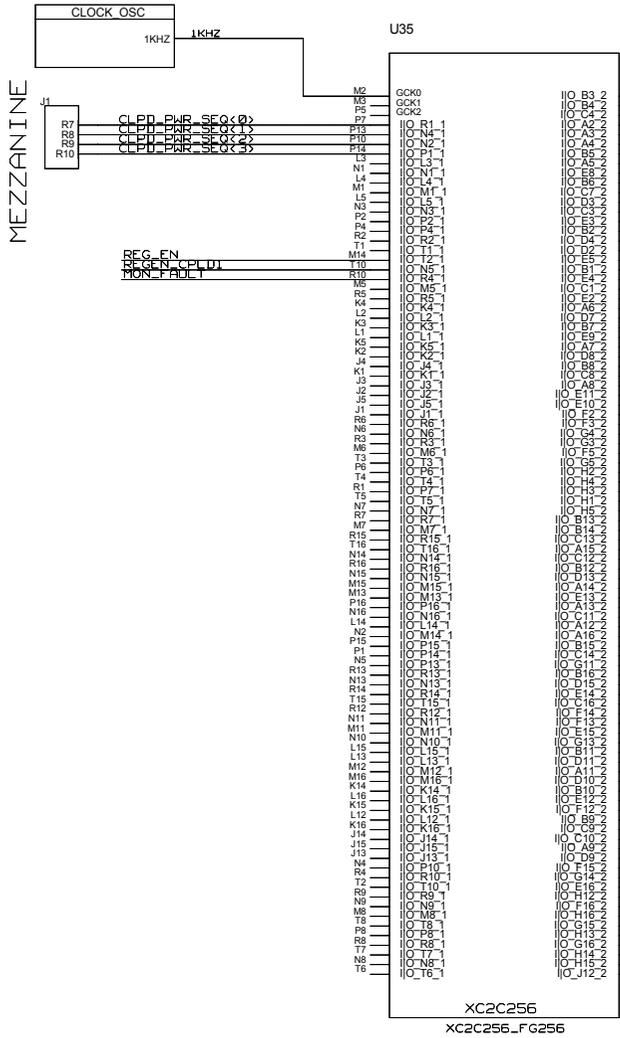
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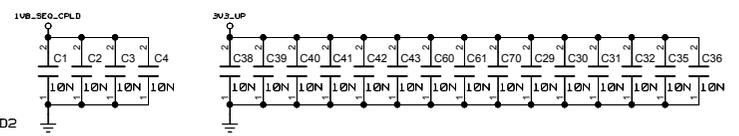
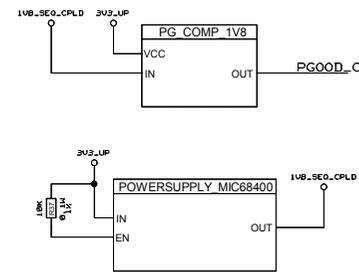
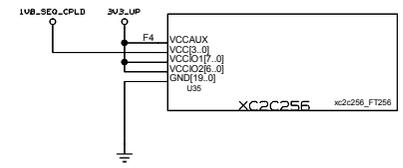
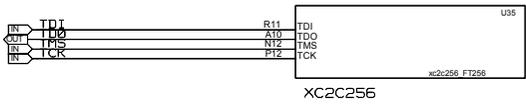
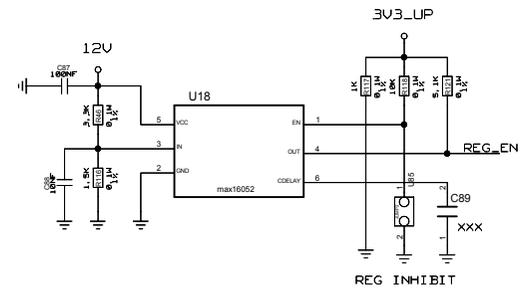
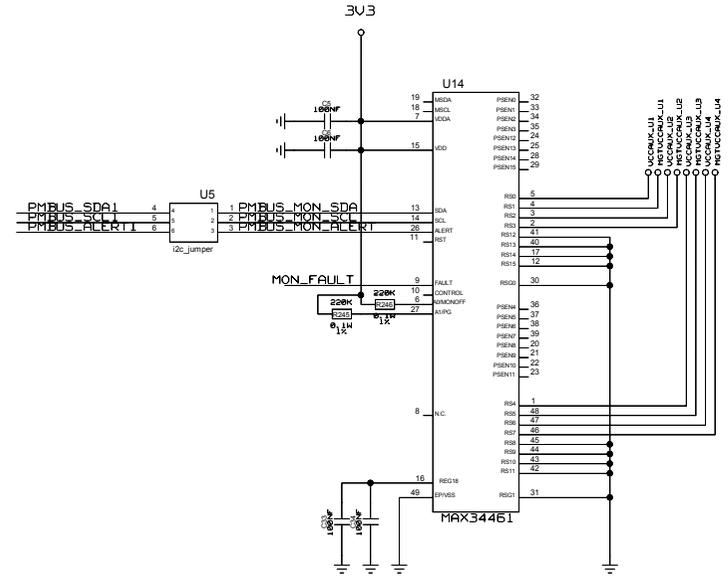
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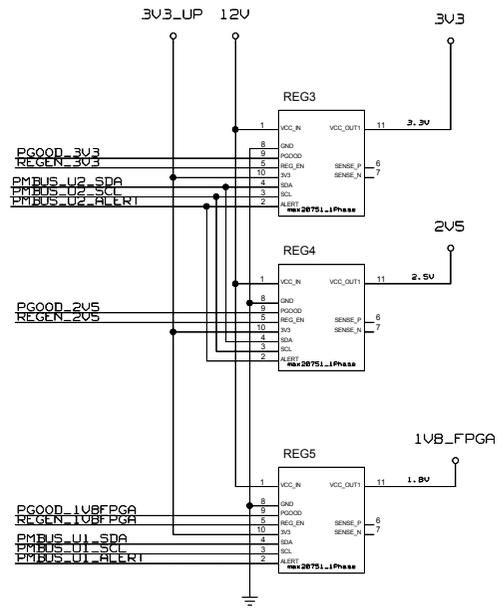


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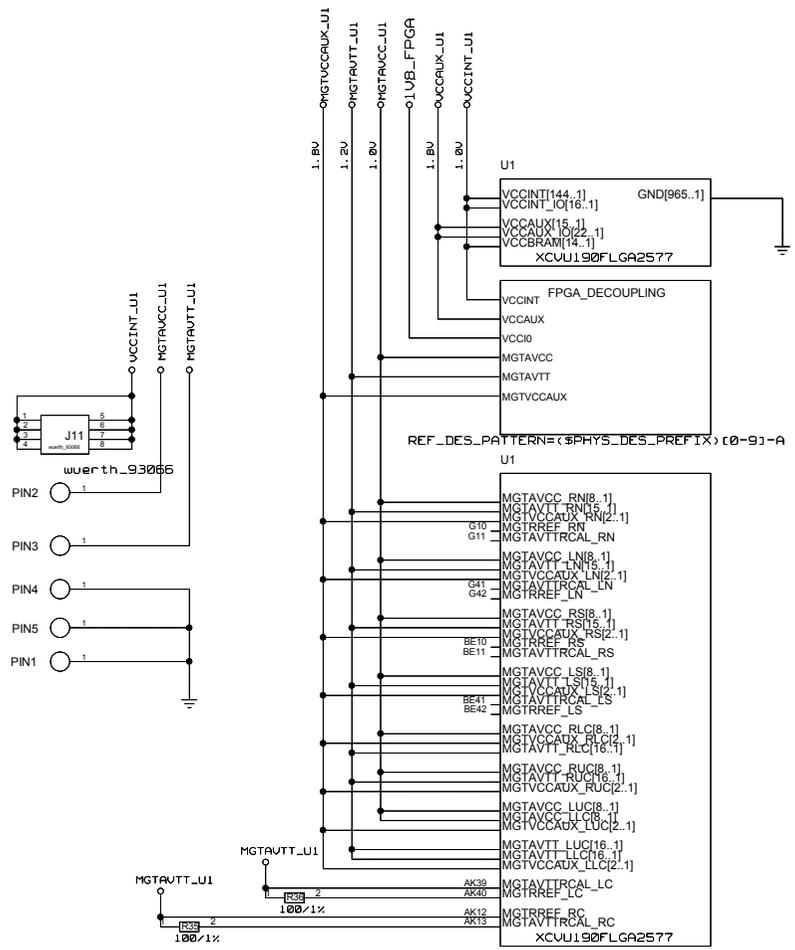
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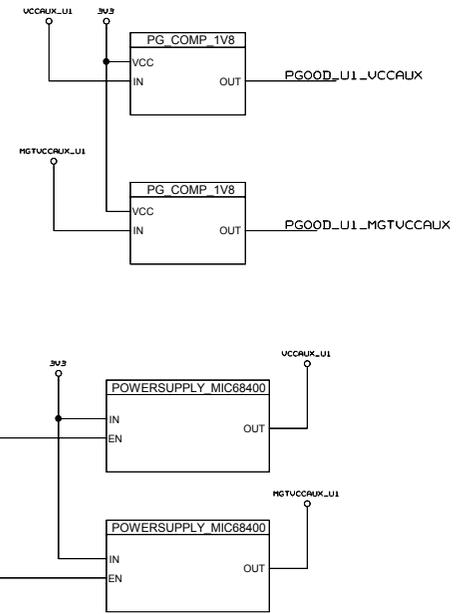
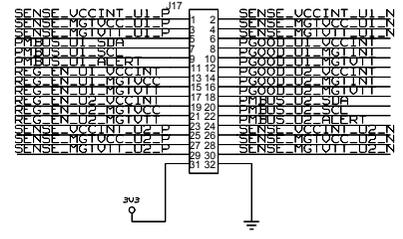
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UNIVERSITY OF MAINZ				SCALE		SHEET OF

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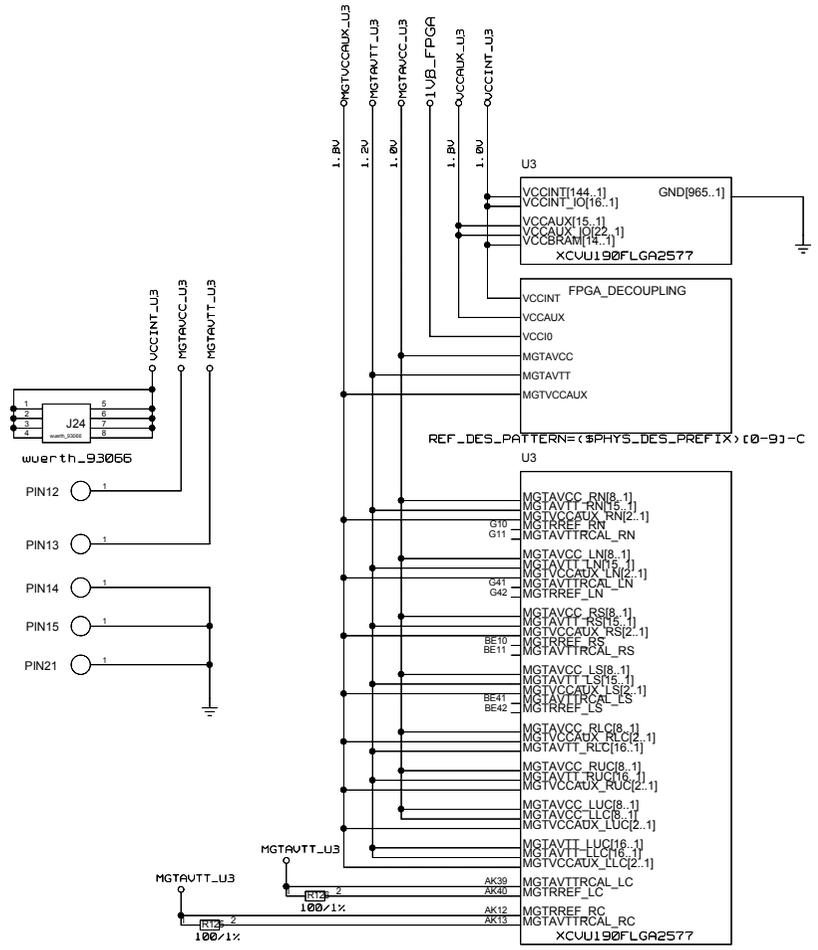
TRACE LENGTH FROM RESISTOR PINS  
TO PIN SAME LENGTH  
UGS76 SHEET 297



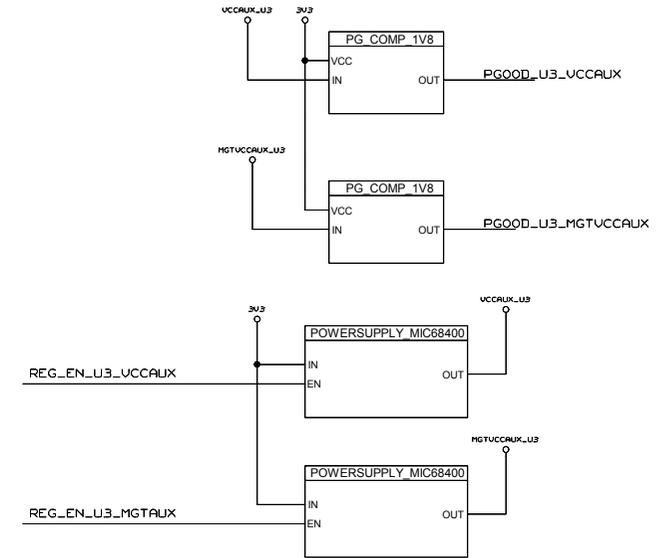
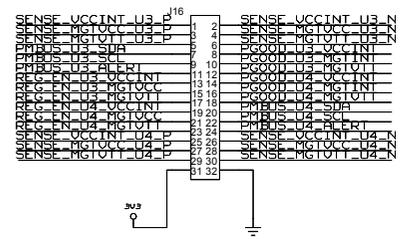
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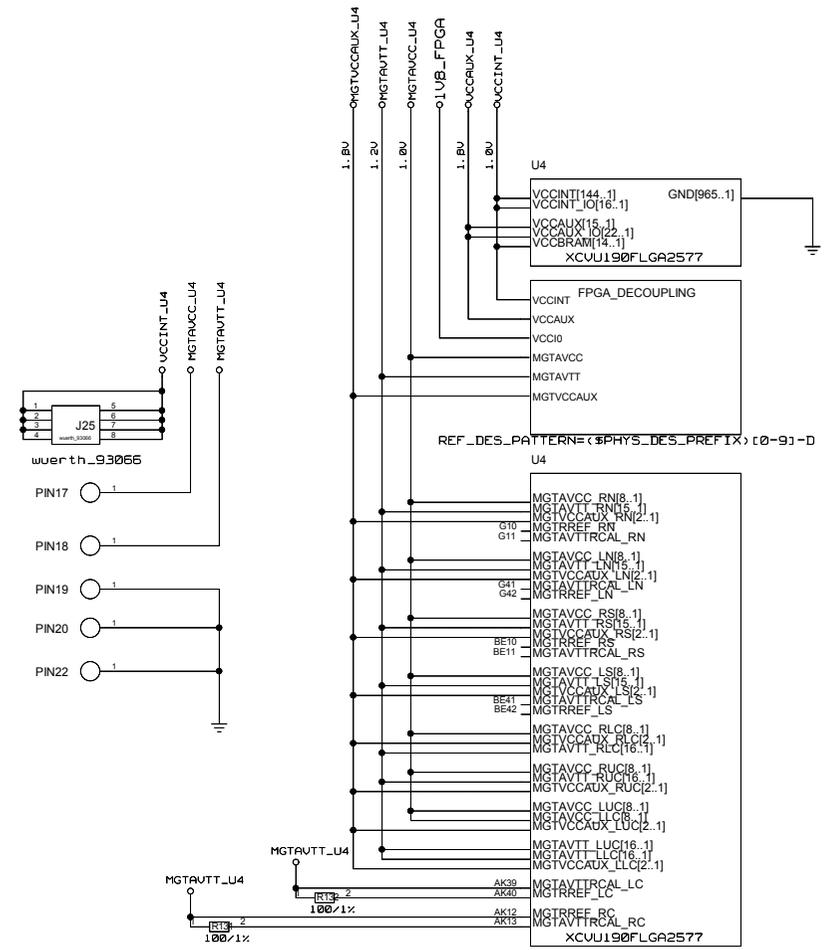


TRACE LENGTH FROM RESISTOR PINS  
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UG576 SHEET 297

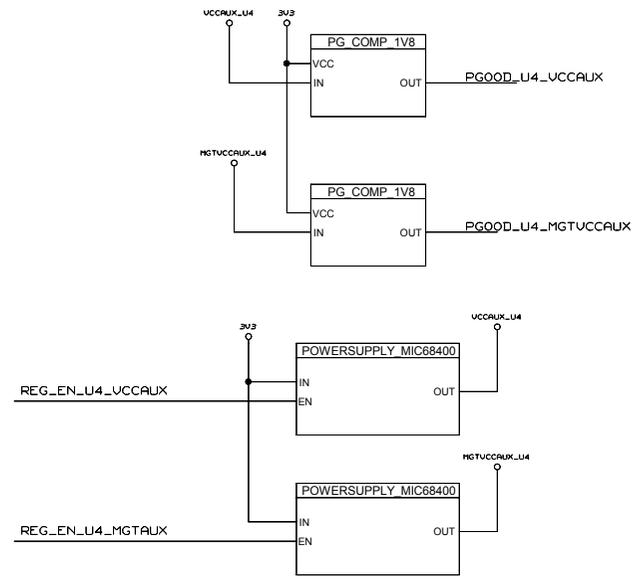


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ZONE	LTR	DESCRIPTION	DATE	APPR.



TRACE LENGTH FROM RESISTOR PINS  
TO PIN SAME LENGTH  
UG576 SHEET 297



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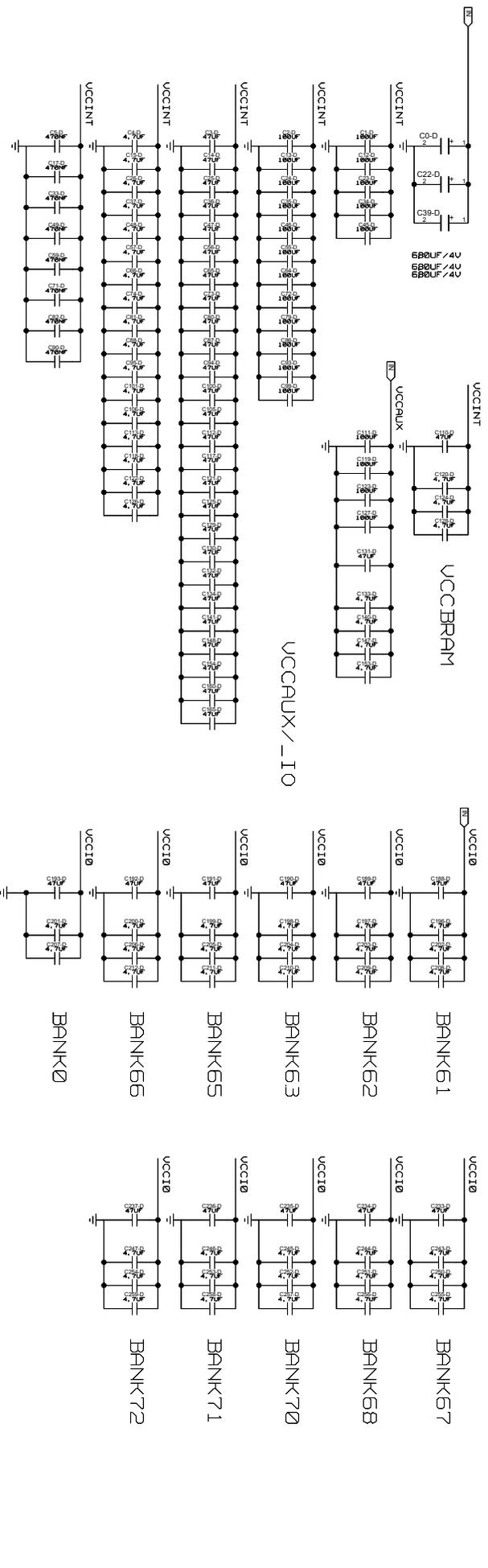
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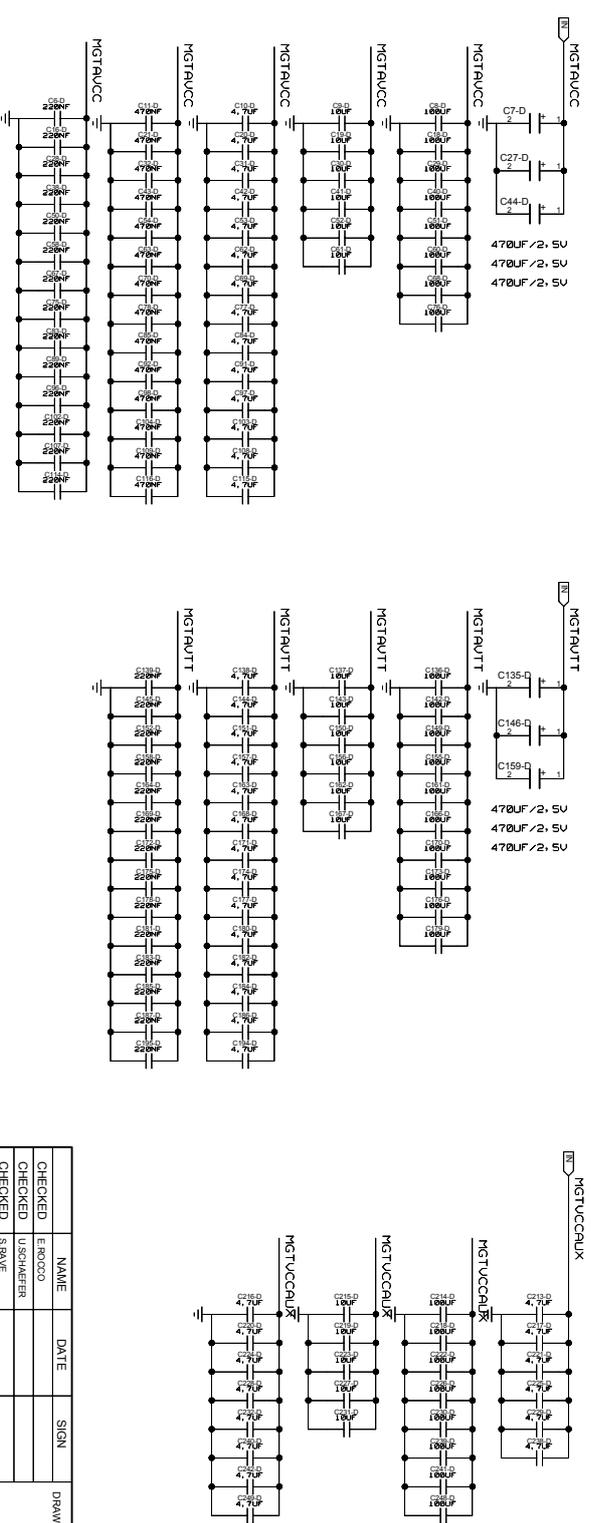




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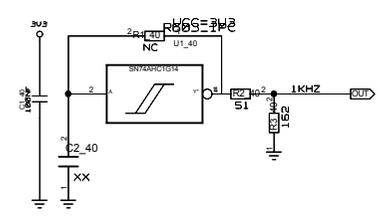
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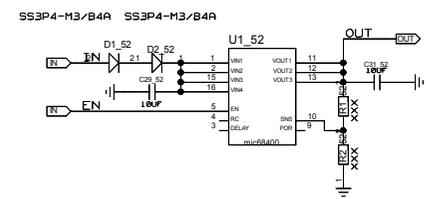
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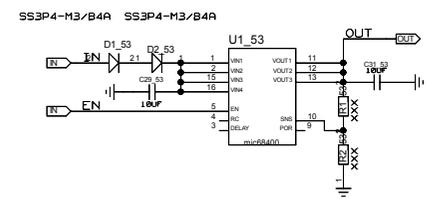
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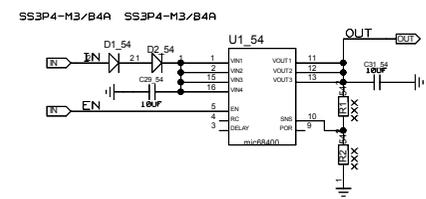
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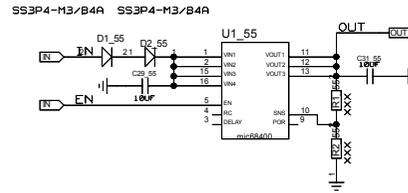
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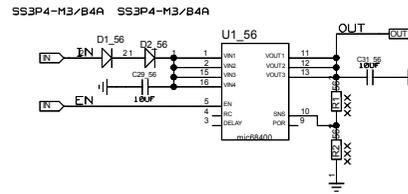
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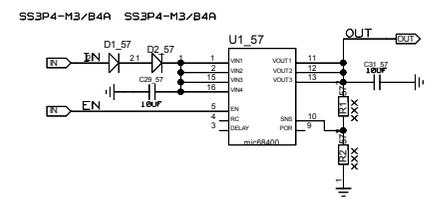
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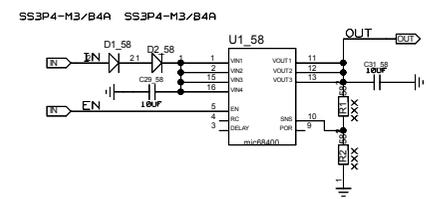
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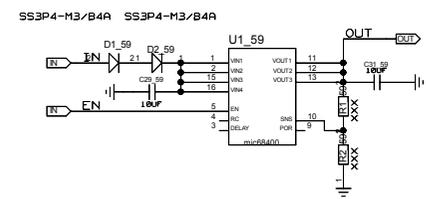
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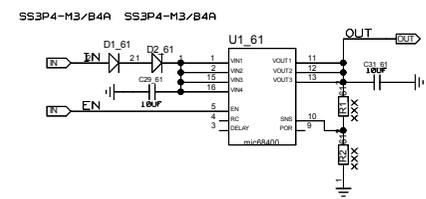
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ZONE	LTR	DESCRIPTION	DATE	APPR.



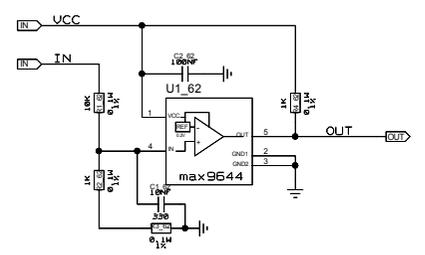
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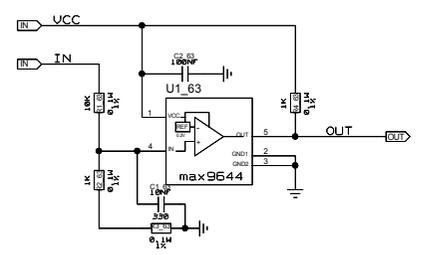
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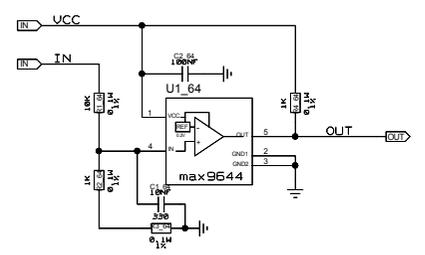
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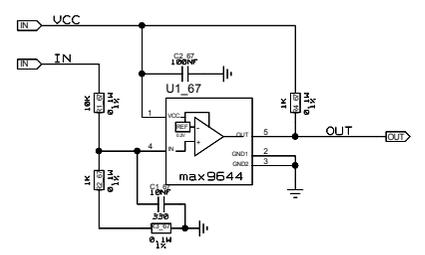
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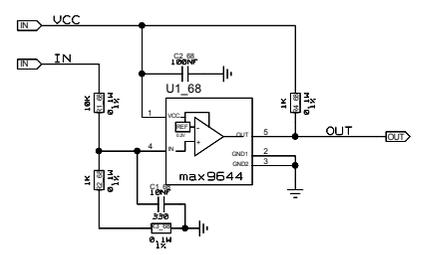
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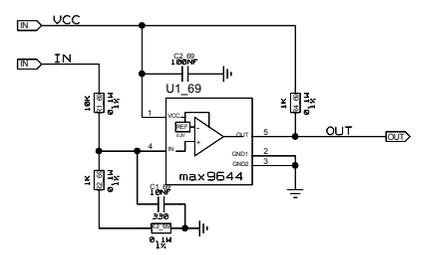
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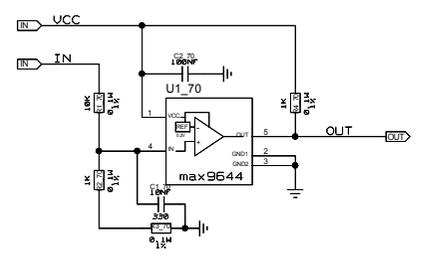
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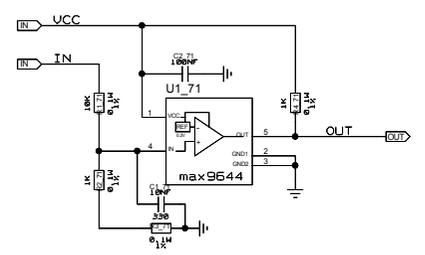
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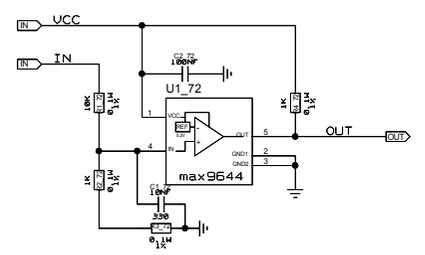
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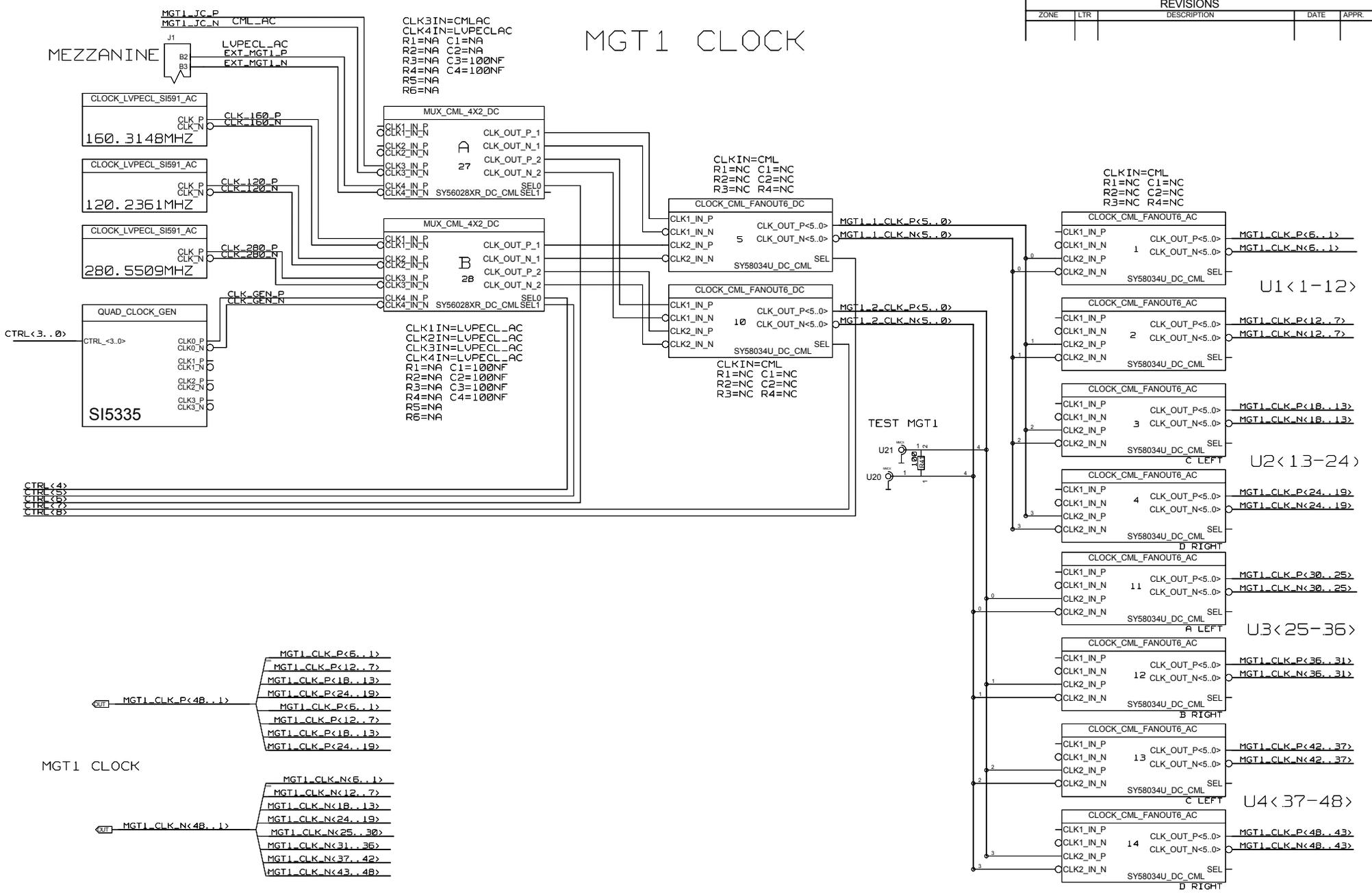
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SCALE				SHEET OF

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

# MGT1 CLOCK



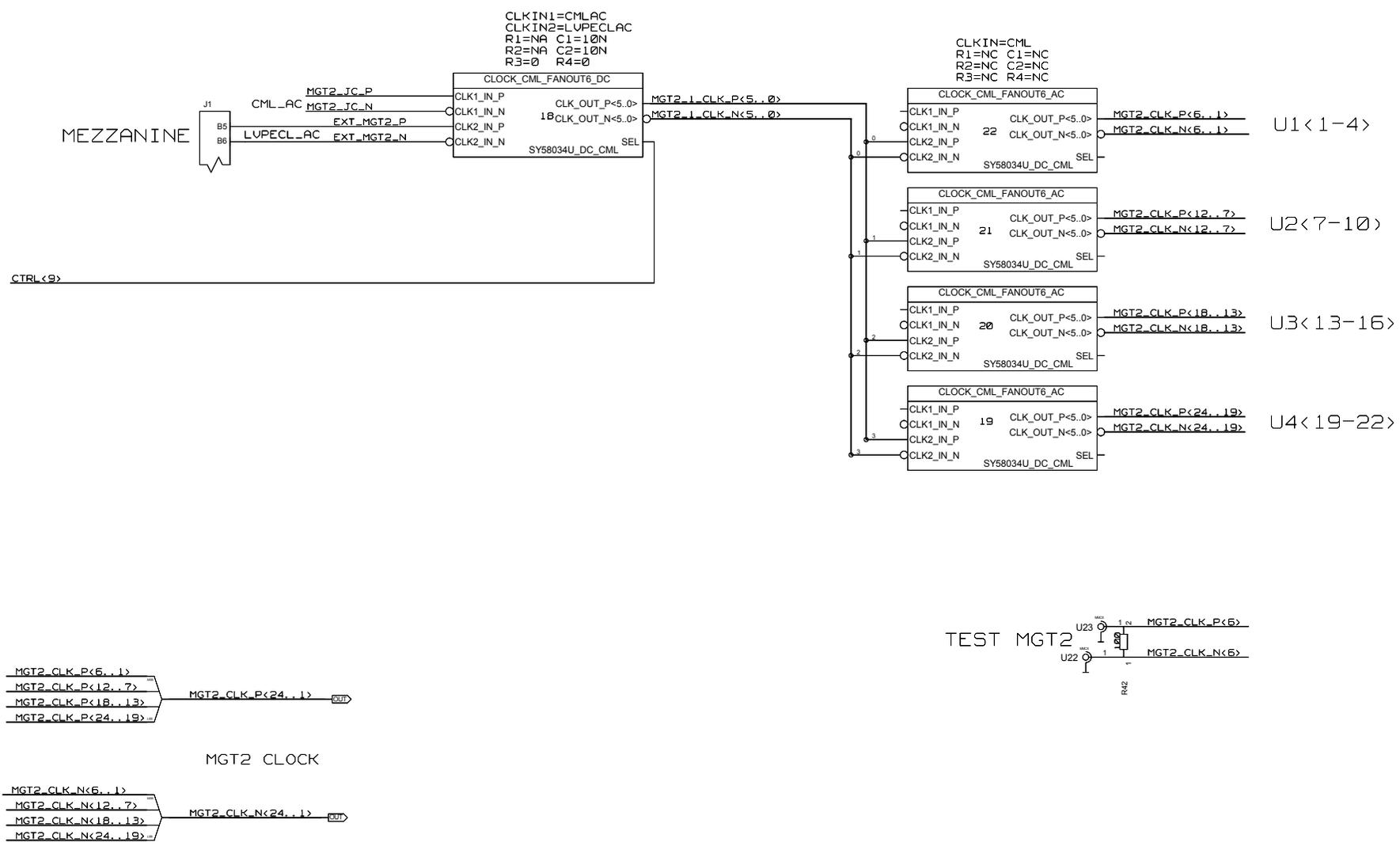
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- CTRL<4>  
CTRL<5>  
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- MGT1\_CLK\_P<5..1>  
MGT1\_CLK\_P<12..7>  
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MGT1\_CLK\_P<24..19>  
MGT1\_CLK\_P<30..25>  
MGT1\_CLK\_P<36..31>  
MGT1\_CLK\_P<42..37>  
MGT1\_CLK\_P<48..43>
- MGT1\_CLK\_N<5..1>  
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MGT1\_CLK\_N<36..31>  
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- CTRL<14..0>

NAME	DATE	SIGN	DRAWING TITLE
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CHECKED U.SCHAEFER			
CHECKED S.RAVE			
DRAWN BAUSS	17.08.2015		
BLOCK TITLE			DRAWING NO.
CLOCK			UNIVERSITY OF MAINZ
SIZE	REV.	DRAWING NO.	
C			
SCALE			SHEET 1 OF 5

UPDATE PICK & PLACE DATA FOR FANOUT AND MUX

# MGT2 CLOCK

ZONE		LTR	DESCRIPTION	DATE	APPR.

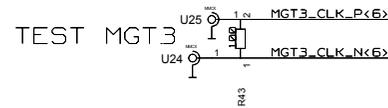
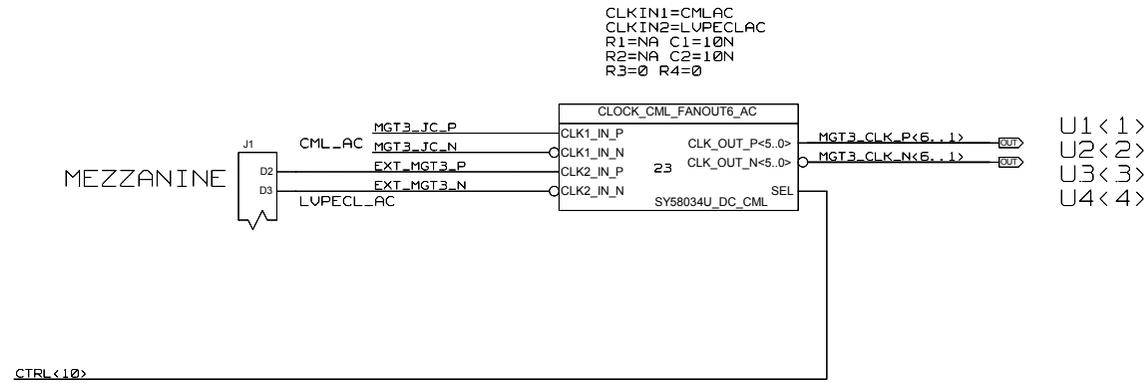


UPDATE PICK & PLACE DATA FOR FANOUT AND MUX

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	S.RAVE				
	BAUSS	17.08.2015			
BLOCK TITLE				SIZE	DRAWING NO.
CLOCK				<b>C</b>	
UNIVERSITY OF MAINZ				SCALE	SHEET 2 OF 5

# MGT3 CLOCK

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

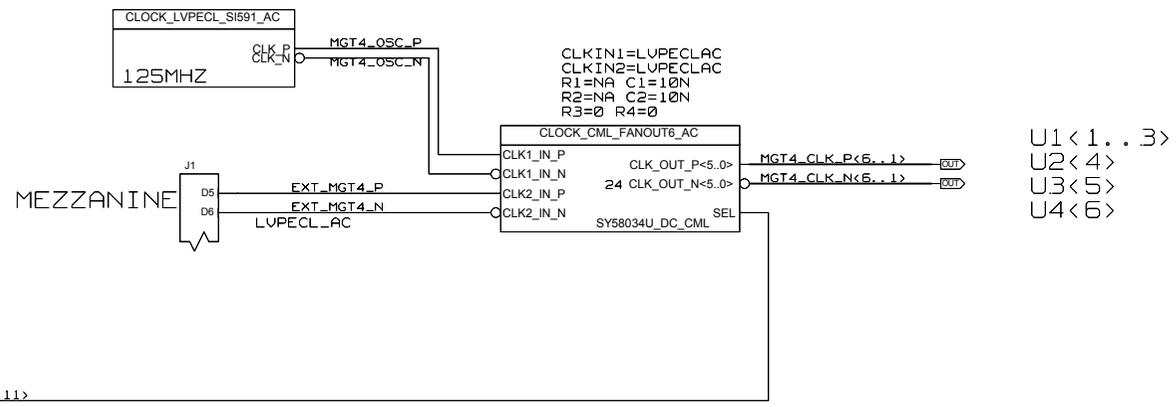


UPDATE PICK & PLACE DATA FOR FANOUT AND MUX

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CHECKED	S.RAVE				
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SCALE				SHEET 3 OF 5	

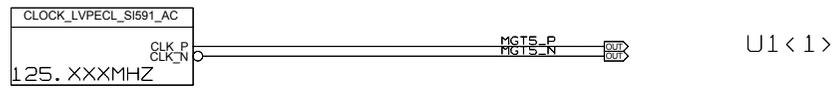
# MGT4 CLOCK

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



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- U4<6>

# MGT5 CLOCK

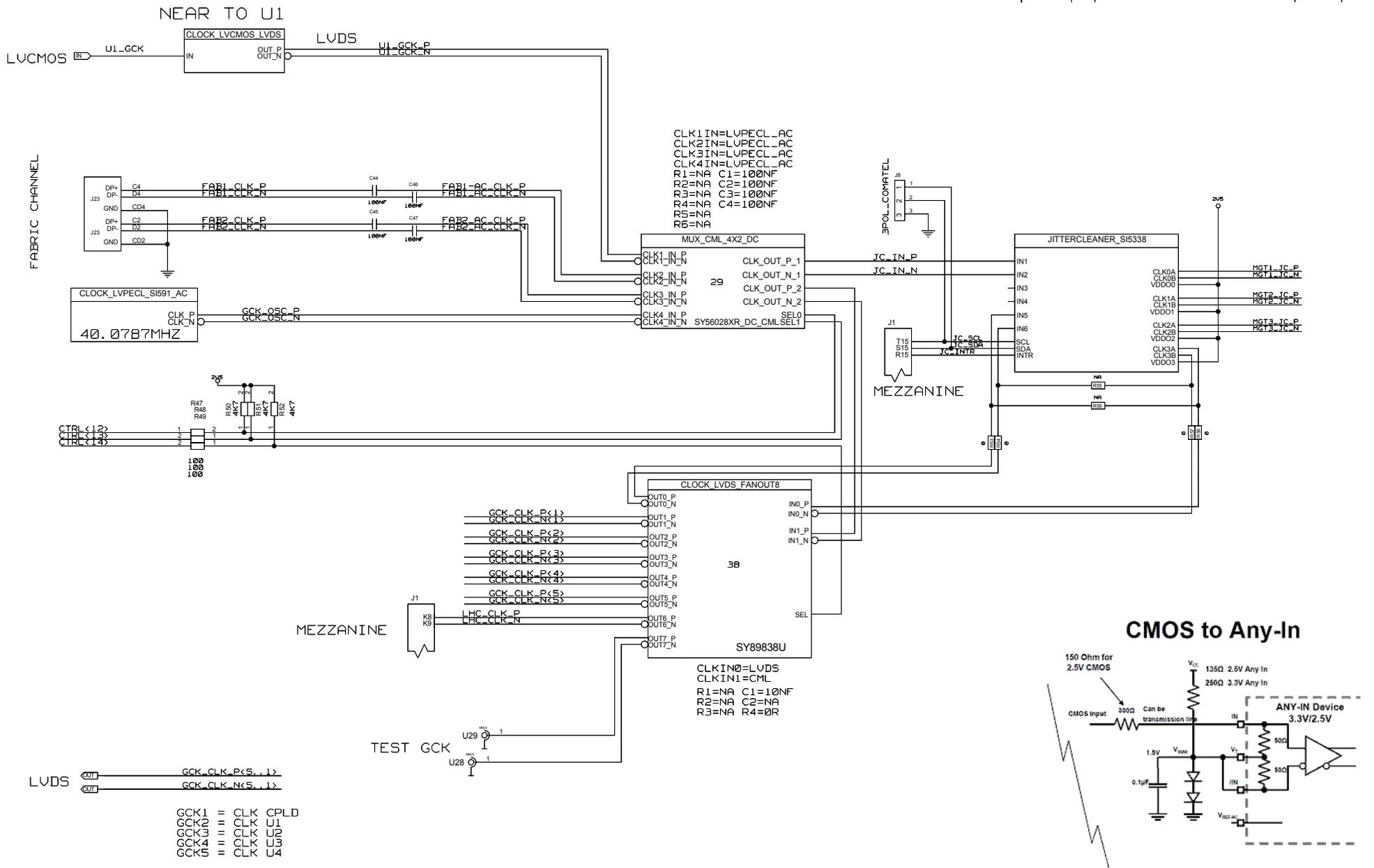


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CHECKED	S.RAVE			
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SCALE				REV.
SHEET 4 OF 5				DRAWING NO.

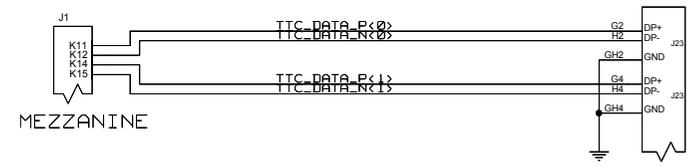
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ZONE	LTR	DESCRIPTION	DATE	APPR.



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- GCK2 = CLK U1
- GCK3 = CLK U2
- GCK4 = CLK U3
- GCK5 = CLK U4

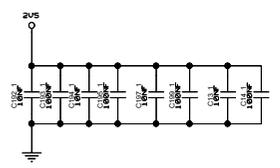
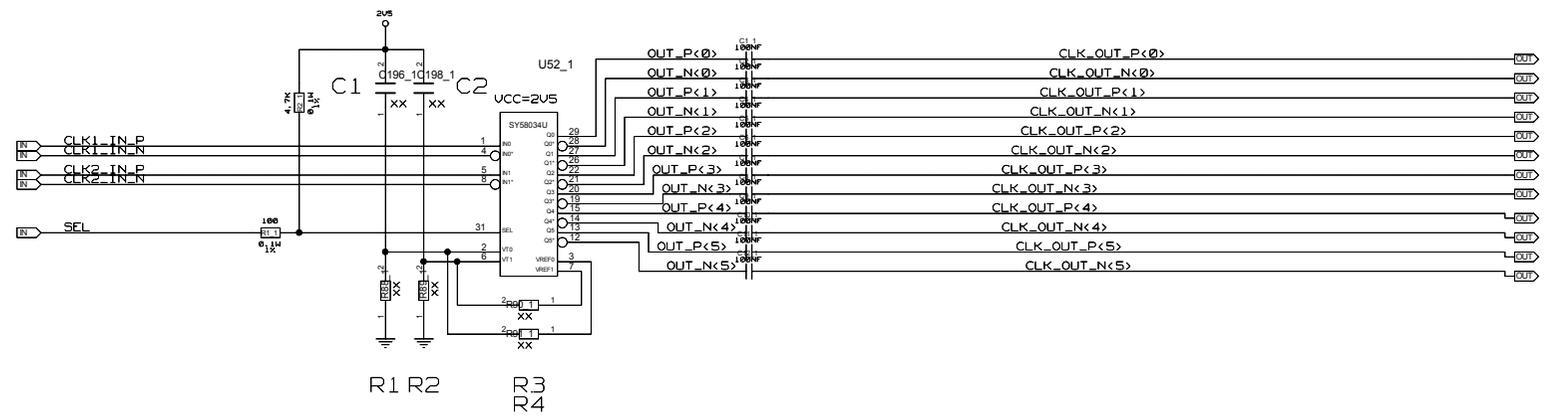
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REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

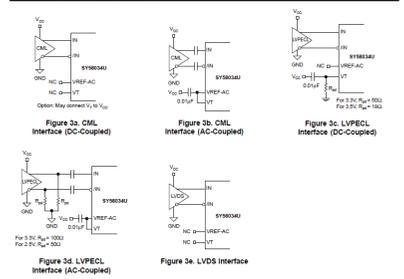


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REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

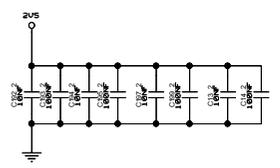
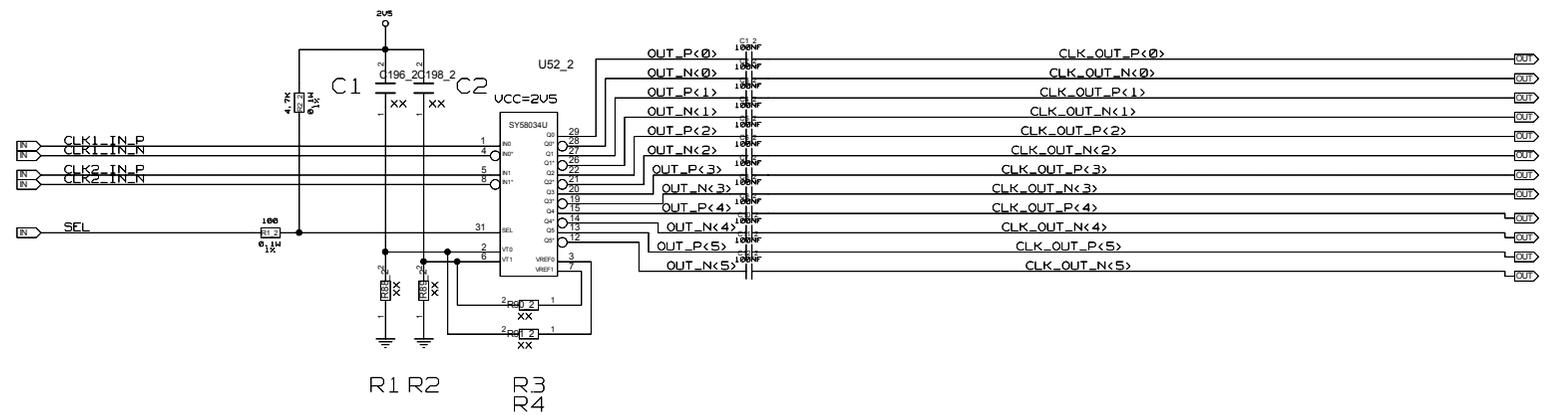


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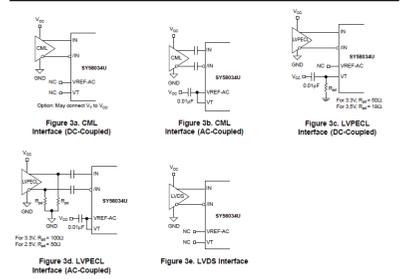


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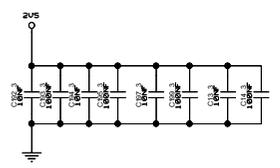
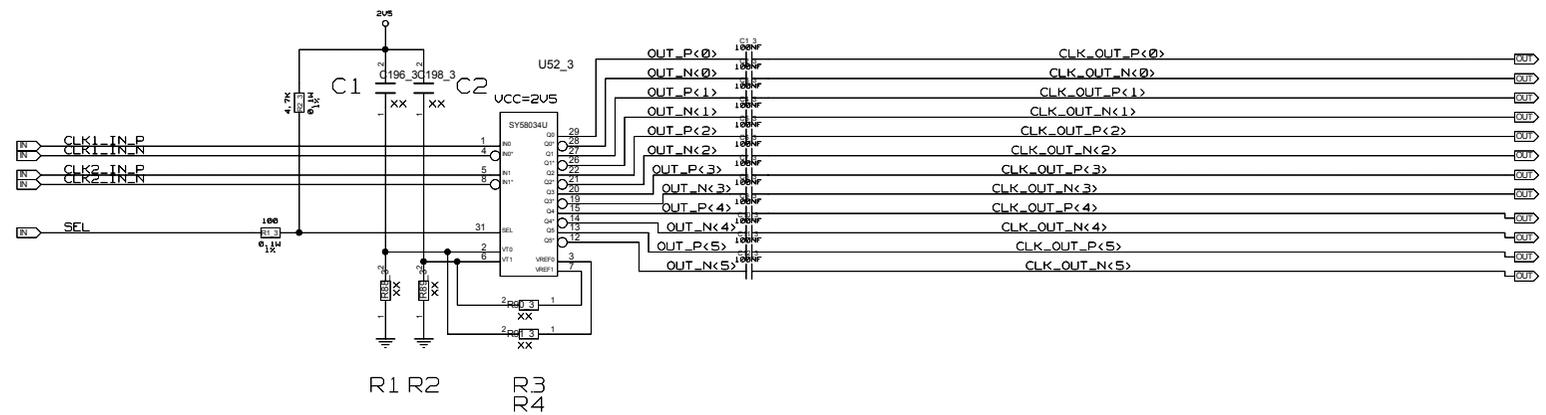


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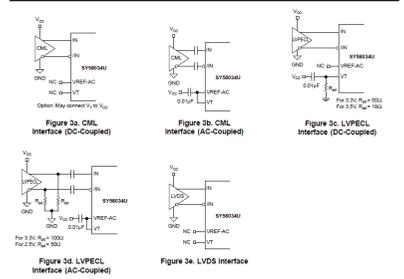


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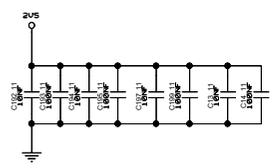
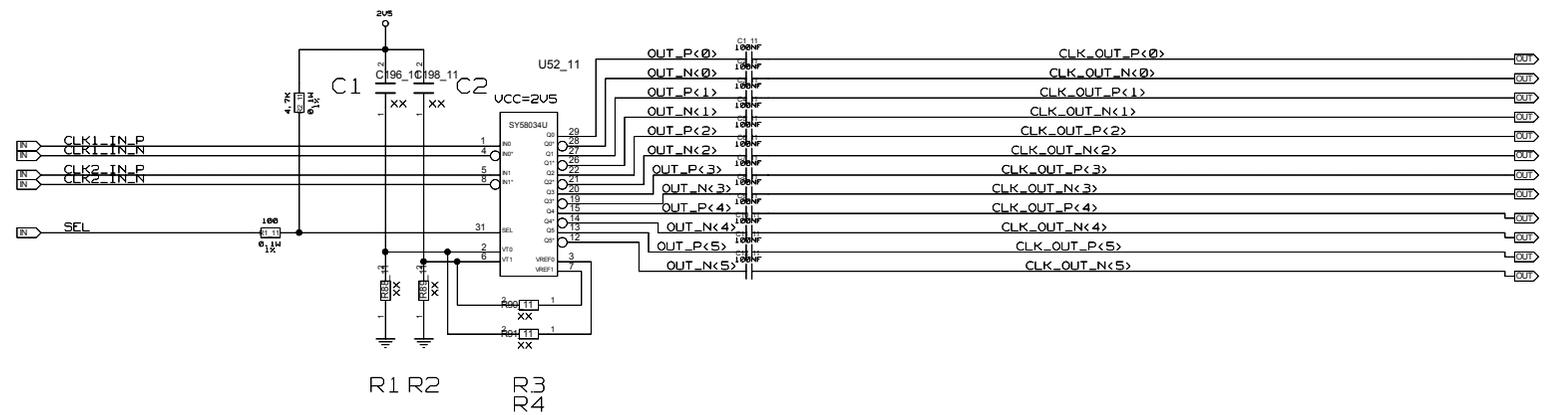


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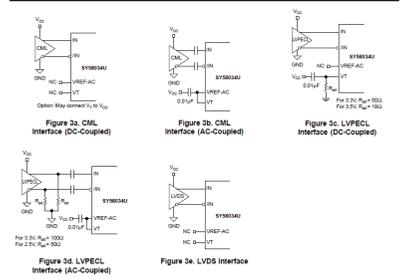


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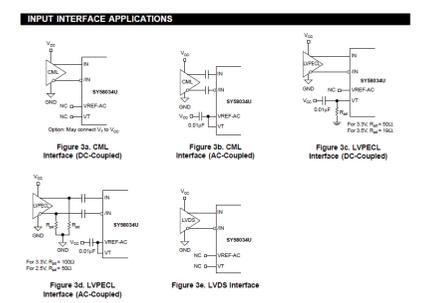
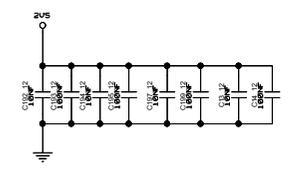
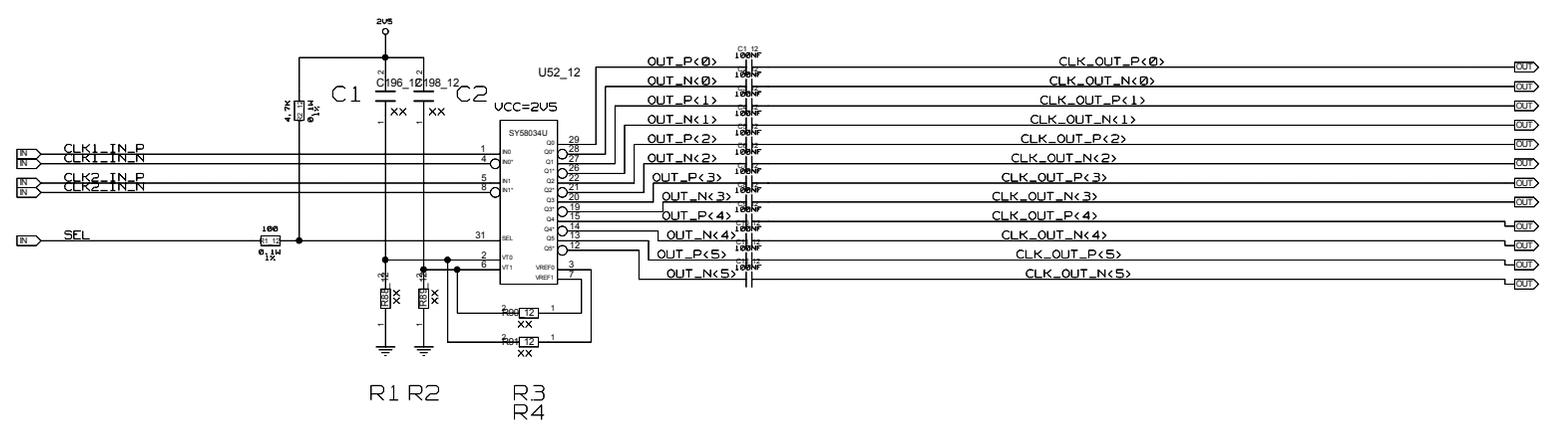


**INPUT INTERFACE APPLICATIONS**



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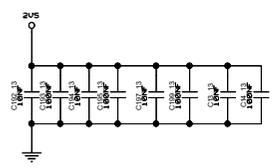
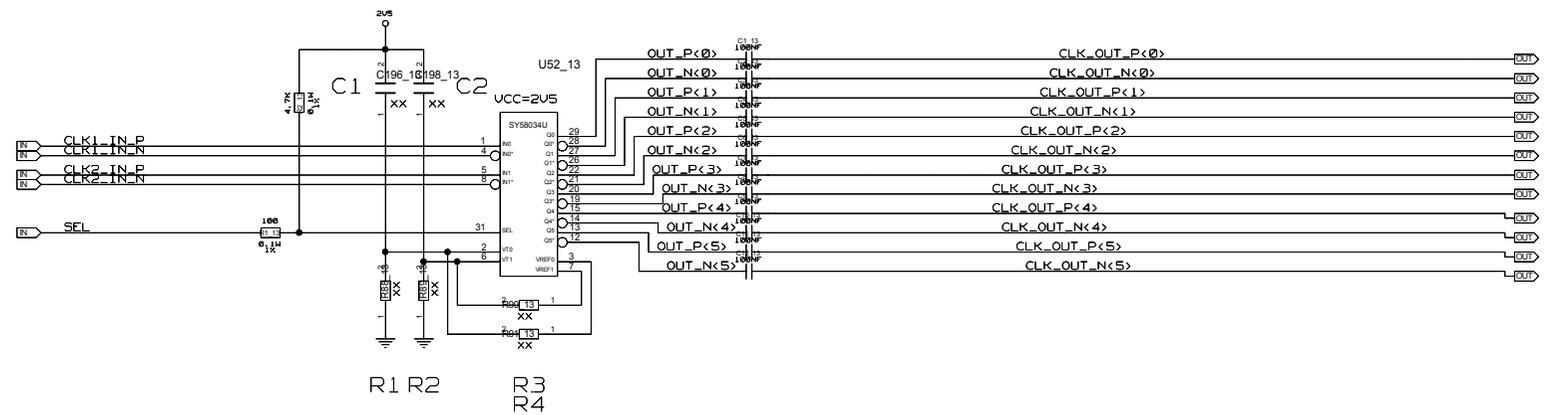
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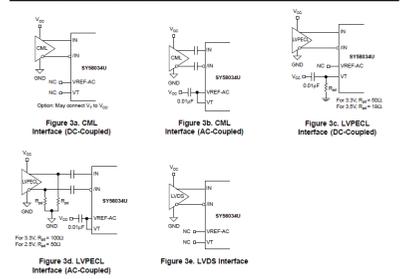
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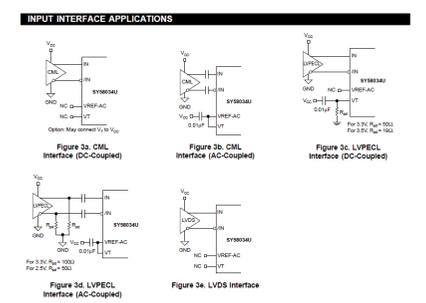
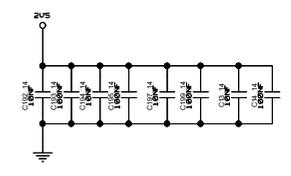
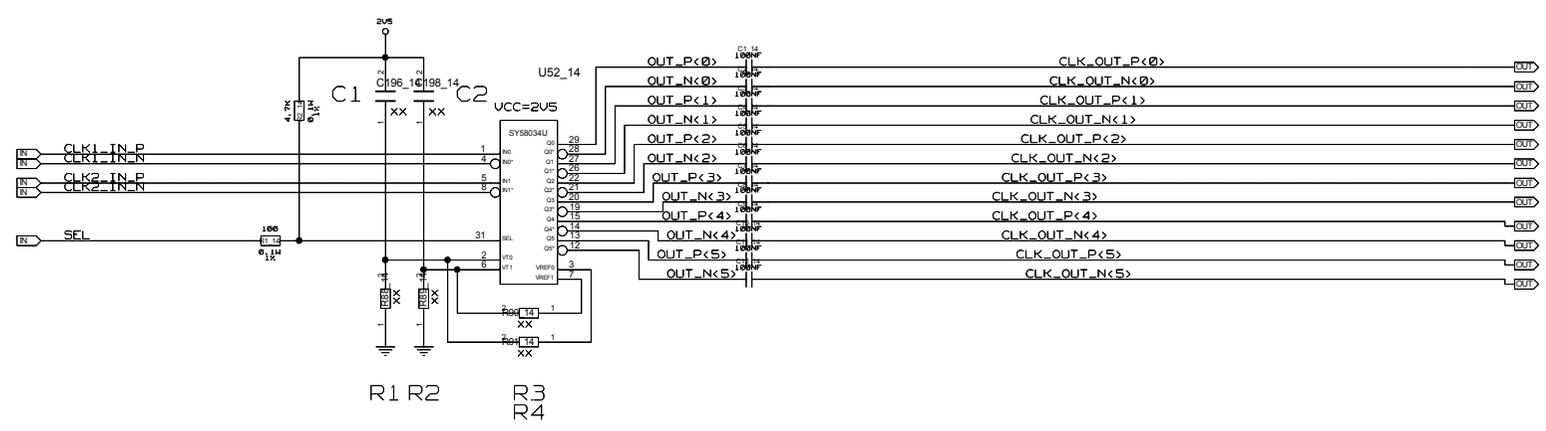


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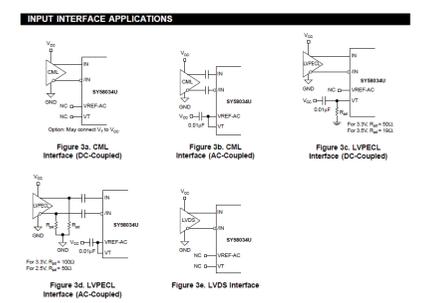
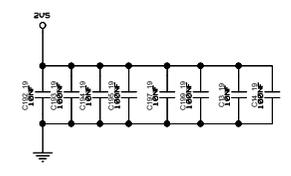
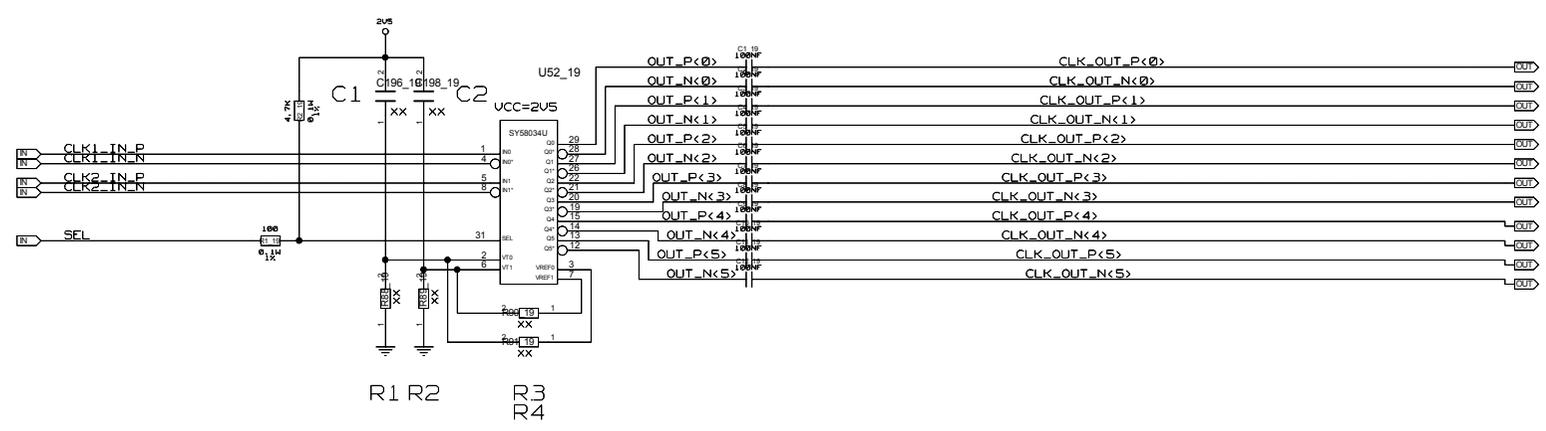
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DRAWN	BAUSS			
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SCALE				SHEET OF

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



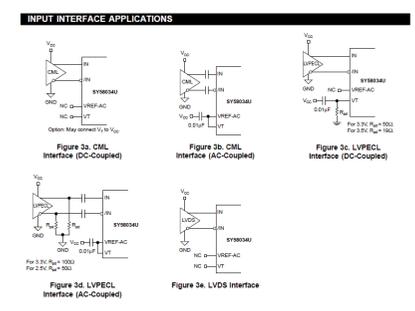
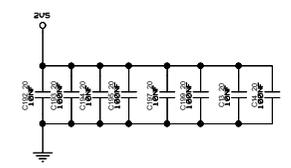
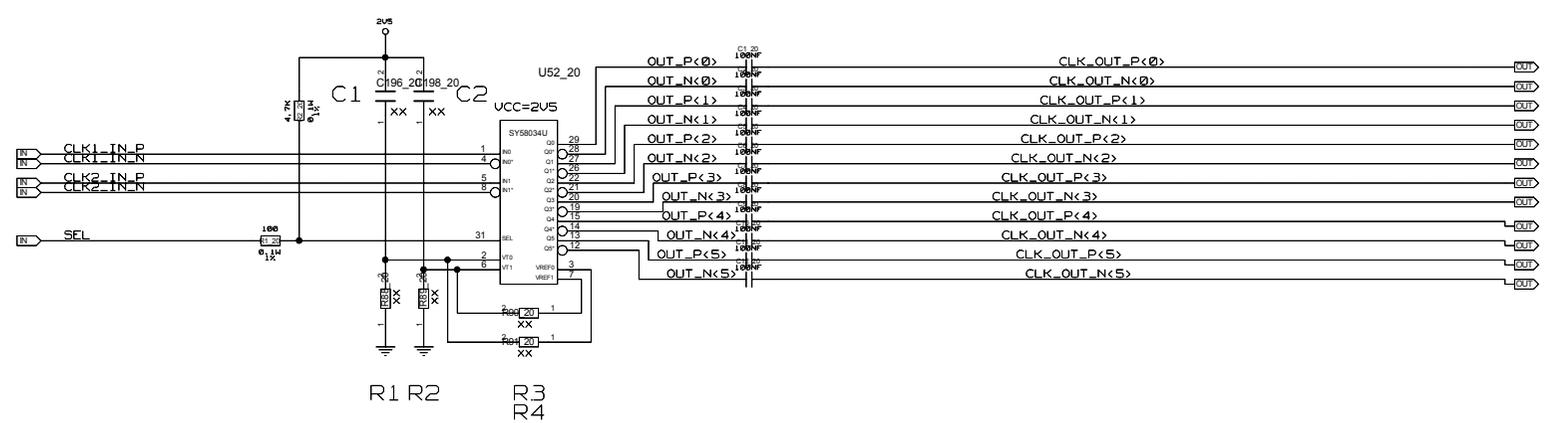
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UNIVERSITY OF MAINZ		SIZE <b>C</b>	REV.	DRAWING NO.
SCALE				SHEET OF

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



CHECKED	NAME	DATE	SIGN	DRAWING TITLE  <b>CLOCK</b>
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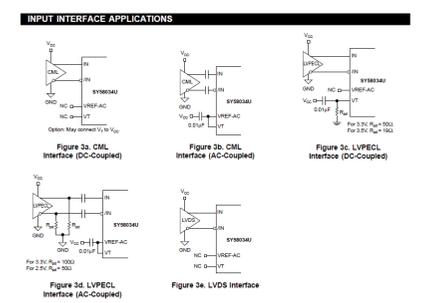
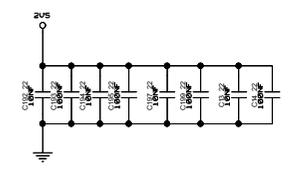
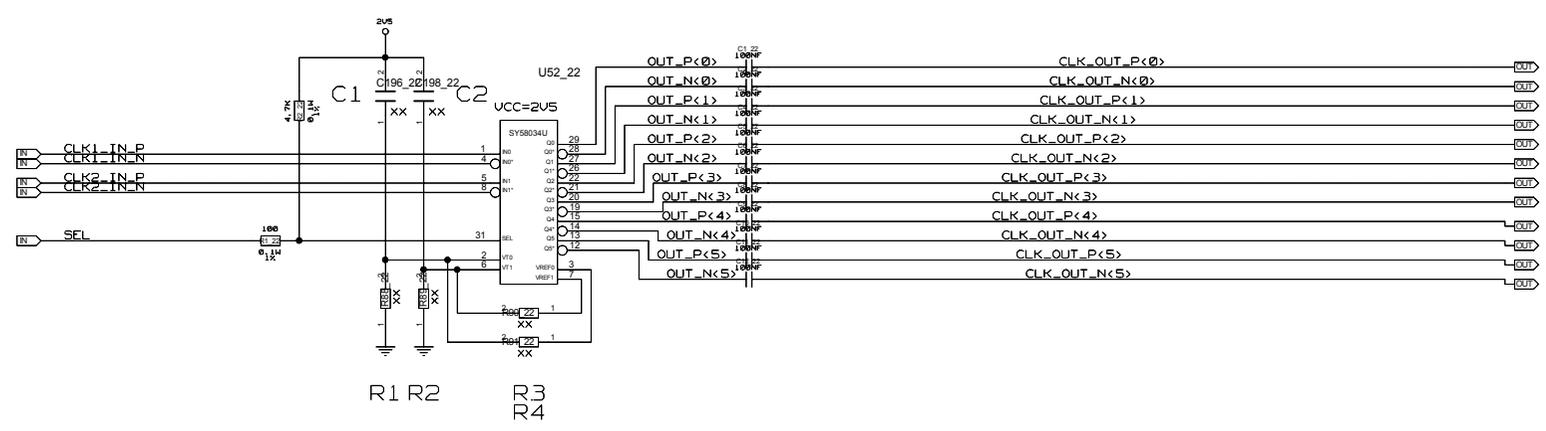
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ZONE	LTR	DESCRIPTION	DATE	APPR.



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CHECKED	S.RAVE			
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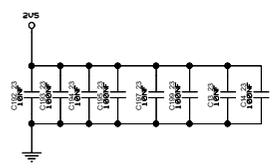
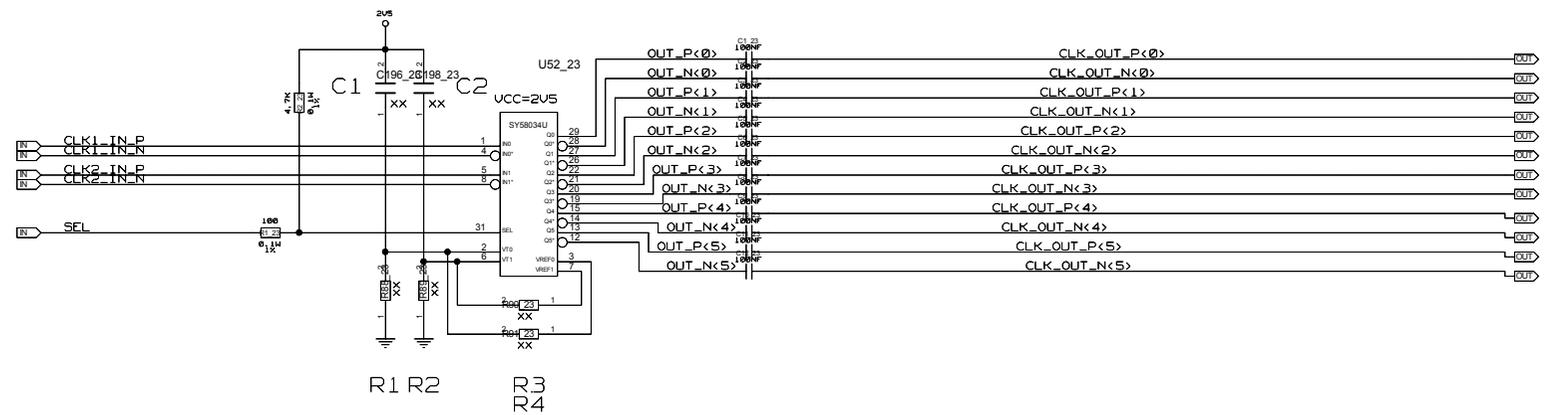


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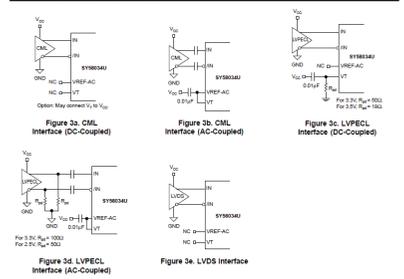


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CHECKED	U.SCHAEFER			
CHECKED	S.RAVE			
DRAWN	BAUSS			
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SCALE				DRAWING NO.
				SHEET OF

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ZONE	LTR	DESCRIPTION	DATE	APPR.

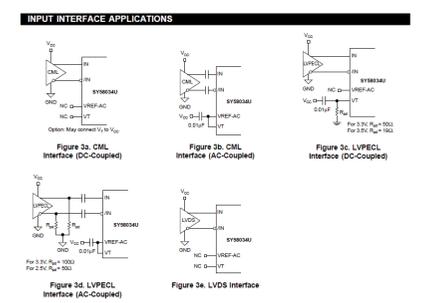
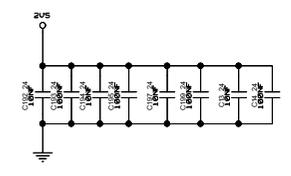
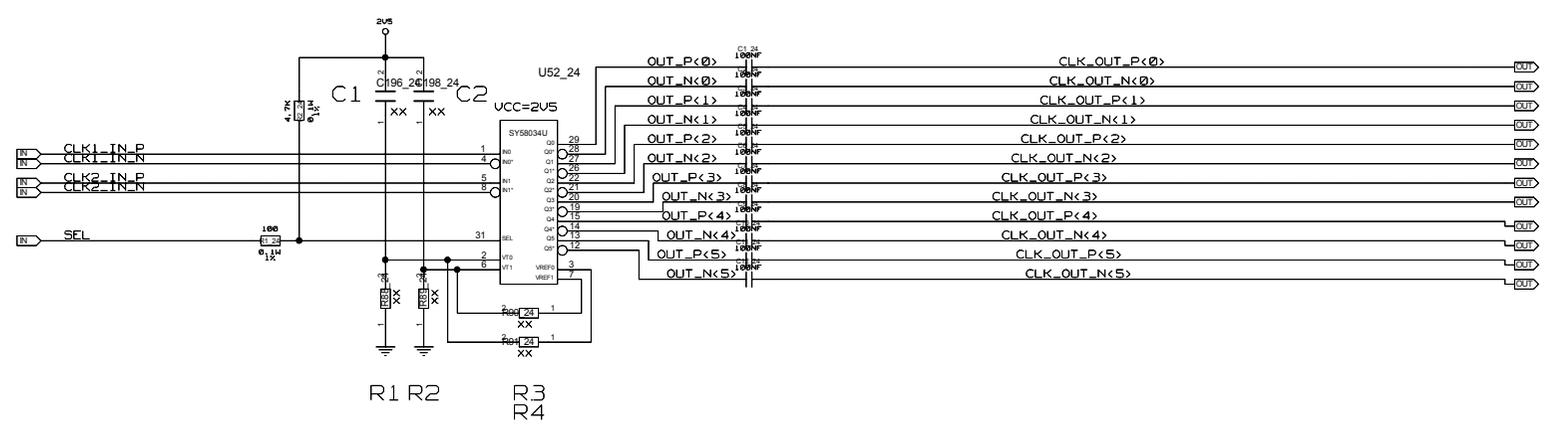


**INPUT INTERFACE APPLICATIONS**



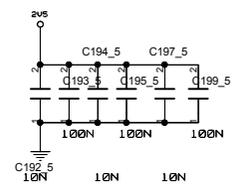
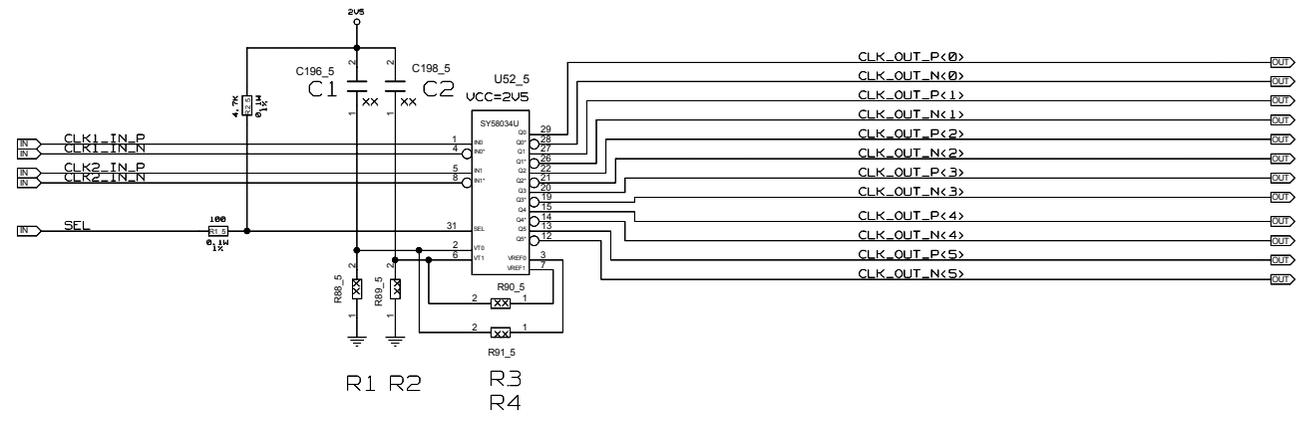
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CHECKED	S.RAVE			
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SCALE				DRAWING NO.
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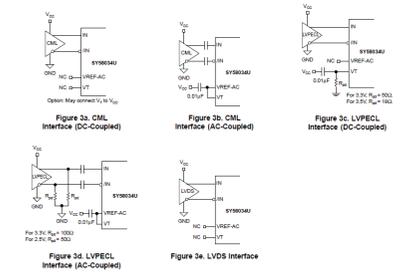


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	U.SCHAEFER				
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	BAUSS				
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ZONE	LTR	DESCRIPTION	DATE	APPR.

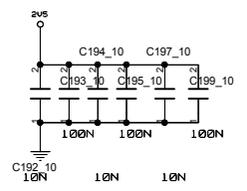
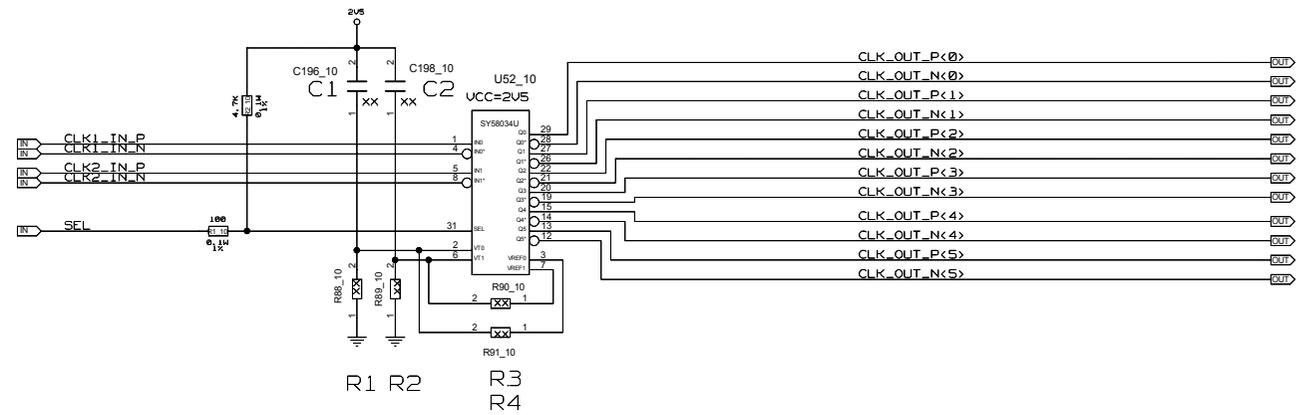


**INPUT INTERFACE APPLICATIONS**

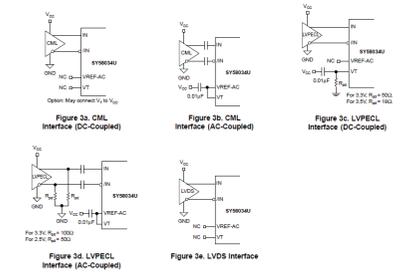


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CHECKED	U.SCHAEFER			
CHECKED	S.RAVE			
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ZONE	LTR	DESCRIPTION	DATE	APPR.

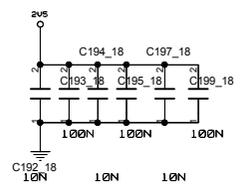
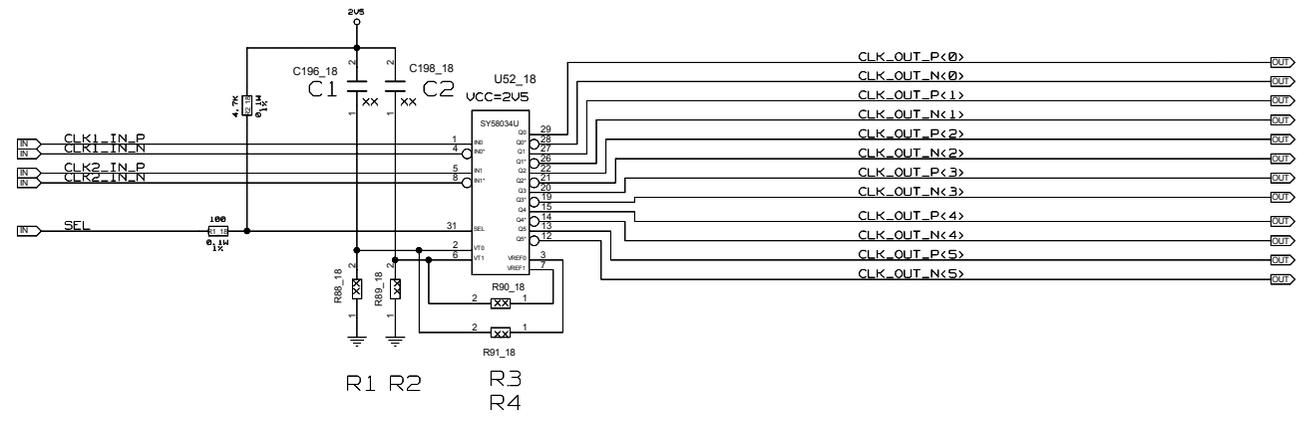


**INPUT INTERFACE APPLICATIONS**

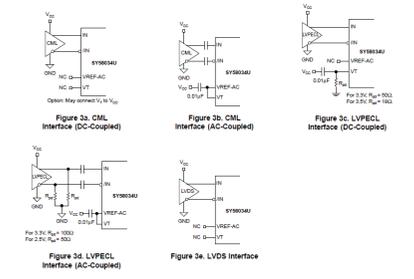


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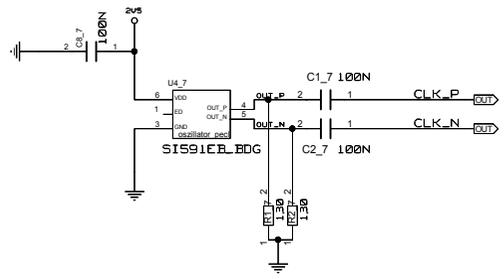


**INPUT INTERFACE APPLICATIONS**



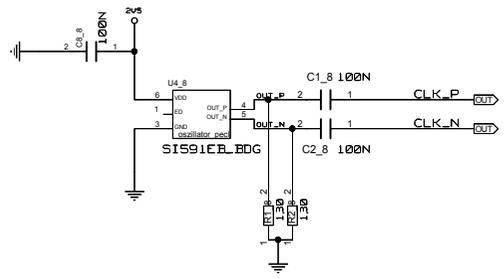
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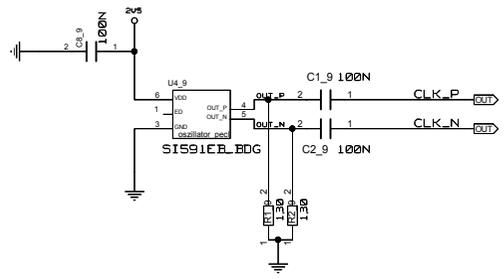
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DRAWN	BAUSS			
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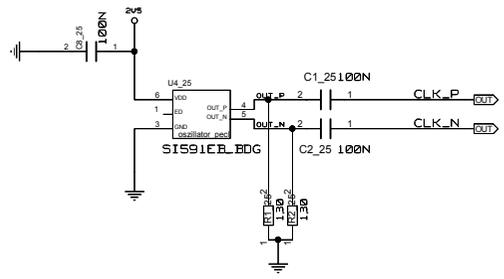
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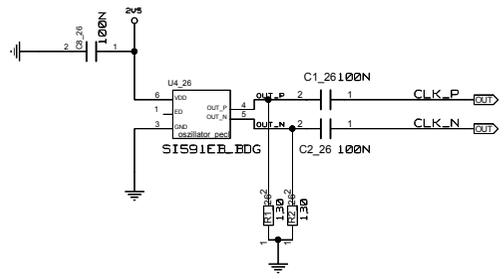
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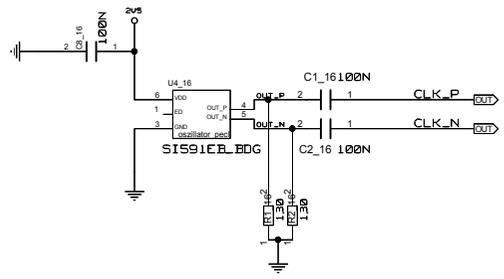
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DRAWN	BAUSS				
BLOCK TITLE				SIZE	REV.
CLOCK_LVPECL_AC				C	
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ZONE	LTR	DESCRIPTION	DATE	APPR.



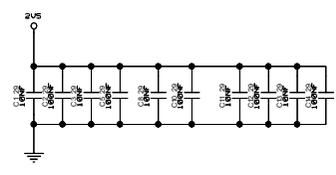
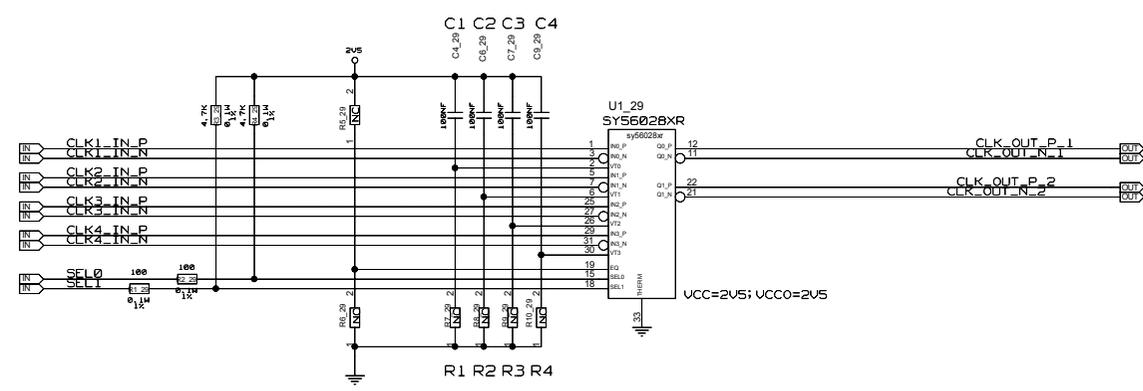
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SCALE				DRAWING NO.
			SHEET	OF

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



CHECKED	E.ROCCO	DATE	SIGN	DRAWING TITLE  <b>CLOCK</b>
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DRAWN	BAUSS			
BLOCK TITLE <b>CLOCK_LVPECL_AC</b>				
UNIVERSITY OF MAINZ		SIZE <b>C</b>	REV.	DRAWING NO.
SCALE				SHEET OF

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Input Interface Applications

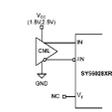


Figure 4b. CML Interface 100 Ω Differential (DC-Coupled, 1.8V, 2.5V)

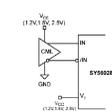


Figure 4c. CML Interface 80 Ω to VCC (DC-Coupled, 1.2V, 1.8V, 2.5V)

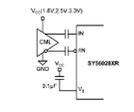


Figure 4c. CML Interface 80 Ω to VCC (DC-Coupled, 1.2V, 1.8V, 2.5V)

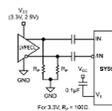


Figure 4d. LVPECL Interface (AC-Coupled)

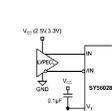


Figure 4e. LVPECL Interface (DC-Coupled 2.5V and 3.3V)

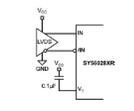
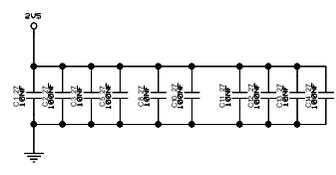
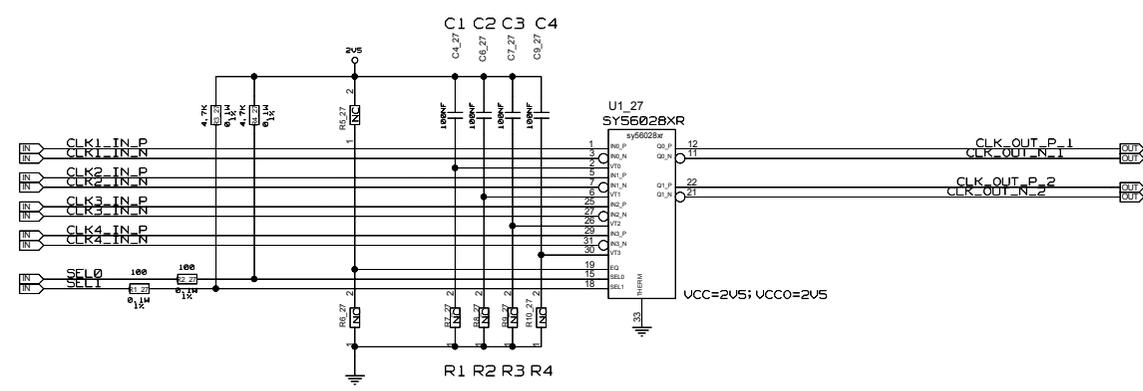


Figure 4f. LVDS Interface

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CHECKED	S.RAVE			
DRAWN	BAUSS			
BLOCK TITLE <b>MUX_CML_4X2_DC</b>				
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SCALE				SHEET OF

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ZONE	LTR	DESCRIPTION	DATE	APPR.



Input Interface Applications

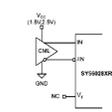


Figure 4b. CML Interface 100 Ohm Differential (DC-Coupled, 1.8V, 2.5V)

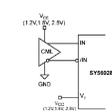


Figure 4c. CML Interface 80 Ohm to VCC (DC-Coupled, 1.2V, 1.8V, 2.5V)

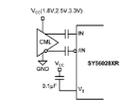


Figure 4c. CML Interface 80 Ohm to VCC (DC-Coupled, 1.2V, 1.8V, 2.5V)

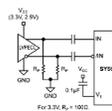


Figure 4e. LVPECL Interface (AC-Coupled)

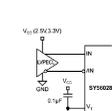


Figure 4e. LVPECL Interface (DC-Coupled 2.5V and 3.3V)

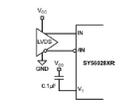
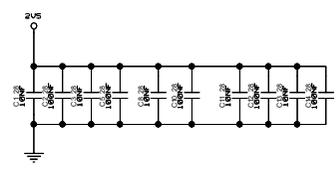
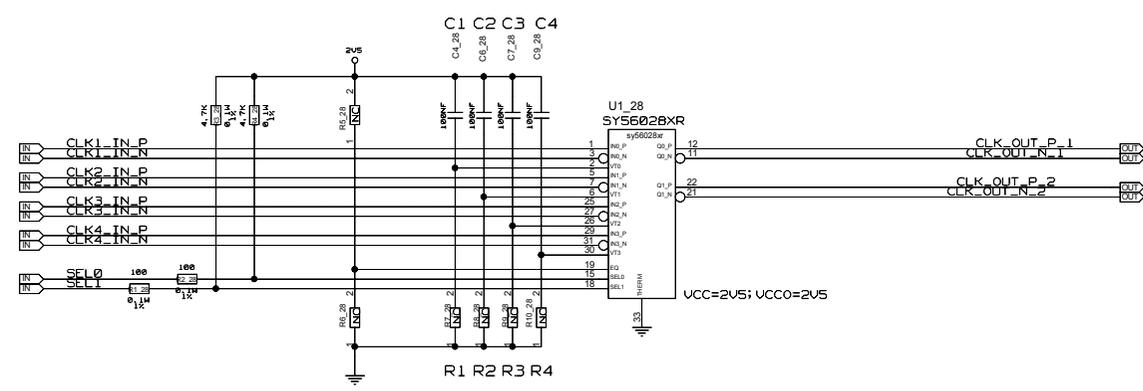


Figure 4f. LVDS Interface

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CHECKED	S.RAVE			
DRAWN	BAUSS			
BLOCK TITLE <b>MUX_CML_4X2_DC</b>				
UNIVERSITY OF MAINZ		SIZE <b>C</b>	REV.	DRAWING NO.
SCALE				SHEET OF

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



Input Interface Applications

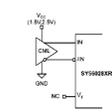


Figure 4b. CML Interface 100 Ohm Differential (DC-Coupled, 1.8V, 2.5V)

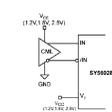


Figure 4c. CML Interface 80 Ohm to VCC (DC-Coupled, 1.2V, 1.8V, 2.5V)

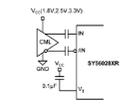


Figure 4c. CML Interface 80 Ohm to VCC (DC-Coupled, 1.2V, 1.8V, 2.5V)

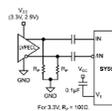


Figure 4e. LVPECL Interface (AC-Coupled)

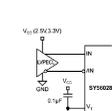


Figure 4e. LVPECL Interface (DC-Coupled 2.5V and 3.3V)

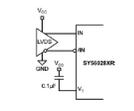
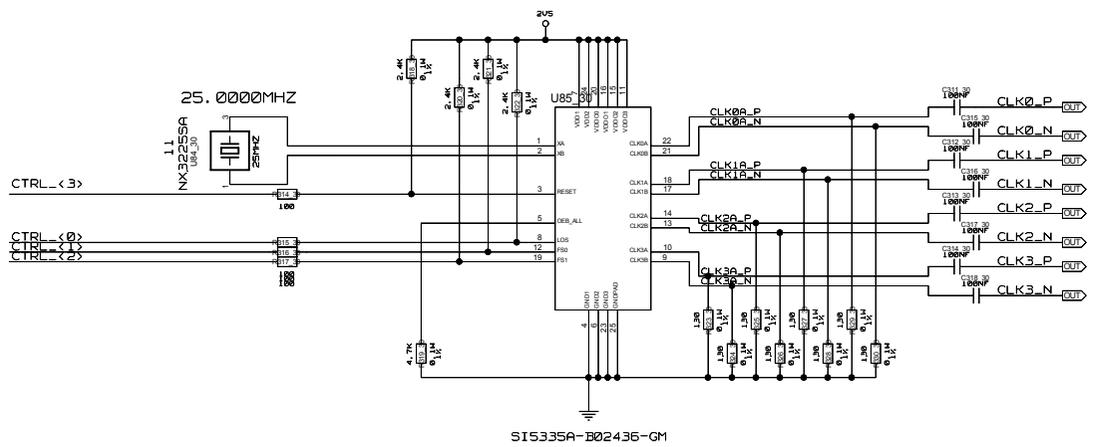


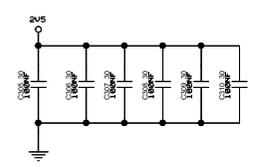
Figure 4f. LVDS Interface

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CHECKED	S.RAVE			
DRAWN	BAUSS			
BLOCK TITLE <b>MUX_CML_4X2_DC</b>				
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SCALE				SHEET OF

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

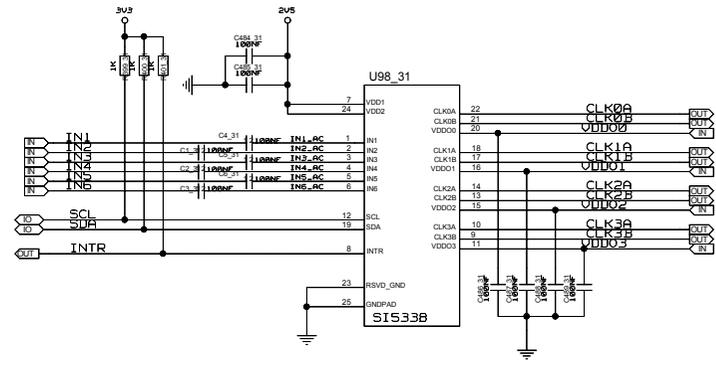


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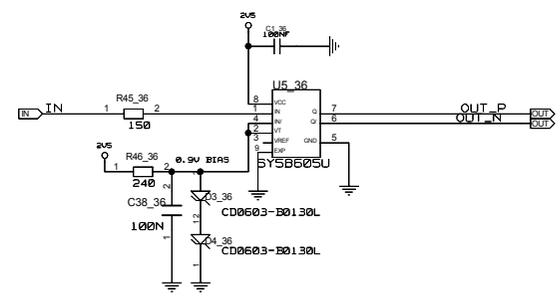
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BLOCK TITLE						
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ZONE	LTR	DESCRIPTION	DATE	APPR.



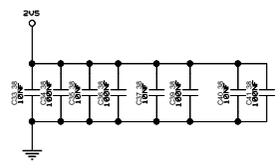
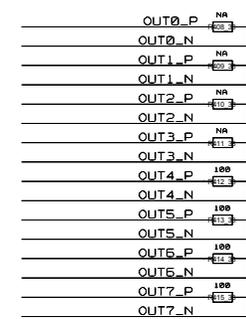
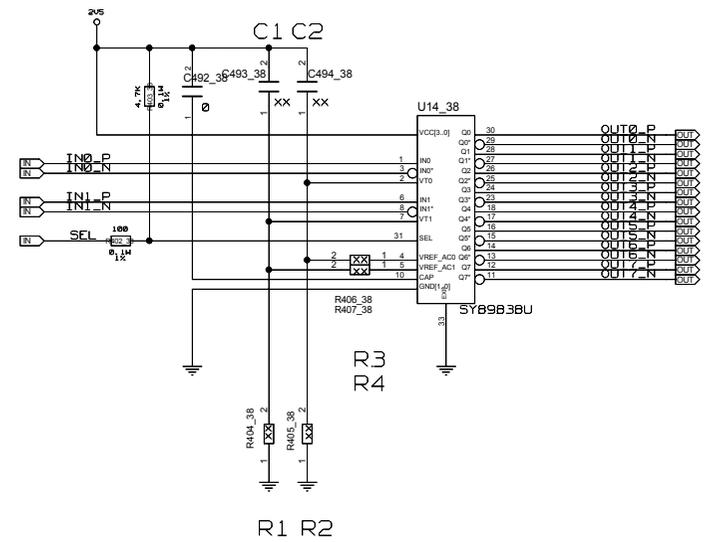
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UNIVERSITY OF MAINZ				REV.
SCALE				DRAWING NO.
				SHEET OF

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



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CHECKED	U.SCHAEFER			
CHECKED	S.RAVE			
DRAWN	BAUSS			
BLOCK TITLE				
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SCALE			DRAWING NO.	
			SHEET OF	

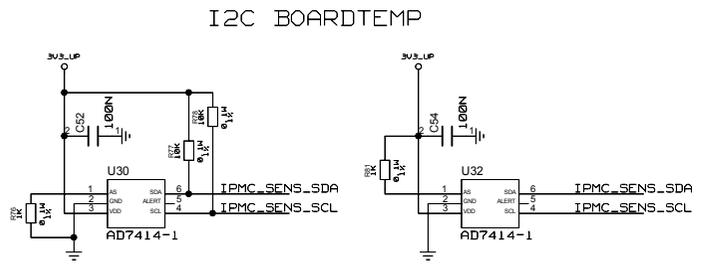
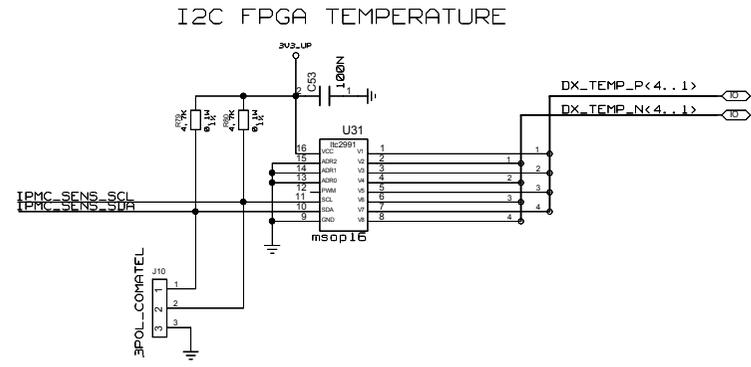
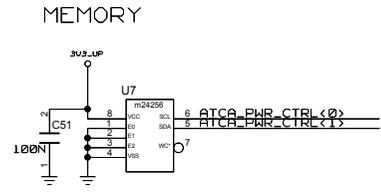
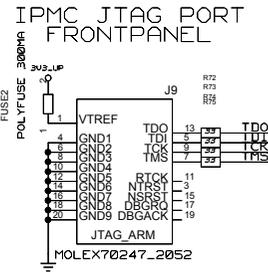
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



CHECKED	NAME	DATE	SIGN	DRAWING TITLE
CHECKED	E.ROCCO			CLOCK
CHECKED	U.SCHAEFER			
CHECKED	S.RAVE			
DRAWN	BAUSS			
BLOCK TITLE				DRAWING NO.
CLOCK_LLVD5_FANOUT8				UNIVERSITY OF MAINZ
SIZE	REV.	DRAWING NO.		
C				
SCALE		SHEET		OF



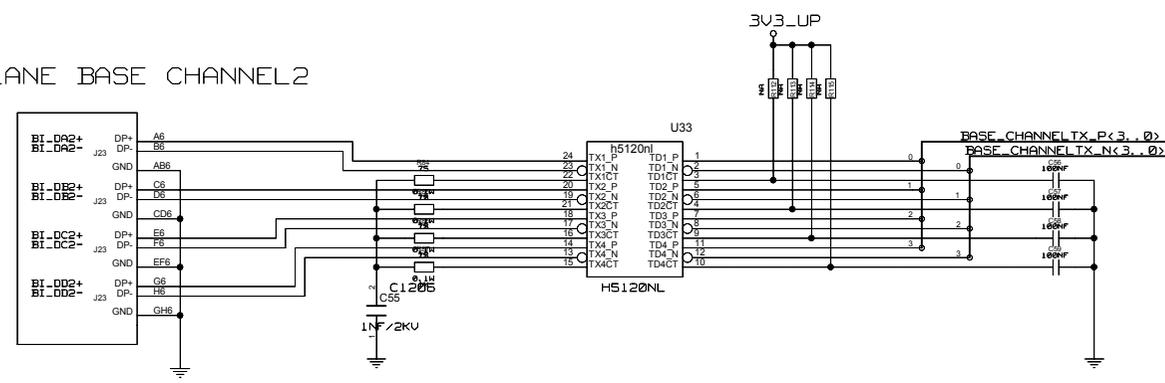
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



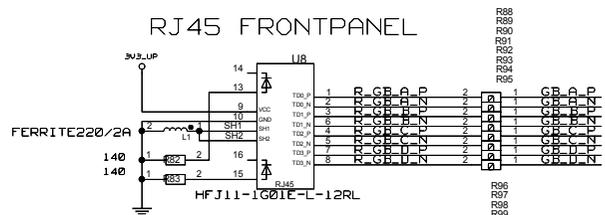
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CHECKED E.ROCCO			IPMC CONTROL
CHECKED U.SCHAEFER			
CHECKED S.RAVE			
DRAWN BAUSS	23.07.2015		
BLOCK TITLE			
IPMC			
UNIVERSITY OF MAINZ			
SIZE	REV.	DRAWING NO.	
C			
SCALE			SHEET OF

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

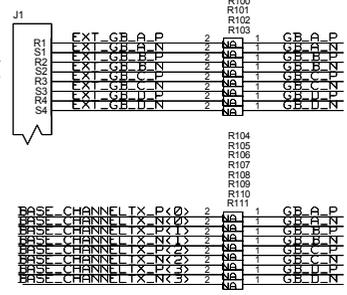
BACKPLANE BASE CHANNEL 2



RJ45 FRONTPANEL



MEZZANINE

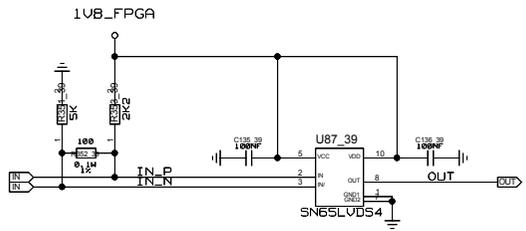


TO IPMC MODUL

CHECKED	NAME	DATE	SIGN	DRAWING TITLE		
CHECKED	E.ROCCO				IPMC CONTROL	
CHECKED	U.SCHAEFER					
CHECKED	S.RAVE					
DRAWN	BAUSS					
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UNIVERSITY OF MAINZ				SIZE <b>C</b>	REV.	DRAWING NO.
SCALE				SHEET OF		

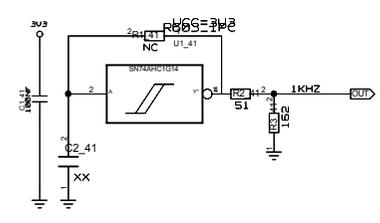


REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



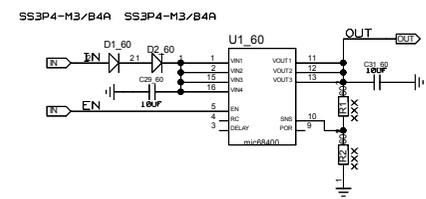
CHECKED	E.ROCCO			DRAWING TITLE
CHECKED	U.SCHAEFER			
CHECKED	S.RAVE			
DRAWN	BAUSS			
BLOCK TITLE				JFEX
CLOCK_LVDS_LUCMOS				
UNIVERSITY OF MAINZ			SIZE <b>C</b>	DRAWING NO.
SCALE			REV.	SHEET OF

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



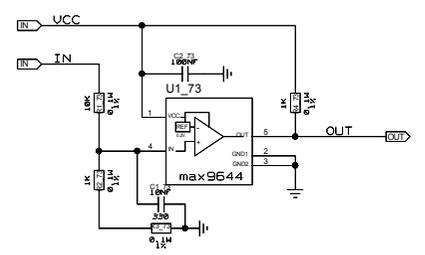
CHECKED	E.ROCCO			DRAWING TITLE	
CHECKED	U.SCHAEFER				
CHECKED	S.RAVE				
DRAWN	BAUSS				
BLOCK TITLE					
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SCALE				SHEET	OF

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



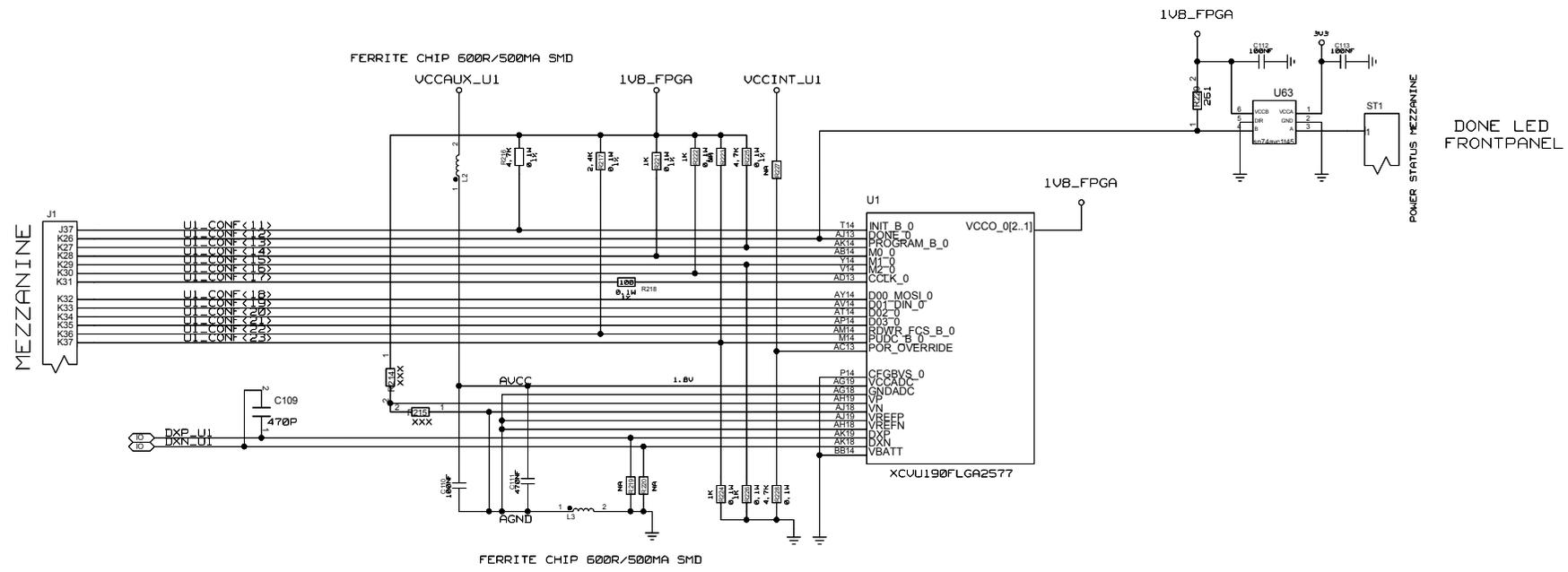
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CHECKED	U.SCHAEFER			
CHECKED	S.RAVE			
DRAWN	BAUSS			
BLOCK TITLE				
POWERSUPPLY_MIC68400				
UNIVERSITY OF MAINZ		SIZE	REV.	DRAWING NO.
		C		
SCALE				SHEET OF

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



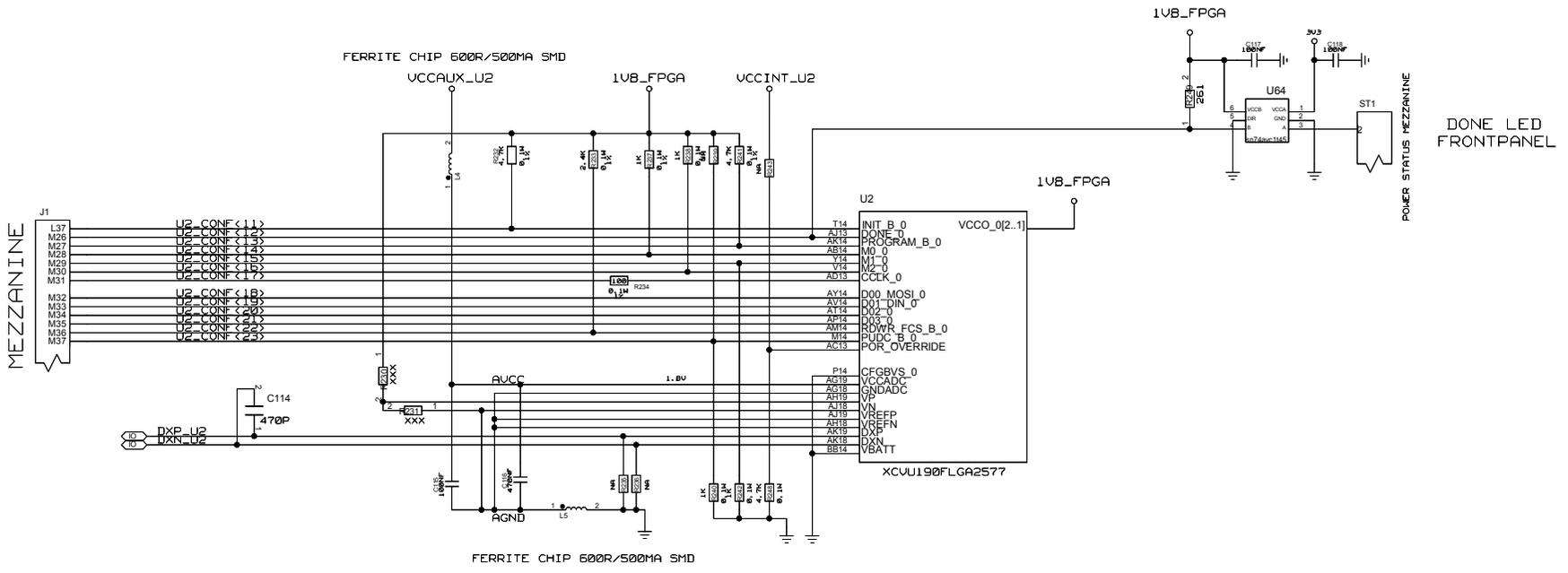
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CHECKED	U.SCHAEFER			
CHECKED	S.RAVE			
DRAWN	BAUSS			
BLOCK TITLE				
UNIVERSITY OF MAINZ			SIZE	DRAWING NO.
			<b>C</b>	
SCALE			SHEET	OF

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



CHECKED	NAME	DATE	SIGN	DRAWING TITLE  <b>JFEX</b>	
	E.ROCCO				
	U.SCHAEFER				
	S.RAVE				
	BAUSS	17.09.2015			
BLOCK TITLE <b>CONFIGURATION PROCESSOR U1</b>				SIZE <b>C</b>	REV.
UNIVERSITY OF MAINZ				SCALE	DRAWING NO.
					SHEET 1 OF 1

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

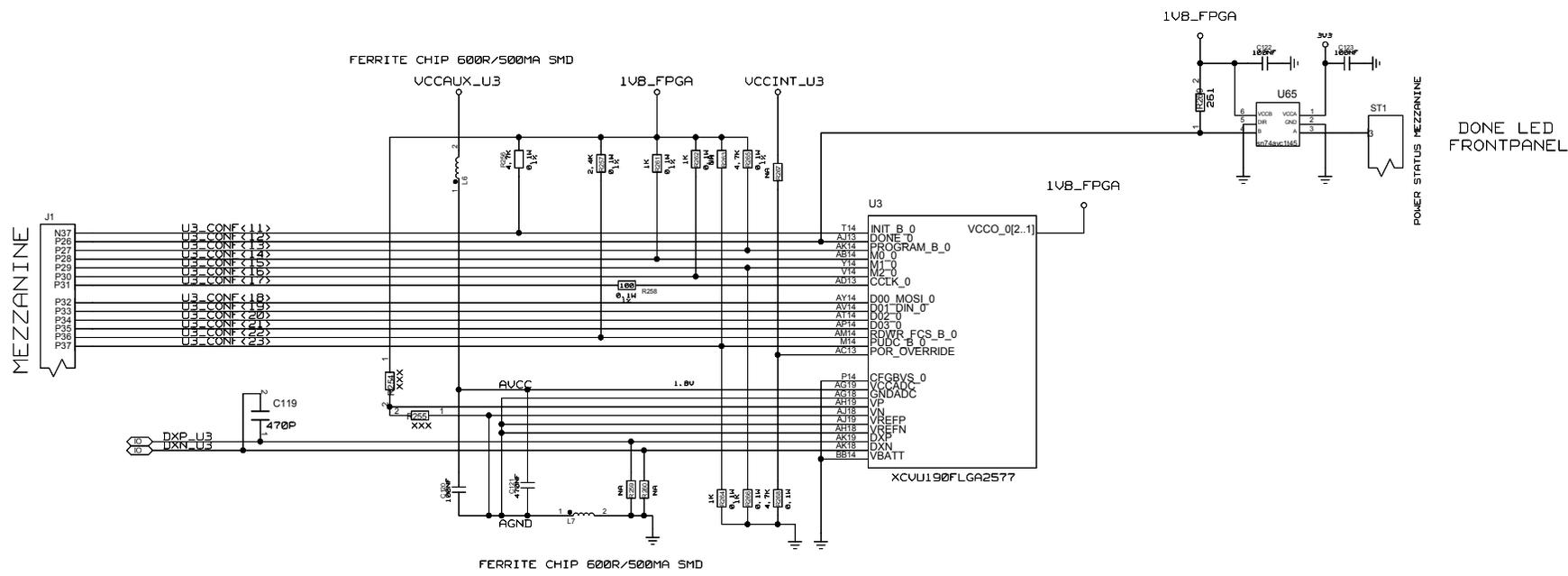


DONE LED  
FRONTPANEL

POWER STATUS MEZZANINE

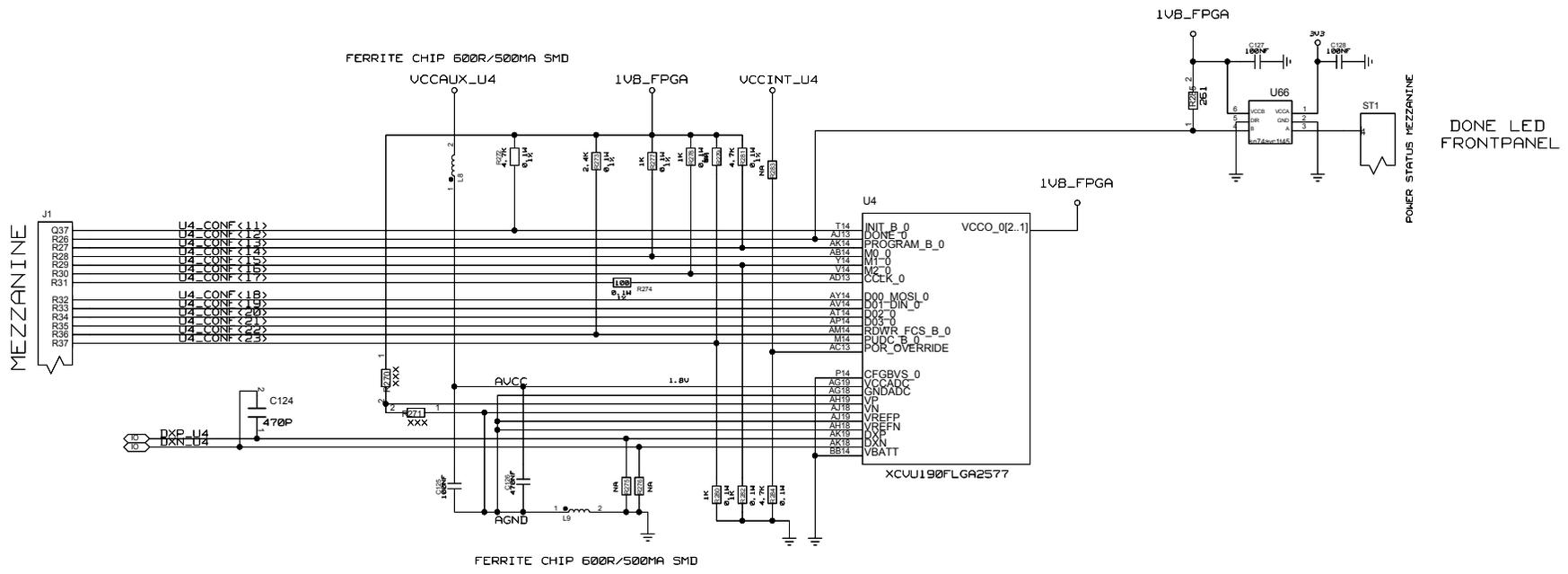
CHECKED	NAME	DATE	SIGN	DRAWING TITLE
CHECKED	E.ROCCO			
CHECKED	U.SCHAEFER			
CHECKED	S.RAVE			
DRAWN	BAUSS			
BLOCK TITLE				
UNIVERSITY OF MAINZ				SIZE <b>C</b>
				REV.
SCALE				DRAWING NO.
SHEET				OF

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



CHECKED	NAME	DATE	SIGN	DRAWING TITLE		
CHECKED	E.ROCCO					
CHECKED	U.SCHAEFER					
CHECKED	S.RAVE					
DRAWN	BAUSS					
BLOCK TITLE						
UNIVERSITY OF MAINZ				SIZE	REV.	DRAWING NO.
				SCALE		
				SHEET	OF	

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

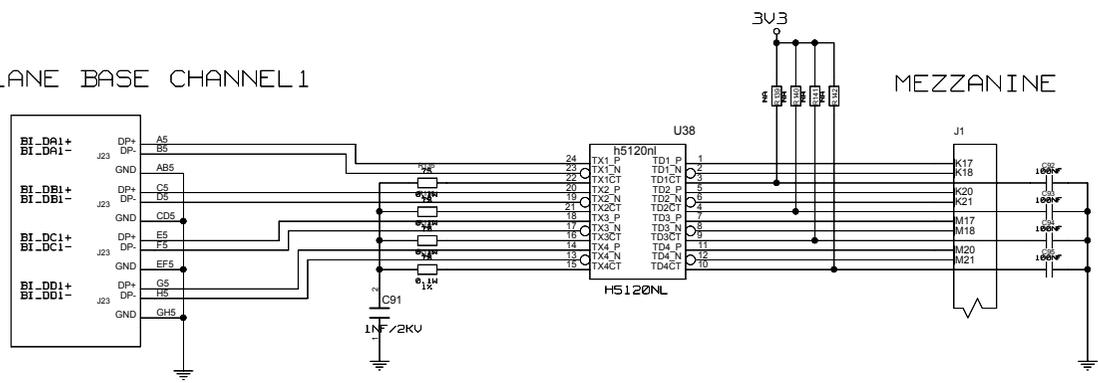


CHECKED	NAME	DATE	SIGN	DRAWING TITLE	
CHECKED	E.ROCCO				
CHECKED	U.SCHAEFER				
CHECKED	S.RAVE				
DRAWN	BAUSS				
BLOCK TITLE					
UNIVERSITY OF MAINZ				SIZE	
				SCALE	
				REV.	
				DRAWING NO.	
				SHEET	
				OF	

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

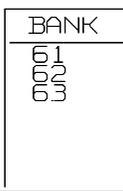
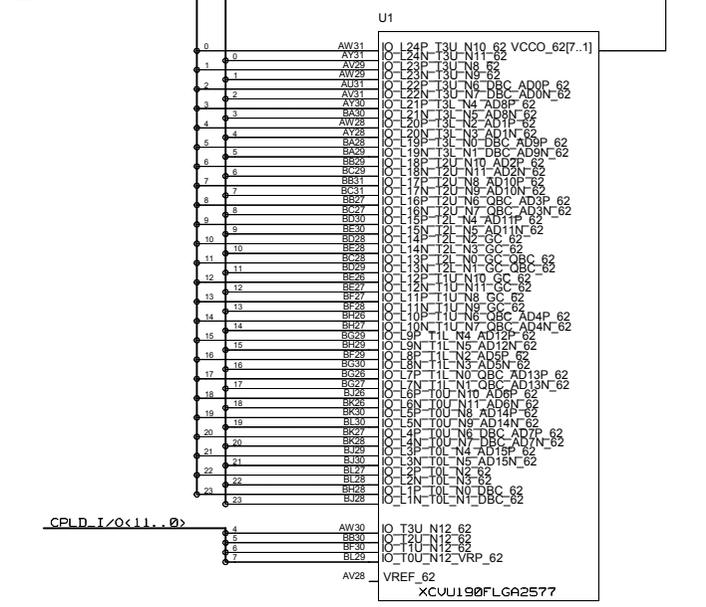
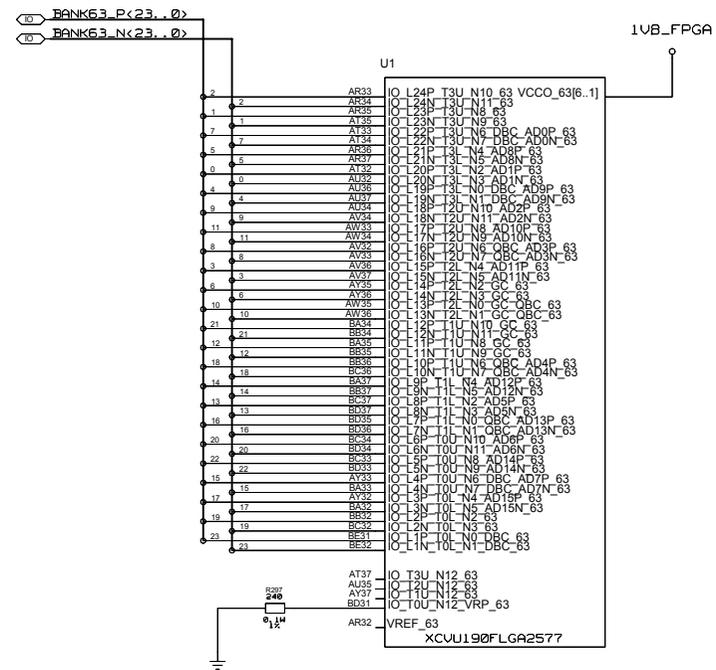
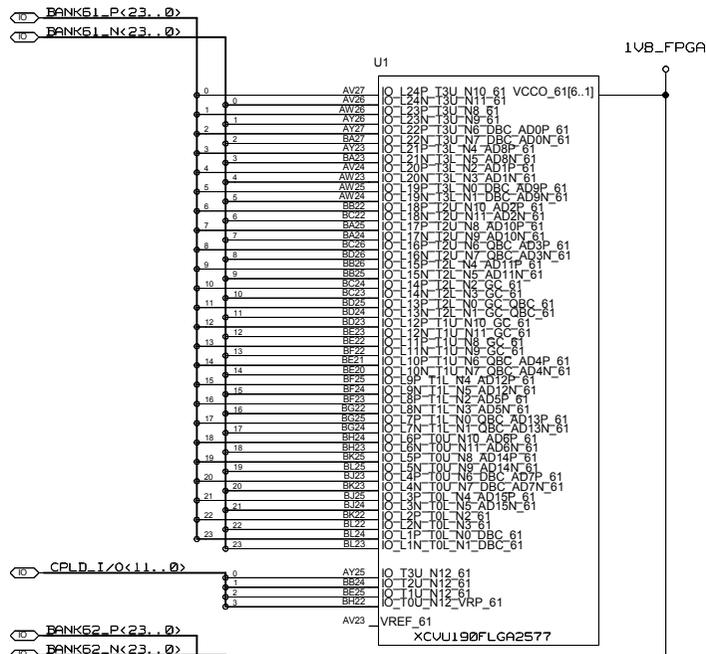
BACKPLANE BASE CHANNEL 1

MEZZANINE



CHECKED	E.ROCCO	DATE	SIGN	DRAWING TITLE  <h1>IPBUS</h1>
CHECKED	U.SCHAEFER			
CHECKED	S.RAVE			
DRAWN	BAUSS	05. 11. 2015		
BLOCK TITLE <h2>IPBUS</h2>				
UNIVERSITY OF MAINZ				SIZE <b>C</b>
SCALE				REV.
SHEET OF				DRAWING NO.

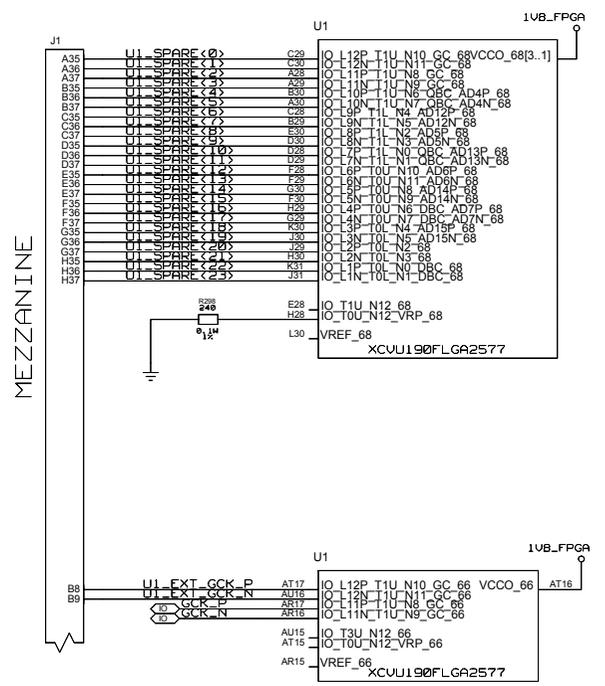
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



CHECKED	E.ROCCO	DATE	SIGN	DRAWING TITLE	<b>JFEX</b>
CHECKED	U.SCHAEFER				
CHECKED	S.RAVE				
DRAWN	BAUSS	25.08.2015			
BLOCK TITLE					
<b>U1_PARALLEL_I/O</b>					
<b>UNIVERSITY OF MAINZ</b>				SIZE	DRAWING NO.
				<b>C</b>	REV.
				SCALE	SHEET 1 OF 5



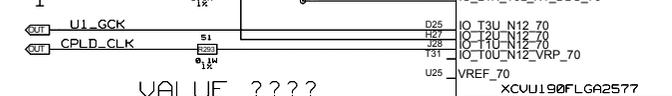
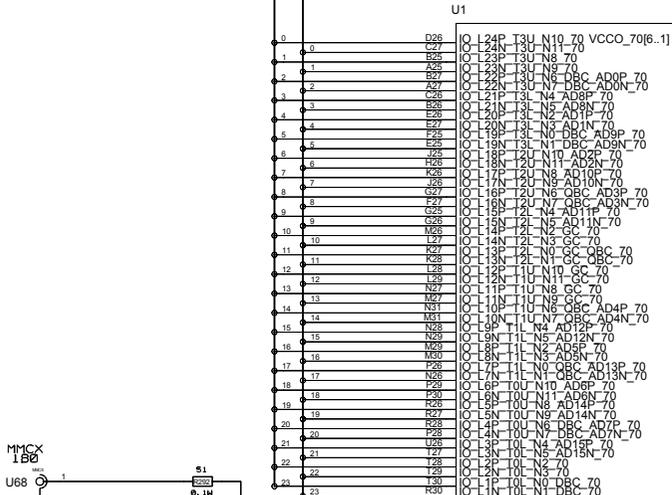
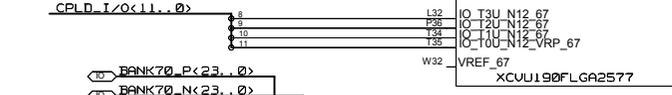
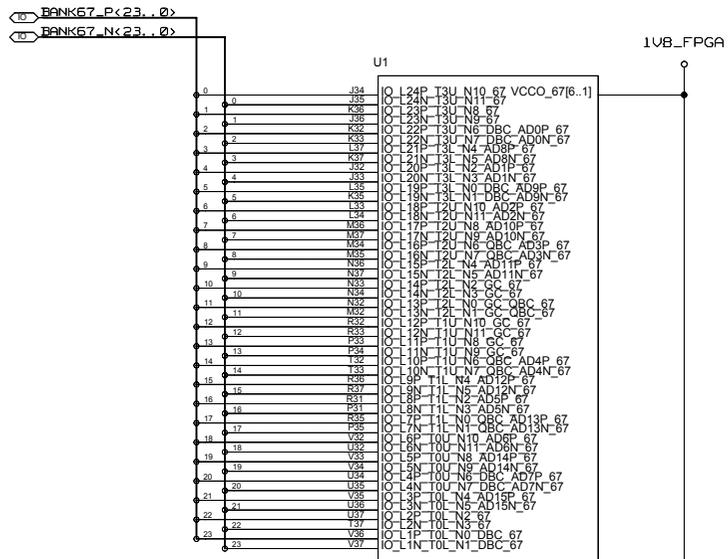
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



BANK
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CHECKED	NAME	DATE	SIGN	DRAWING TITLE <b>JFEX</b>
	E.ROCCO			
	U.SCHAEFER			
	S.RAVE			
	BAUSS	25.08.2015		
BLOCK TITLE				
U1_PARALLEL_I/O				
UNIVERSITY OF MAINZ				
SIZE	REV.	DRAWING NO.		
<b>C</b>				
SCALE			SHEET 3 OF 5	

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

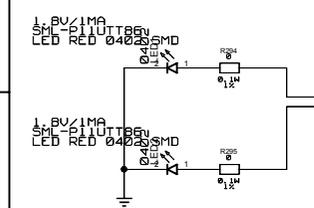
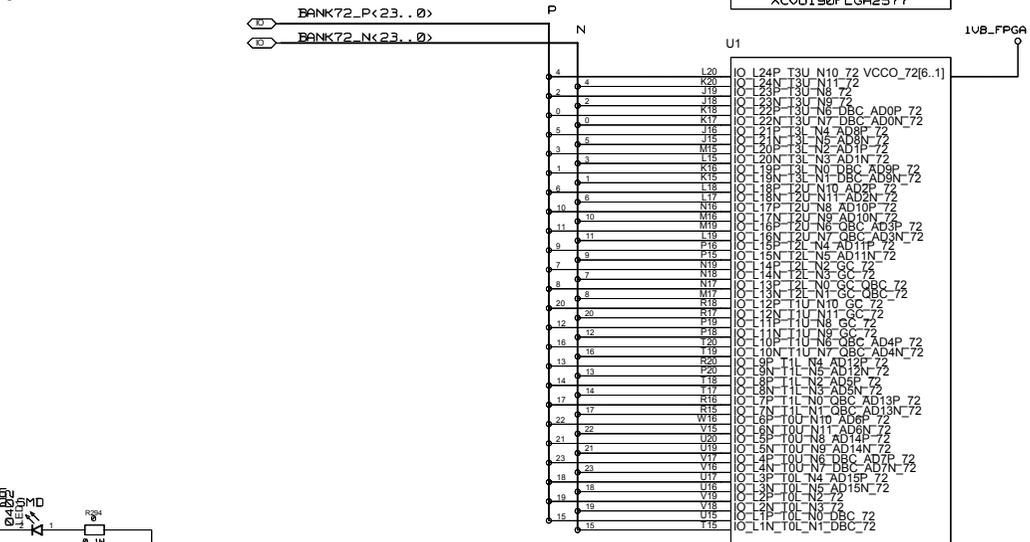
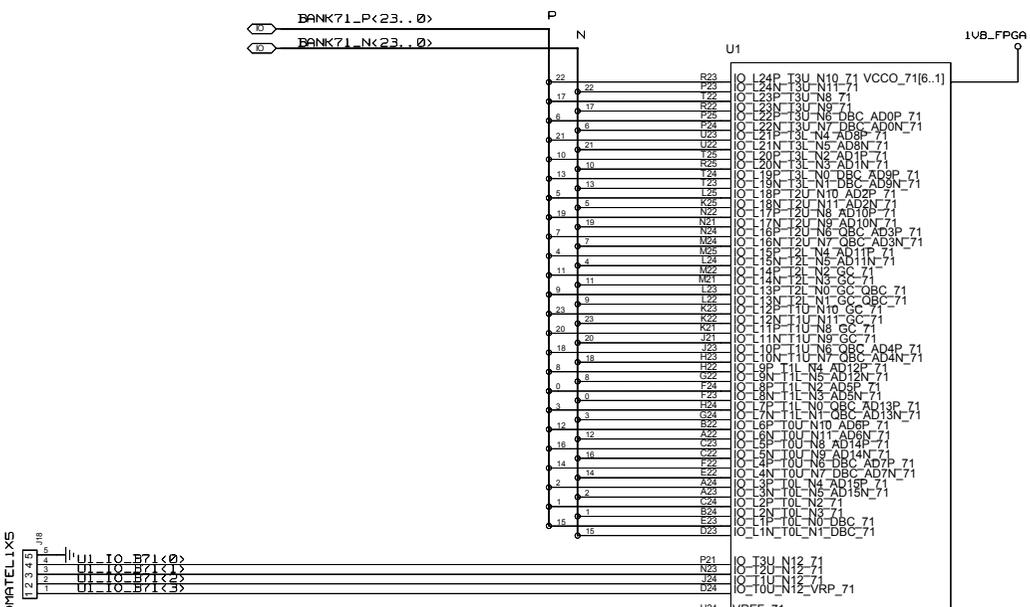


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67  
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VALUE ????

CHECKED	NAME	DATE	SIGN	DRAWING TITLE
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	U.SCHAEFER			
	S.RAVE			
	BAUSS	25.08.2015		
BLOCK TITLE				
U1_PARALLEL_I/O				
UNIVERSITY OF MAINZ				
SIZE	REV.	DRAWING NO.		
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SCALE			SHEET 4 OF 5	

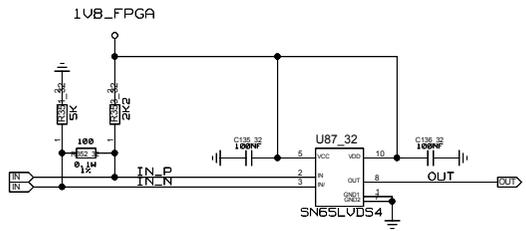
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



BANK  
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CHECKED	NAME	DATE	SIGN	DRAWING TITLE
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	U.SCHAEFER			
	S.RAVE			
	BAUSS	25.08.2015		
DRAWN				
BLOCK TITLE				
U1_PARALLEL_I/O				
UNIVERSITY OF MAINZ				
SIZE	REV.	DRAWING NO.		
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SCALE			SHEET 5 OF 5	

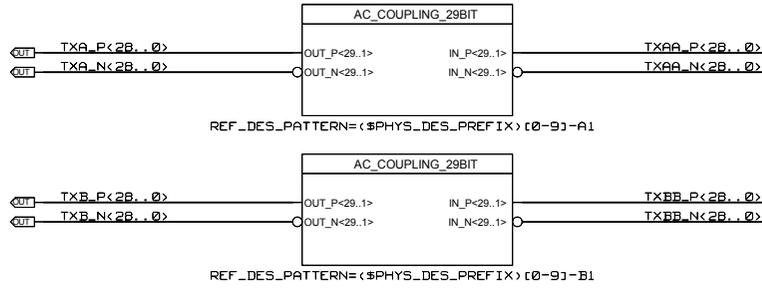
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



CHECKED	E.ROCCO			DRAWING TITLE
CHECKED	U.SCHAEFER			
CHECKED	S.RAVE			
DRAWN	BAUSS			
BLOCK TITLE				JFEX
CLOCK_LVDS_LUCMOS				
UNIVERSITY OF MAINZ			SIZE <b>C</b>	DRAWING NO.
SCALE			REV.	SHEET OF

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

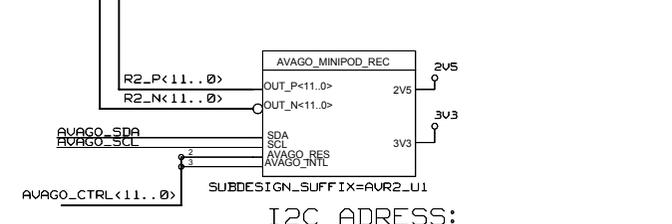
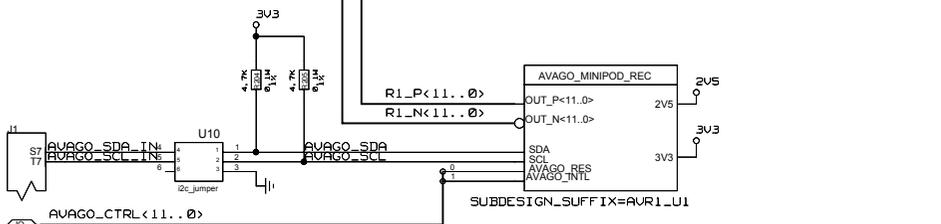
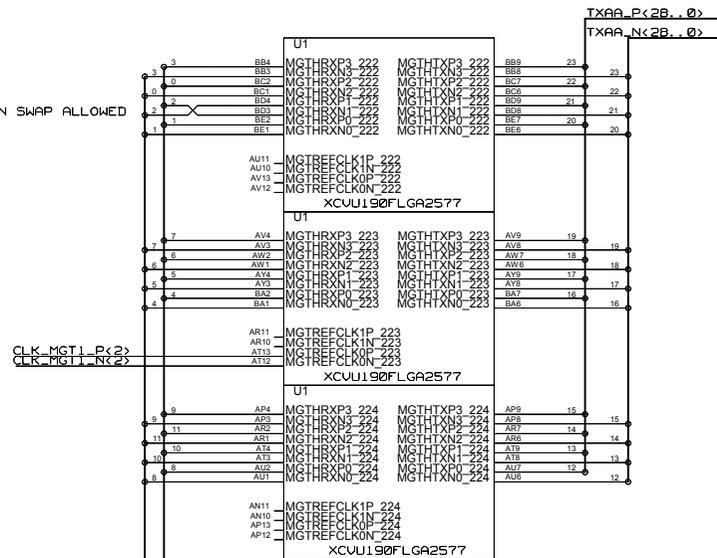
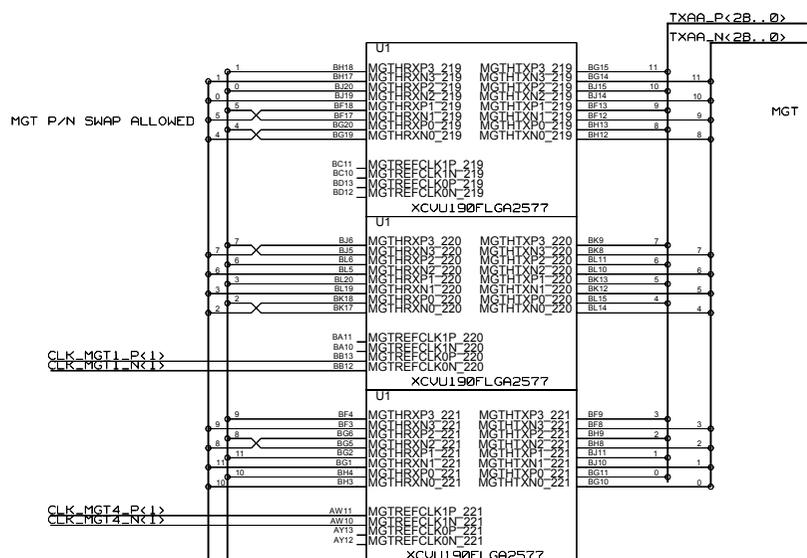
# AC COUPLING



IN> CLK\_MGT1\_P<12..1>  
 IN> CLK\_MGT1\_N<12..1>  
 IN> CLK\_MGT2\_P<6..1>  
 IN> CLK\_MGT2\_N<6..1>  
  
 IN> CLK\_MGT4\_P<3..1>  
 IN> CLK\_MGT4\_N<3..1>

CHECKED	E.ROCCO			DRAWING TITLE <b>I/O + AC COUPLING</b>
CHECKED	U.SCHAEFER			
CHECKED	S.RAVE			
DRAWN	BAUSS	07.08.2015		
BLOCK TITLE <b>U1_MGT_REAL_TIME</b>				
UNIVERSITY OF MAINZ				SIZE <b>C</b>
				REV.
				DRAWING NO.
				SCALE
				SHEET 1 OF 7

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



AVAGO\_CTRL <11..0>  
 AVAGO\_CTRL 0, 2, 4, 6, 8, 10 = AVAGO\_RES\_XX  
 AVAGO\_CTRL 1, 3, 5, 7, 9, 11 = AVAGO\_INTL\_XX

I2C ADDRESS:  
 R3=XXX R4=XXX  
 R5=XXX R6=XXX  
 R7=XXX R8=XXX

I2C ADDRESS:  
 R3=XXX R4=XXX  
 R5=XXX R6=XXX  
 R7=XXX R8=XXX

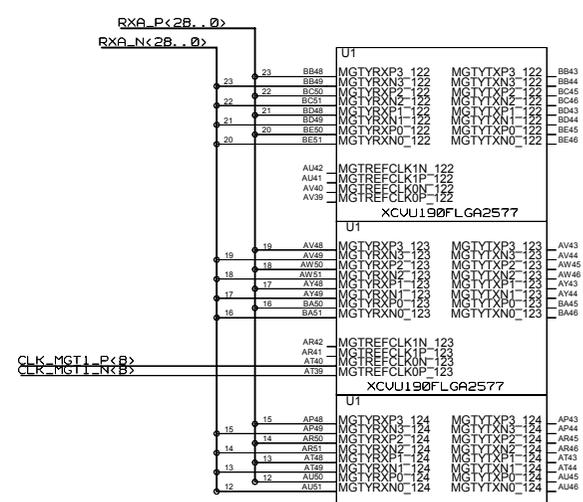
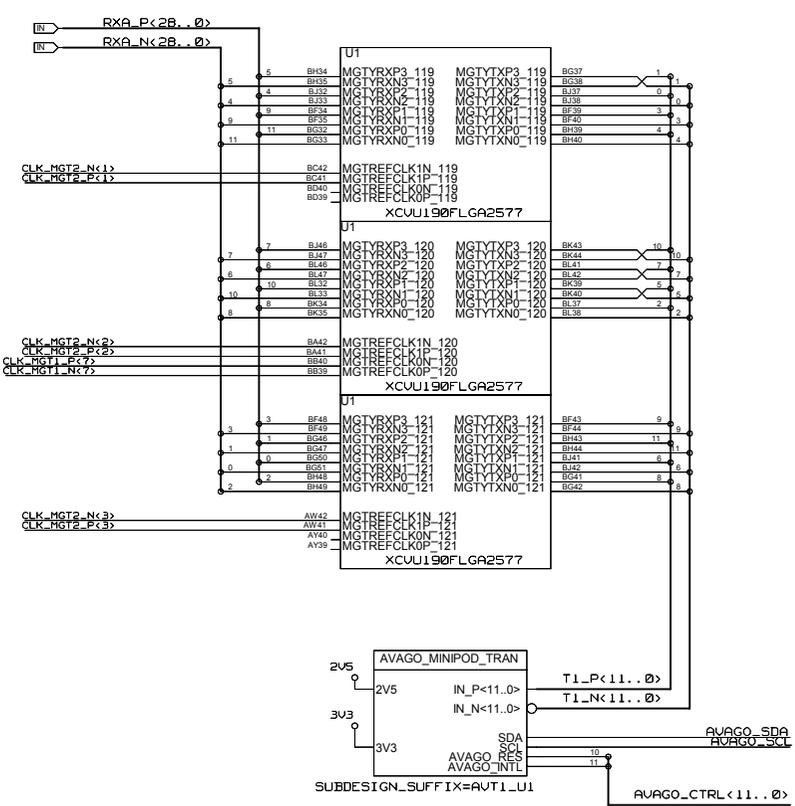


CHECKED	NAME	DATE	SIGN	DRAWING TITLE	
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	U.SCHAEFER				
	S.RAVE				
	BAUSS	07.08.2015			
BLOCK TITLE				SIZE	DRAWING NO.
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UNIVERSITY OF MAINZ				SCALE	SHEET 2 OF 7





REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

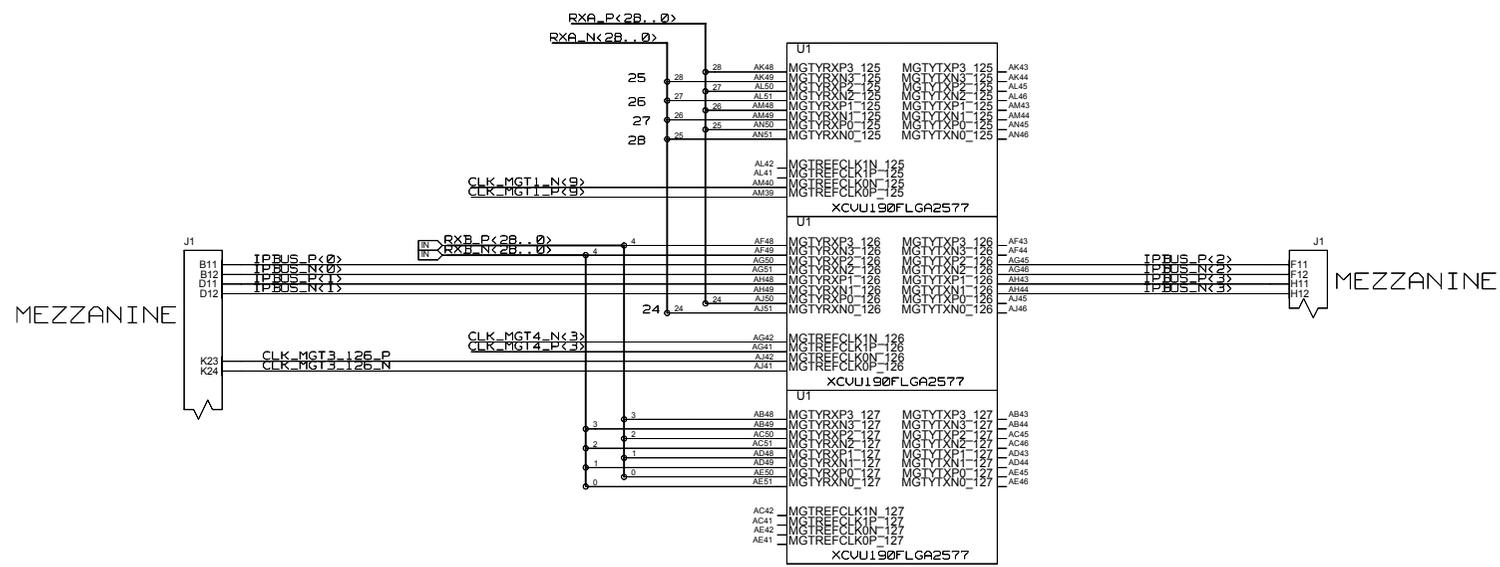


I2C ADDRESS:  
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 D0=XXXX D1=XXXX  
 D2=XXXX D3=XXXX  
 D4=XXXX D5=XXXX

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CHECKED	NAME	DATE	SIGN	DRAWING TITLE  <b>AVAGO RXA</b>
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	U.SCHAEFER			
	S.RAVE			
	BAUSS	07.08.2015		
BLOCK TITLE <b>U1_MGT_REAL_TIME</b>				SIZE <b>C</b>
UNIVERSITY OF MAINZ				REV.
SCALE				DRAWING NO.
				SHEET 5 OF 7

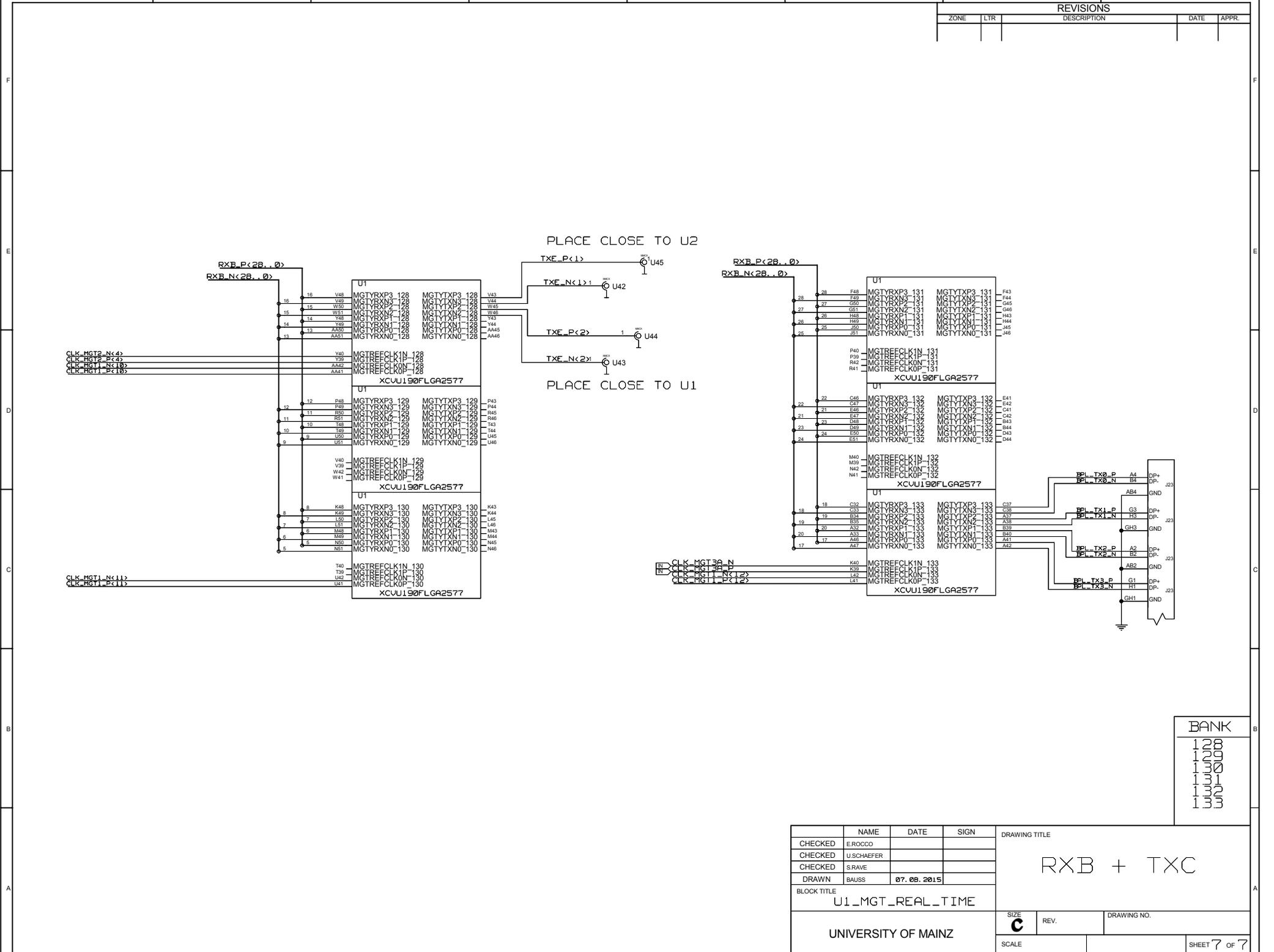
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



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CHECKED	E.ROCCO	DATE	SIGN	DRAWING TITLE <b>RXA + RXB TXD + IPBUS</b>
CHECKED	U.SCHAEFER			
CHECKED	S.RAVE			
DRAWN	BAUSS	07.08.2015		
BLOCK TITLE	U1_MGT_REAL_TIME			
UNIVERSITY OF MAINZ				SIZE <b>C</b>
SCALE				REV.
				DRAWING NO.
				SHEET 6 OF 7

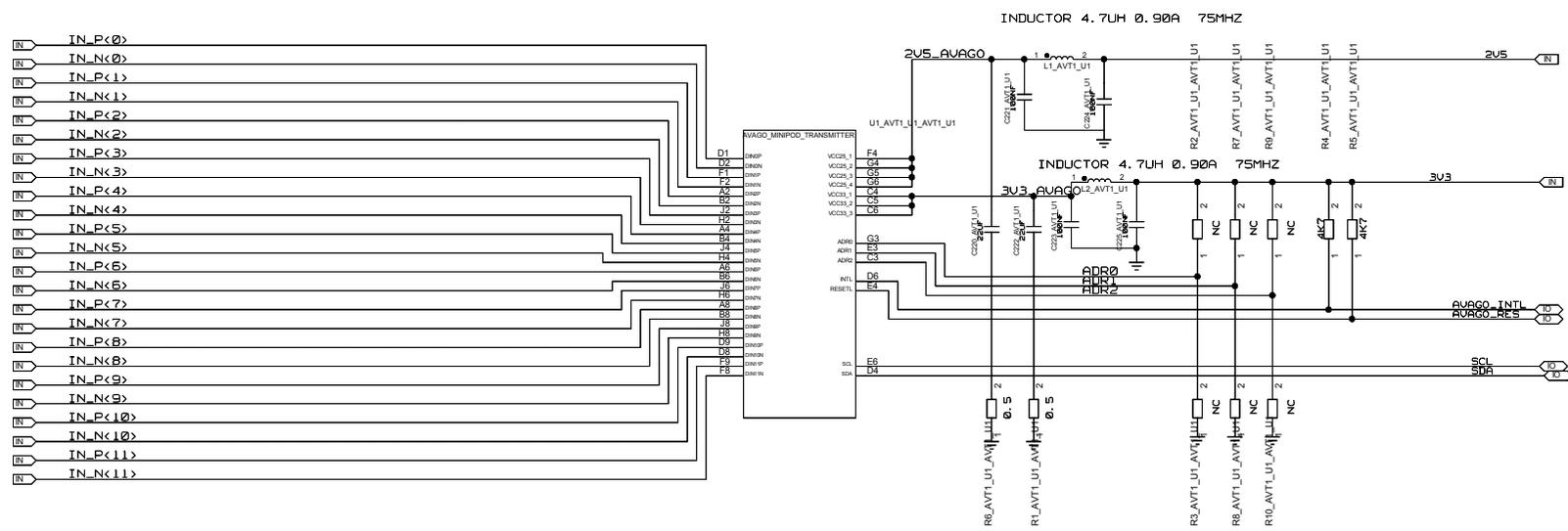
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



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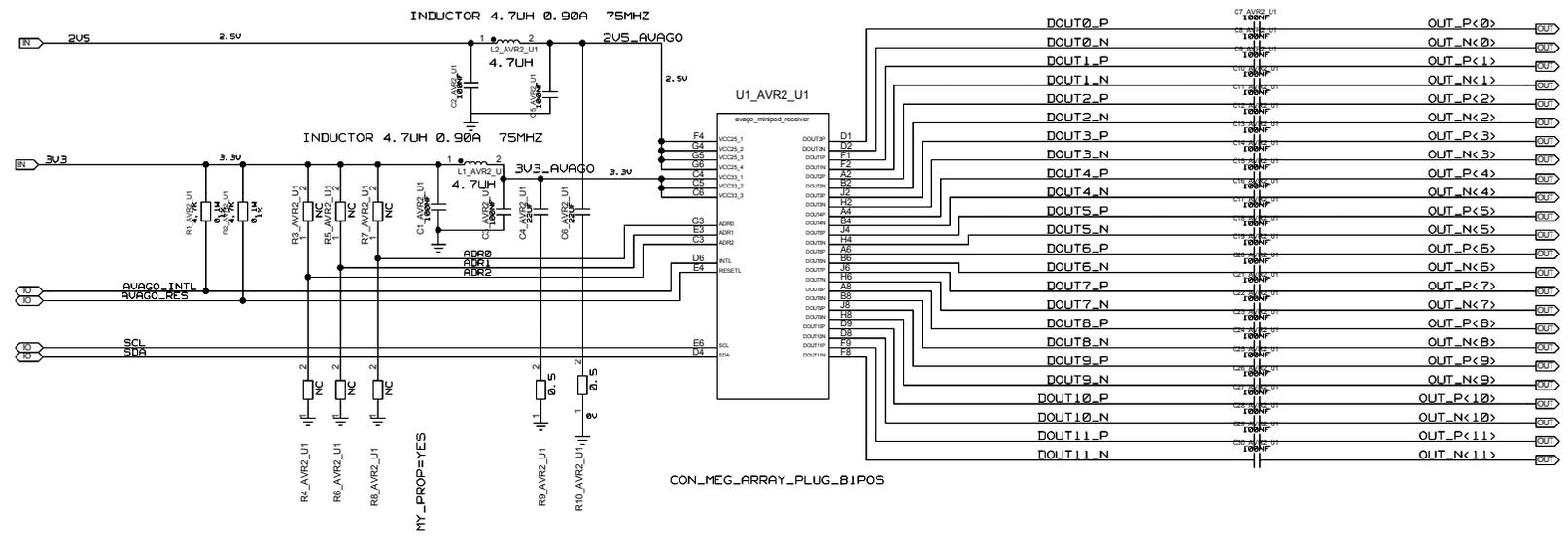
CHECKED	E.ROCCO	DATE	SIGN	DRAWING TITLE  <b>RXB + TXC</b>
CHECKED	U.SCHAEFER			
CHECKED	S.RAVE			
DRAWN	BAUSS	07.08.2015		
BLOCK TITLE <b>U1_MGT_REAL_TIME</b>				
UNIVERSITY OF MAINZ		SIZE <b>C</b>	REV.	DRAWING NO.
SCALE				SHEET 7 OF 7

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



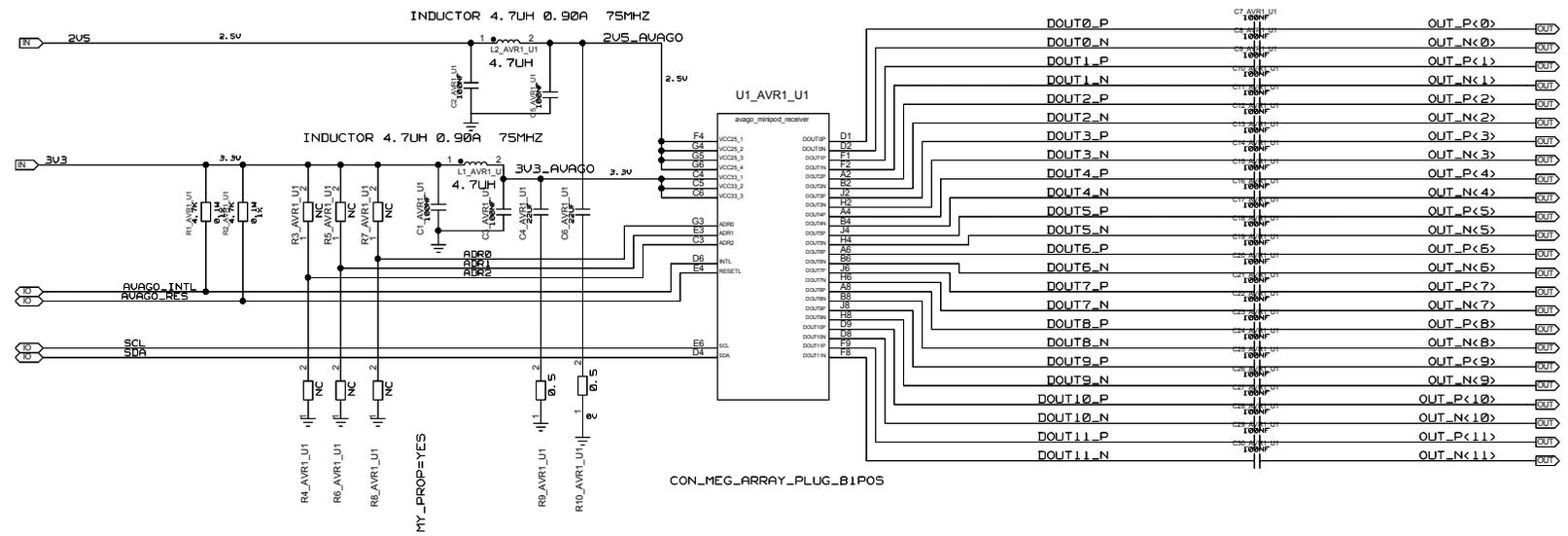
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SIZE <b>C</b>	REV.	DRAWING NO.	
SCALE			SHEET OF

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



UNIVERSITY OF MAINZ		DRAWING TITLE	
		AVAGO RECEIVER	
SIZE	REV.	DRAWING NO.	
C			
SCALE			SHEET OF

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

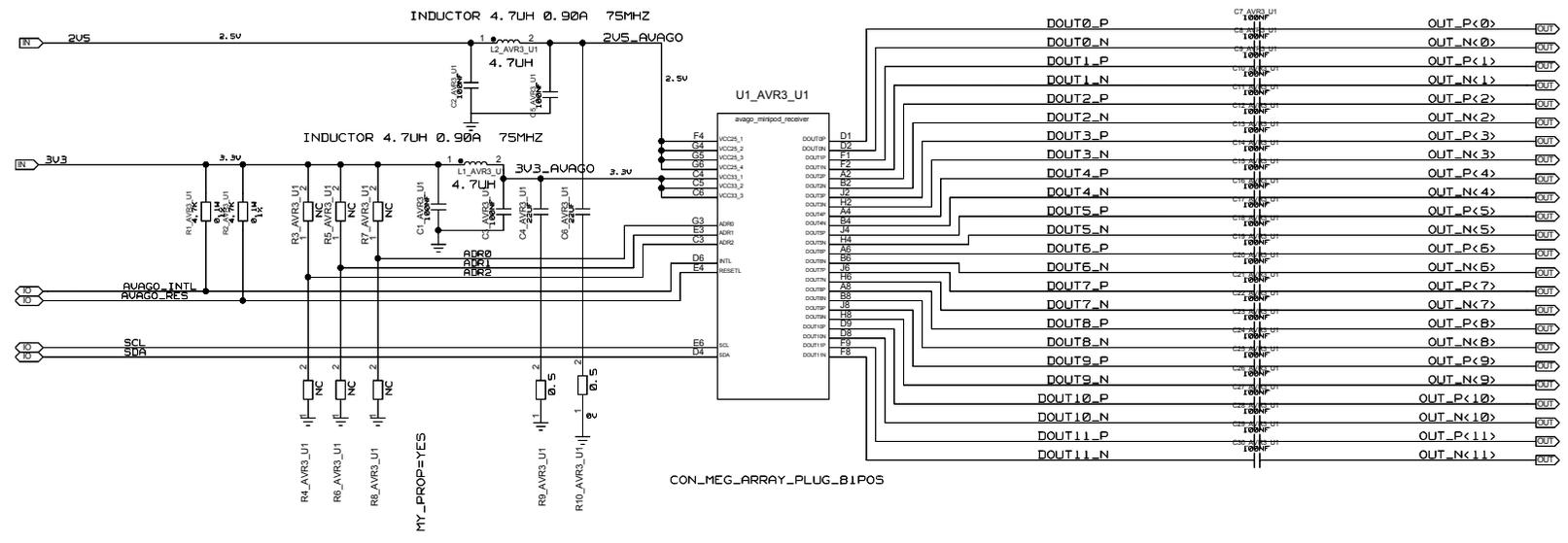


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D  
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A

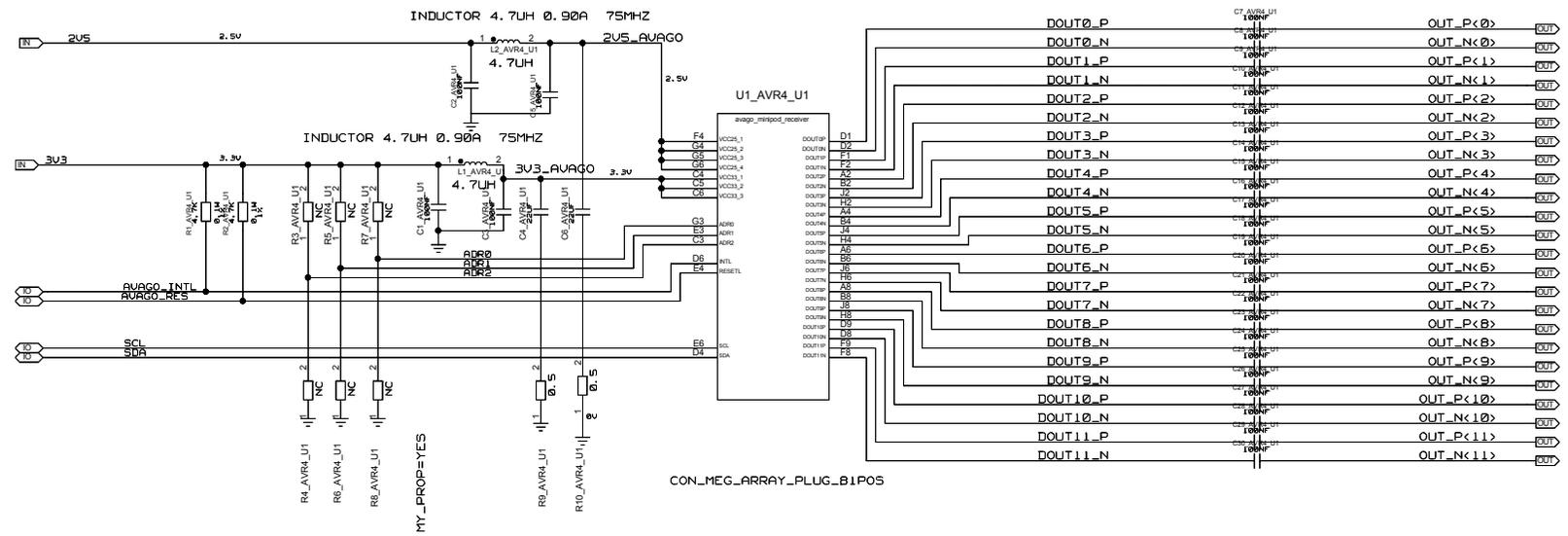
UNIVERSITY OF MAINZ		DRAWING TITLE	
		AVAGO RECEIVER	
SIZE	REV.	DRAWING NO.	
C			
SCALE		SHEET OF	

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



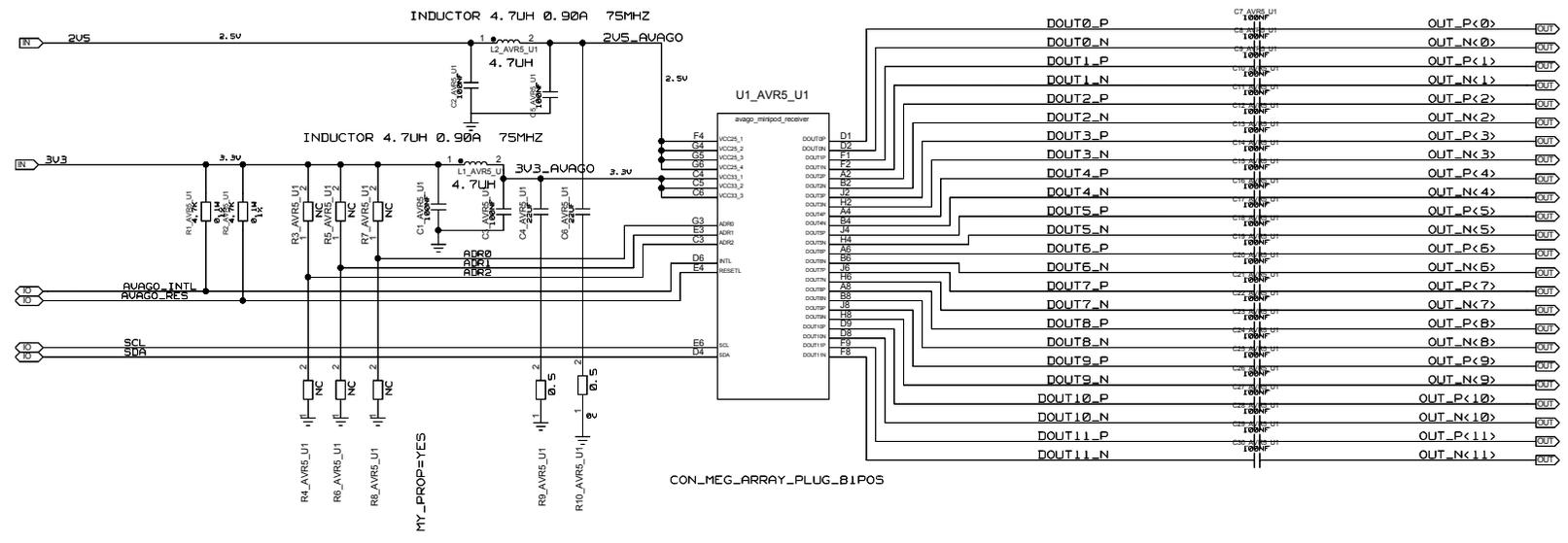
UNIVERSITY OF MAINZ		DRAWING TITLE	
		AVAGO RECEIVER	
SIZE	REV.	DRAWING NO.	
C			
SCALE		SHEET OF	

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



UNIVERSITY OF MAINZ		DRAWING TITLE	
		AVAGO RECEIVER	
SIZE	REV.	DRAWING NO.	
C			
SCALE			SHEET OF

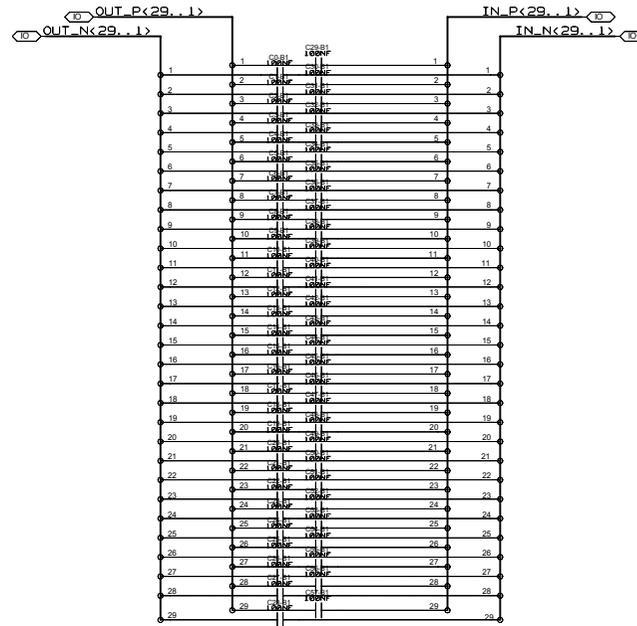
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



CON\_MEG\_ARRAY\_PLUG\_B1POS

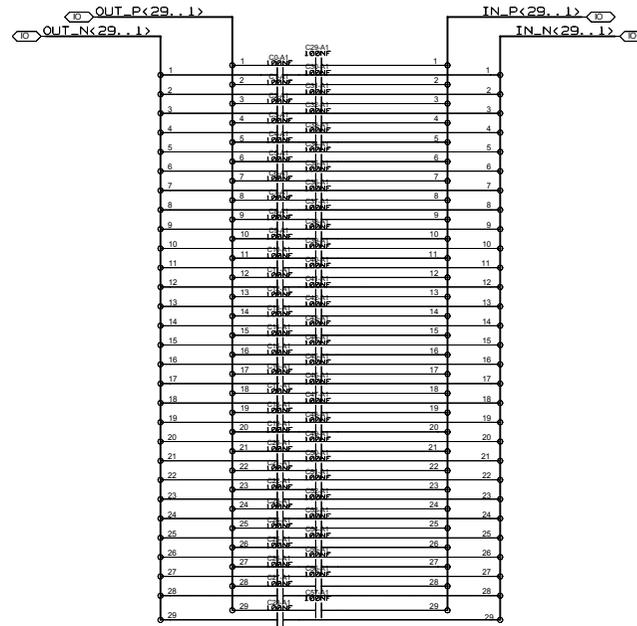
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		AVAGO RECEIVER	
SIZE	REV.	DRAWING NO.	
C			
SCALE		SHEET OF	

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



CHECKED	NAME	DATE	SIGN	DRAWING TITLE  <b>AC COUPLING 29BIT</b>	
CHECKED	E.ROCCO				
CHECKED	U.SCHAEFER				
CHECKED	S.RAVE				
DRAWN	BAUSS				
BLOCK TITLE					
UNIVERSITY OF MAINZ				SIZE <b>C</b>	REV.
				DRAWING NO.	
SCALE				SHEET	OF

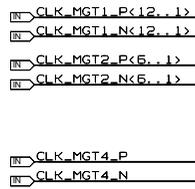
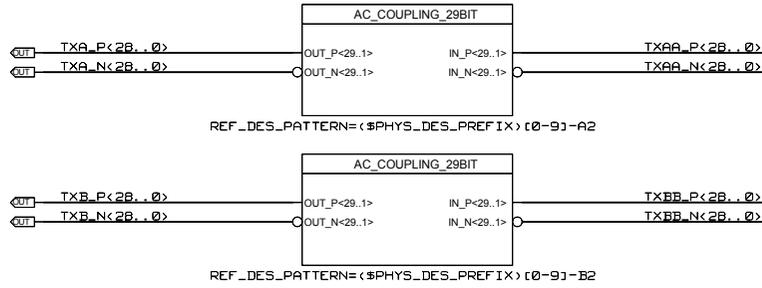
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



CHECKED	NAME	DATE	SIGN	DRAWING TITLE  AC COUPLING 29BIT	
CHECKED	E.ROCCO				
CHECKED	U.SCHAEFER				
CHECKED	S.RAVE				
DRAWN	BAUSS			BLOCK TITLE	
UNIVERSITY OF MAINZ				SIZE <b>C</b>	REV.
				DRAWING NO.	
SCALE			SHEET OF		

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

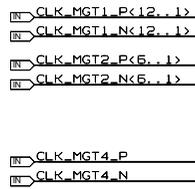
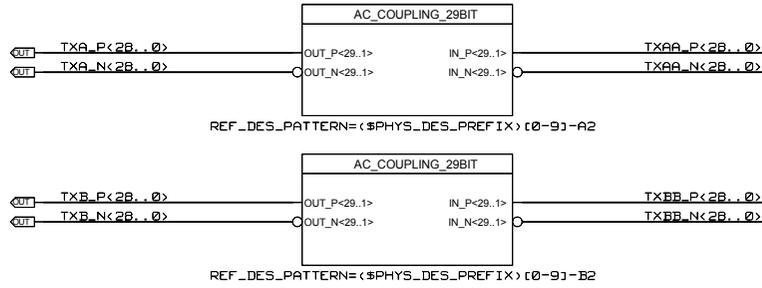
## AC COUPLING



CHECKED	E.ROCCO			DRAWING TITLE  <b>I/O + AC COUPLING</b>
CHECKED	U.SCHAEFER			
CHECKED	S.RAVE			
DRAWN	BAUSS	07.08.2015		
BLOCK TITLE <b>U1_MGT_REAL_TIME</b>				
UNIVERSITY OF MAINZ		SIZE <b>C</b>	REV.	DRAWING NO.
SCALE				SHEET 1 OF 7

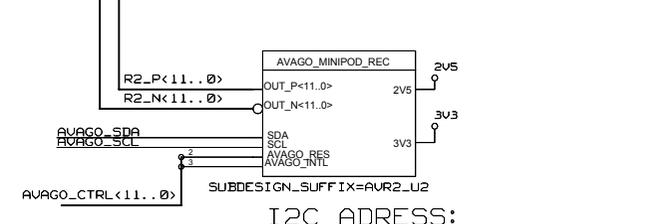
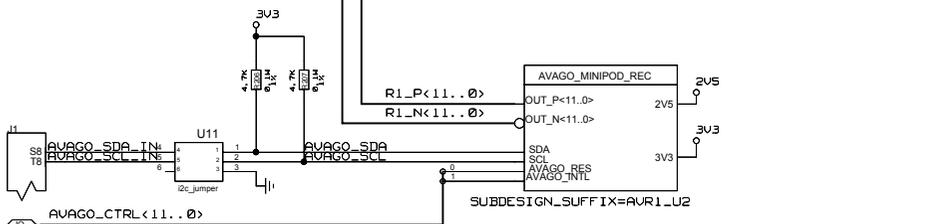
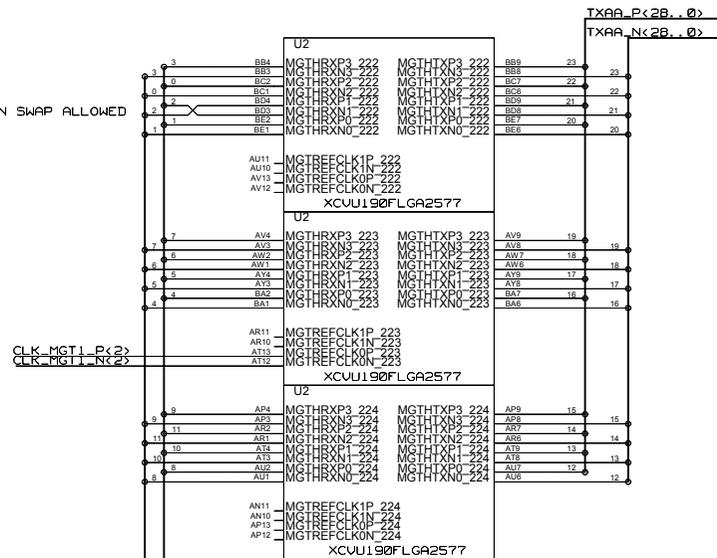
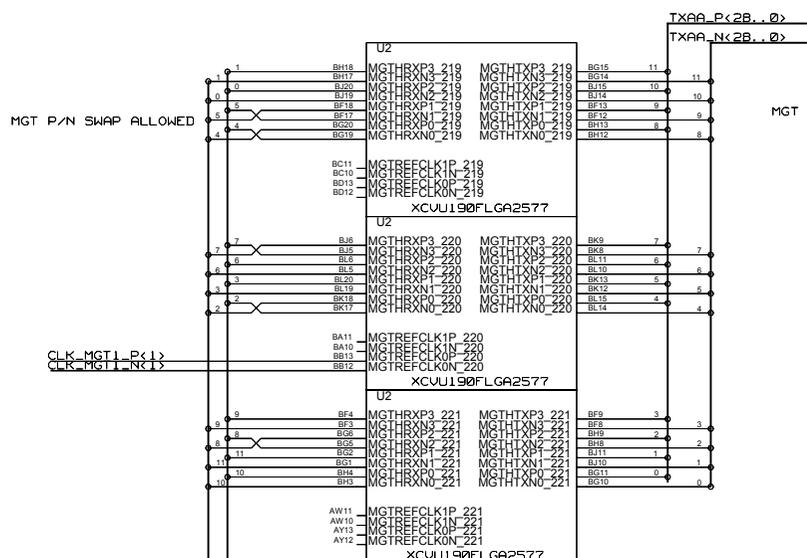
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

## AC COUPLING



CHECKED	E.ROCCO			DRAWING TITLE <h1 style="margin: 0;">I/O + AC COUPLING</h1>
CHECKED	U.SCHAEFER			
CHECKED	S.RAVE			
DRAWN	BAUSS	07.08.2015		
BLOCK TITLE				
UNIVERSITY OF MAINZ				
SIZE	REV.	DRAWING NO.		
<b>C</b>				
SCALE			SHEET 1 OF 7	

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



AVAGO\_CTRL <11..0>  
 AVAGO\_CTRL 0, 2, 4, 5, 8, 10 = AVAGO\_RES\_XX  
 AVAGO\_CTRL 1, 3, 5, 7, 9, 11 = AVAGO\_INTL\_XX

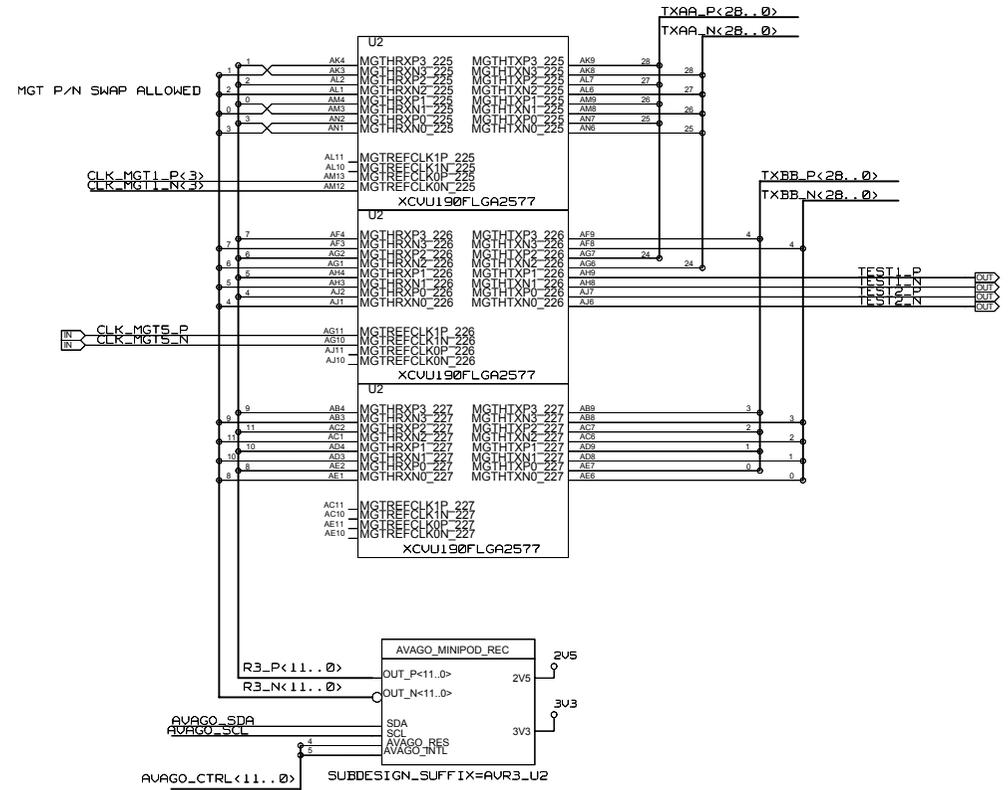
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 R3=XXX R4=XXX  
 R5=XXX R6=XXX  
 R7=XXX R8=XXX

I2C ADDRESS:  
 R3=XXX R4=XXX  
 R5=XXX R6=XXX  
 R7=XXX R8=XXX



CHECKED	NAME	DATE	SIGN	DRAWING TITLE  AVAGO TXA	
	E.ROCCO				
	U.SCHAEFER				
	S.RAVE				
	BAUSS	07.08.2015			
BLOCK TITLE U2_MGT_REAL_TIME				SIZE C	DRAWING NO.
UNIVERSITY OF MAINZ				SCALE	SHEET 2 OF 7

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



I2C ADDRESS:  
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R5=XXXX R0=XXXX  
R7=XXXX R8=XXXX

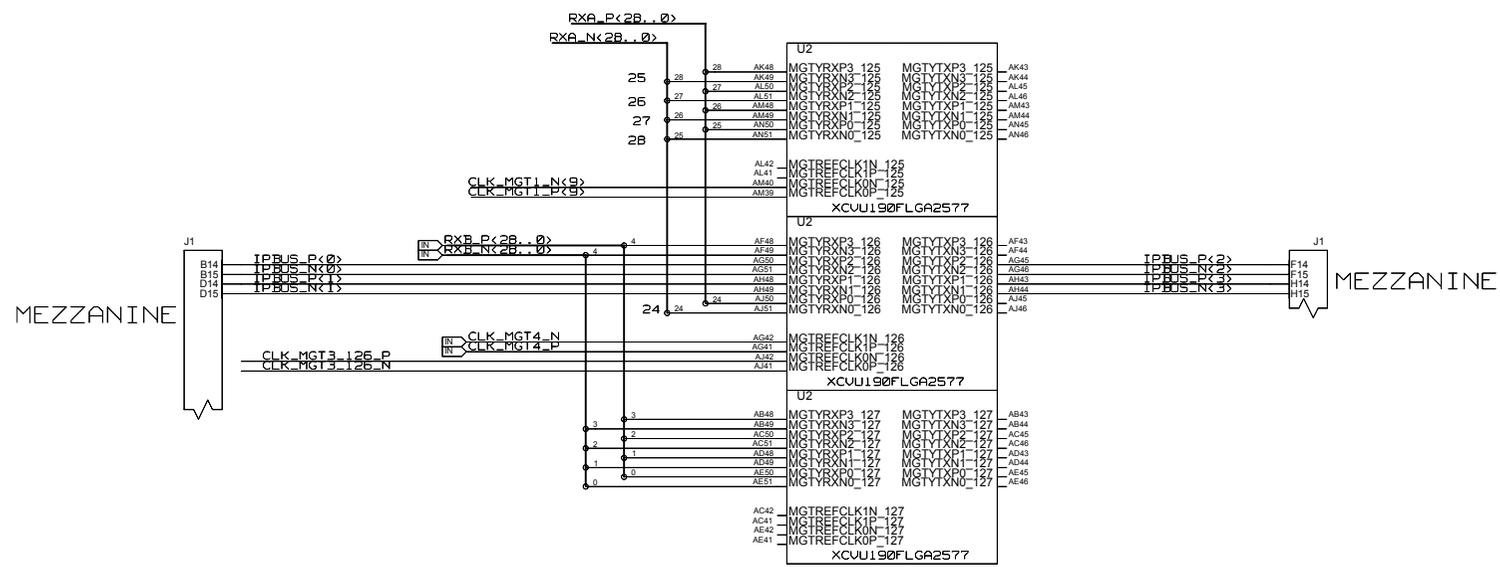
BANK  
00000000  
00000000  
00000000  
00000000

CHECKED	NAME	DATE	SIGN	DRAWING TITLE
CHECKED	E.ROCCO			AVAGO TXA + TXB
CHECKED	U.SCHAEFER			
CHECKED	S.RAVE			
DRAWN	BAUSS	07.08.2015		
BLOCK TITLE	U3_MGT_REAL_TIME			
UNIVERSITY OF MAINZ				SIZE <b>C</b>
SCALE				REV.
DRAWING NO.				SHEET 3 OF 7





REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

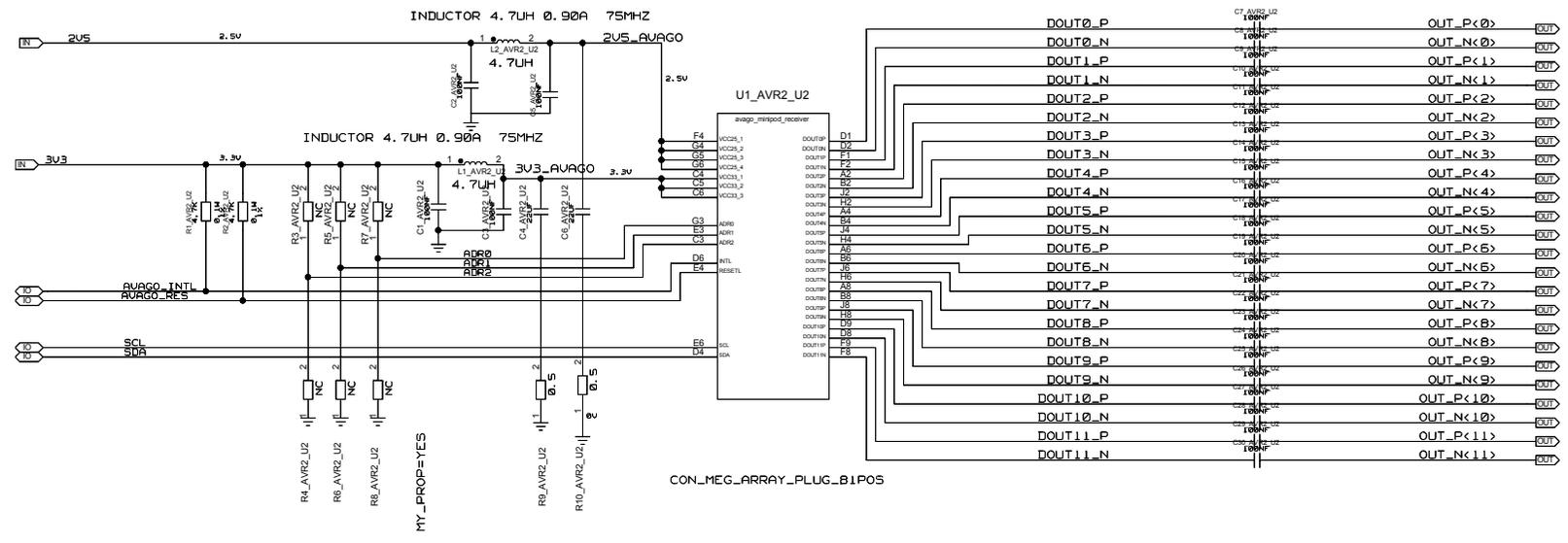


BANK
1207
1208
1209
1210

CHECKED	NAME	DATE	SIGN	DRAWING TITLE  RXA + RXB TXD + IPBUS
	E.ROCCO			
	U.SCHAEFER			
	S.RAVE			
	BAUSS	07.08.2015		
BLOCK TITLE U2_MGT_REAL_TIME				SIZE <b>C</b>
UNIVERSITY OF MAINZ				REV.
SCALE				DRAWING NO.
				SHEET 6 OF 7

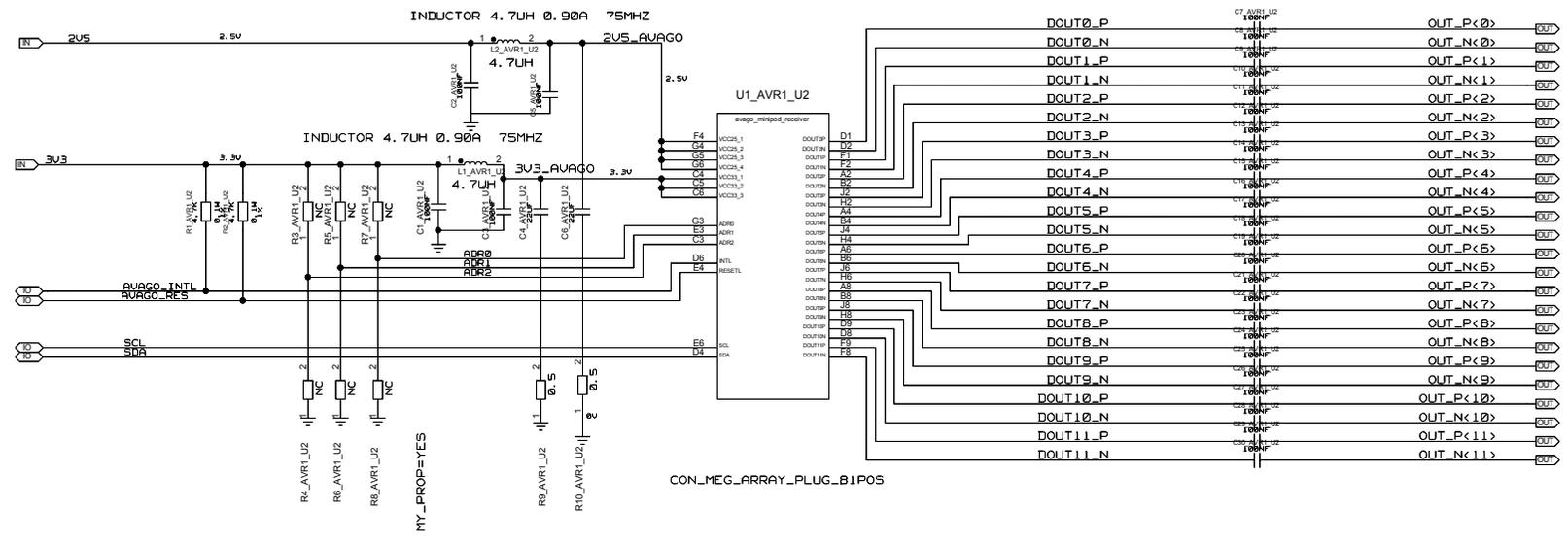


REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



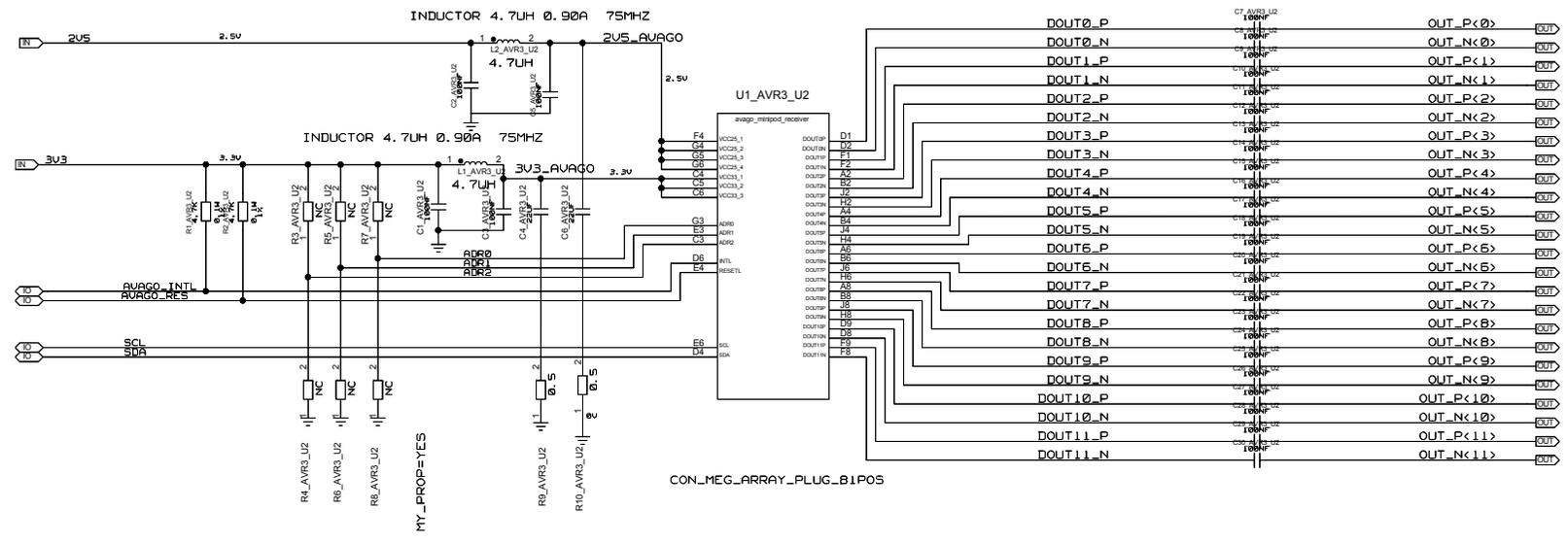
UNIVERSITY OF MAINZ		DRAWING TITLE	
		AVAGO RECEIVER	
SIZE	REV.	DRAWING NO.	
C			
SCALE		SHEET OF	

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



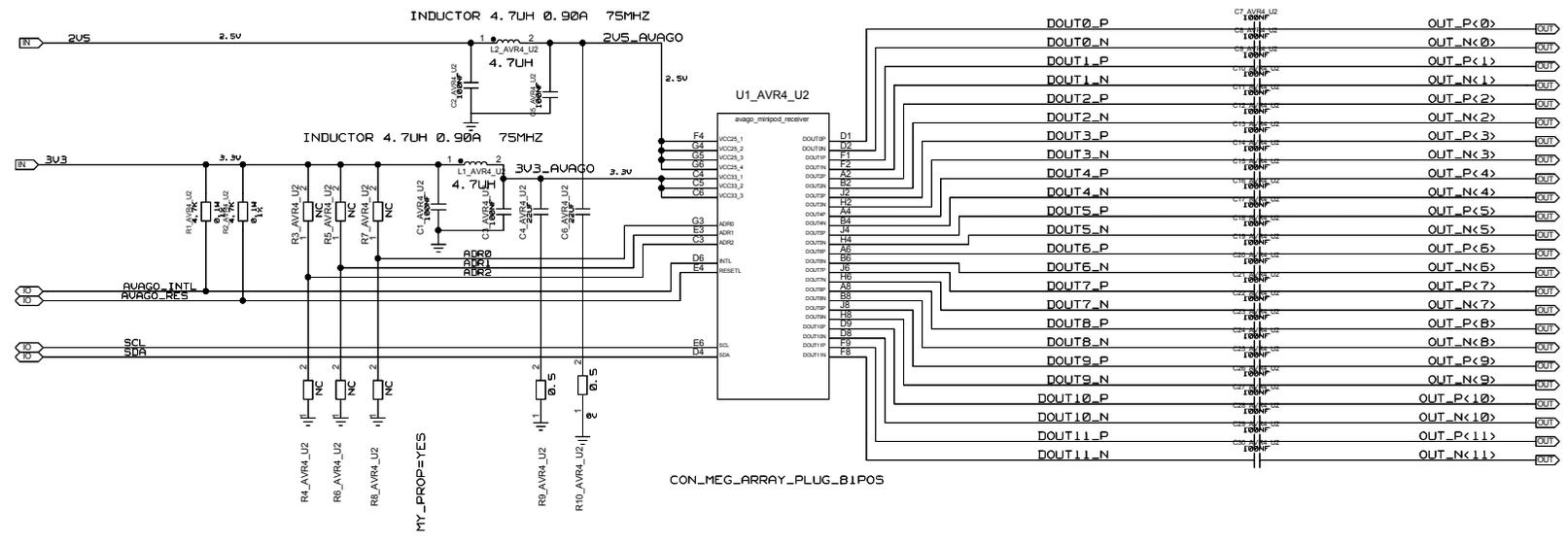
UNIVERSITY OF MAINZ		DRAWING TITLE	
		AVAGO RECEIVER	
SIZE	REV.	DRAWING NO.	
C			
SCALE		SHEET OF	

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



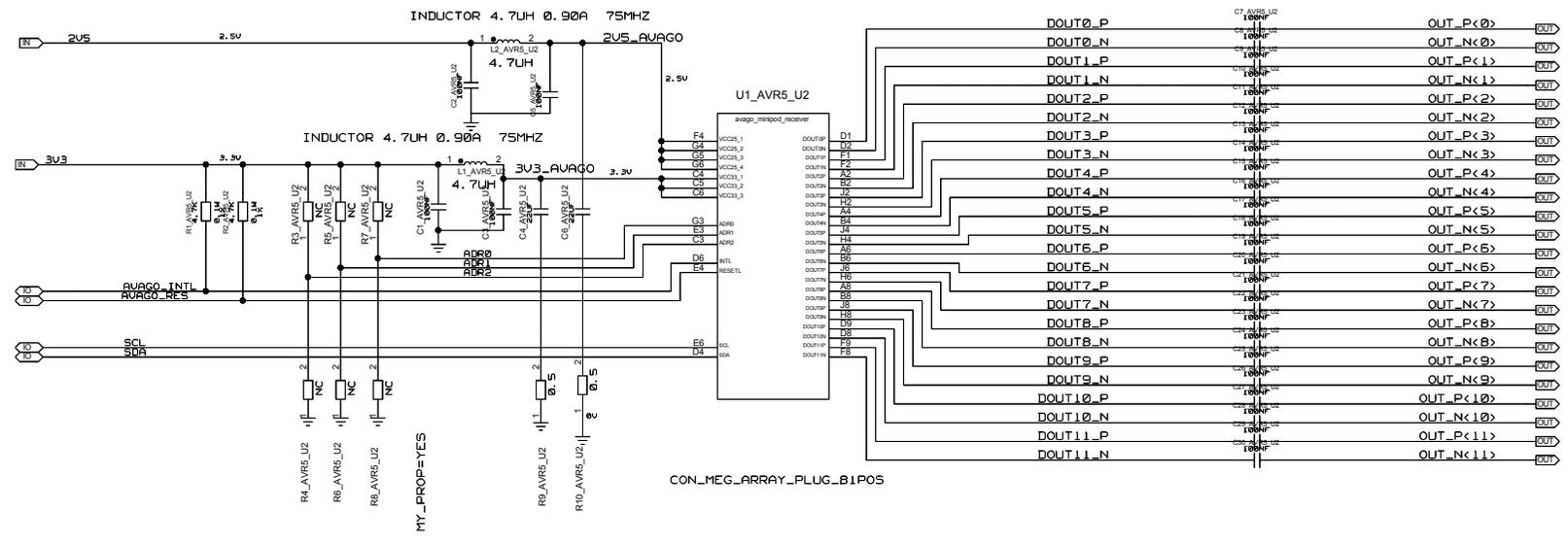
UNIVERSITY OF MAINZ		DRAWING TITLE	
		AVAGO RECEIVER	
SIZE	REV.	DRAWING NO.	
C			
SCALE		SHEET OF	

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



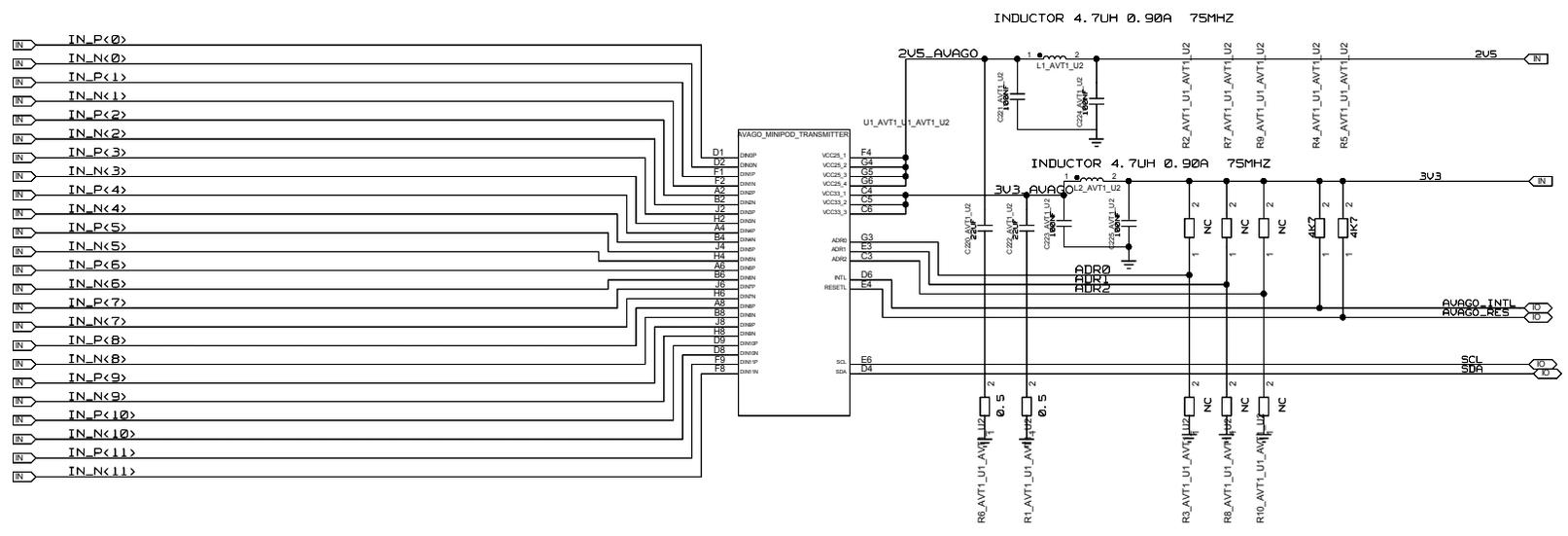
UNIVERSITY OF MAINZ		DRAWING TITLE	
		AVAGO RECEIVER	
SIZE	REV.	DRAWING NO.	
C			
SCALE		SHEET OF	

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



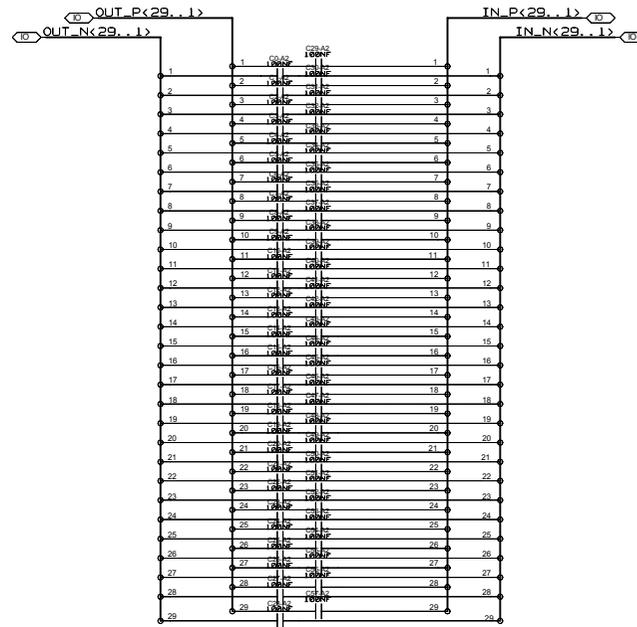
UNIVERSITY OF MAINZ		DRAWING TITLE	
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SIZE	REV.	DRAWING NO.	
C			
SCALE		SHEET OF	

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



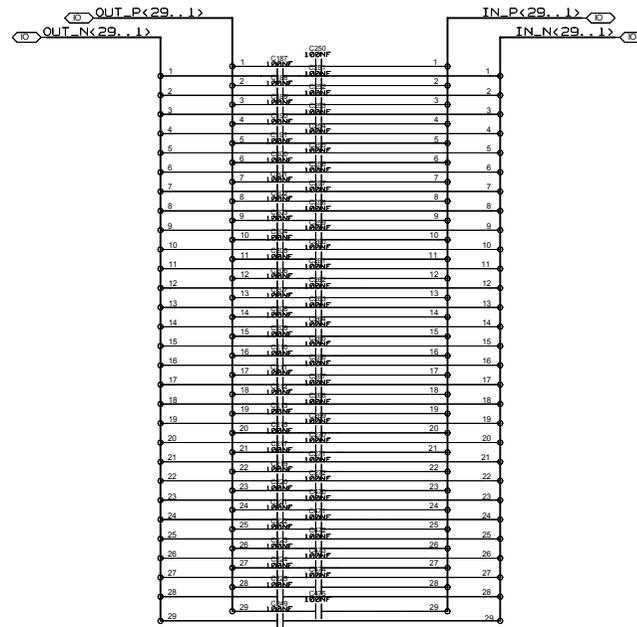
UNIVERSITY OF MAINZ		DRAWING TITLE	
		AVAGO TRANSMITTER	
SIZE	REV.	DRAWING NO.	
C			
SCALE		SHEET OF	

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



CHECKED	NAME	DATE	SIGN	DRAWING TITLE  AC COUPLING 29BIT	
CHECKED	E.ROCCO				
CHECKED	U.SCHAEFER				
CHECKED	S.RAVE				
DRAWN	BAUSS				
BLOCK TITLE					
UNIVERSITY OF MAINZ				SIZE <b>C</b>	REV.
				DRAWING NO.	
SCALE				SHEET	OF

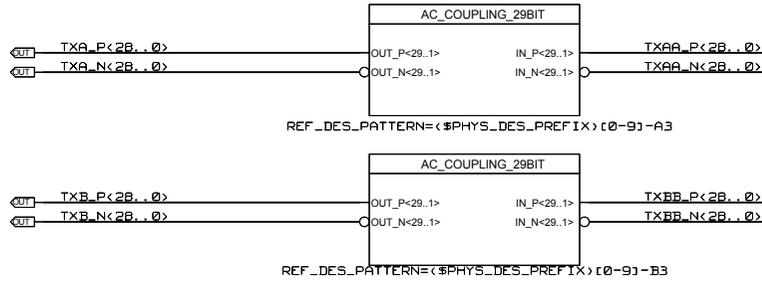
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



CHECKED	NAME	DATE	SIGN	DRAWING TITLE  AC COUPLING 29BIT	
CHECKED	E.ROCCO				
CHECKED	U.SCHAEFER				
CHECKED	S.RAVE				
DRAWN	BAUSS			BLOCK TITLE	
UNIVERSITY OF MAINZ				SIZE <b>C</b>	REV.
				SCALE	DRAWING NO.
			SHEET	OF	

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

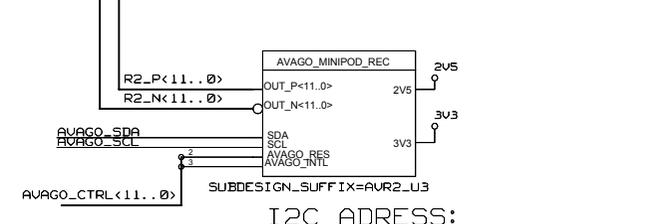
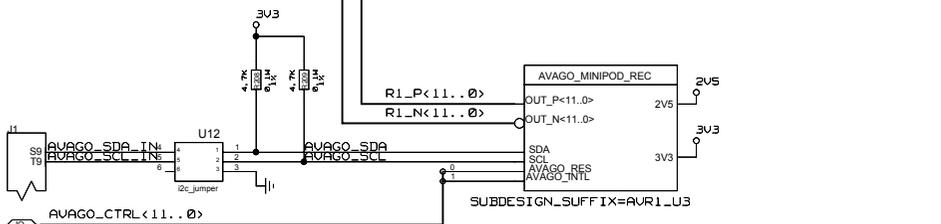
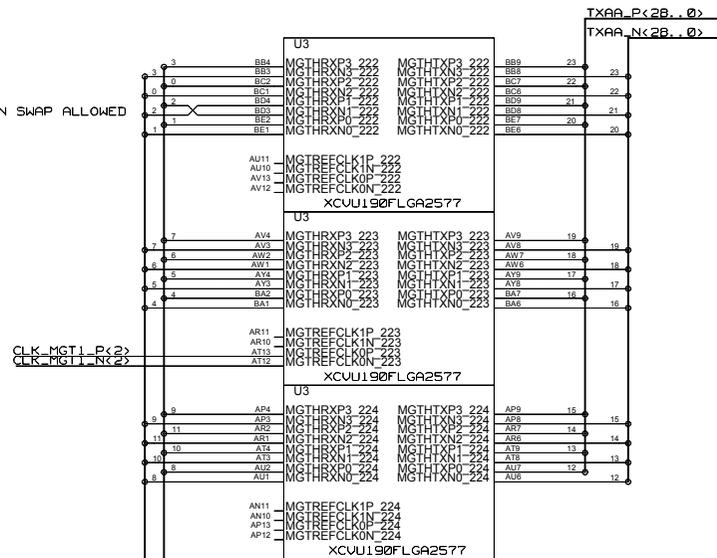
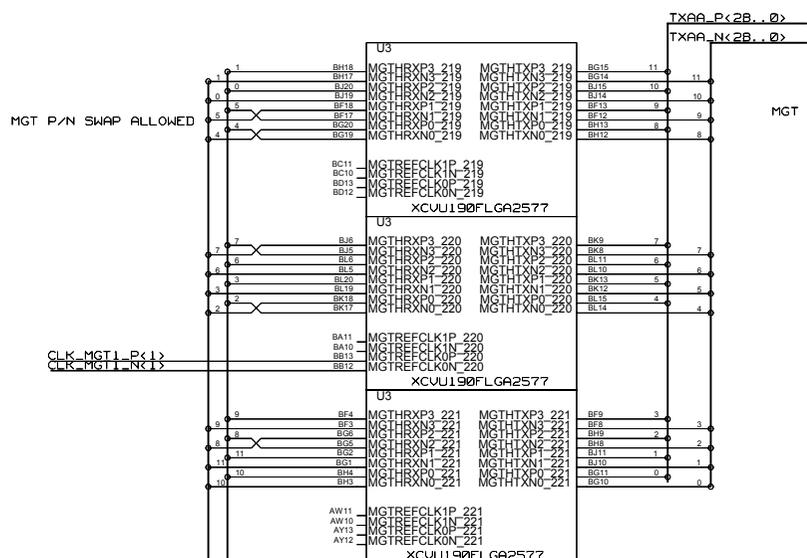
## AC COUPLING



IN CLK\_MGT1\_P<12..1>  
 IN CLK\_MGT1\_N<12..1>  
 IN CLK\_MGT2\_P<6..1>  
 IN CLK\_MGT2\_N<6..1>

CHECKED	NAME	DATE	SIGN	DRAWING TITLE  <b>I/O + AC COUPLING</b>	
CHECKED	E.ROCCO				
CHECKED	U.SCHAEFER				
CHECKED	S.RAVE				
DRAWN	BAUSS	07.08.2015			
BLOCK TITLE <b>U3_MGT_REAL_TIME</b>				SIZE <b>C</b>	REV.
UNIVERSITY OF MAINZ				SCALE	DRAWING NO.
				SHEET 1 OF 7	

ZONE		LTR	REVISIONS	DESCRIPTION	DATE	APPR.



AVAGO\_CTRL <11..0>  
 AVAGO\_CTRL 0, 2, 4, 6, 8, 10 = AVAGO\_RES\_XX  
 AVAGO\_CTRL 1, 3, 5, 7, 9, 11 = AVAGO\_INTL\_XX

I2C ADDRESS:  
 R3=XXX R4=XXX  
 R5=XXX R6=XXX  
 R7=XXX R8=XXX

I2C ADDRESS:  
 R3=XXX R4=XXX  
 R5=XXX R6=XXX  
 R7=XXX R8=XXX



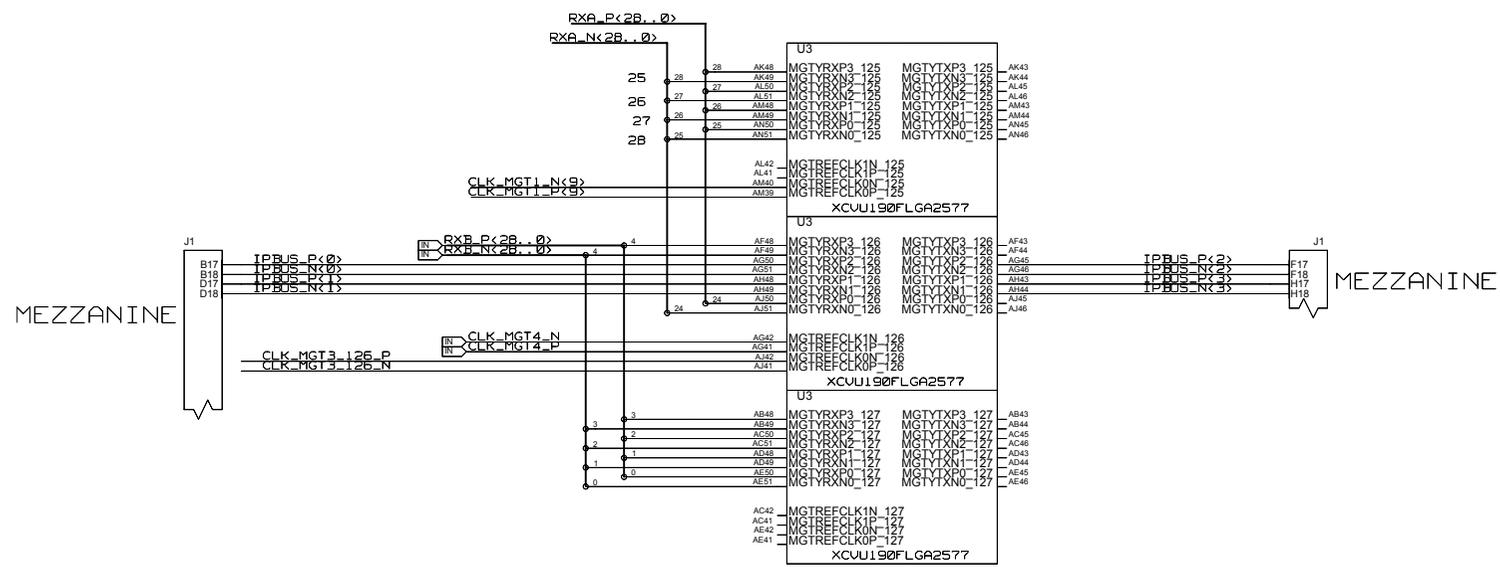
CHECKED	NAME	DATE	SIGN	DRAWING TITLE  <b>AVAGO TXA</b>
	E.ROCCO			
	U.SCHAEFER			
	S.RAVE			
	BAUSS	07.08.2015		
BLOCK TITLE <b>U3_MGT_REAL_TIME</b>				SIZE <b>C</b>
UNIVERSITY OF MAINZ				DRAWING NO.
SCALE				SHEET 2 OF 7







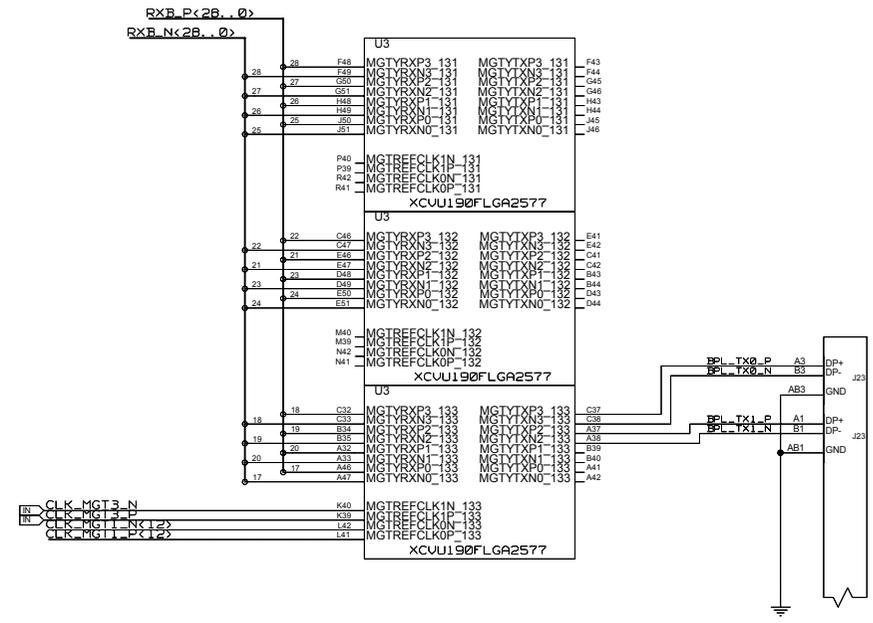
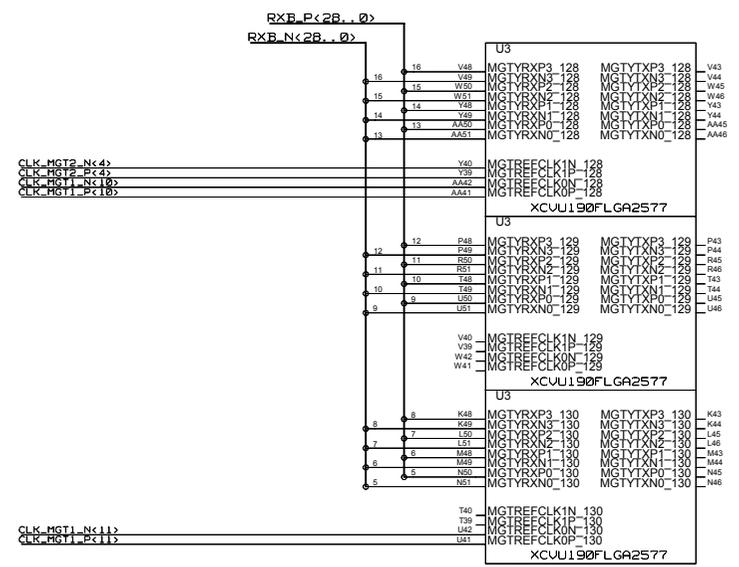
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



BANK
1207
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1209
1210

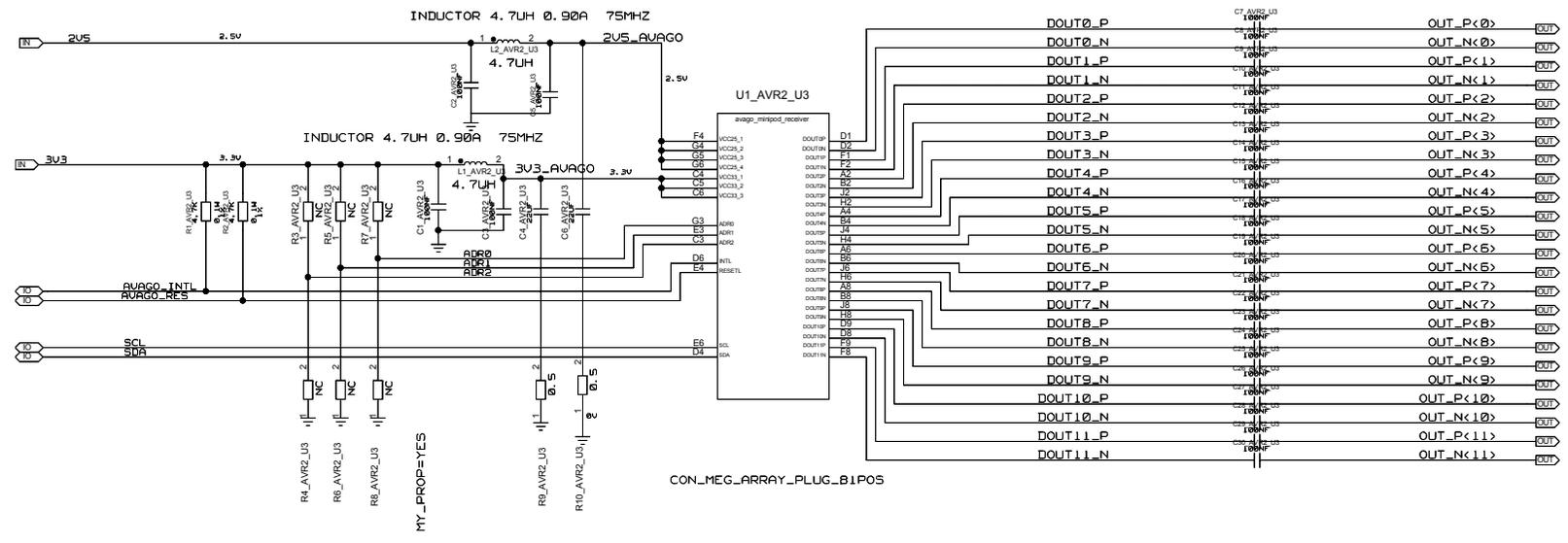
CHECKED	E.ROCCO	DATE	SIGN	DRAWING TITLE <b>RXA + RXB TXD + IPBUS</b>
CHECKED	U.SCHAEFER			
CHECKED	S.RAVE			
DRAWN	BAUSS	07.08.2015		
BLOCK TITLE	U3_MGT_REAL_TIME			
UNIVERSITY OF MAINZ				SIZE <b>C</b>
SCALE				REV.
DRAWING NO.				SHEET 6 OF 7

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



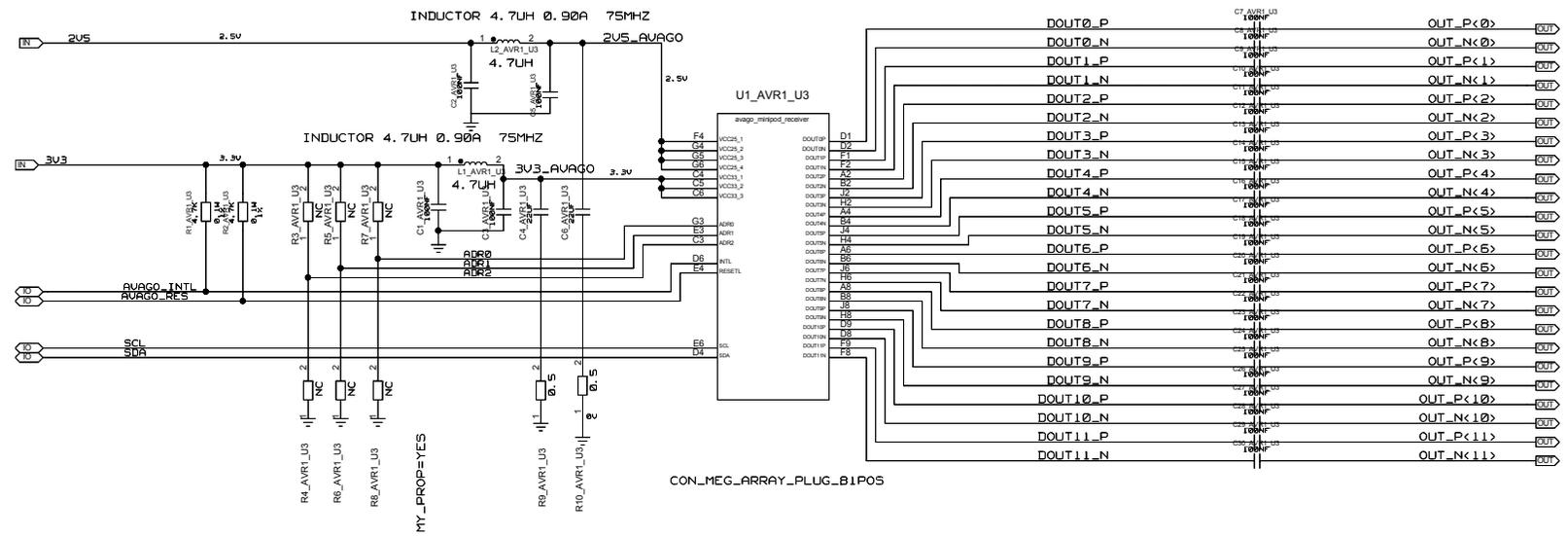
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CHECKED	U.SCHAEFER			
CHECKED	S.RAVE			
DRAWN	BAUSS	07.08.2015		
BLOCK TITLE <b>U3_MGT_REAL_TIME</b>				
UNIVERSITY OF MAINZ		SIZE <b>C</b>	REV.	DRAWING NO.
SCALE				SHEET 7 OF 7

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



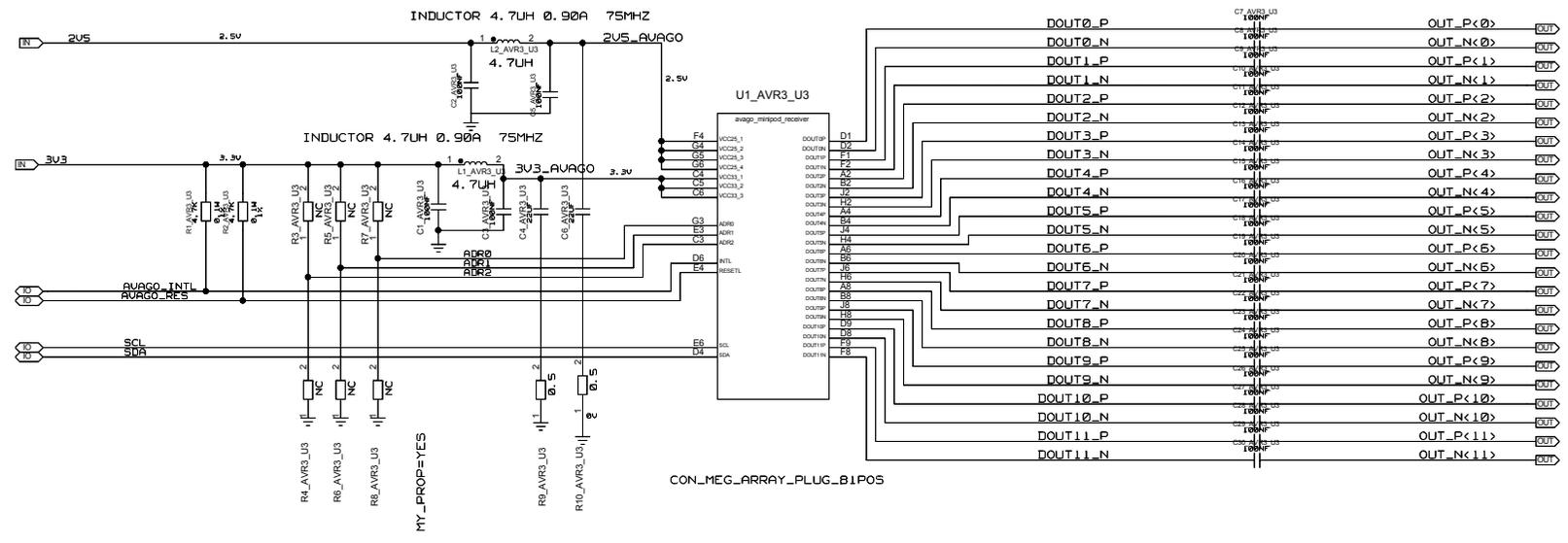
UNIVERSITY OF MAINZ		DRAWING TITLE	
		AVAGO RECEIVER	
SIZE	REV.	DRAWING NO.	
C			
SCALE		SHEET OF	

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



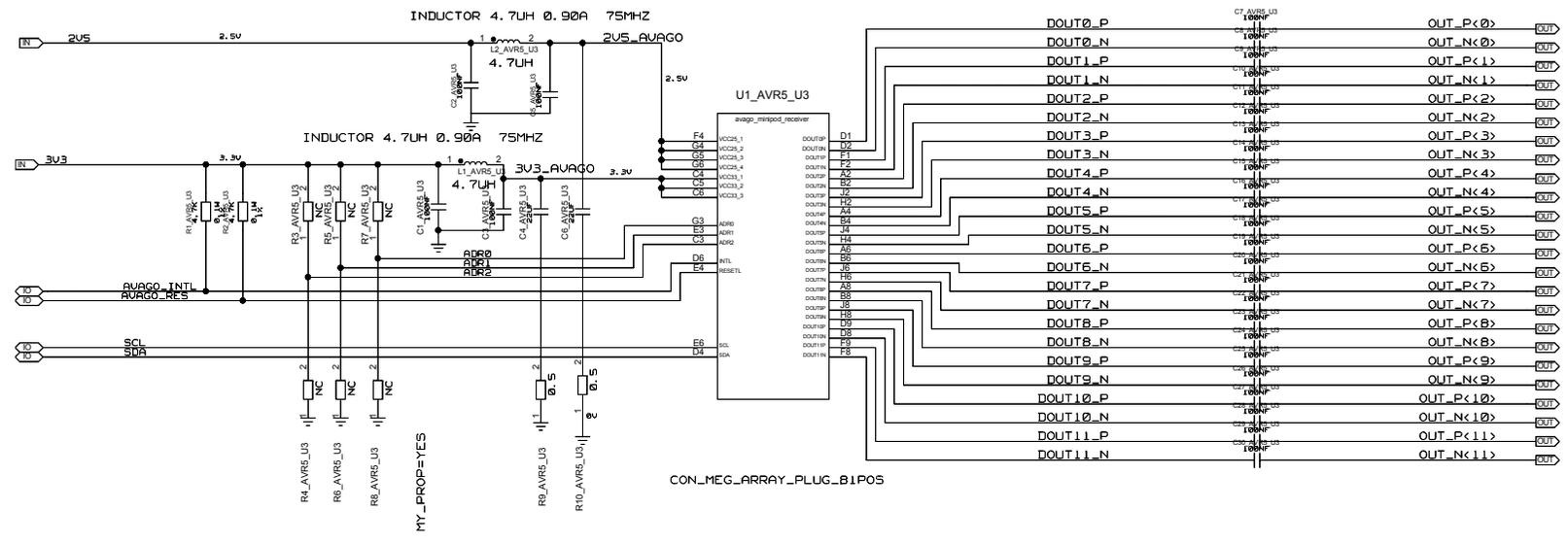
UNIVERSITY OF MAINZ		DRAWING TITLE	
		AVAGO RECEIVER	
SIZE	REV.	DRAWING NO.	
C			
SCALE			SHEET OF

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



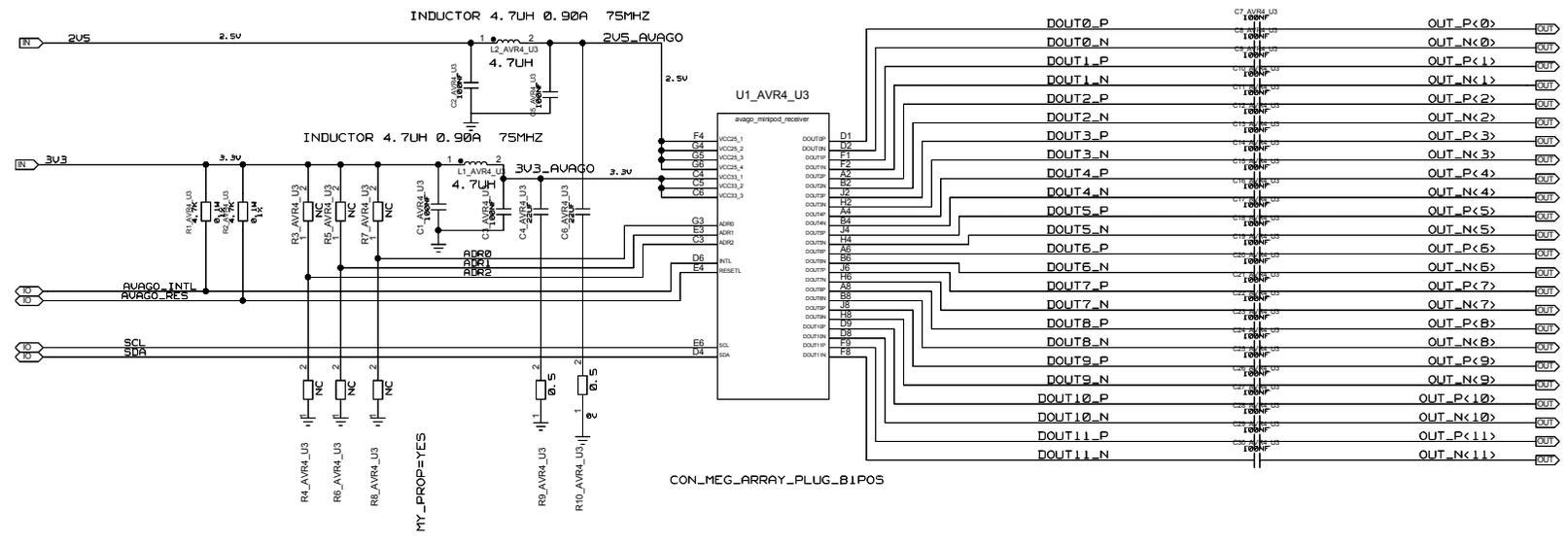
UNIVERSITY OF MAINZ		DRAWING TITLE	
		AVAGO RECEIVER	
SIZE	REV.	DRAWING NO.	
C			
SCALE		SHEET OF	

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



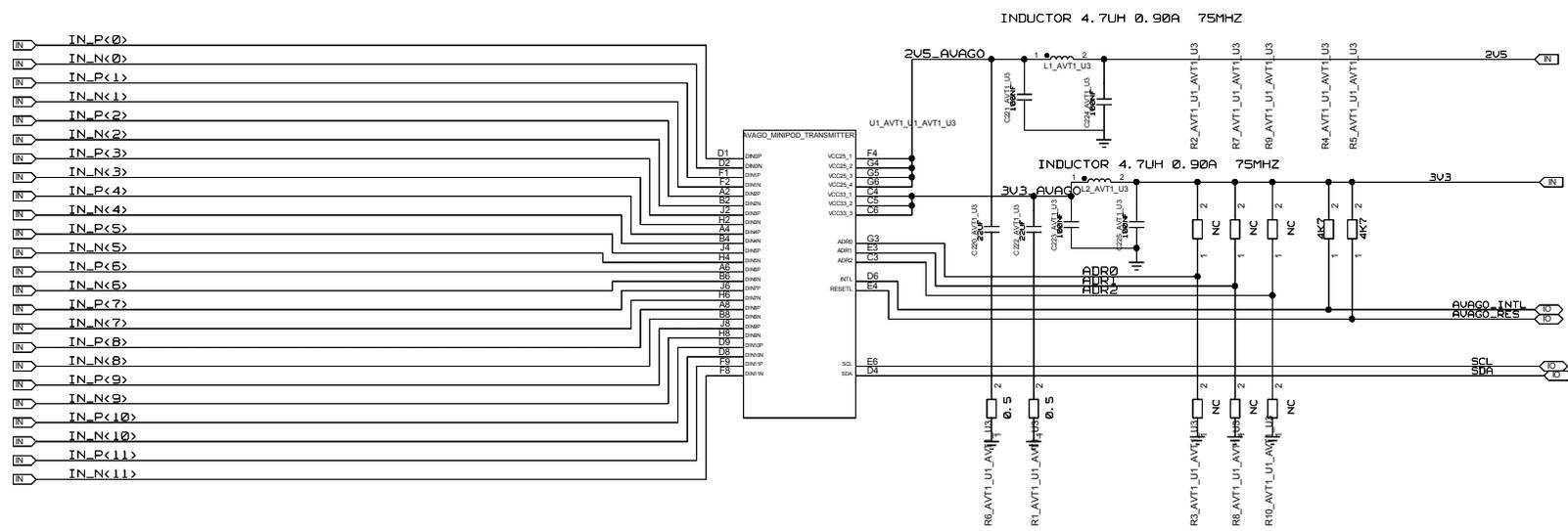
UNIVERSITY OF MAINZ		DRAWING TITLE	
		AVAGO RECEIVER	
SIZE	REV.	DRAWING NO.	
C			
SCALE			SHEET OF

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



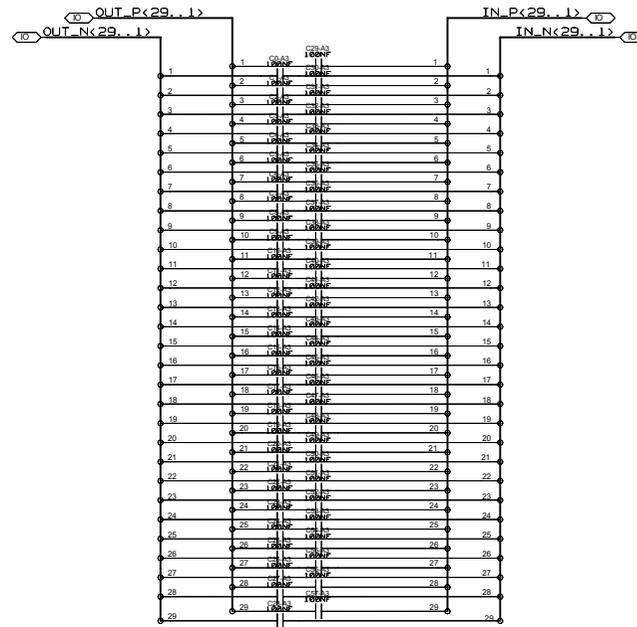
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		AVAGO RECEIVER	
SIZE	REV.	DRAWING NO.	
C			
SCALE		SHEET OF	

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



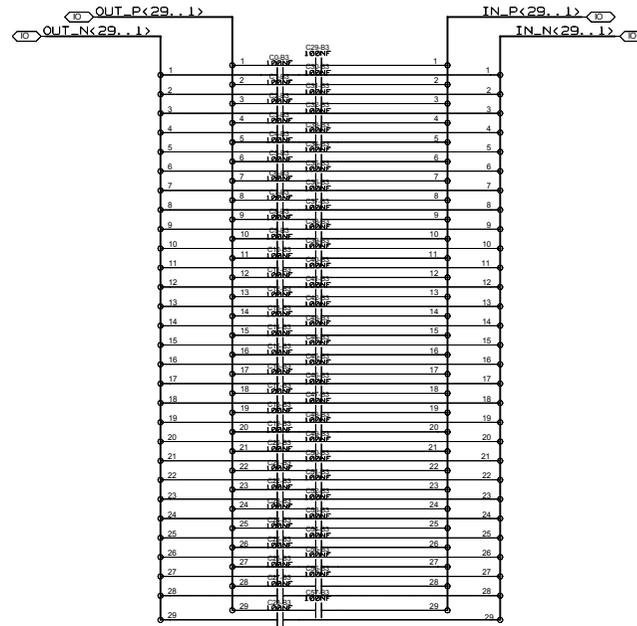
UNIVERSITY OF MAINZ		DRAWING TITLE AVAGO TRANSMITTER	
SIZE <b>C</b>	REV.	DRAWING NO.	
SCALE			SHEET OF

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



CHECKED	NAME	DATE	SIGN	DRAWING TITLE  AC COUPLING 29BIT	
CHECKED	E.ROCCO				
CHECKED	U.SCHAEFER				
CHECKED	S.RAVE				
DRAWN	BAUSS			BLOCK TITLE	
UNIVERSITY OF MAINZ				SIZE <b>C</b>	REV.
				DRAWING NO.	
SCALE			SHEET OF		

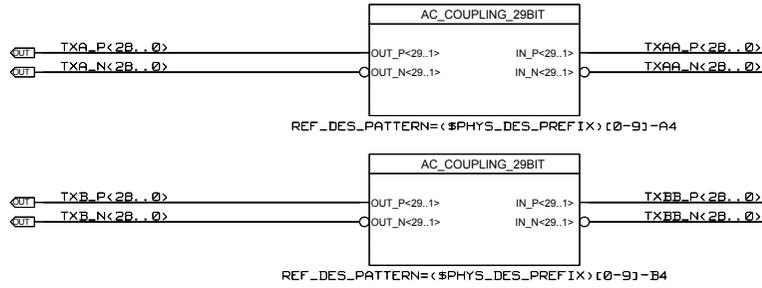
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



CHECKED	NAME	DATE	SIGN	DRAWING TITLE  AC COUPLING 29BIT	
CHECKED	E.ROCCO				
CHECKED	U.SCHAEFER				
CHECKED	S.RAVE				
DRAWN	BAUSS			BLOCK TITLE	
UNIVERSITY OF MAINZ				SIZE <b>C</b>	REV.
				DRAWING NO.	
SCALE			SHEET OF		

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

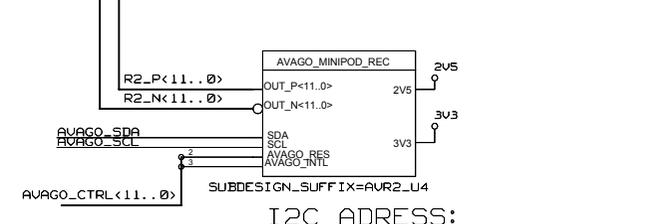
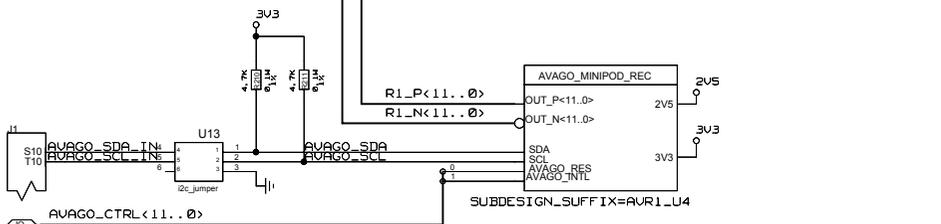
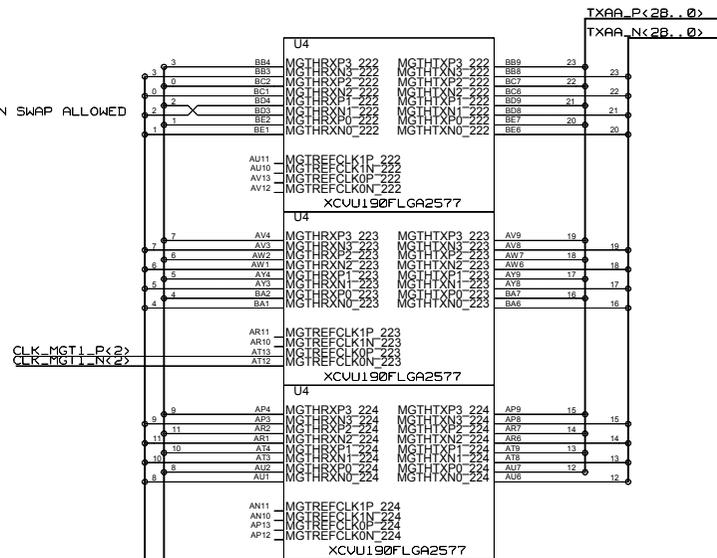
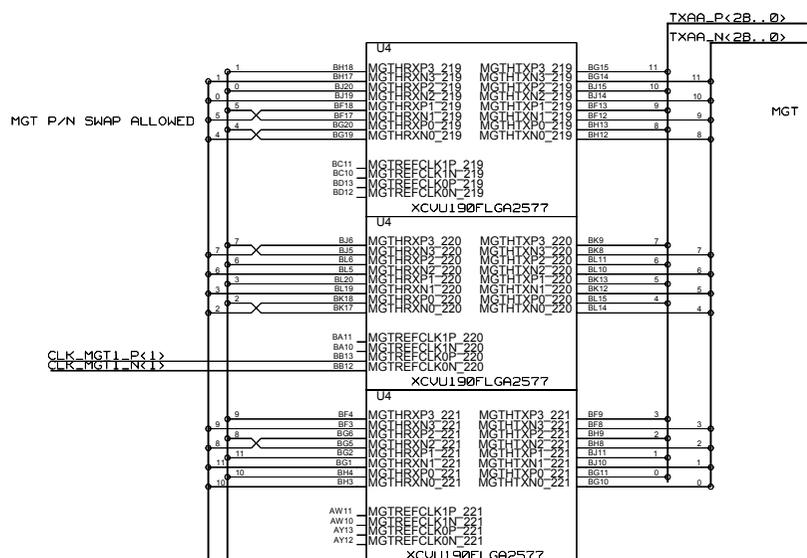
## AC COUPLING



IN CLK\_MGT1\_P<12..1>  
 IN CLK\_MGT1\_N<12..1>  
 IN CLK\_MGT2\_P<6..1>  
 IN CLK\_MGT2\_N<6..1>

CHECKED	NAME	DATE	SIGN	DRAWING TITLE  <b>I/O + AC COUPLING</b>	
CHECKED	E.ROCCO				
CHECKED	U.SCHAEFER				
CHECKED	S.RAVE				
DRAWN	BAUSS	07.08.2015			
BLOCK TITLE <b>U4_MGT_REAL_TIME</b>				SIZE <b>C</b>	REV.
UNIVERSITY OF MAINZ				SCALE	DRAWING NO.
				SHEET 1 OF 7	

ZONE		LTR	REVISIONS	DESCRIPTION	DATE	APPR.



AVAGO\_CTRL <11..0>  
 AVAGO\_CTRL 0, 2, 4, 6, 8, 10 = AVAGO\_RES\_XX  
 AVAGO\_CTRL 1, 3, 5, 7, 9, 11 = AVAGO\_INTL\_XX

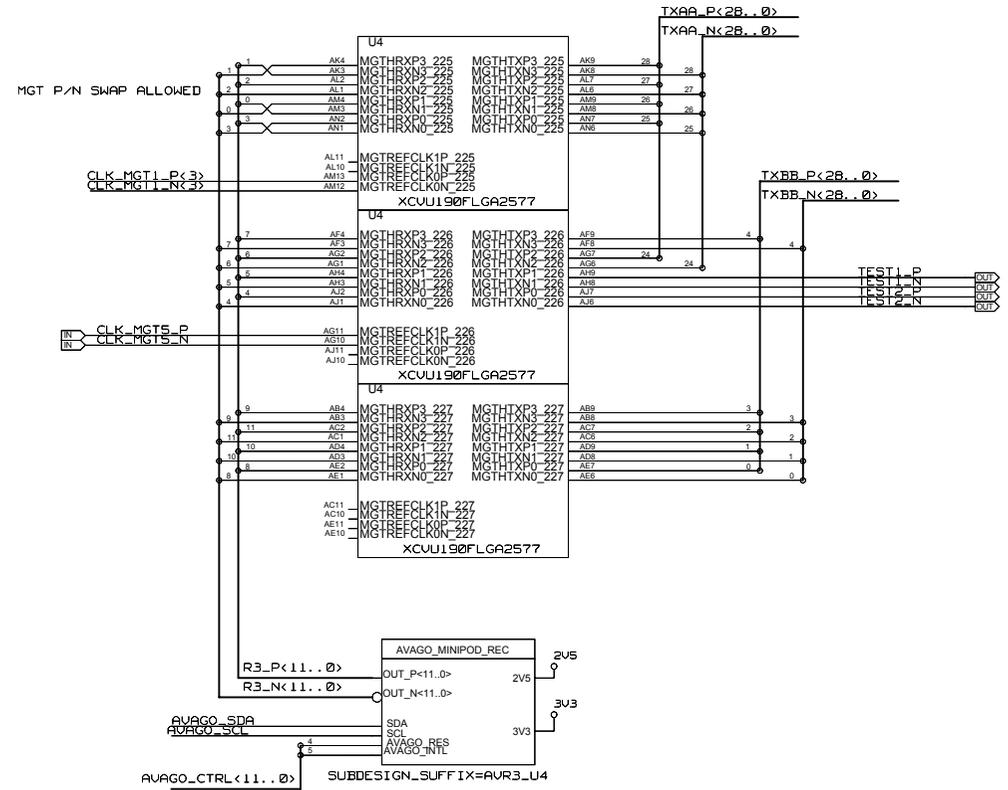
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 R3=XXX R4=XXX  
 R5=XXX R6=XXX  
 R7=XXX R8=XXX

I2C ADDRESS:  
 R3=XXX R4=XXX  
 R5=XXX R6=XXX  
 R7=XXX R8=XXX



CHECKED	NAME	DATE	SIGN	DRAWING TITLE  AVAGO TXA	
	E.ROCCO				
	U.SCHAEFER				
	S.RAVE				
	BAUSS	07.08.2015			
BLOCK TITLE U4_MGT_REAL_TIME				SIZE C	DRAWING NO.
UNIVERSITY OF MAINZ				SCALE	SHEET 2 OF 7

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



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R7=XXXX R8=XXXX

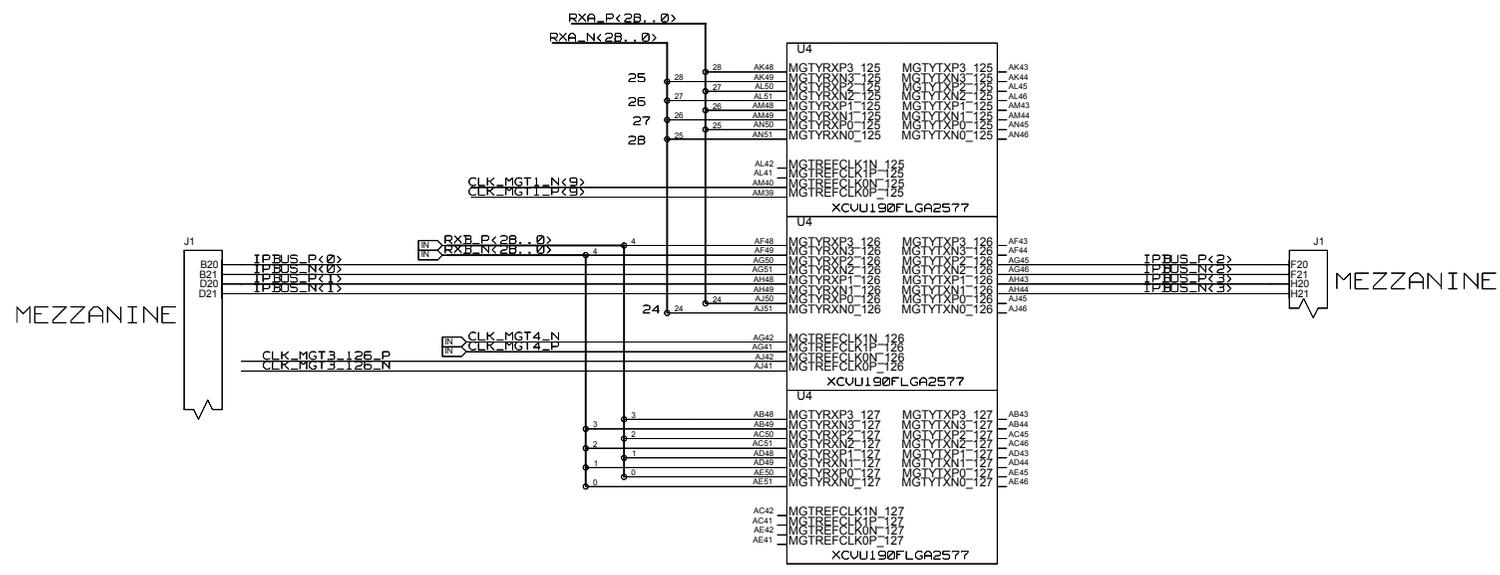
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CHECKED	NAME	DATE	SIGN	DRAWING TITLE
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CHECKED	U.SCHAEFER			
CHECKED	S.RAVE			
DRAWN	BAUSS	07.08.2015		
BLOCK TITLE	U4_MGT_REAL_TIME			
UNIVERSITY OF MAINZ				SIZE <b>C</b>
SCALE				REV.
DRAWING NO.				SHEET 3 OF 7





REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

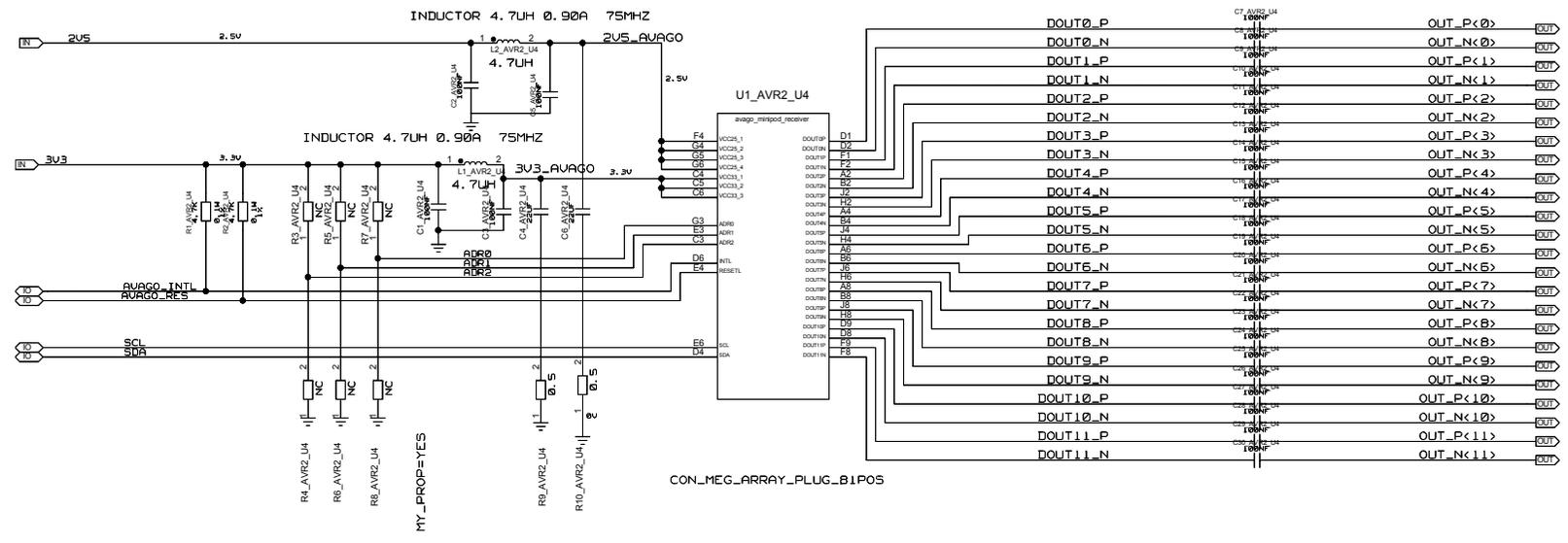


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CHECKED	E.ROCCO	DATE	SIGN	DRAWING TITLE <b>RXA + RXB TXD + IPBUS</b>
CHECKED	U.SCHAEFER			
CHECKED	S.RAVE			
DRAWN	BAUSS	07.08.2015		
BLOCK TITLE	U4_MGT_REAL_TIME			
UNIVERSITY OF MAINZ				SIZE <b>C</b>
SCALE				REV.
				DRAWING NO.
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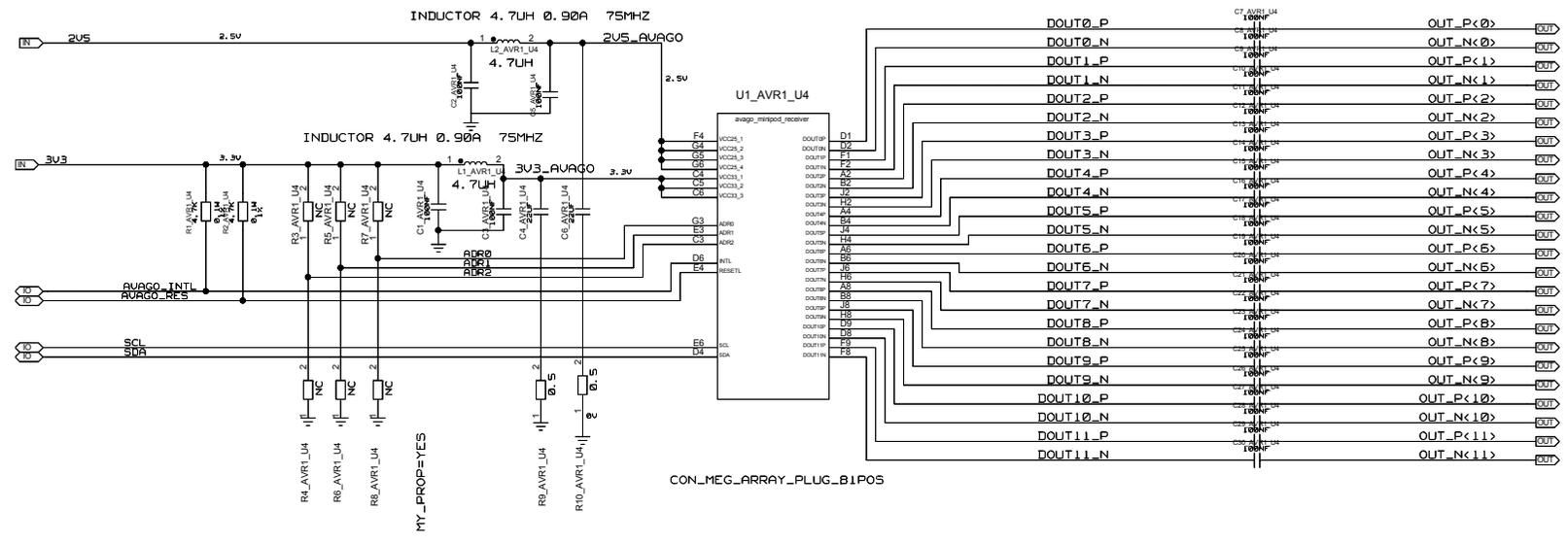


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ZONE	LTR	DESCRIPTION	DATE	APPR.



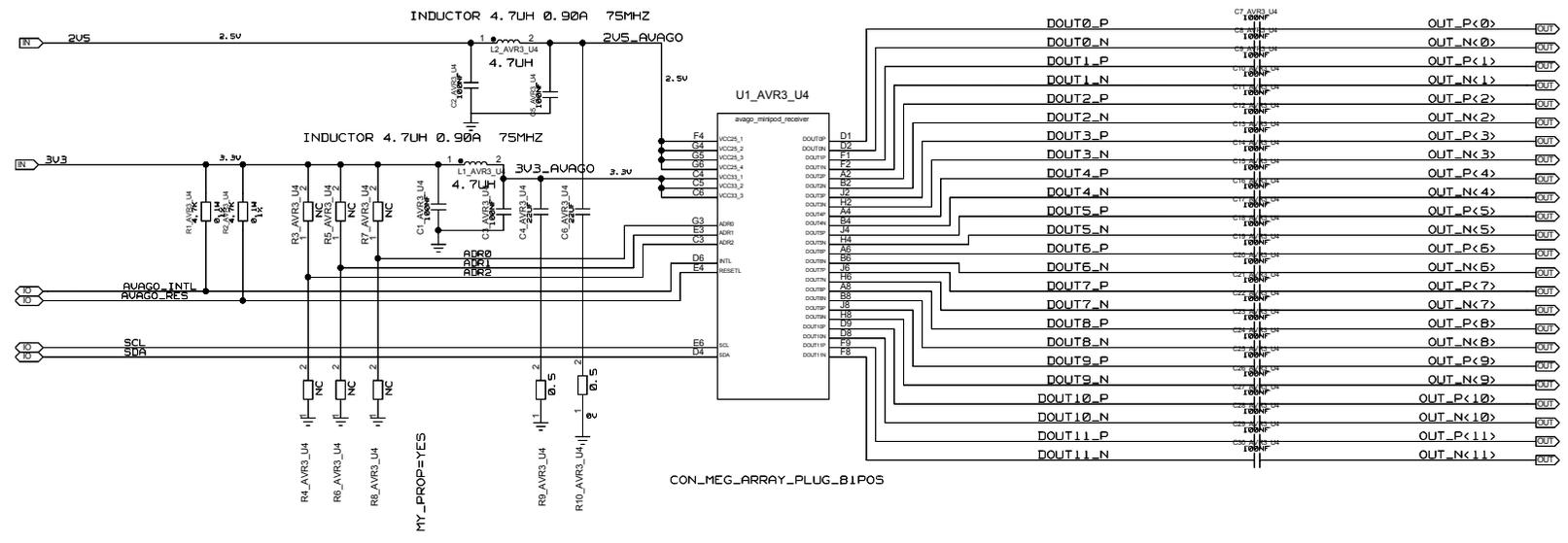
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SCALE		SHEET OF	

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



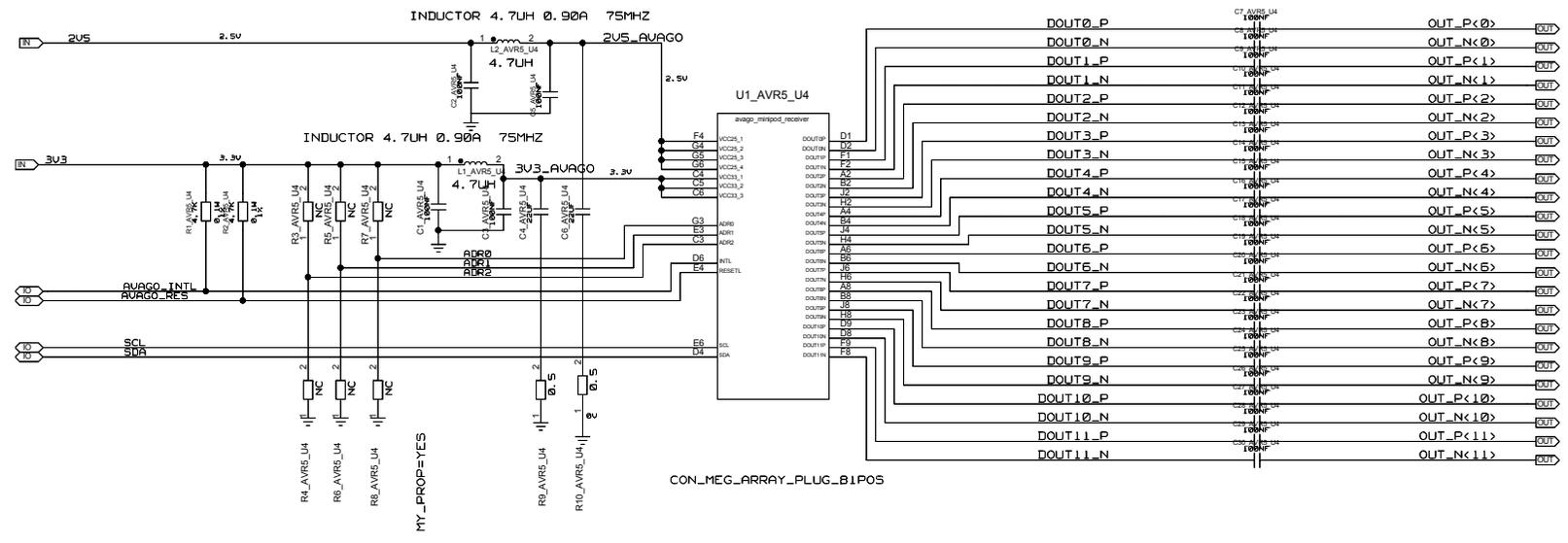
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REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



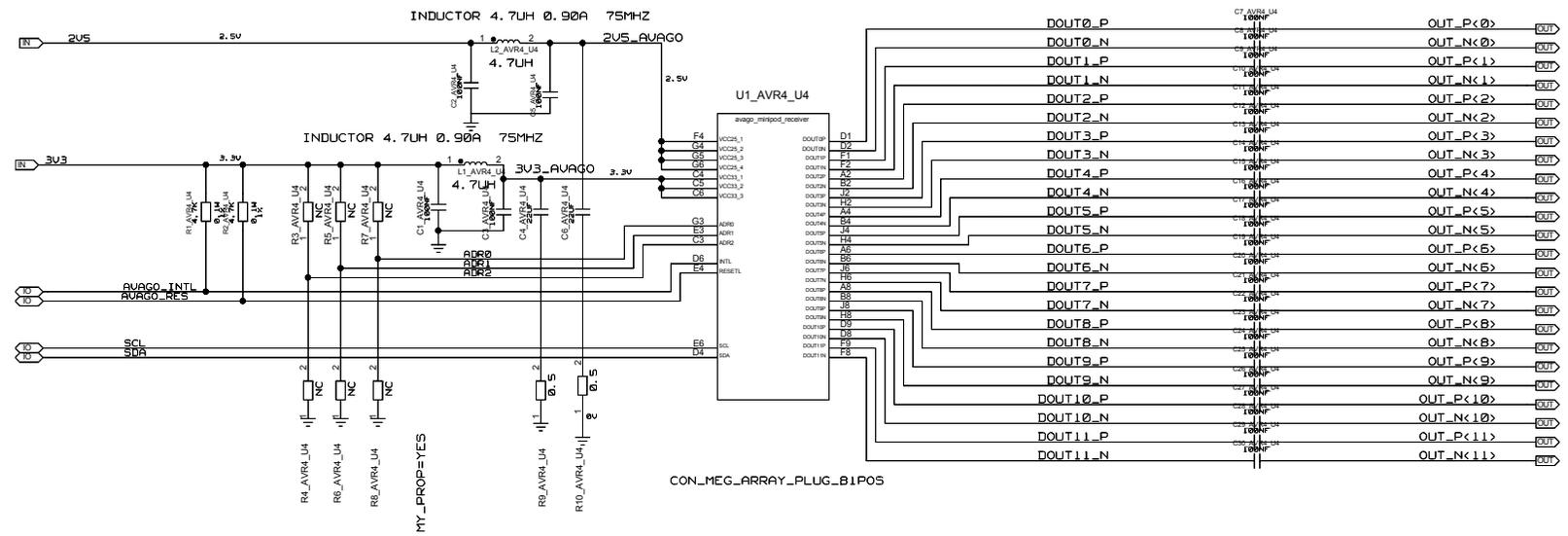
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ZONE	LTR	DESCRIPTION	DATE	APPR.



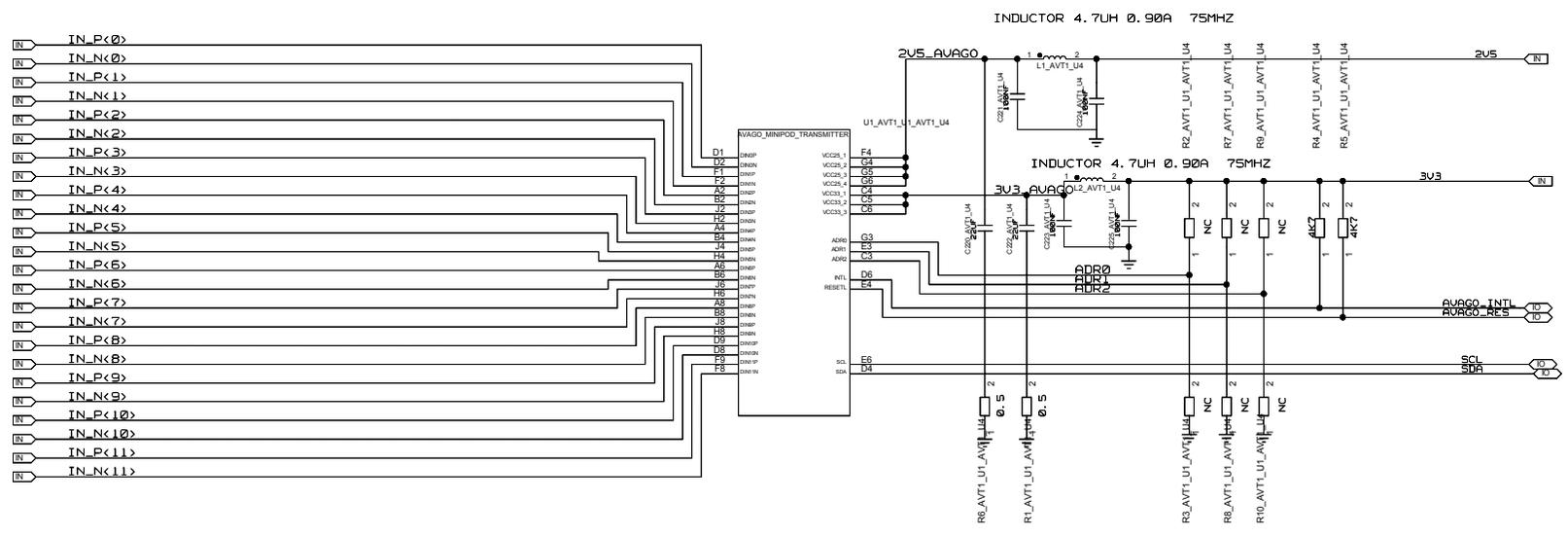
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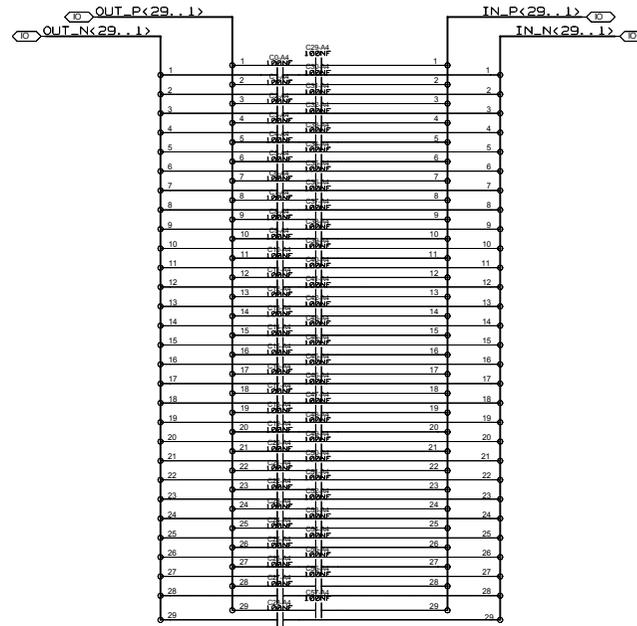
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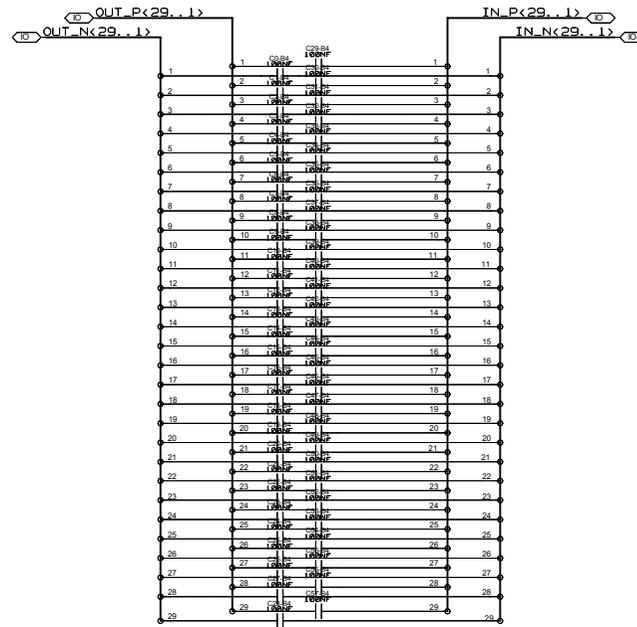
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SIZE	REV.	DRAWING NO.	
C			
SCALE		SHEET OF	

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



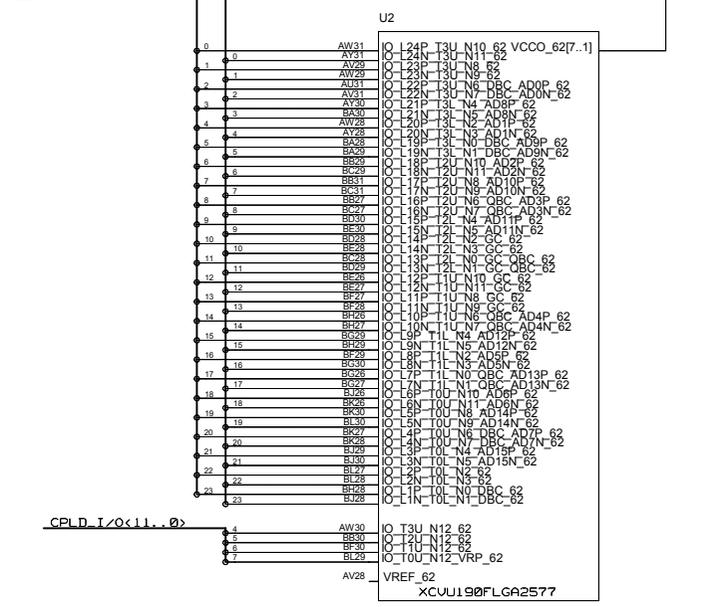
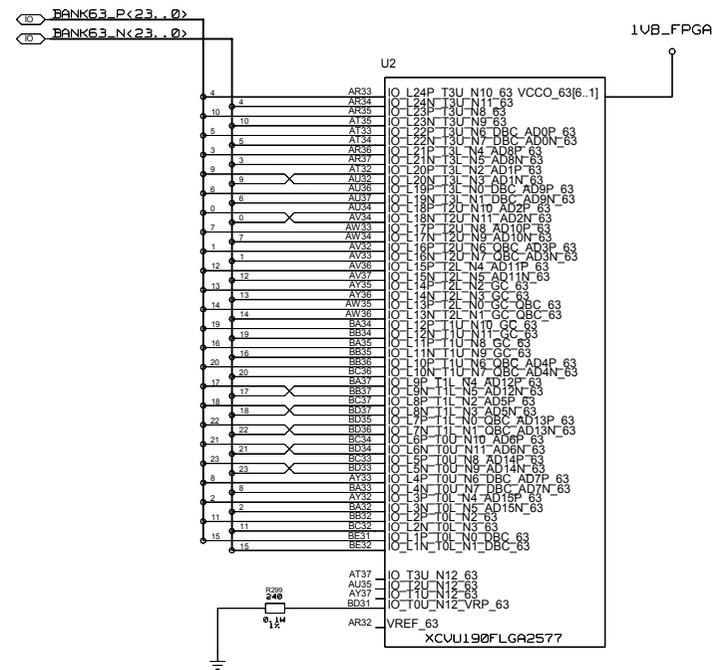
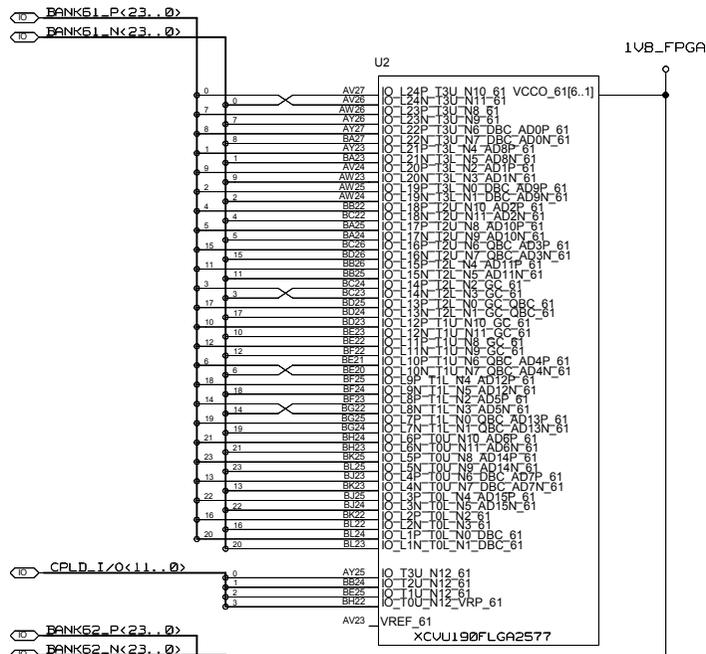
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CHECKED	U.SCHAEFER					
CHECKED	S.RAVE					
DRAWN	BAUSS					
BLOCK TITLE						
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				SCALE		SHEET OF

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



CHECKED	NAME	DATE	SIGN	DRAWING TITLE		
CHECKED	E.ROCCO				AC COUPLING 29BIT	
CHECKED	U.SCHAEFER					
CHECKED	S.RAVE					
DRAWN	BAUSS					
BLOCK TITLE						
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				SHEET	OF	

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ZONE	LTR	DESCRIPTION	DATE	APPR.

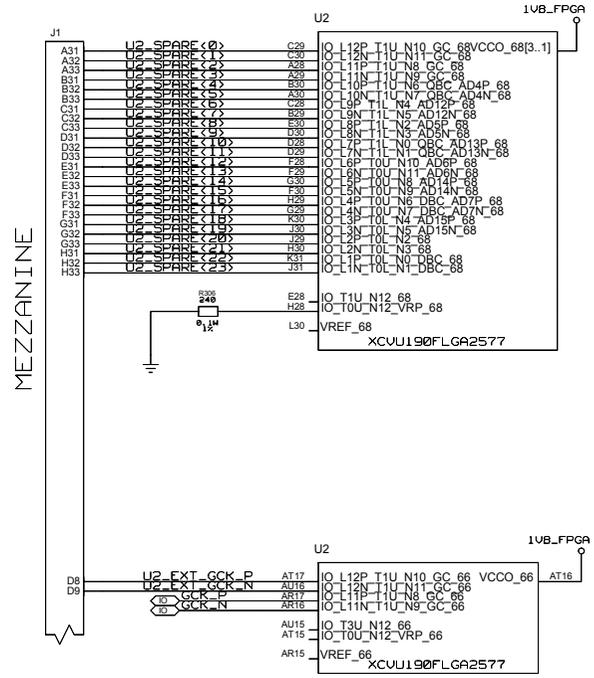


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CHECKED	E.ROCCO	DATE	SIGN	DRAWING TITLE <b>JFEX</b>
CHECKED	U.SCHAEFER			
CHECKED	S.RAVE			
DRAWN	BAUSS	25.08.2015		
BLOCK TITLE <b>U2_PARALLEL_I / O</b>				
UNIVERSITY OF MAINZ		SIZE <b>C</b>	REV.	DRAWING NO.
SCALE				SHEET 1 OF 5



REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



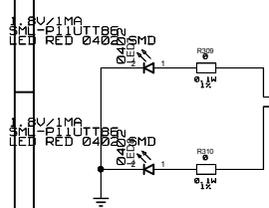
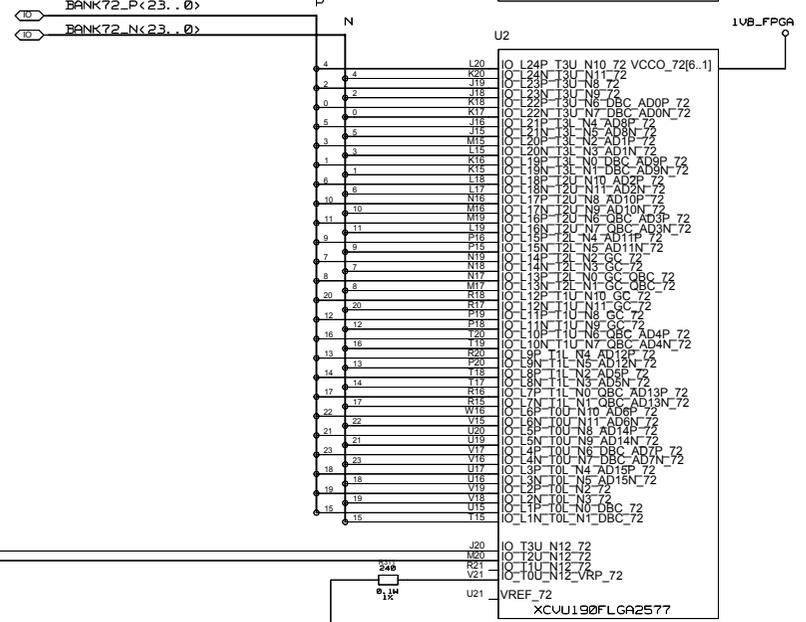
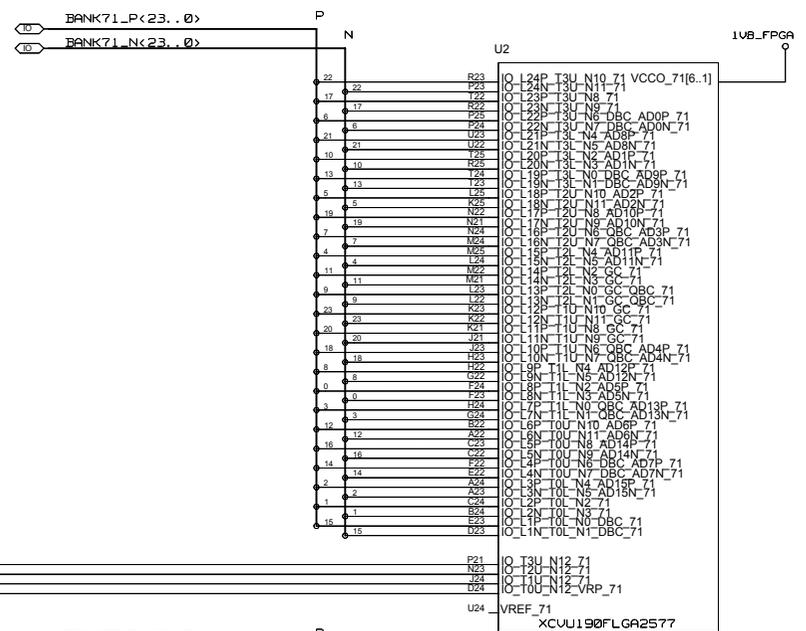
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BANK
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	S.RAVE			
	BAUSS	25.08.2015		
BLOCK TITLE				
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UNIVERSITY OF MAINZ				
SIZE	REV.	DRAWING NO.		
C				
SCALE			SHEET 3 OF 5	



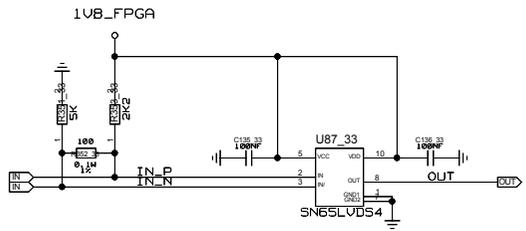
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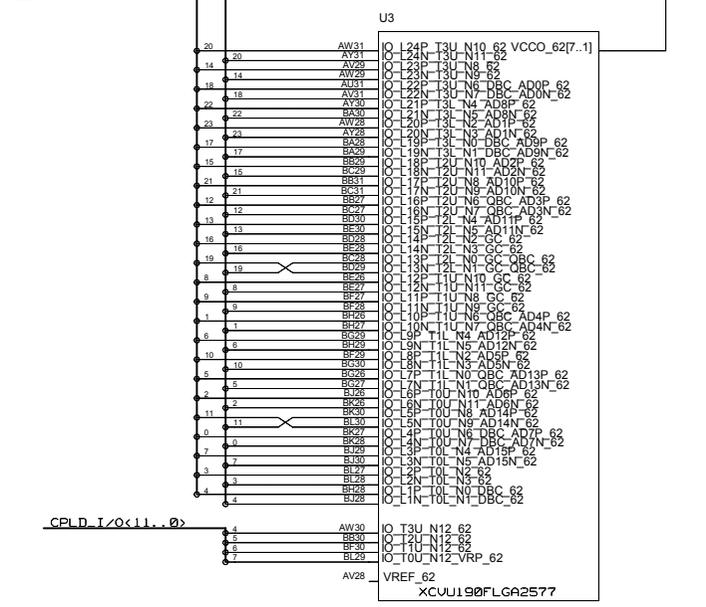
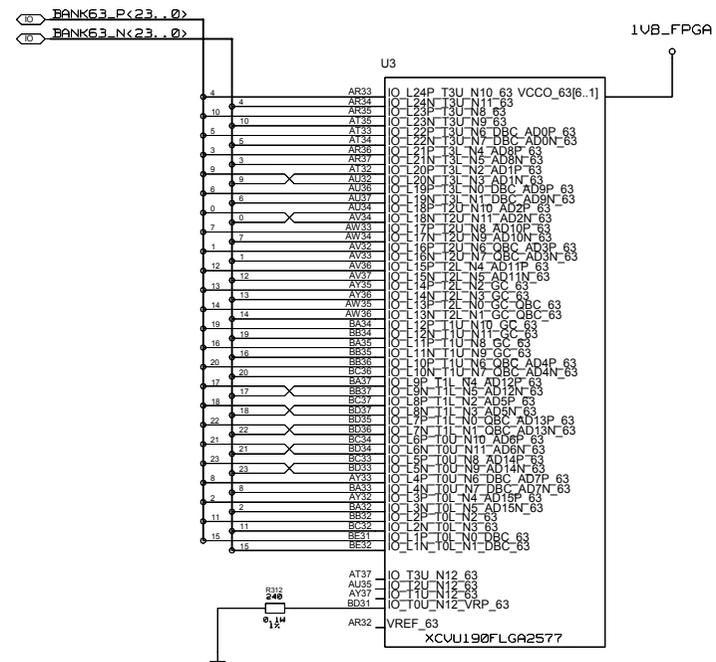
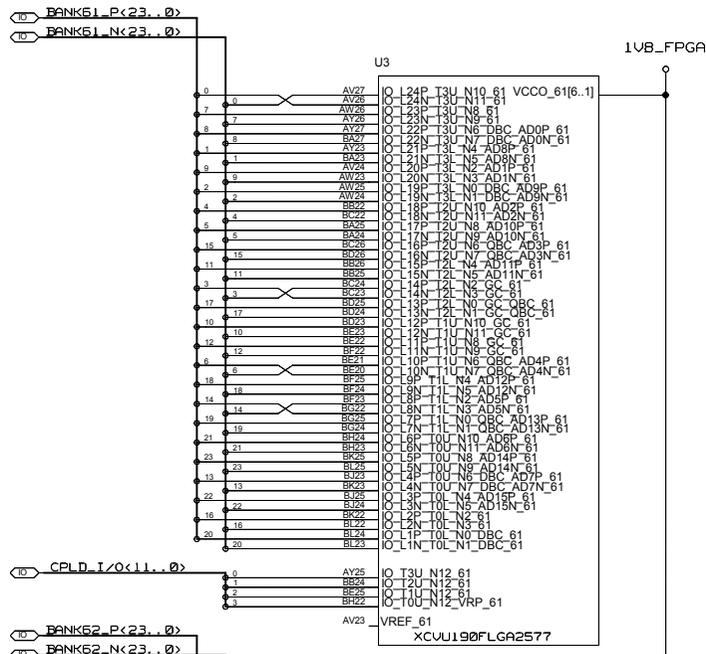
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CHECKED U.SCHAEFER			
CHECKED S.RAVE			
DRAWN BAUSS	25.08.2015		
BLOCK TITLE			
UNIVERSITY OF MAINZ			
SIZE	REV.	DRAWING NO.	
C			
SCALE			
			SHEET 5 of 5

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



CHECKED	E.ROCCO			DRAWING TITLE
CHECKED	U.SCHAEFER			
CHECKED	S.RAVE			
DRAWN	BAUSS			
BLOCK TITLE				DRAWING NO.
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UNIVERSITY OF MAINZ			SIZE <b>C</b>	REV.
SCALE			SHEET OF	

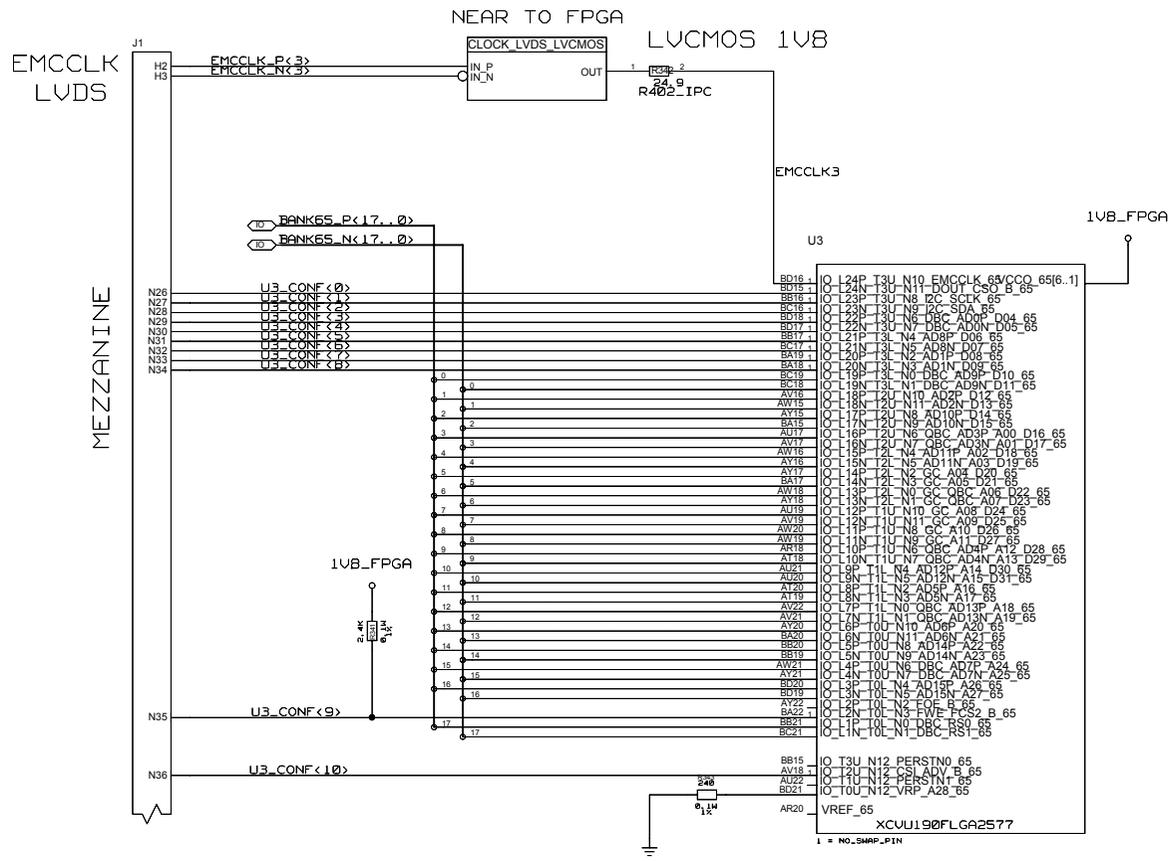
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ZONE	LTR	DESCRIPTION	DATE	APPR.



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CHECKED	S.RAVE			DRAWING NO. 
DRAWN	BAUSS	25.08.2015		
BLOCK TITLE <b>U3_PARALLEL_I/O</b>				DRAWING NO. 
UNIVERSITY OF MAINZ				
SIZE <b>C</b>	REV.	DRAWING NO.		
SCALE			SHEET 1 OF 5	

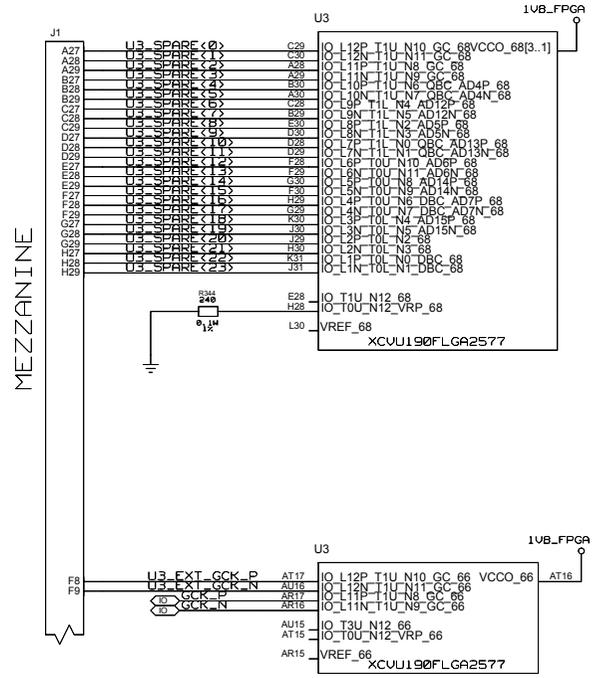
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	U.SCHAEFER			
	S.RAVE			
	BAUSS	25.08.2015		
BLOCK TITLE <b>U3_PARALLEL_I/O</b>				SIZE <b>C</b>
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SCALE				DRAWING NO.
				SHEET <b>2</b> OF <b>5</b>

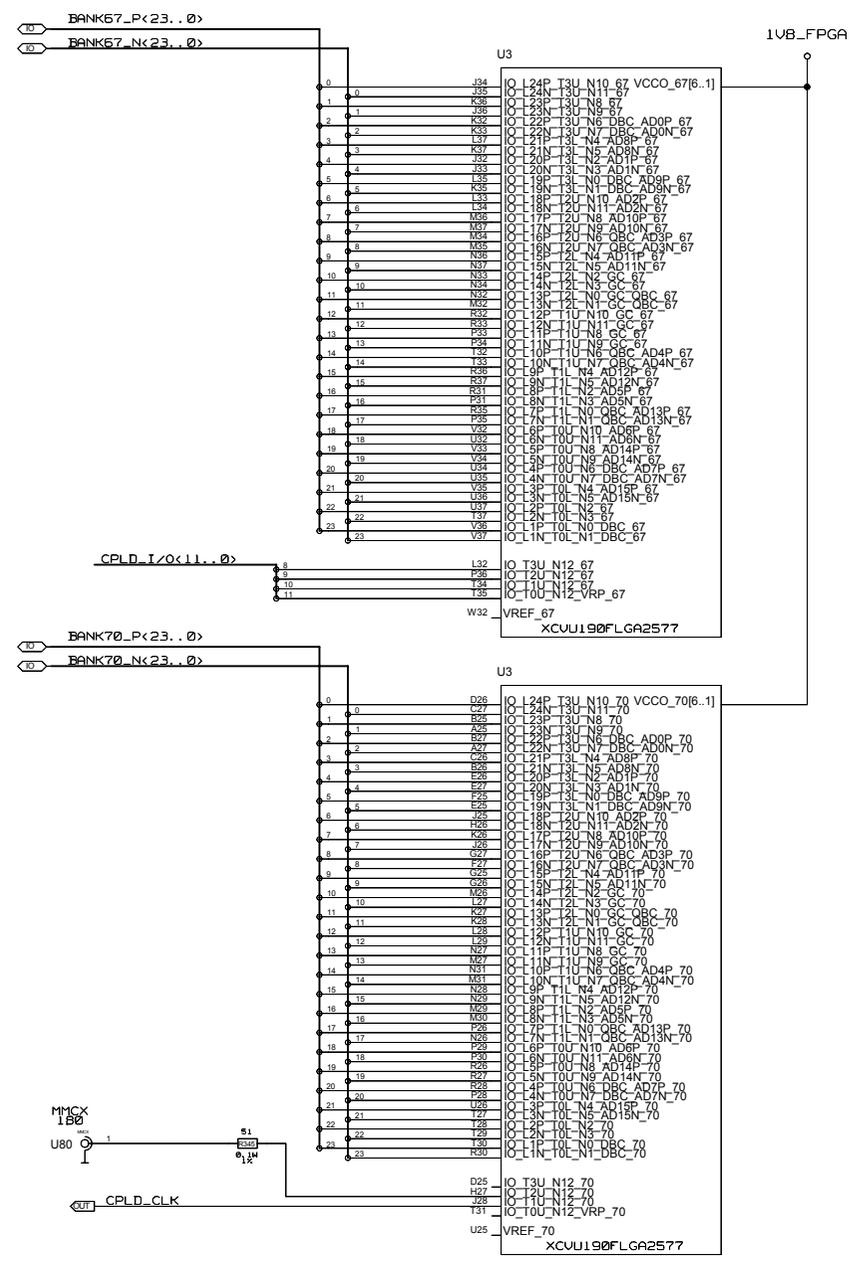
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ZONE	LTR	DESCRIPTION	DATE	APPR.



BANK  
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CHECKED	U.SCHAEFER					
CHECKED	S.RAVE					
DRAWN	BAUSS	25.08.2015				
BLOCK TITLE				SIZE	REV.	DRAWING NO.
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UNIVERSITY OF MAINZ				SCALE		SHEET 3 OF 5

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

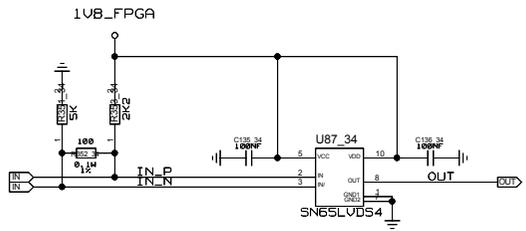


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	BAUSS	25.08.2015			
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SCALE				DRAWING NO.	
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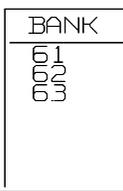
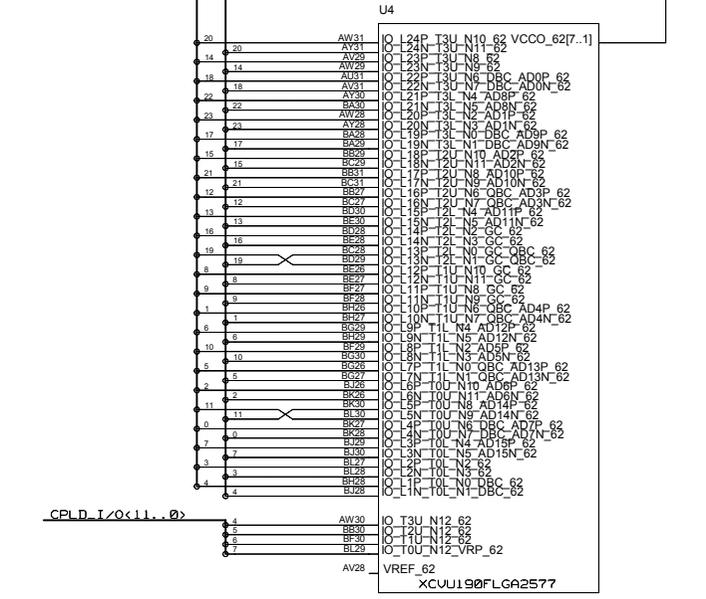
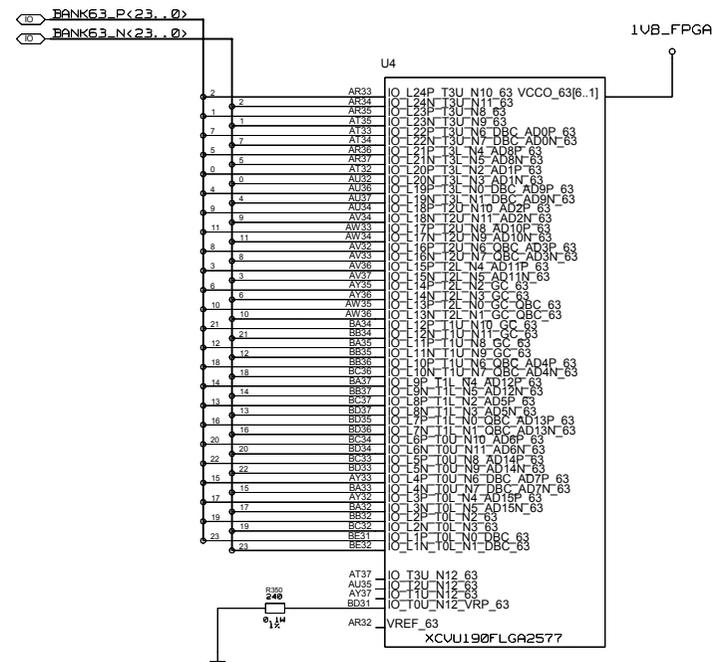
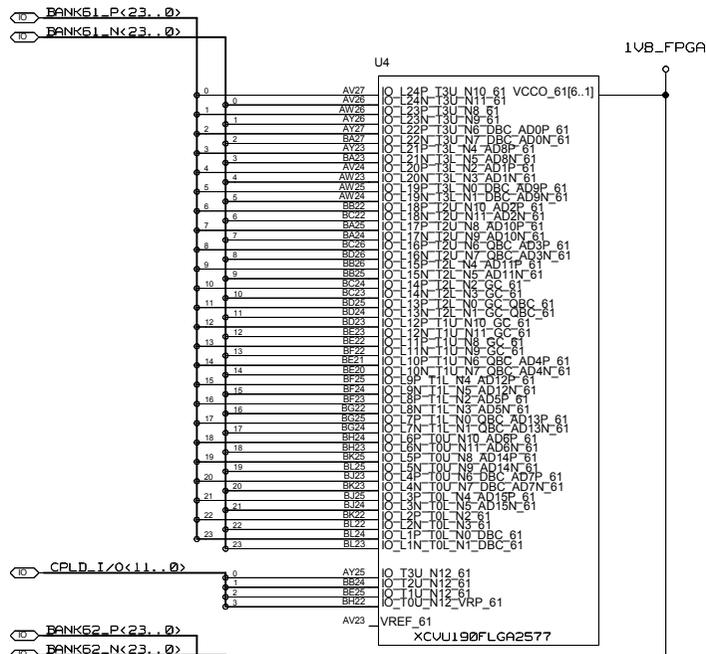


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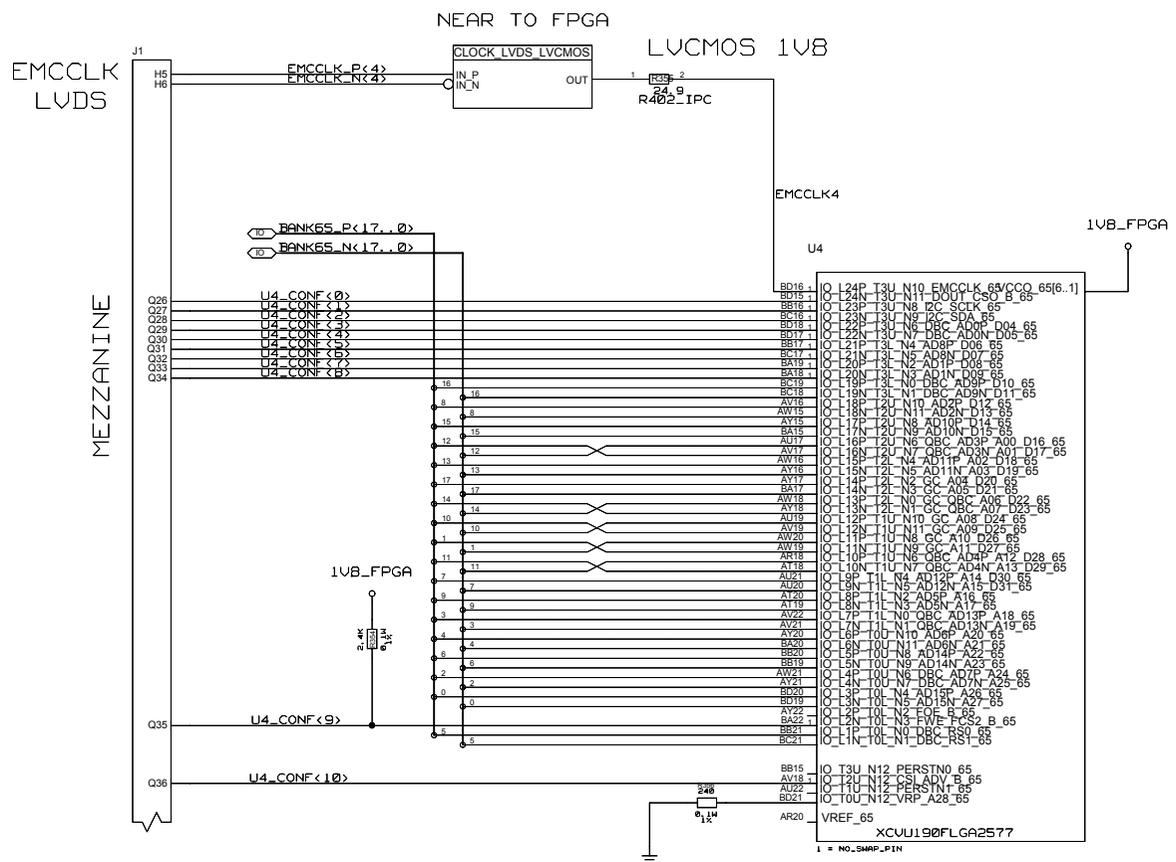
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CHECKED	S.RAVE			
DRAWN	BAUSS			
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UNIVERSITY OF MAINZ			SIZE <b>C</b>	REV.
			SCALE	DRAWING NO.
				SHEET OF

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



CHECKED	E.ROCCO	DATE	SIGN	DRAWING TITLE <b>JFEX</b>
CHECKED	U.SCHAEFER			
CHECKED	S.RAVE			
DRAWN	BAUSS	25.08.2015		
BLOCK TITLE <b>U4_PARALLEL_I / O</b>				
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SCALE				SHEET 1 OF 5

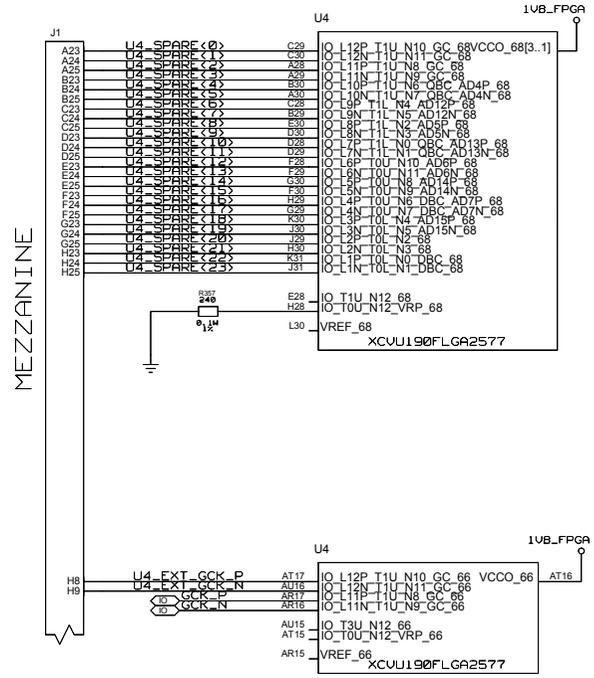
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



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65

CHECKED	NAME	DATE	SIGN	DRAWING TITLE
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CHECKED	U.SCHAEFER			
CHECKED	S.RAVE			
DRAWN	BAUSS	25.08.2015		
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SIZE				SCALE
REV.				DRAWING NO.
SCALE				SHEET 2 OF 5

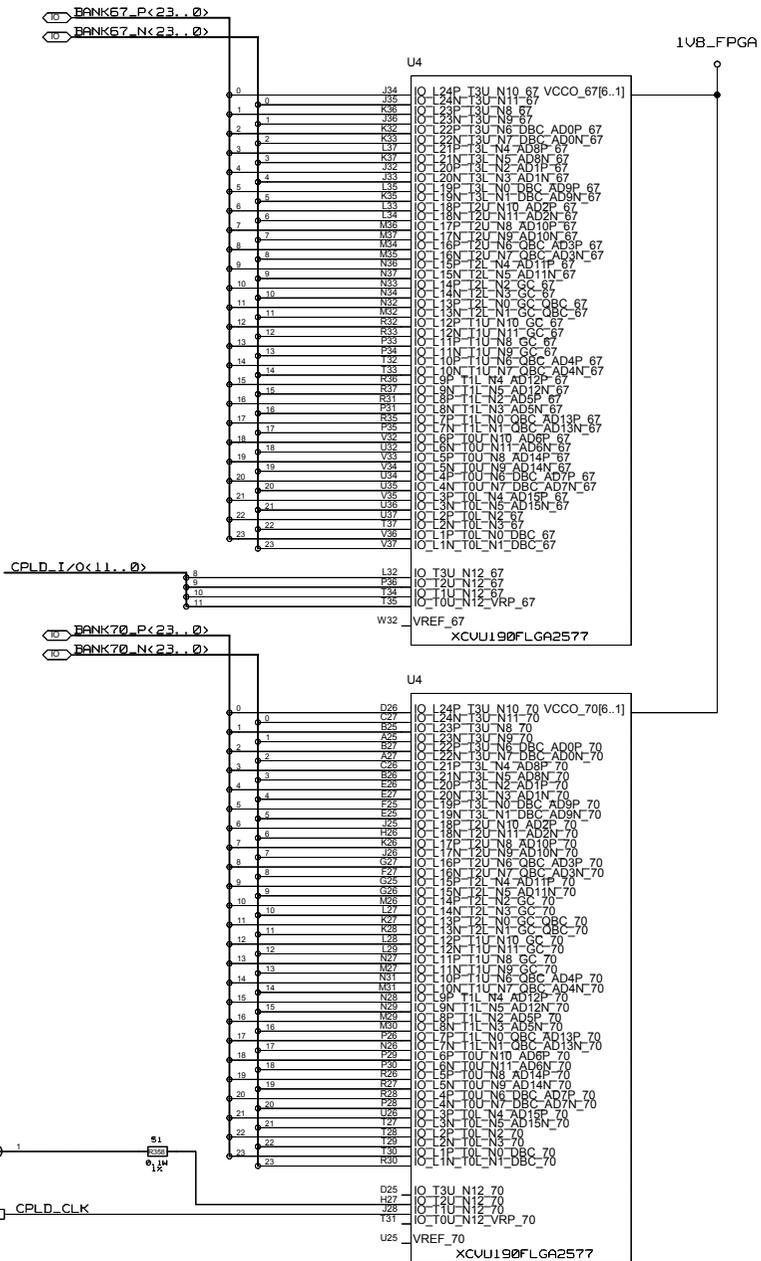
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CHECKED	NAME	DATE	SIGN	DRAWING TITLE
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	U.SCHAEFER			
	S.RAVE			
	BAUSS	25.08.2015		
BLOCK TITLE				
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UNIVERSITY OF MAINZ		SIZE	REV.	DRAWING NO.
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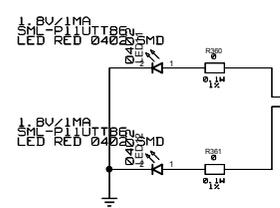
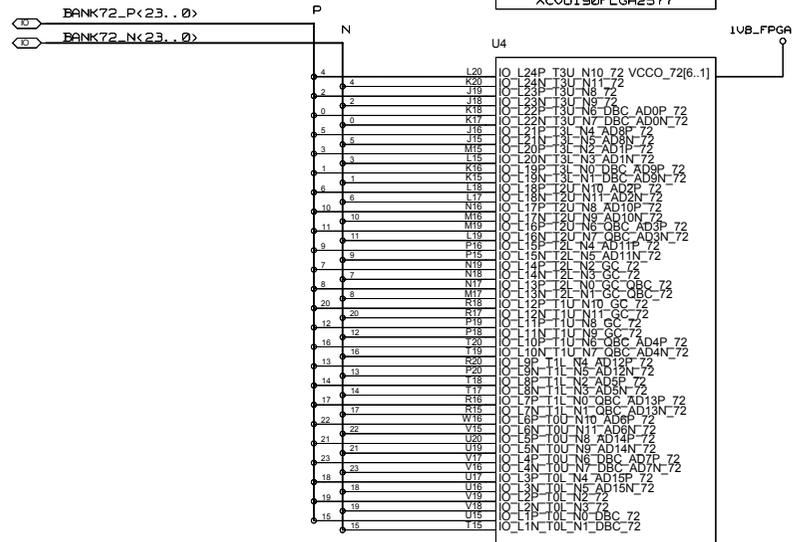
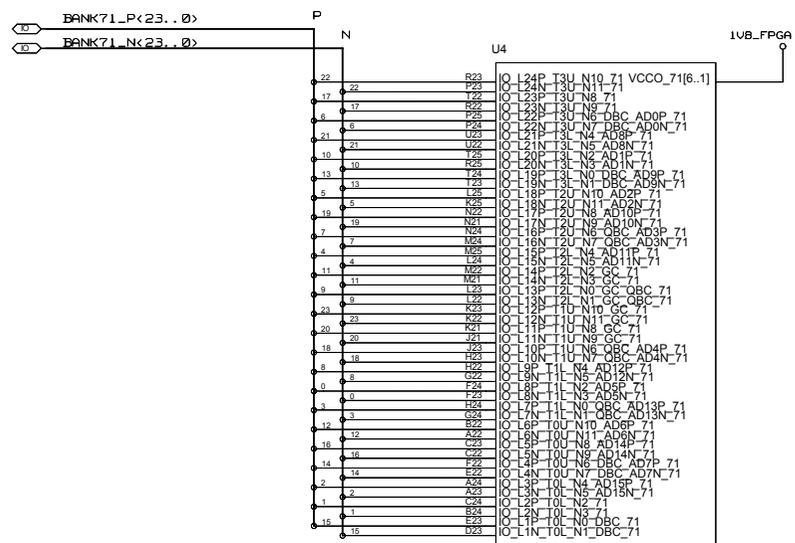
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CHECKED	S.RAVE			
DRAWN	BAUSS	25.08.2015		
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SCALE				REV.
SHEET 4 OF 5				DRAWING NO.

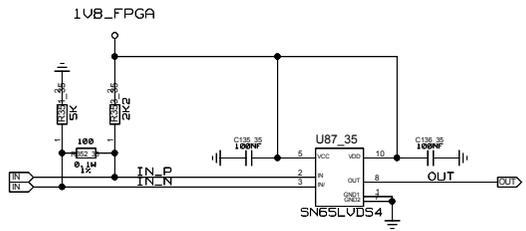
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	S.RAVE				
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UNIVERSITY OF MAINZ				SIZE	DRAWING NO.
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REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

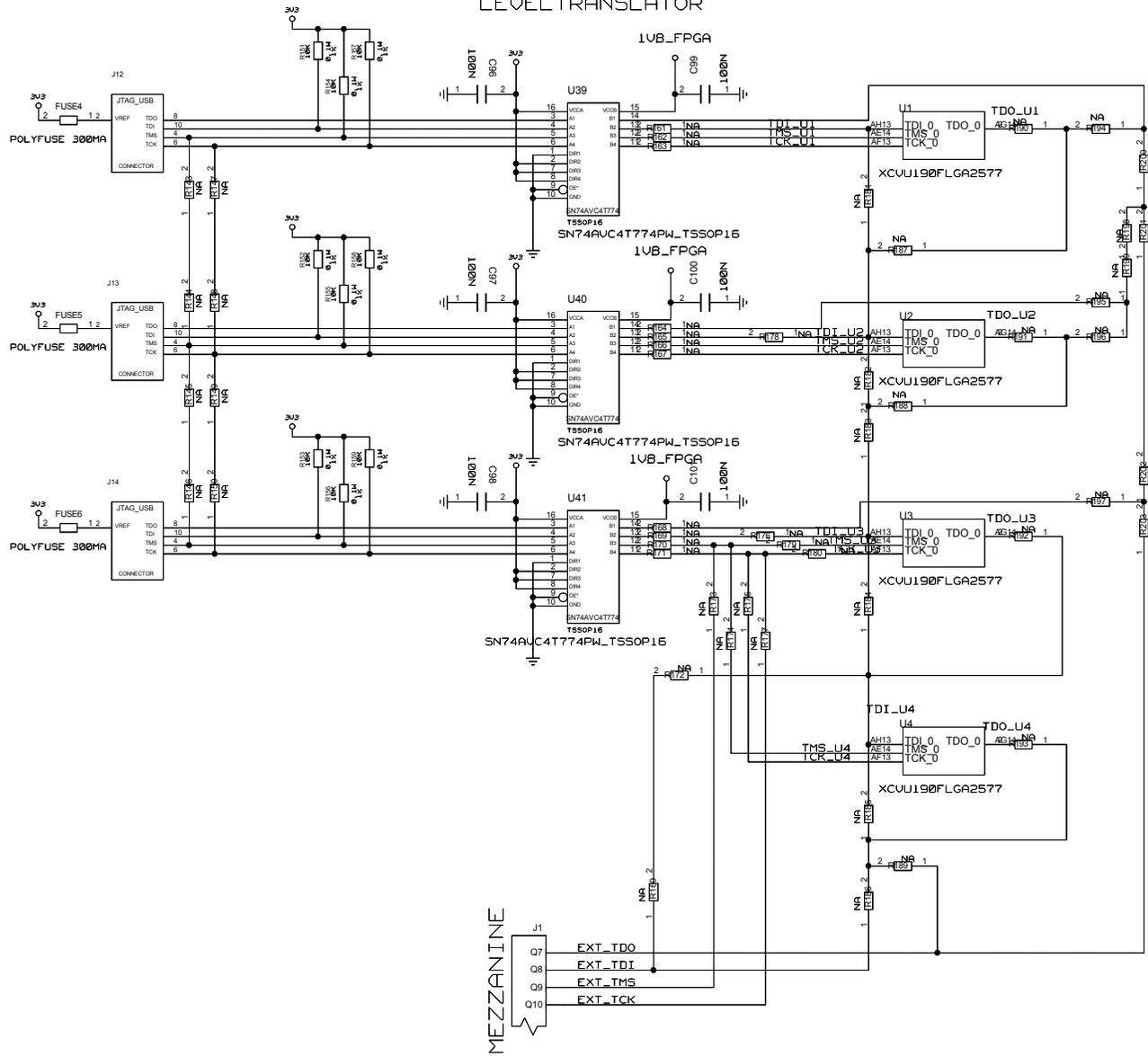


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CHECKED	U.SCHAEFER			
CHECKED	S.RAVE			
DRAWN	BAUSS			JFEX
BLOCK TITLE				
CLOCK_LVDS_LUCMOS				
UNIVERSITY OF MAINZ		SIZE	REV.	DRAWING NO.
		C		
SCALE				SHEET OF

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

CLOSE TOGETHER  
NEAR FRONTPANEL

LEVEL TRANSLATOR



CHECKED	NAME	DATE	SIGN	DRAWING TITLE
	E.ROCCO			JTAG CHAIN
	U.SCHAEFER			
	S.RAVE			
	BAUSS	15.07.2015		
BLOCK TITLE				JTAG
UNIVERSITY OF MAINZ				SIZE <b>C</b>
SCALE				REV.
				DRAWING NO.
				SHEET OF