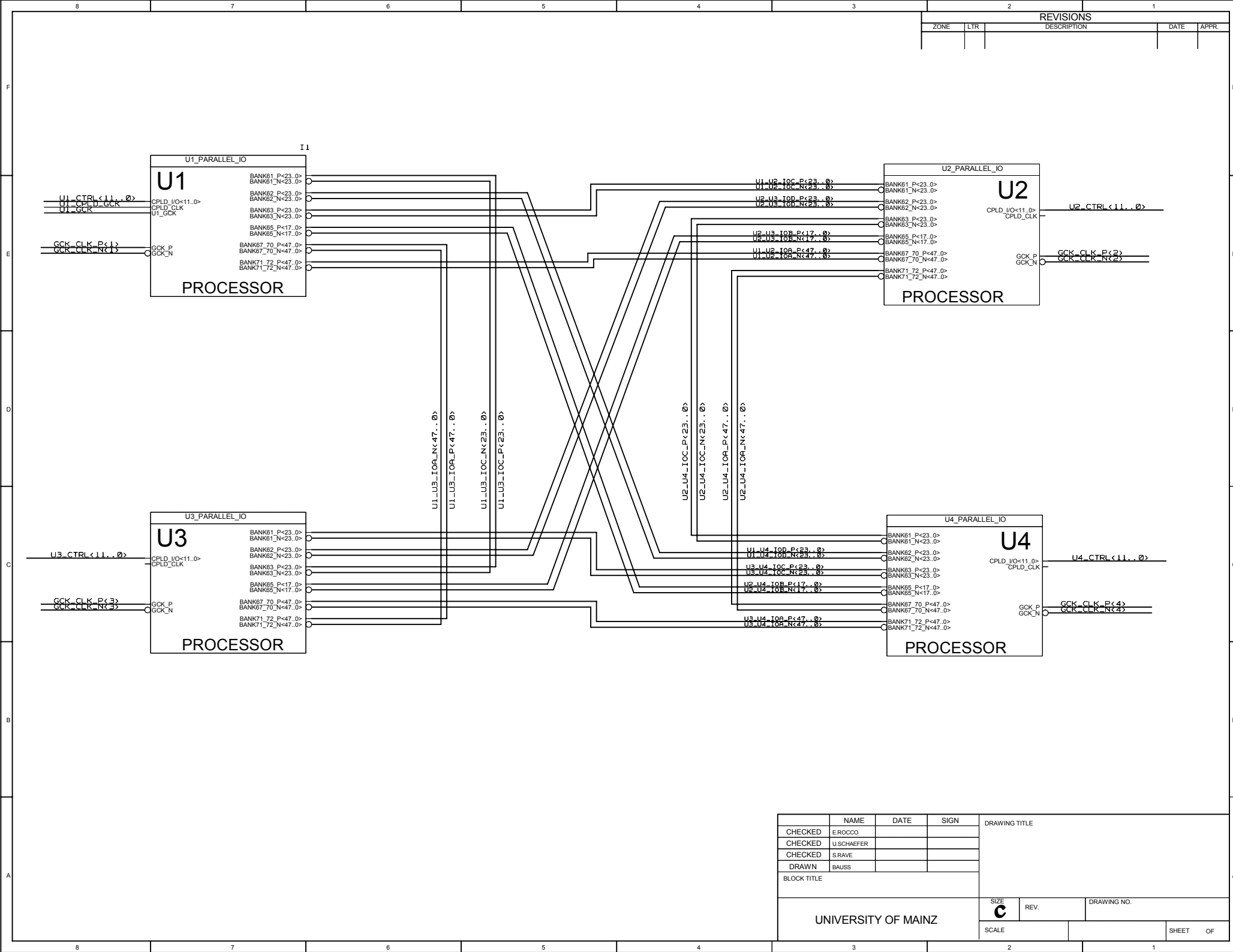
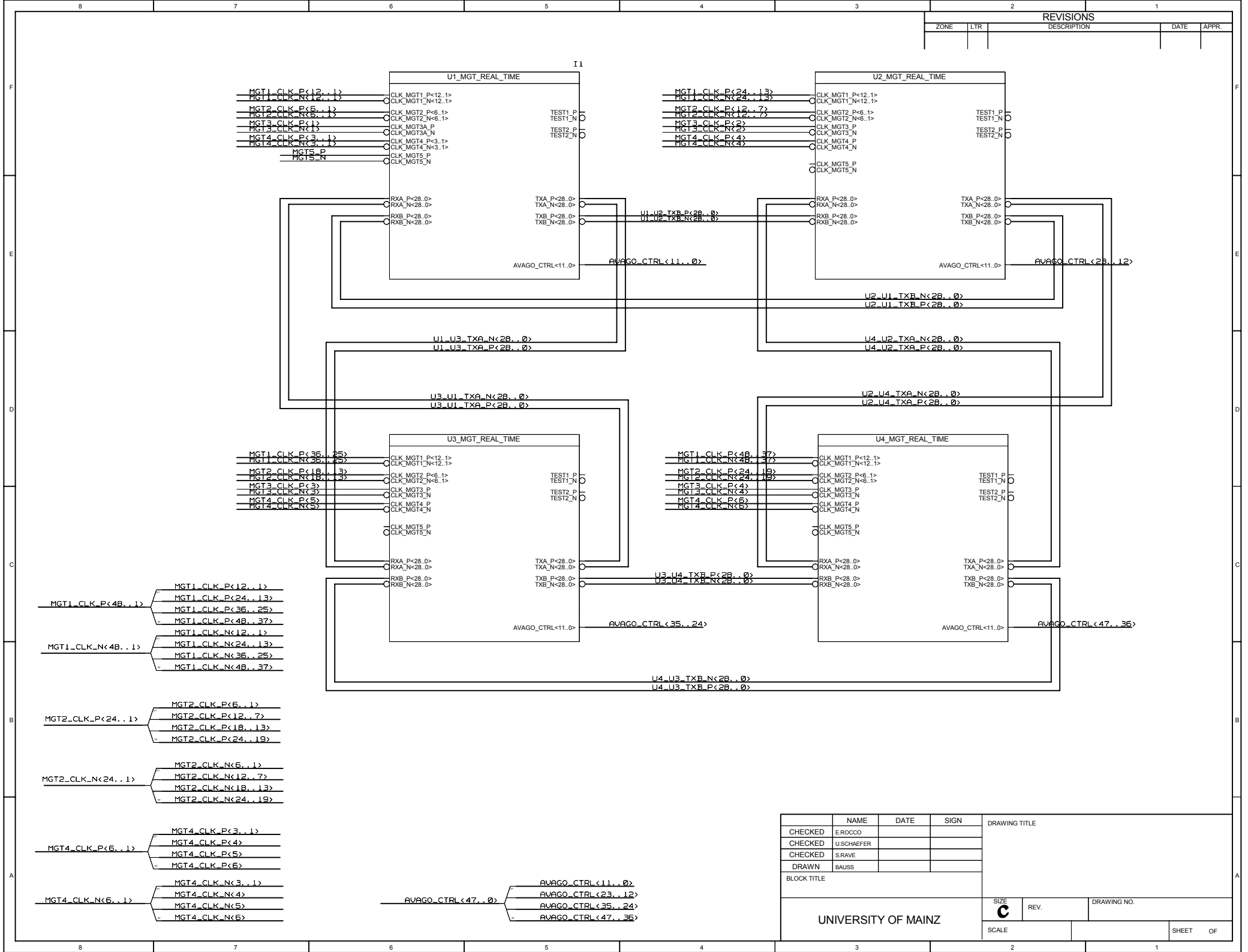
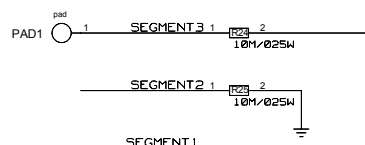
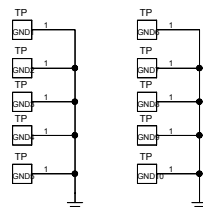
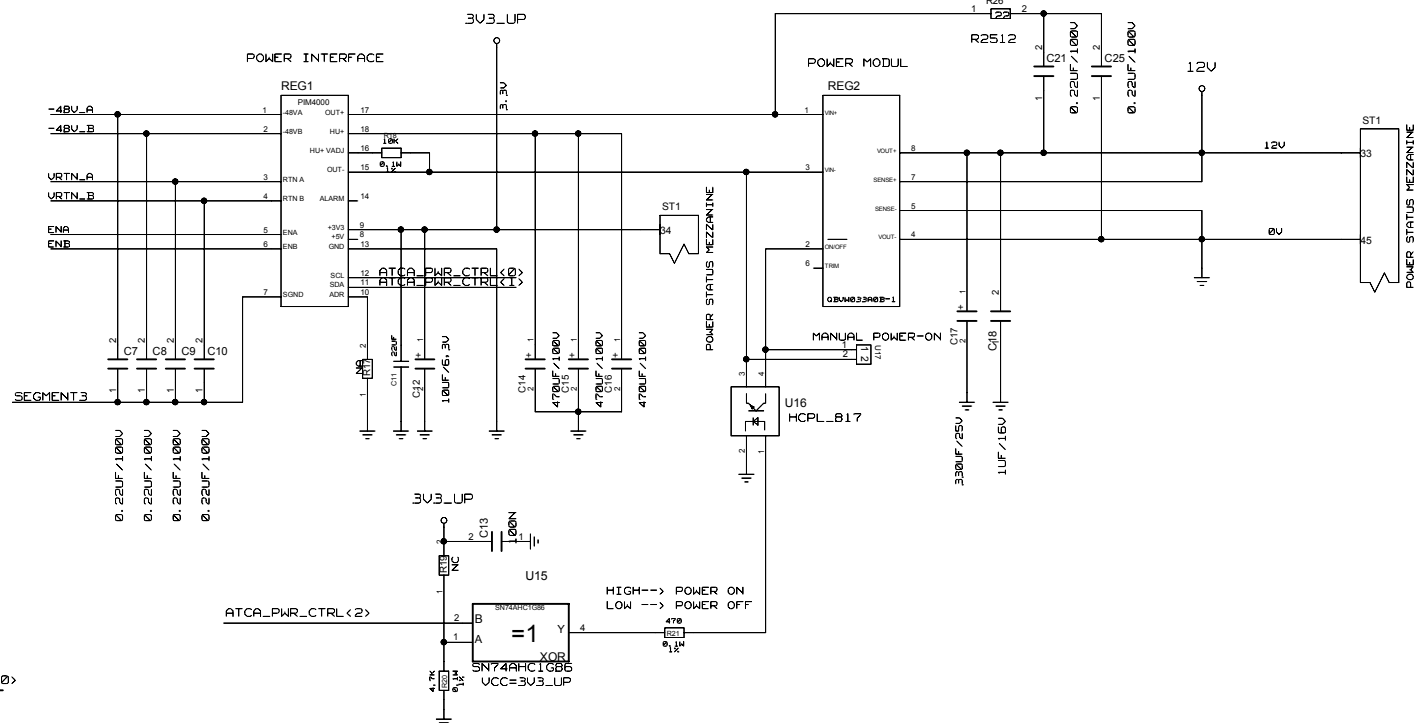


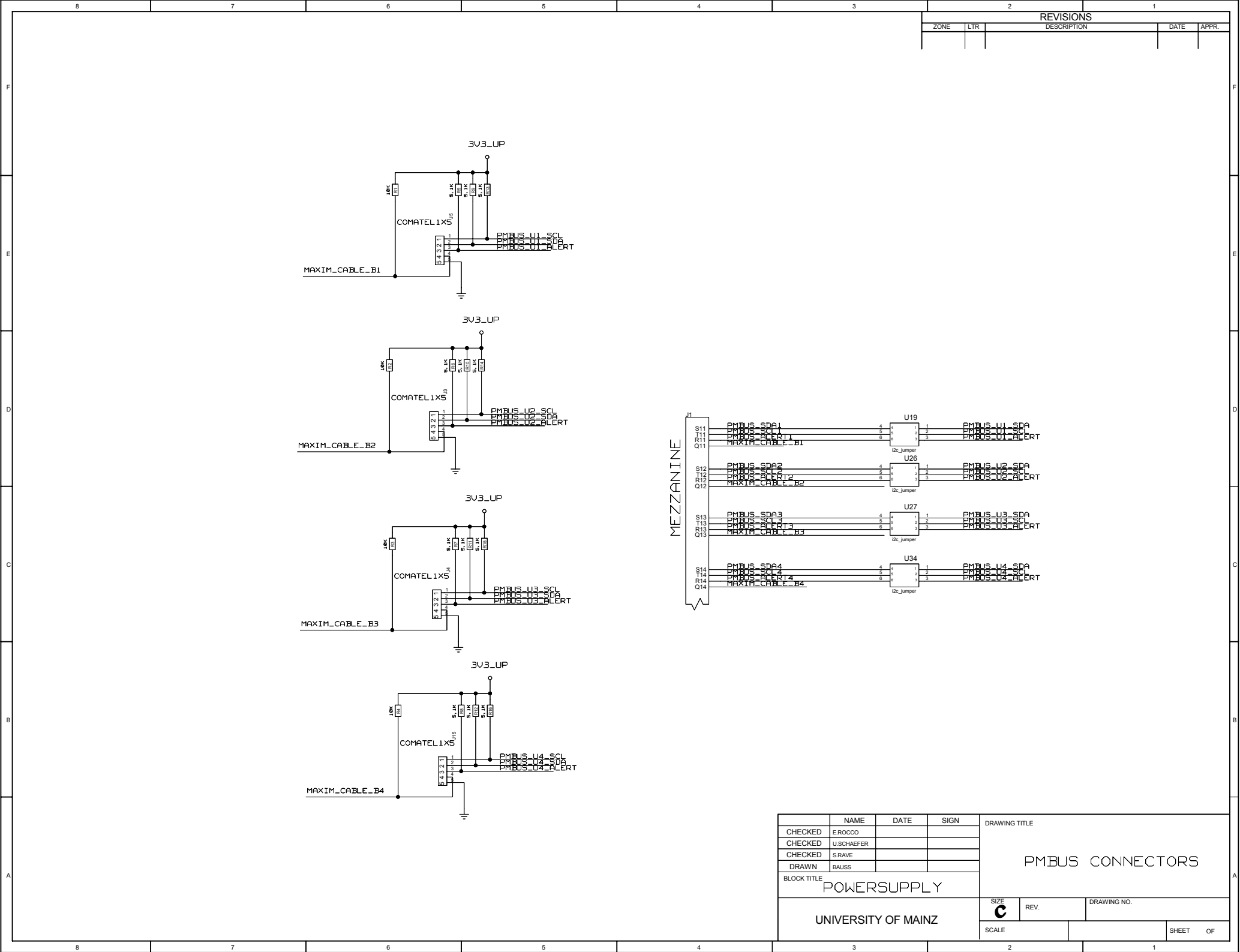


	NAME	DATE	SIGN	DRAWING TITLE	
CHECKED	E.ROCCO				
CHECKED	U.SCHAEFER				
CHECKED	S.RAVE				
DRAWN	BAUSS				
BLOCK TITLE					
UNIVERSITY OF MAINZ				SIZE	REV.
				C	
				SCALE	DRAWING NO.
				SHEET OF	





	NAME	DATE	SIGN	DRAWING TITLE	
CHECKED	E.ROCCO				
CHECKED	U.SCHAEFFER				
CHECKED	S.RAVE				
DRAWN	BAUSS	03. 11. 2015			
BLOCK TITLE				ATCA POWER_IN	
POWERSUPPLY					
UNIVERSITY OF MAINZ					
SIZE		REV.	DRAWING NO.		
SCALE				SHEET	OF

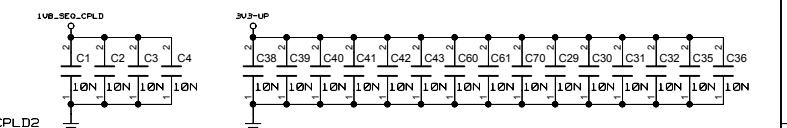
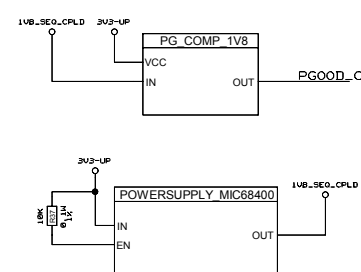
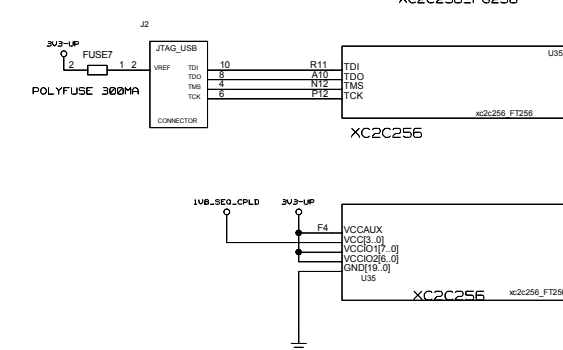
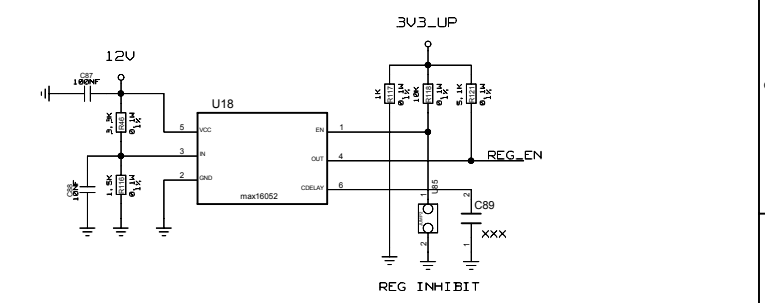
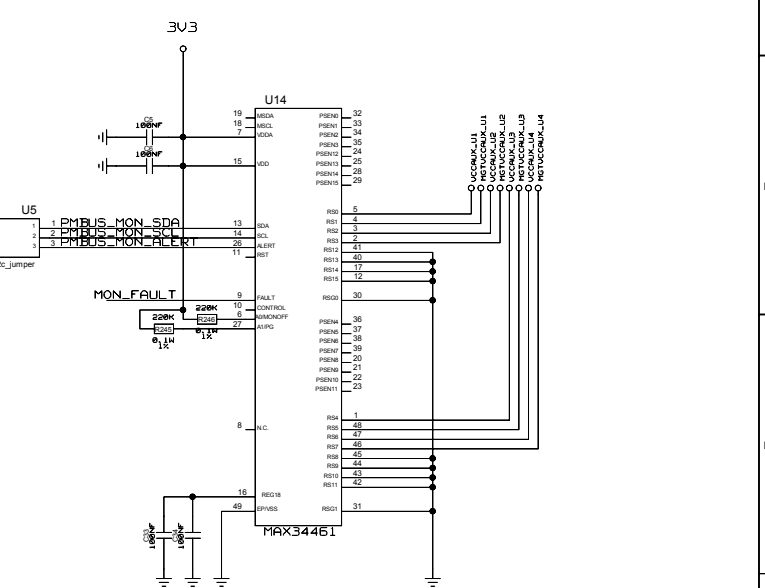
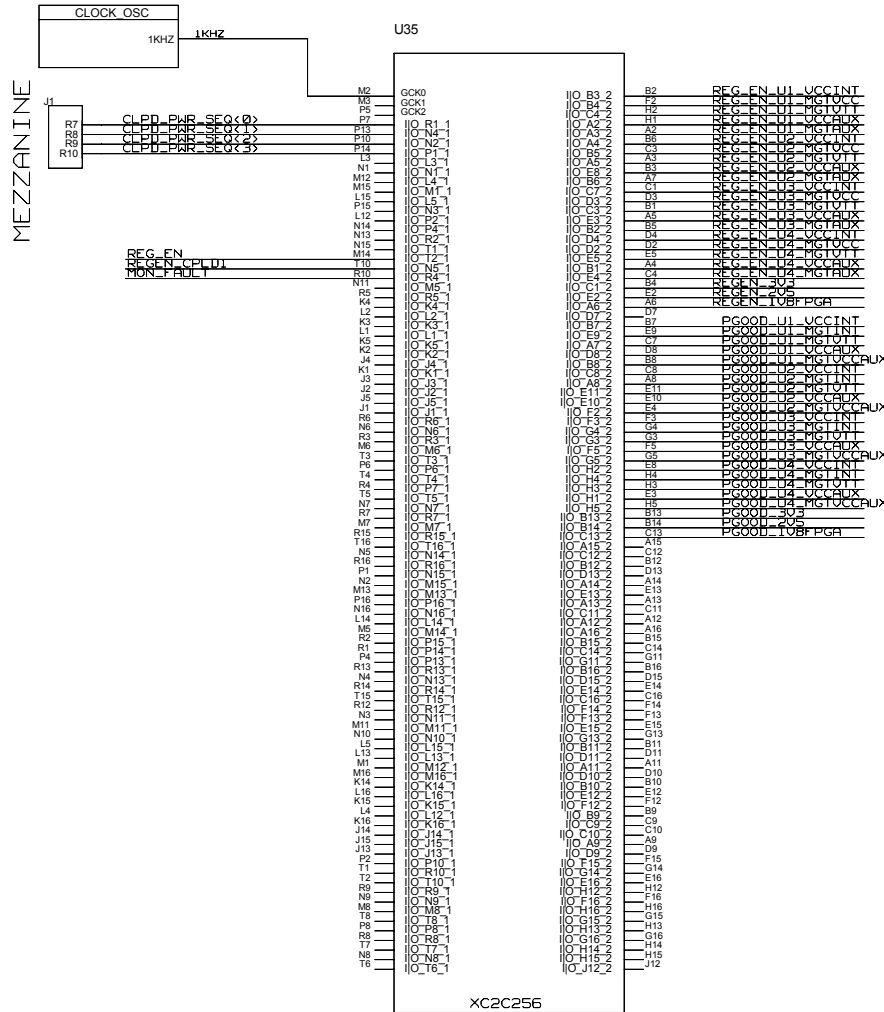


REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

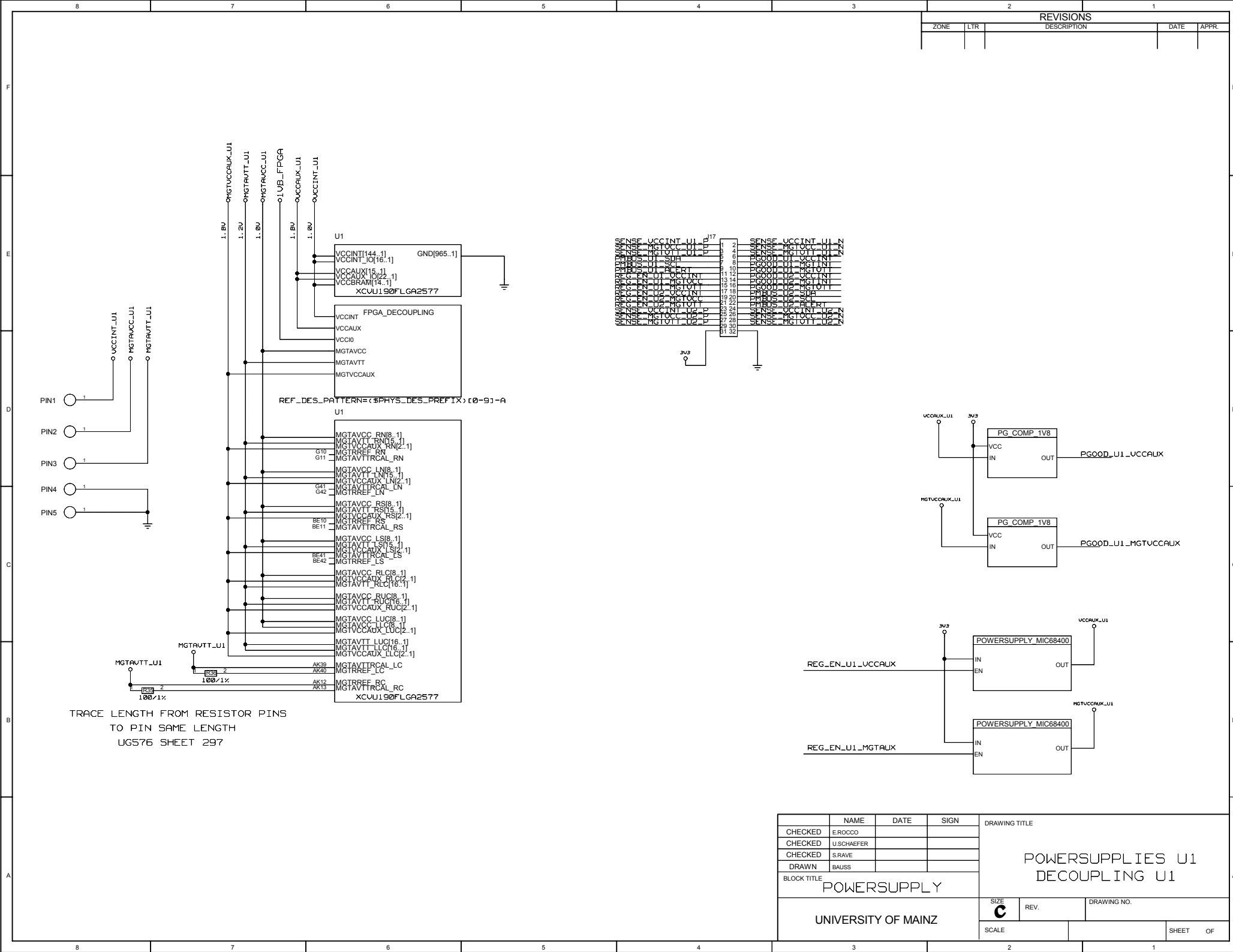
BLOCK TITLE				DRAWING TITLE	
CHECKED	E.ROCCO	DATE	SIGN	PMBUS CONNECTORS	
CHECKED	U.SCHAEFER				
CHECKED	S.RAVE				
DRAWN	BAUSS				
POWERSUPPLY				SIZE	DRAWING NO.
UNIVERSITY OF MAINZ				C	REV.
				SCALE	
					SHEET OF

CPLD2

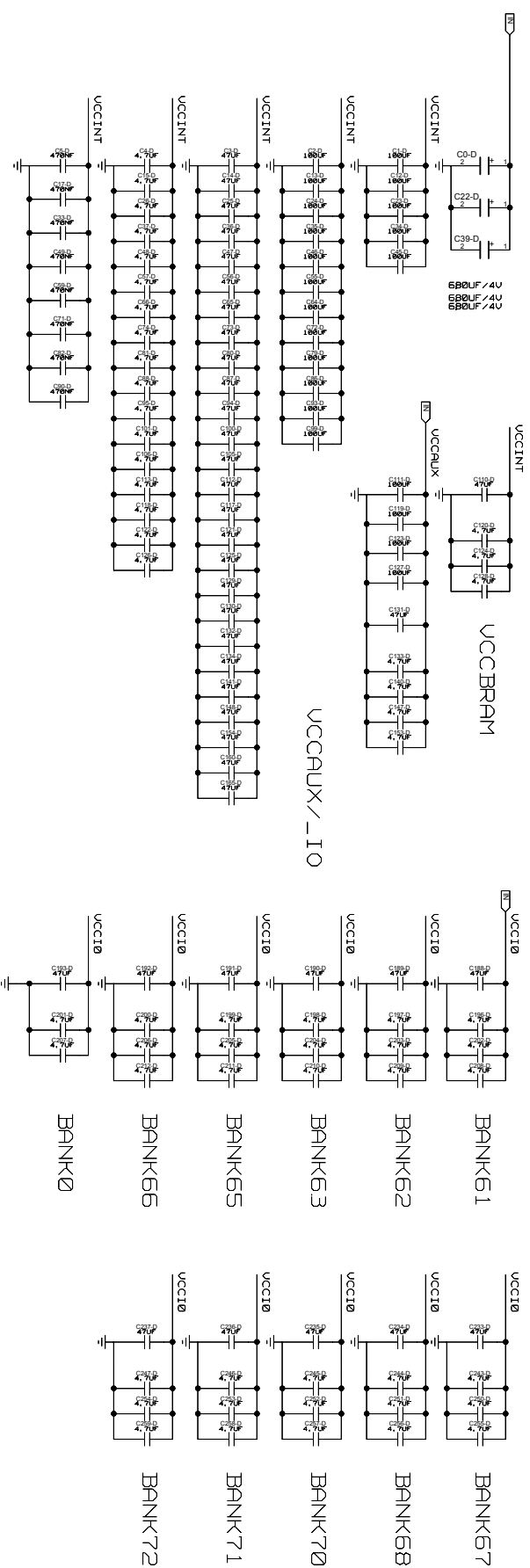
REVISIONS		DESCRIPTION	DATE	APPR.
ZONE	LTR			



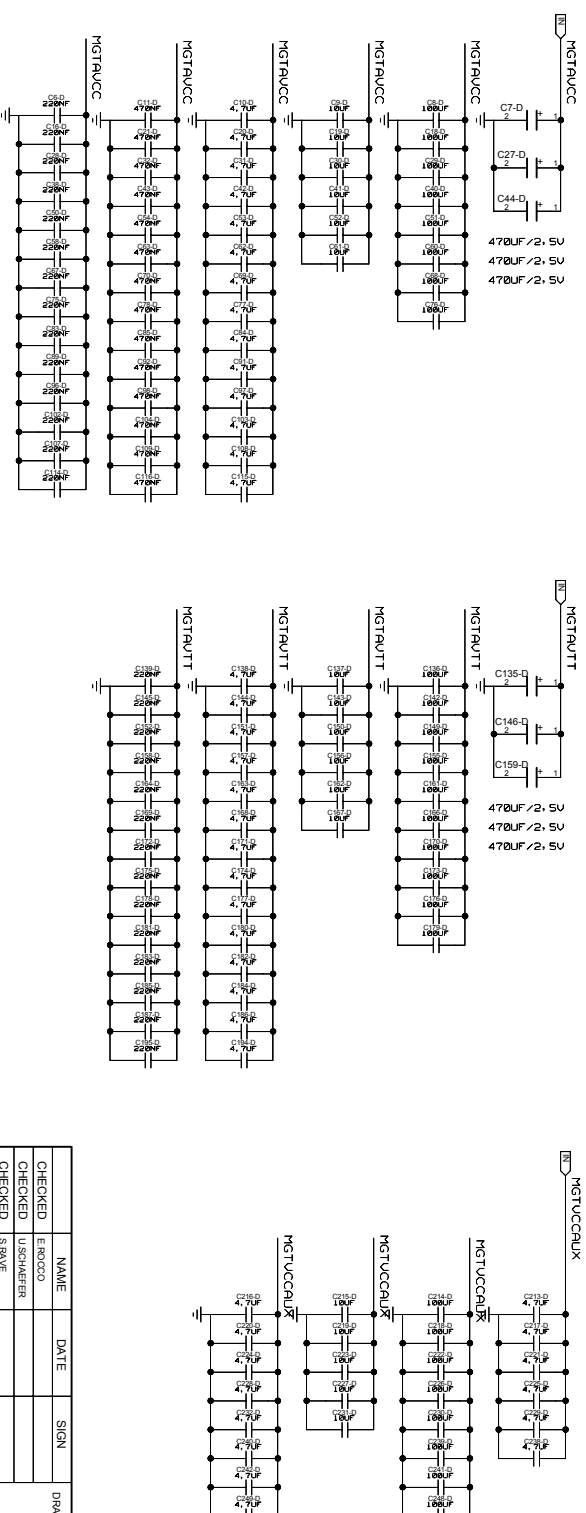
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CHECKED		E.ROCCO								
CHECKED		U.SCHAEFER								
CHECKED		S.RAVE								
DRAWN		BAUSS								
BLOCK TITLE POWERSUPPLY										
UNIVERSITY OF MAINZ					SIZE C	REV.		DRAWING NO.		
					SCALE				SHEET OF	



		NAME		DATE		SIGN		DRAWING TITLE POWERSUPPLIES U1 DECOUPLING U1					
CHECKED		E.ROCCO											
CHECKED		U.SCHAEFER											
CHECKED		S.RAVE											
DRAWN		BAUSS											
BLOCK TITLE POWERSUPPLY													
UNIVERSITY OF MAINZ								SIZE C		REV.		DRAWING NO.	
								SCALE					
												SHEET OF	



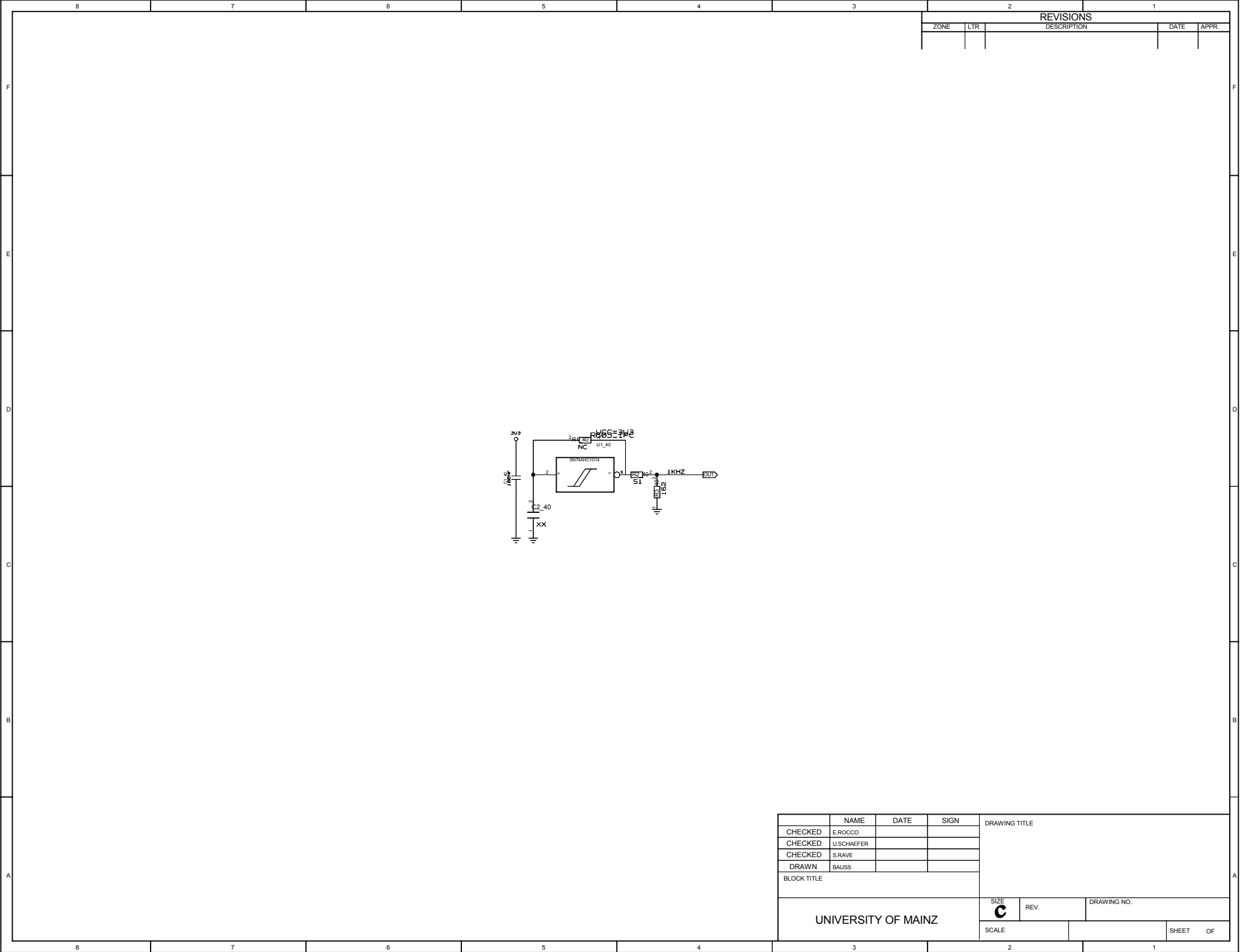
MGT DECOUPLING



	NAME	DATE	SIGN
CHECKED	E. RODO		
CHECKED	USCHAEFER		
CHECKED	S. RAWE		
DRAWN	BAUSS		

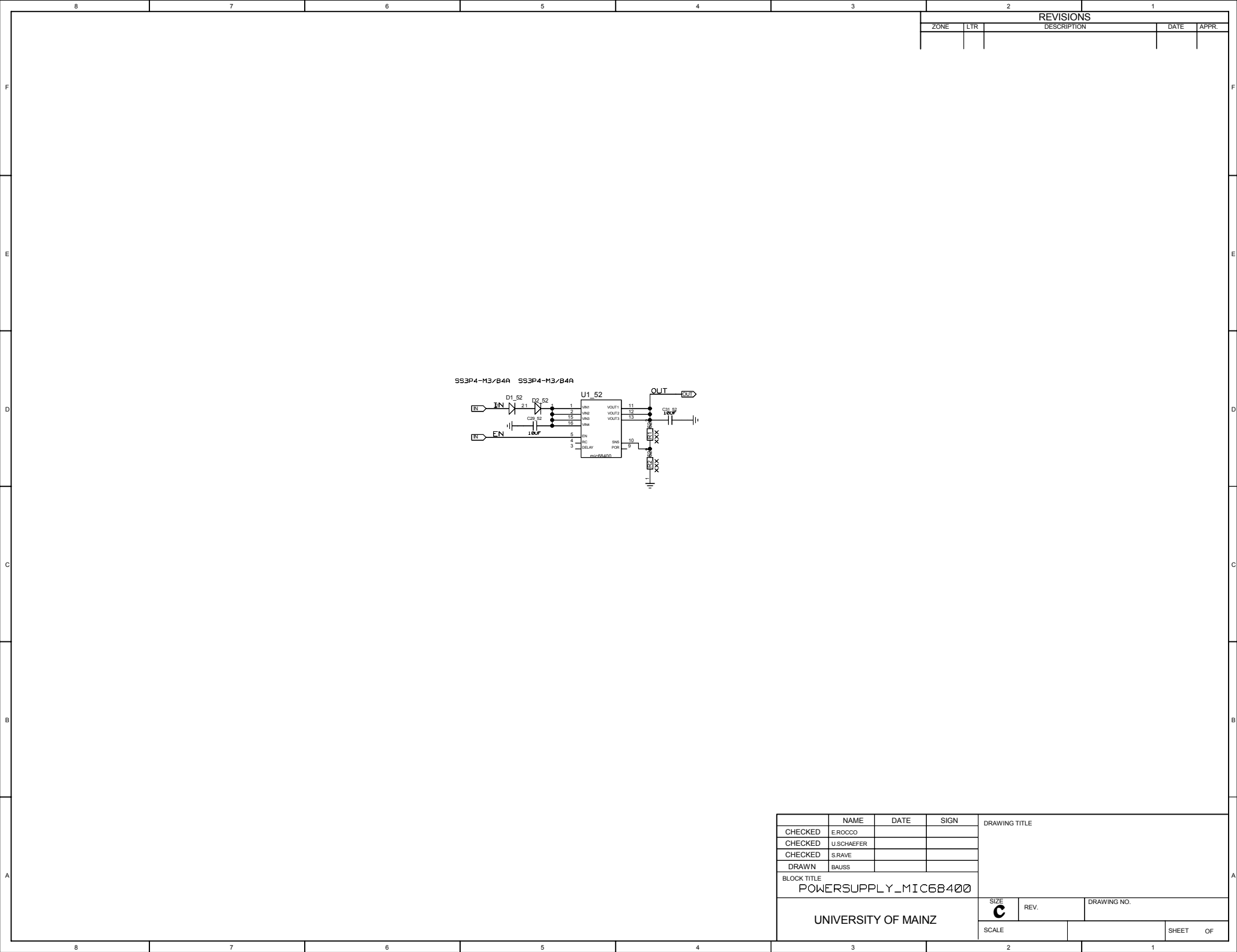
UNIVERSITY OF MAINZ

SIZE C	REV.	DRAWING NO.
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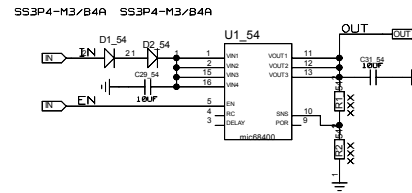
REVISIONS				
ZONE	LTR	DESCRIPTION		DATE

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

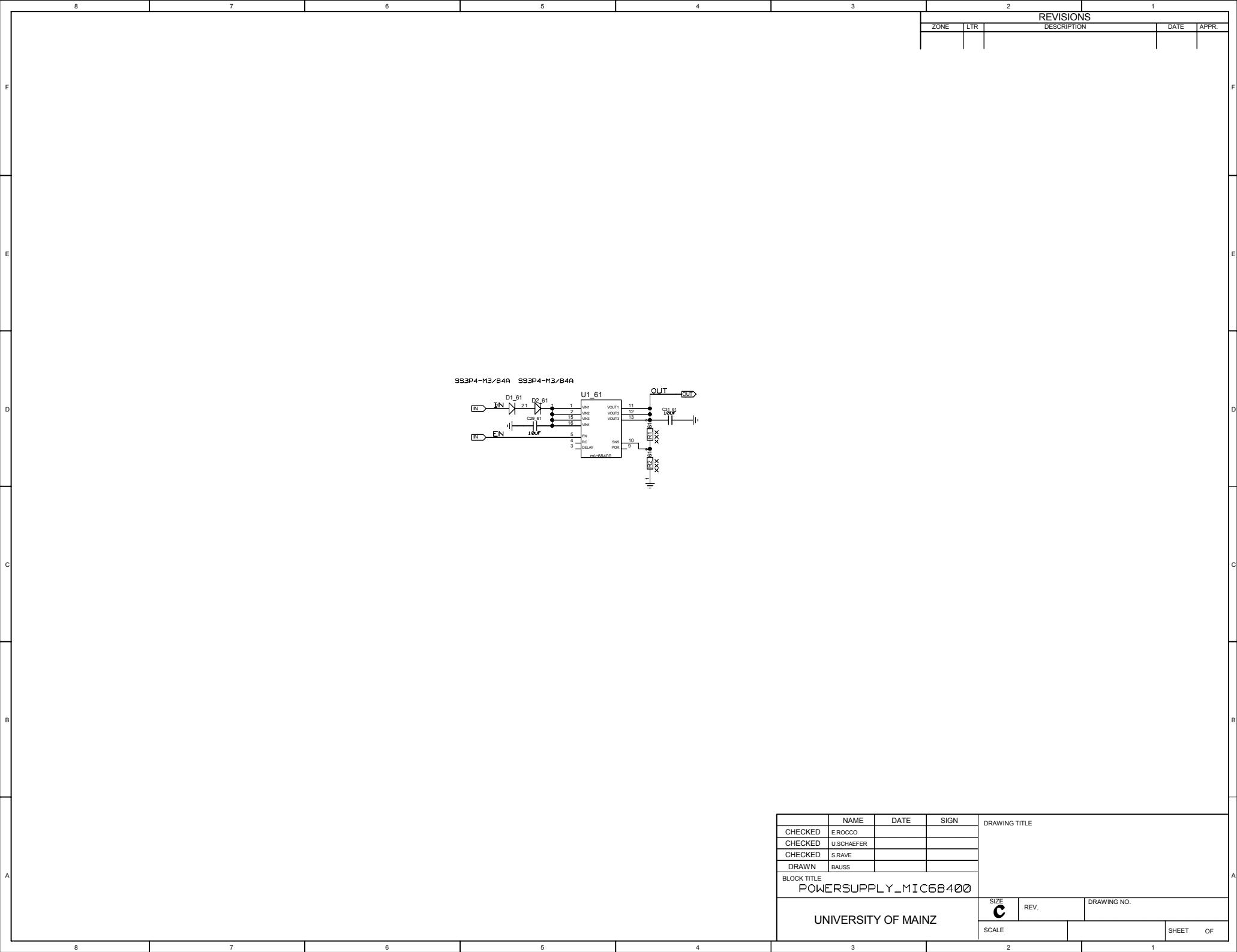


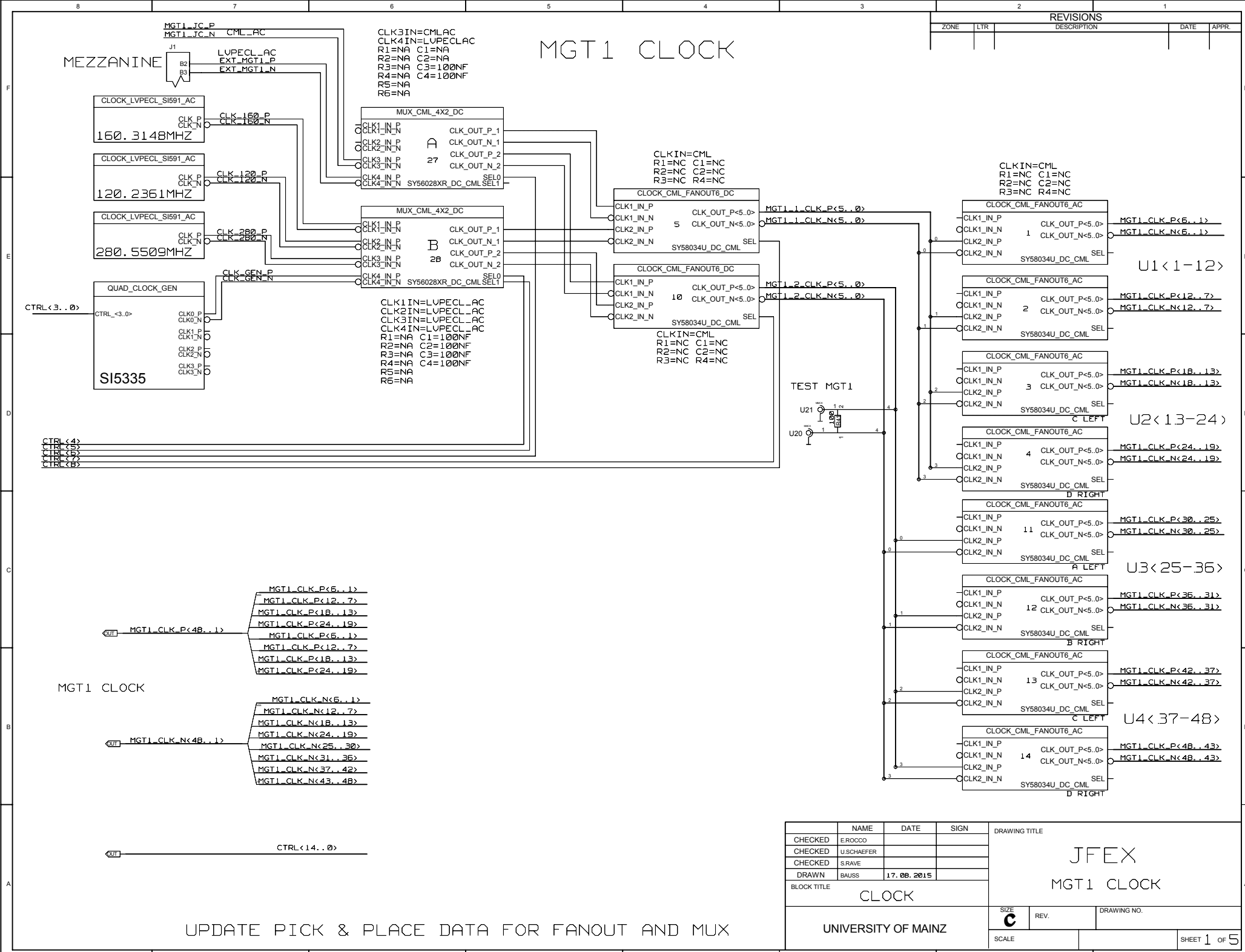
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CHECKED	E.ROCCO				
CHECKED	U.SCHAEFER				
CHECKED	S.RAVE				
DRAWN	BAUSS			BLOCK TITLE	
POWERSUPPLY_MIC68400				SIZE	REV.
UNIVERSITY OF MAINZ				C	
				SCALE	DRAWING NO.
					SHEET OF

	2		1	
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



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



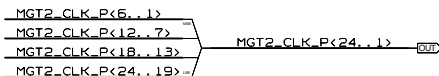
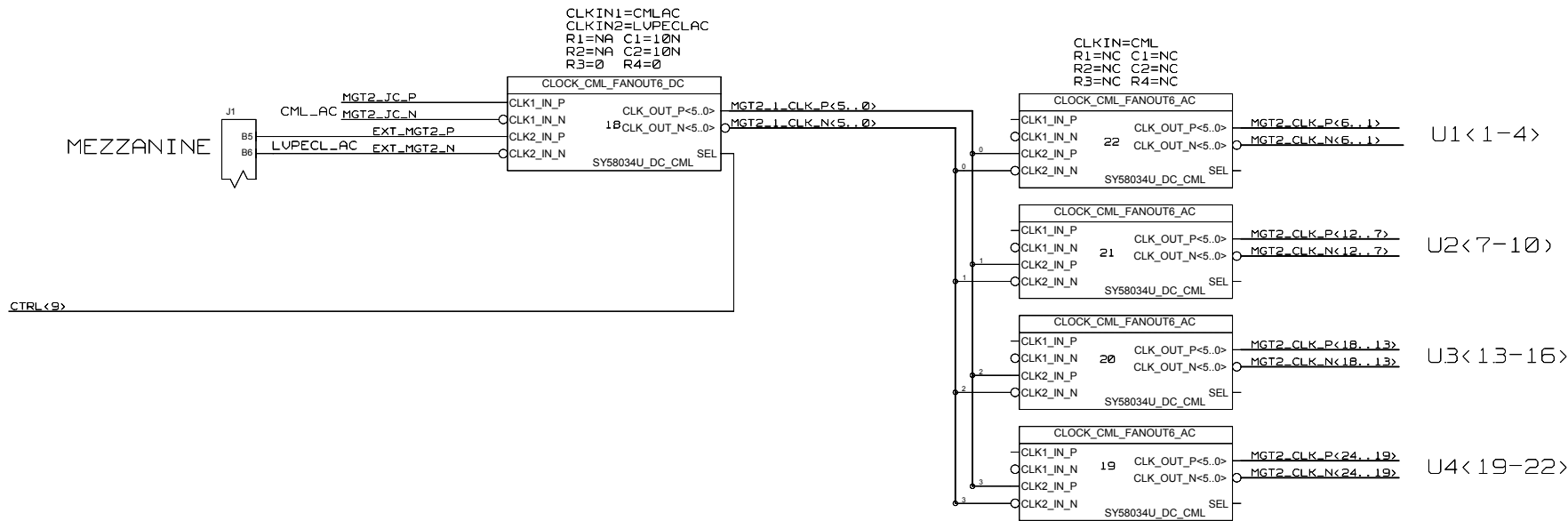


REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

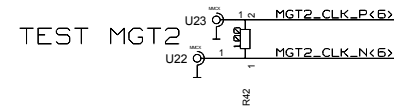
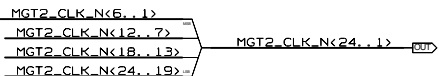
NAME				DRAWING TITLE	
CHECKED	E.ROCCO	DATE	SIGN	JFEX MGT1 CLOCK	
CHECKED	U.SCHAEFER				
CHECKED	S.RAVE				
DRAWN	BAUSS	17.08.2015			
BLOCK TITLE				CLOCK	
UNIVERSITY OF MAINZ				SIZE	DRAWING NO.
				C	REV.
				SCALE	
				SHEET 1 OF 5	

MGT2 CLOCK

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



MGT2 CLOCK

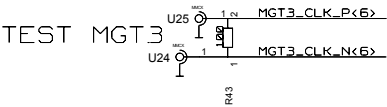
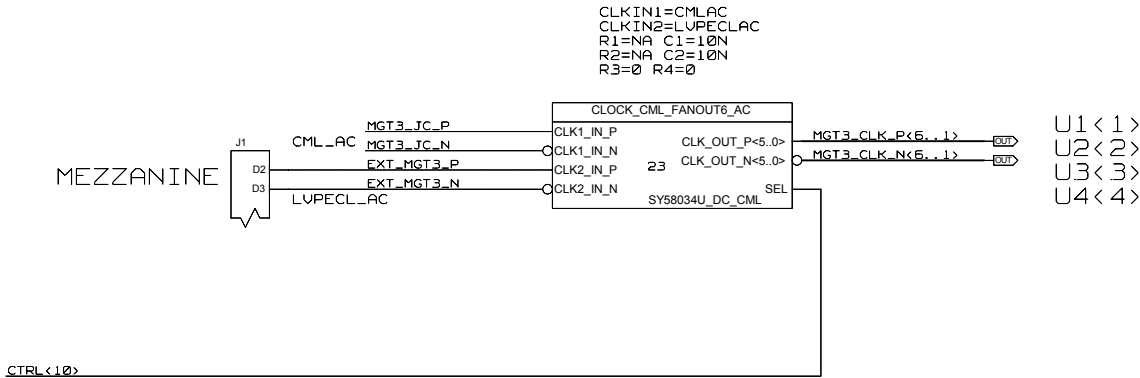


UPDATE PICK & PLACE DATA FOR FANOUT AND MUX

NAME	DATE	SIGN	DRAWING TITLE	
CHECKED E.ROCCO			JFEX MGT2 CLOCK	
CHECKED U.SCHAEFER				
CHECKED S.RAVE				
DRAWN BAUSS	17.08.2015			
BLOCK TITLE			CLOCK	
UNIVERSITY OF MAINZ			SIZE C	REV.
			SCALE	DRAWING NO.
				SHEET 2 OF 5

MGT3 CLOCK

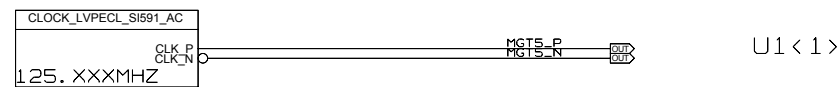
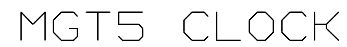
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



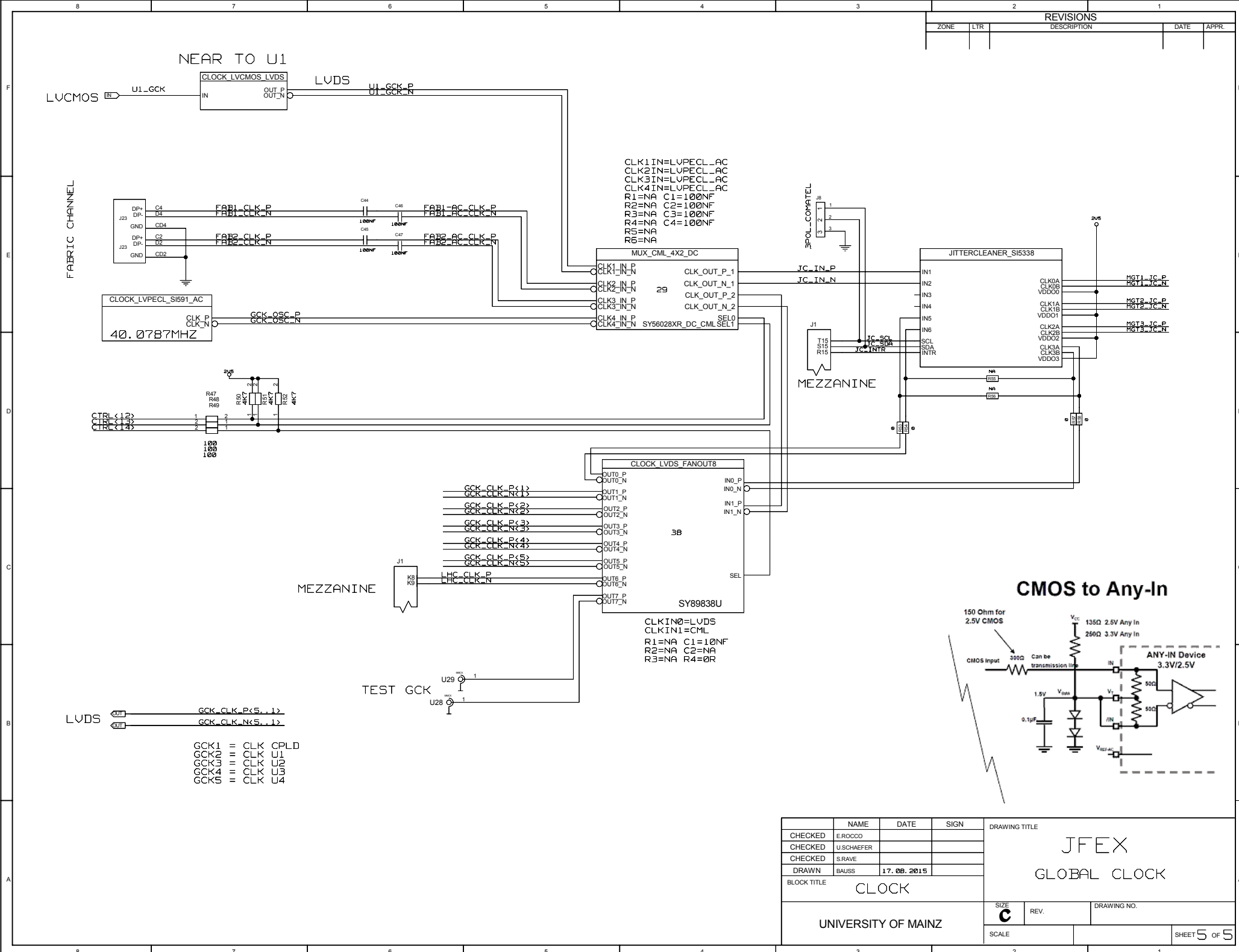
UPDATE PICK & PLACE DATA FOR FANOUT AND MUX

CHECKED	NAME	DATE	SIGN	DRAWING TITLE	
CHECKED	E.ROCCO			JFEX MGT3 CLOCK	
CHECKED	U.SCHAEFER				
CHECKED	S.RAVE				
DRAWN	BAUSS	17.08.2015		BLOCK TITLE	
CLOCK				DRAWING NO.	
UNIVERSITY OF MAINZ				SIZE C	REV.
				SCALE	SHEET 3 OF 5

		2		1	
REVISIONS					
ZONE	LTR	DESCRIPTION		DATE	APPR.

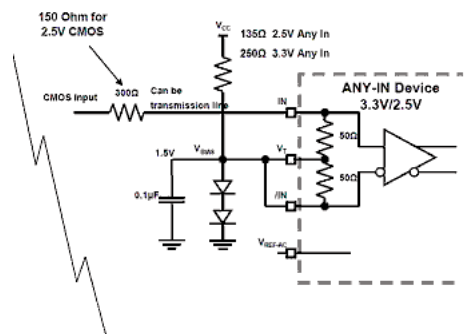


	NAME	DATE	SIGN	DRAWING TITLE JFEX MGT4 CLOCK			
CHECKED	E.ROCCO						
CHECKED	U.SCHAEFER						
CHECKED	S.RAVE						
DRAWN	BAUSS	17.08.2015					
BLOCK TITLE CLOCK							
UNIVERSITY OF MAINZ				SIZE C	REV.	DRAWING NO.	
				SCALE			SHEET 4 OF 5

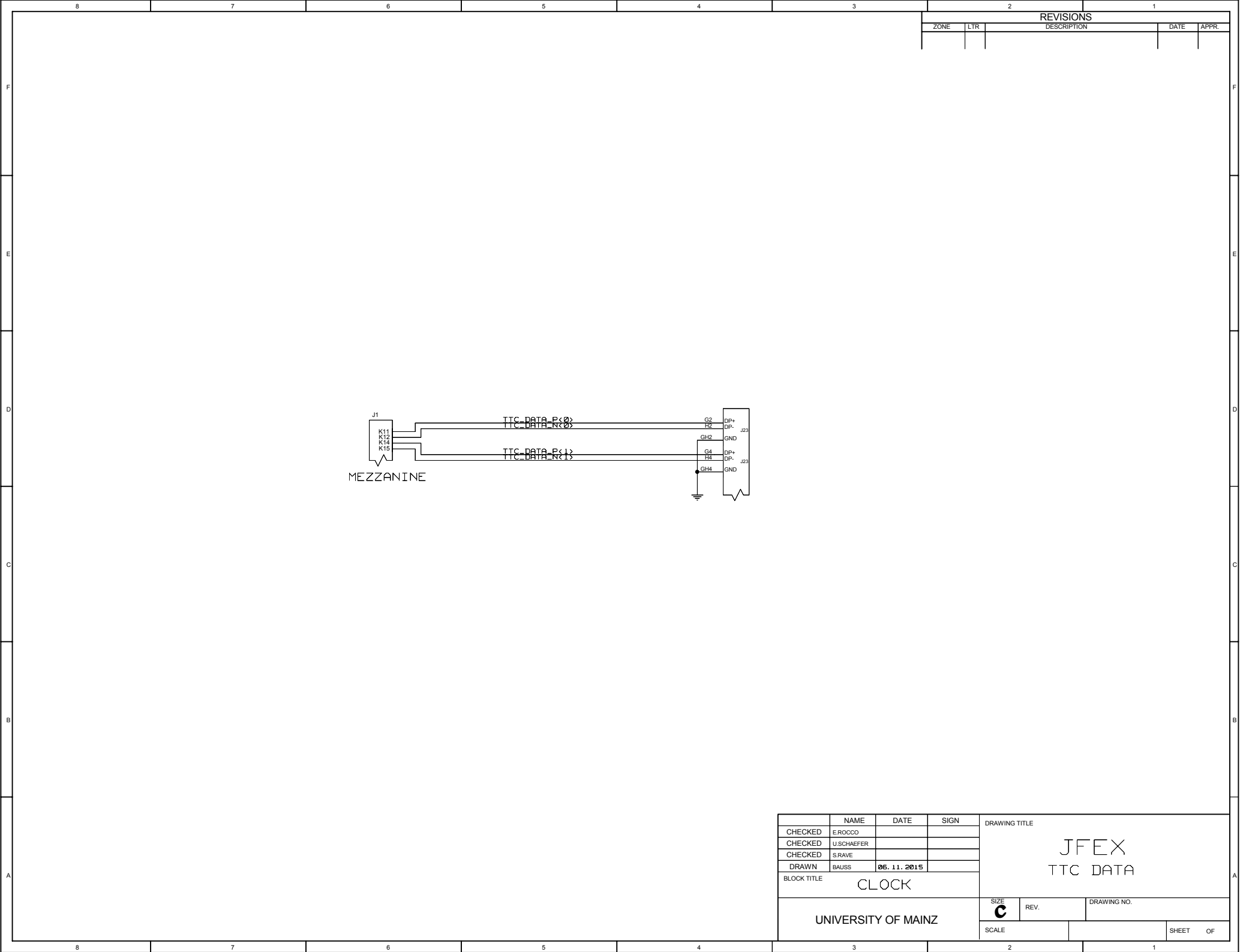


REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

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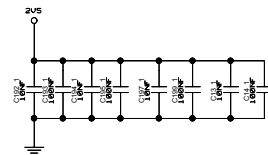
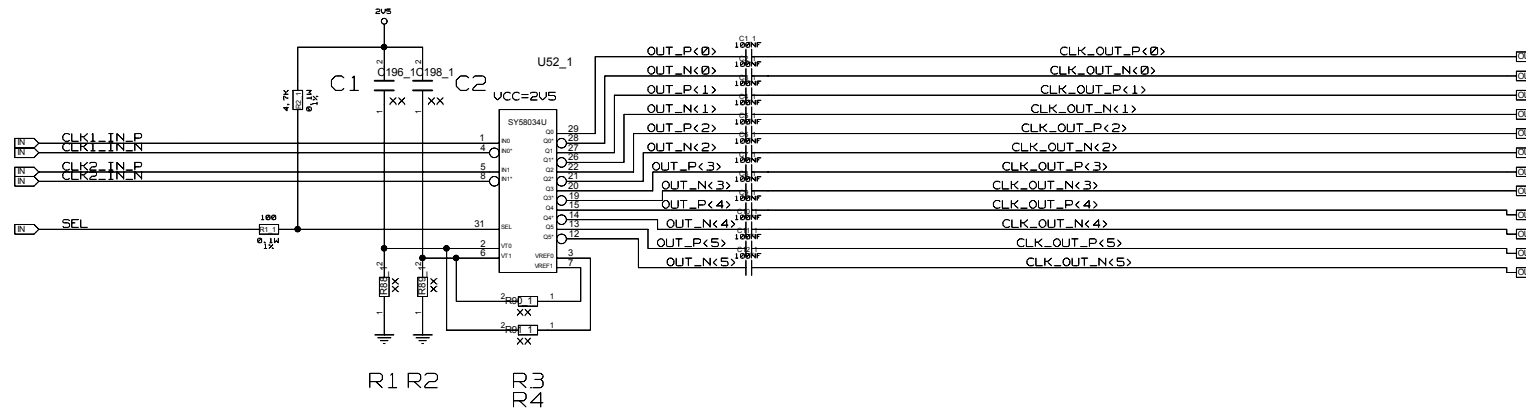
NAME	DATE	SIGN	DRAWING TITLE	
CHECKED E.ROCCO			JFEX GLOBAL CLOCK	
CHECKED U.SCHAEFER				
CHECKED S.RAVE				
DRAWN BAUSS	17.08.2015			
BLOCK TITLE			CLOCK	
UNIVERSITY OF MAINZ			SIZE C	DRAWING NO.
SCALE			REV.	SHEET 5 OF 5



REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

CHECKED	NAME	DATE	SIGN	DRAWING TITLE JFEX TTC DATA	
CHECKED	E.ROCCO				
CHECKED	U.SCHAEFER				
CHECKED	S.RAVE				
DRAWN	BAUSS	05.11.2015		BLOCK TITLE CLOCK	
UNIVERSITY OF MAINZ				SIZE C	REV.
				SCALE	DRAWING NO.
				SHEET	OF

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



INPUT INTERFACE APPLICATIONS

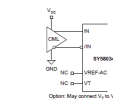


Figure 3a. CML Interface (AC-Coupled)

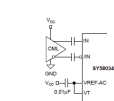


Figure 3b. CML Interface (DC-Coupled)

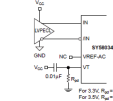


Figure 3c. LVPECL Interface (DC-Coupled)

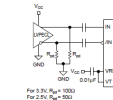


Figure 3d. LVPECL Interface (AC-Coupled)

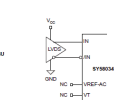
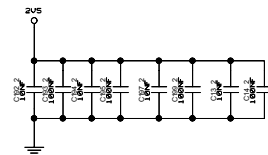
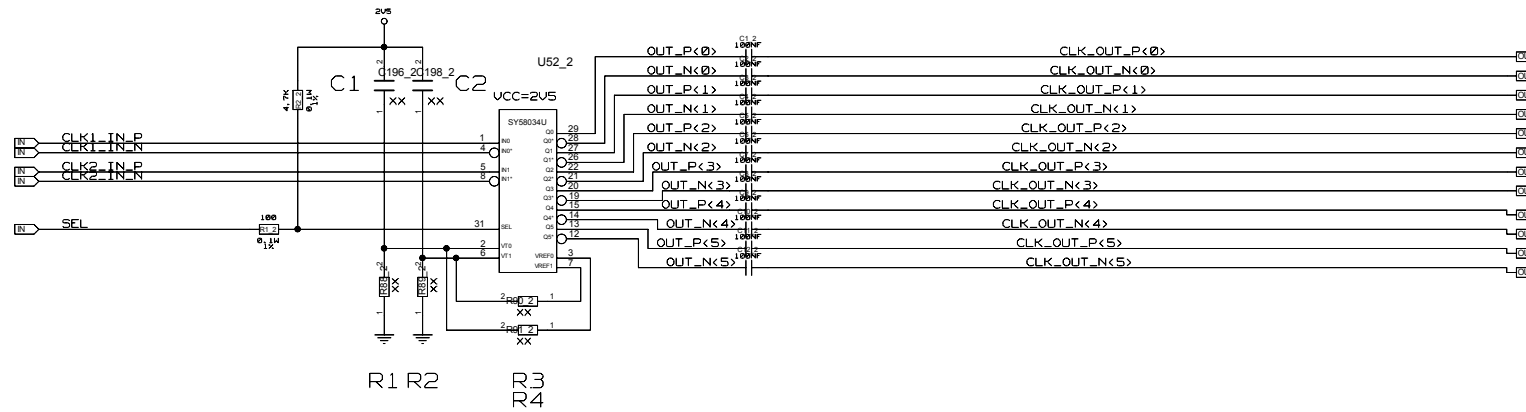


Figure 3e. LVDS Interface

	NAME	DATE	SIGN	DRAWING TITLE <		
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REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



INPUT INTERFACE APPLICATIONS

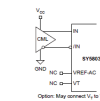


Figure 3a. CML Interface (AC-Coupled)

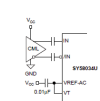


Figure 3b. CML Interface (DC-Coupled)



Figure 3c. LVPECL Interface (AC-Coupled)

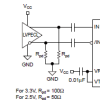


Figure 3d. LVPECL Interface (AC-Coupled)

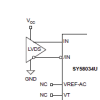
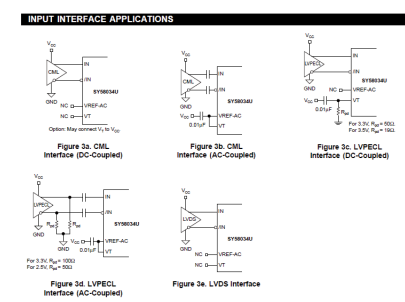
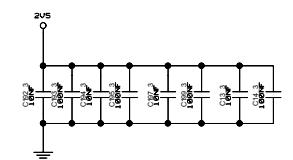
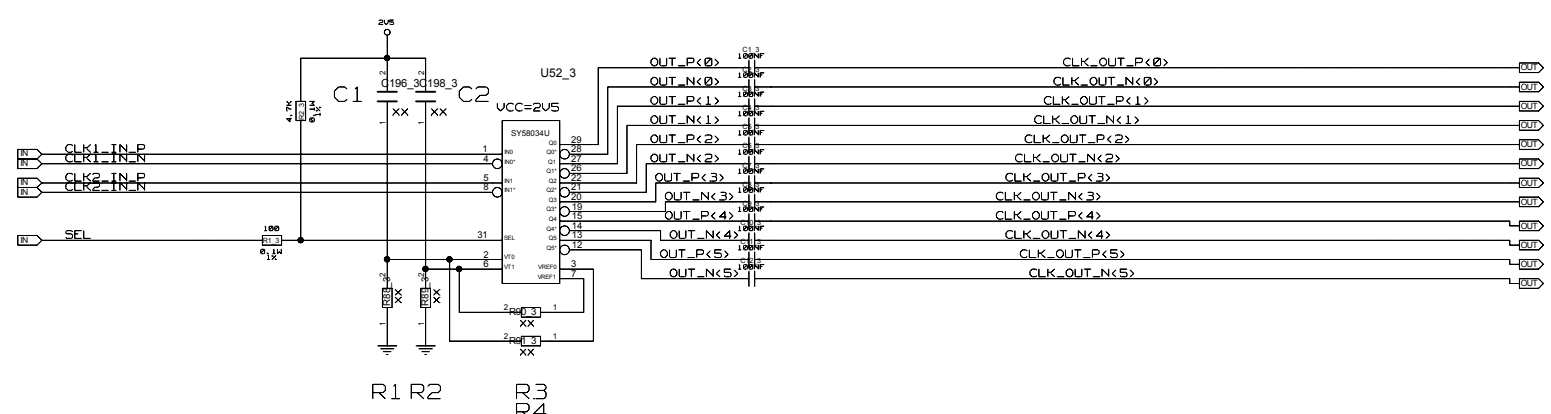


Figure 3e. LVDS Interface

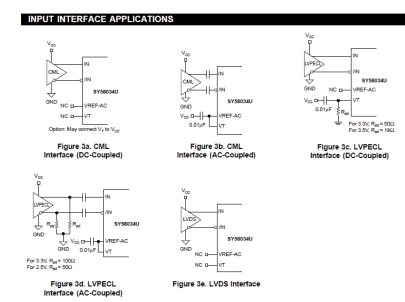
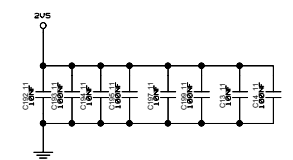
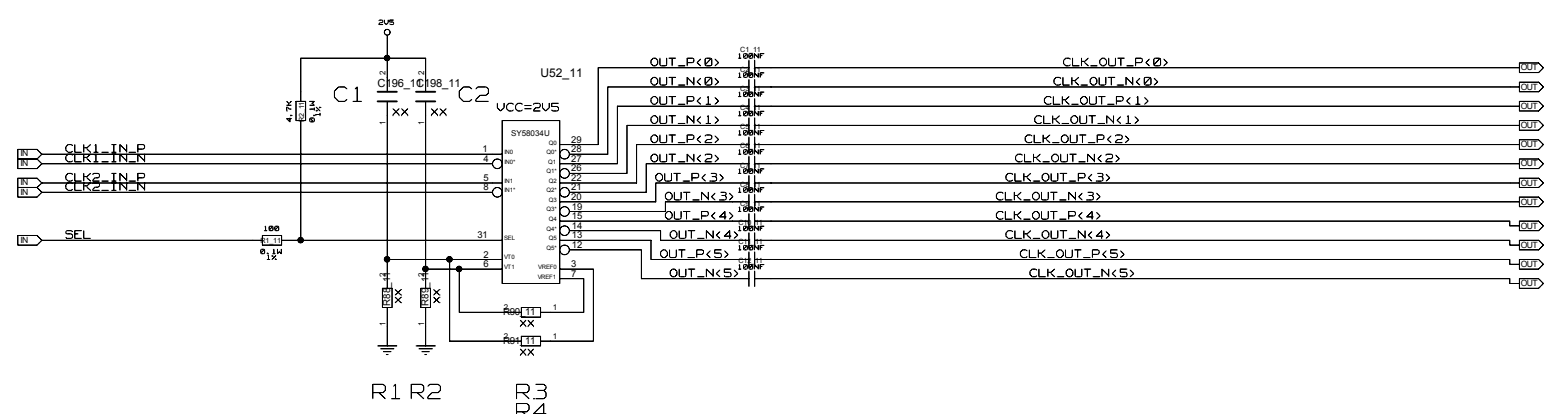
	NAME	DATE	SIGN	DRAWING TITLE 		
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REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



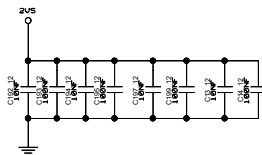
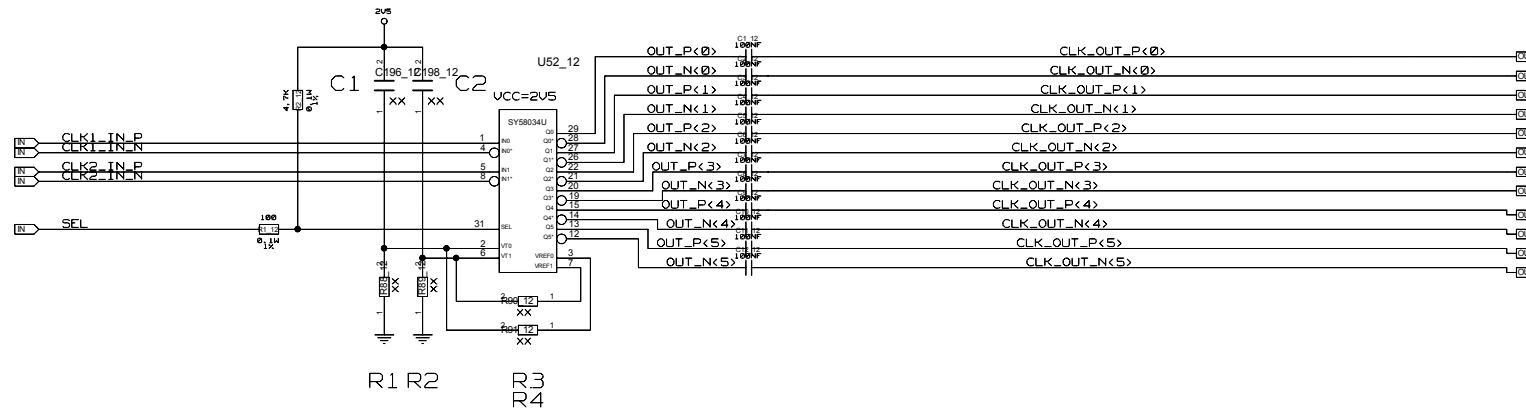
		NAME		DATE		SIGN		DRAWING TITLE CLOCK			
CHECKED		E.ROCCO									
CHECKED		U.SCHAEFER									
CHECKED		S.RAVE									
DRAWN		BAUSS									
BLOCK TITLE								CLOCK CML FANOUT5 AC			
UNIVERSITY OF MAINZ											
SIZE		REV.		DRAWING NO.							
SCALE						SHEET		OF			

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



	NAME	DATE	SIGN	DRAWING TITLE CLOCK			
CHECKED	E.ROCCO						
CHECKED	U.SCHAEFER						
CHECKED	S.RAVE						
DRAWN	BAUSS						
BLOCK TITLE CLOCK CML FANOUT5 AC				DRAWING NO.			
UNIVERSITY OF MAINZ							
				SIZE C	REV.		
				SCALE			SHEET OF

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



INPUT INTERFACE APPLICATIONS

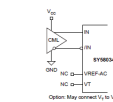


Figure 3a. CML Interface (AC-Coupled)

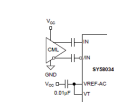


Figure 3b. CML Interface (DC-Coupled)

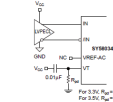


Figure 3c. LVPECL Interface (AC-Coupled)

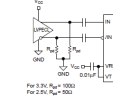


Figure 3d. LVPECL Interface (DC-Coupled)

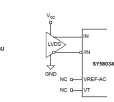
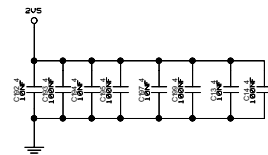
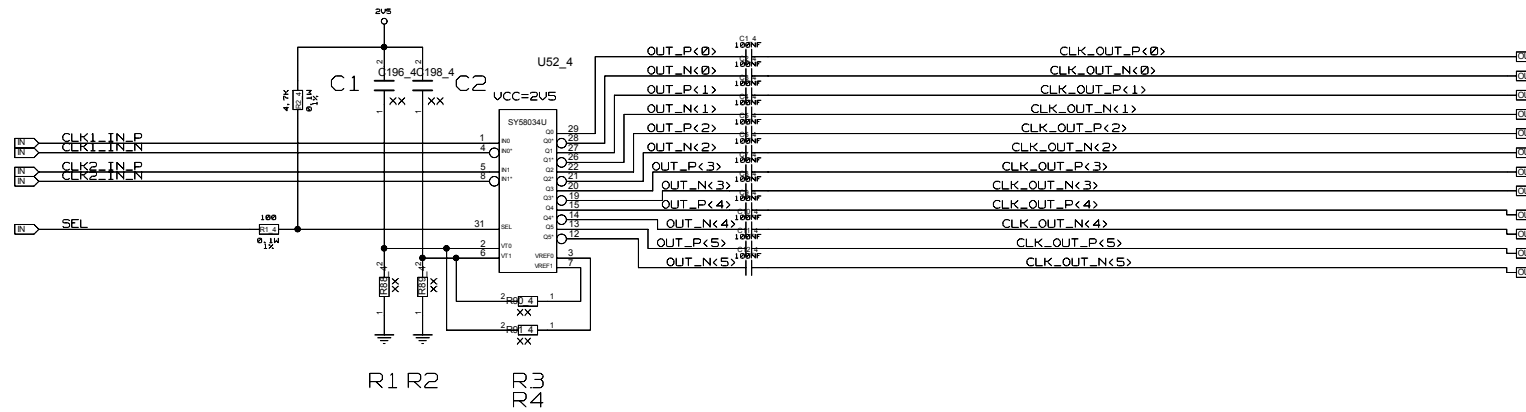


Figure 3e. LVDS Interface

NAME	DATE	SIGN	DRAWING TITLE	
CHECKED E.ROCCO			CLOCK	
CHECKED U.SCHAEFER				
CHECKED S.RAVE				
DRAWN BAUSS				
BLOCK TITLE			CLOCK CML FANOUT6 AC	
UNIVERSITY OF MAINZ			SIZE C	REV.
			SCALE	DRAWING NO.
			SHEET OF	

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



INPUT INTERFACE APPLICATIONS



Figure 3a. CML Interface (AC-Coupled)



Figure 3b. CML Interface (DC-Coupled)



Figure 3c. LVPECL Interface (DC-Coupled)



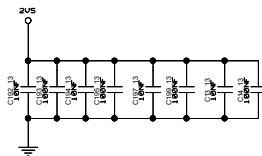
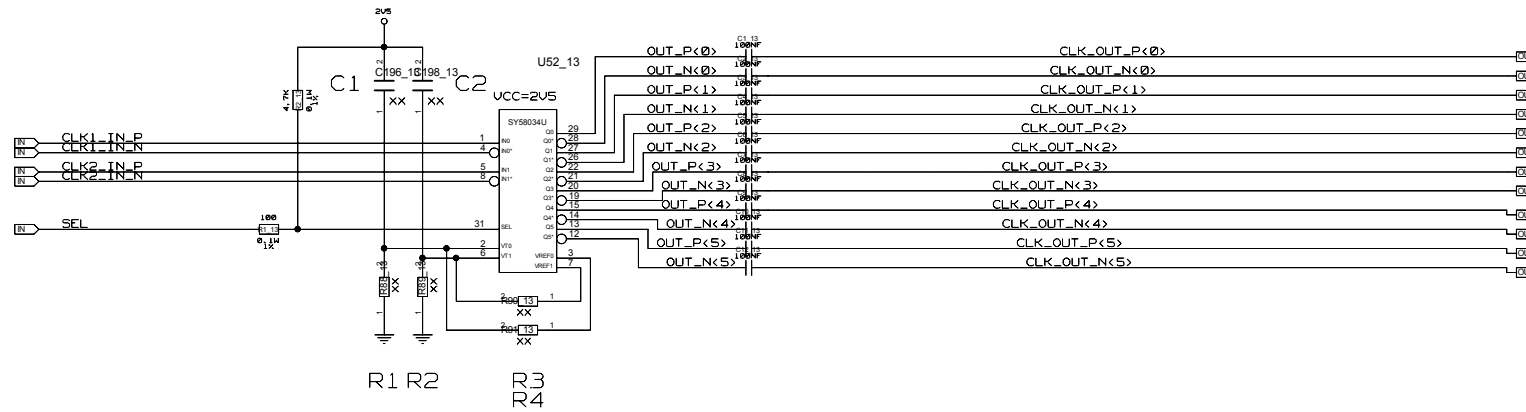
Figure 3d. LVPECL Interface (AC-Coupled)



Figure 3e. LVDS Interface

	NAME	DATE	SIGN	DRAWING TITLE 			
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REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



INPUT INTERFACE APPLICATIONS



Figure 3a. CML Interface (AC-Coupled)



Figure 3b. CML Interface (DC-Coupled)



Figure 3c. LVPECL Interface (DC-Coupled)



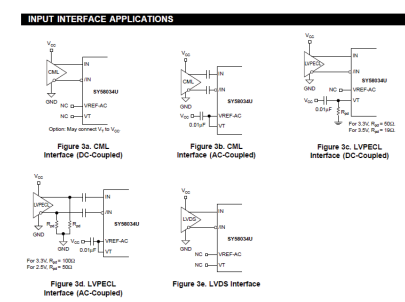
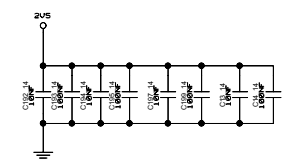
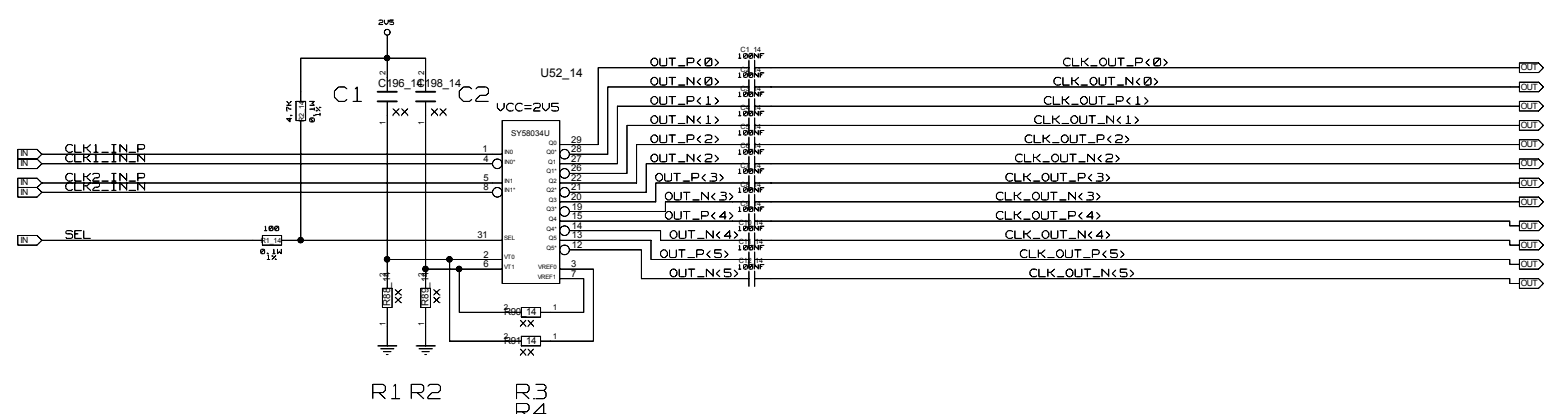
Figure 3d. LVPECL Interface (AC-Coupled)



Figure 3e. LVDS Interface

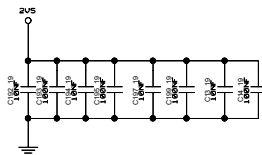
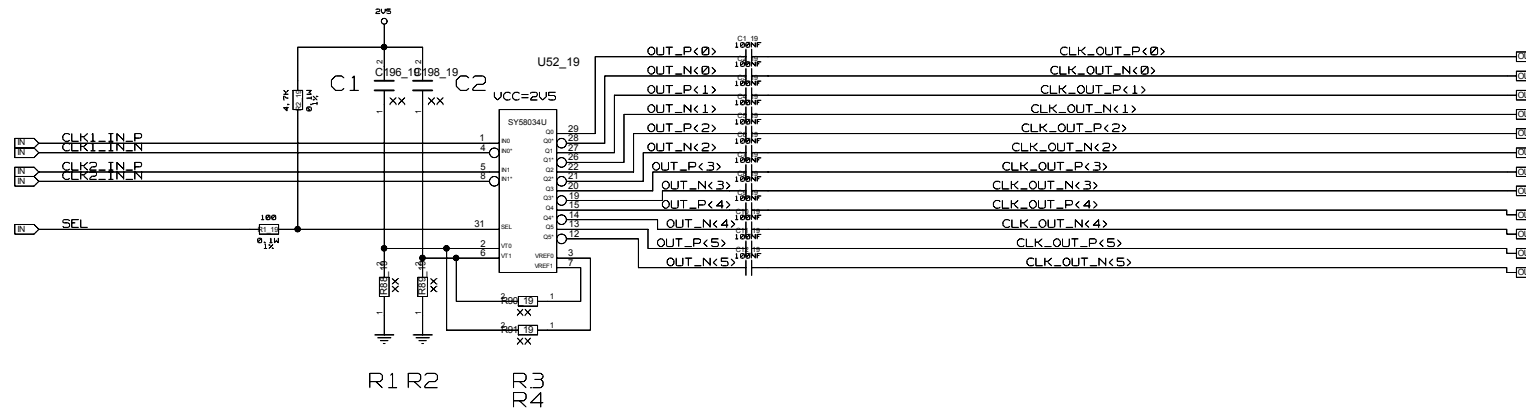
NAME	DATE	SIGN	DRAWING TITLE	
CHECKED E.ROCCO			CLOCK	
CHECKED U.SCHAEFER				
CHECKED S.RAVE				
DRAWN BAUSS				
BLOCK TITLE			CLOCK CML FANOUT6 AC	
UNIVERSITY OF MAINZ			SIZE C	REV.
			SCALE	DRAWING NO.
				SHEET OF

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



	NAME	DATE	SIGN	DRAWING TITLE CLOCK			
CHECKED	E.ROCCO						
CHECKED	U.SCHAEFER						
CHECKED	S.RAVE						
DRAWN	BAUSS						
BLOCK TITLE CLOCK CML FANOUT5 AC							
UNIVERSITY OF MAINZ				SIZE C	REV.	DRAWING NO.	
				SCALE			SHEET

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



INPUT INTERFACE APPLICATIONS

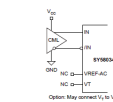


Figure 3a. CML Interface (AC-Coupled)

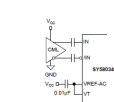


Figure 3b. CML Interface (DC-Coupled)

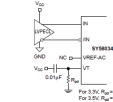


Figure 3c. LVPECL Interface (AC-Coupled)

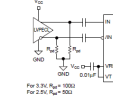


Figure 3d. LVPECL Interface (AC-Coupled)

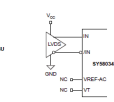
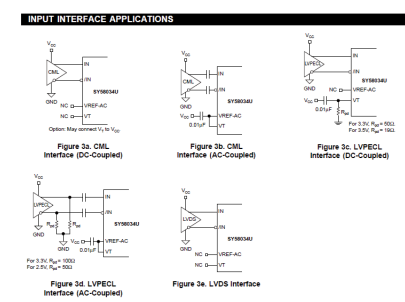
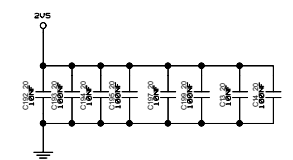
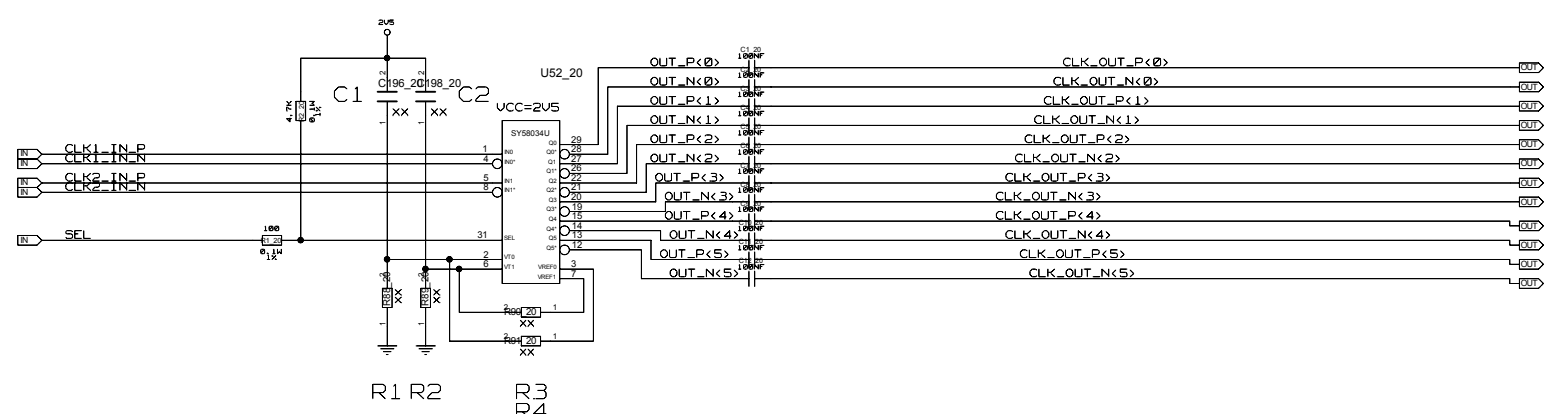


Figure 3e. LVDS Interface

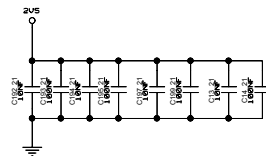
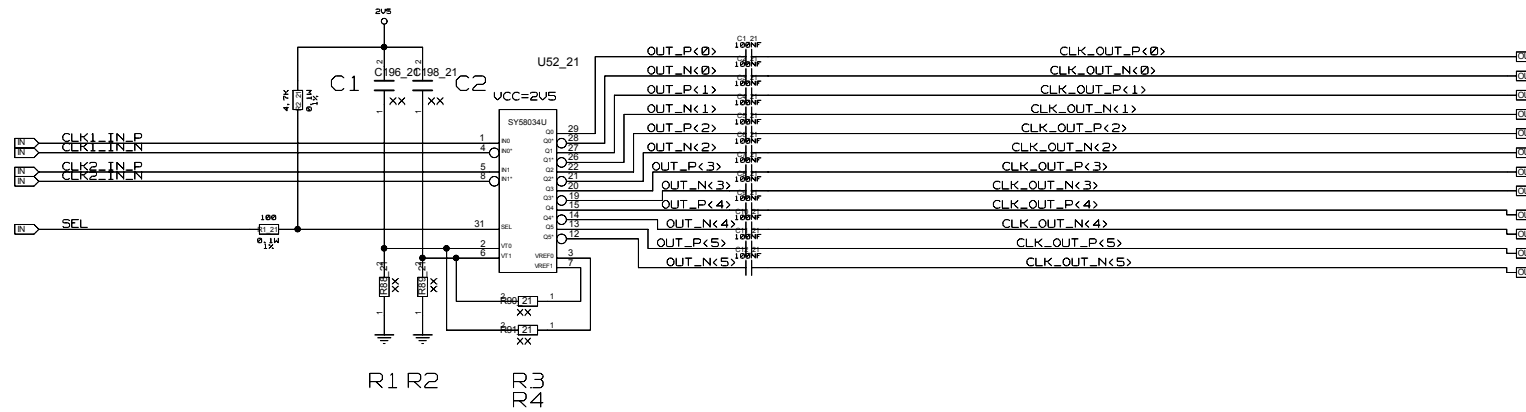
	NAME	DATE	SIGN	DRAWING TITLE 		
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REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



BLOCK TITLE				DRAWING TITLE	
CLOCK CML FANOUT6 AC				CLOCK	
CHECKED	E.ROCCO	DATE	SIGN	DRAWING NO.	
CHECKED	U.SCHAEFER				
CHECKED	S.RAVE				
DRAWN	BAUSS				
UNIVERSITY OF MAINZ				SIZE C	REV.
				SCALE	SHEET OF

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



INPUT INTERFACE APPLICATIONS

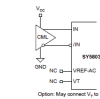


Figure 3a. CML Interface (AC-Coupled)

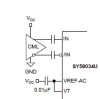


Figure 3b. CML Interface (DC-Coupled)



Figure 3c. LVPECL Interface (AC-Coupled)

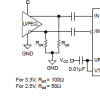


Figure 3d. LVPECL Interface (AC-Coupled)

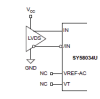
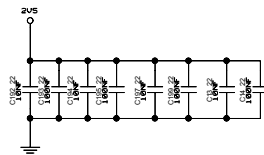
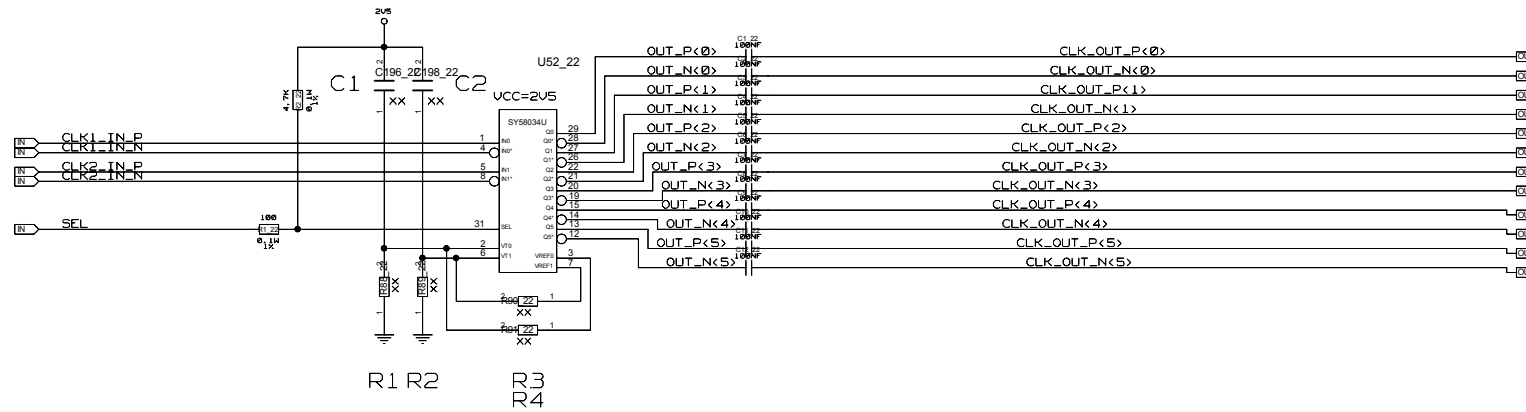


Figure 3e. LVDS Interface

NAME	DATE	SIGN	DRAWING TITLE	
CHECKED E.ROCCO			CLOCK	
CHECKED U.SCHAEFER				
CHECKED S.RAVE				
DRAWN BAUSS				
BLOCK TITLE			CLOCK CML FANOUT6 AC	
UNIVERSITY OF MAINZ			SIZE C	REV.
			SCALE	DRAWING NO.
			SHEET OF	

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



INPUT INTERFACE APPLICATIONS

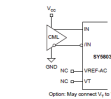


Figure 3a. CML Interface (AC-Coupled)



Figure 3b. CML Interface (DC-Coupled)

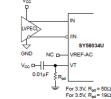


Figure 3c. LVPECL Interface (AC-Coupled)

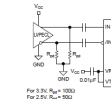


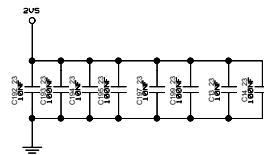
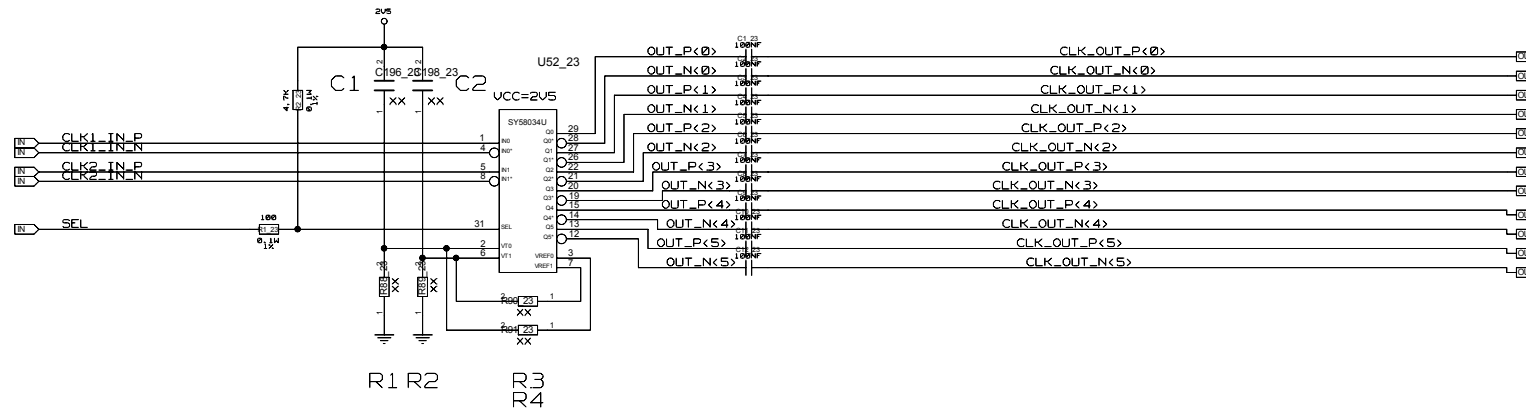
Figure 3d. LVPECL Interface (AC-Coupled)



Figure 3e. LVDS Interface

	NAME	DATE	SIGN	DRAWING TITLE <		
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REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



INPUT INTERFACE APPLICATIONS

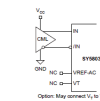


Figure 3a. CML Interface (AC-Coupled)

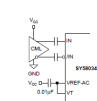


Figure 3b. CML Interface (DC-Coupled)

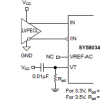


Figure 3c. LVPECL Interface (DC-Coupled)

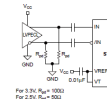


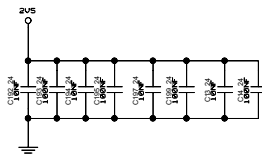
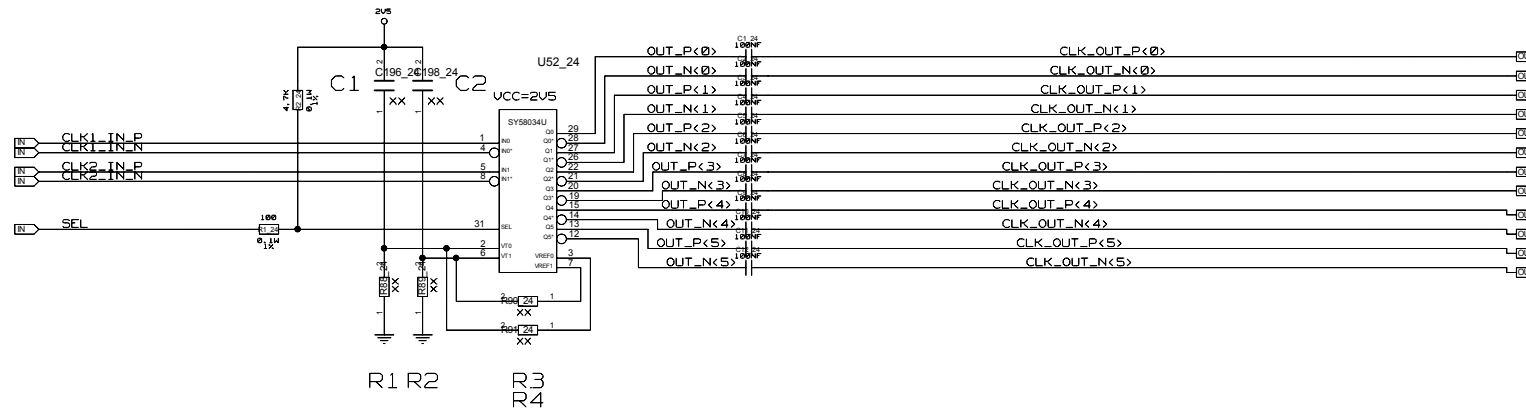
Figure 3d. LVPECL Interface (AC-Coupled)



Figure 3e. LVDS Interface

	NAME	DATE	SIGN	DRAWING TITLE 		
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REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



INPUT INTERFACE APPLICATIONS

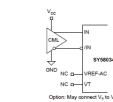


Figure 3a. CML Interface (AC-Coupled)

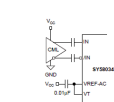


Figure 3b. CML Interface (DC-Coupled)

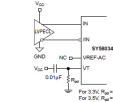


Figure 3c. LVPECL Interface (AC-Coupled)

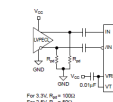


Figure 3d. LVPECL Interface (AC-Coupled)

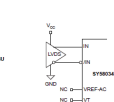
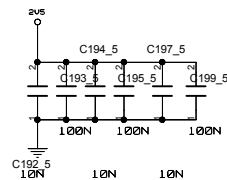
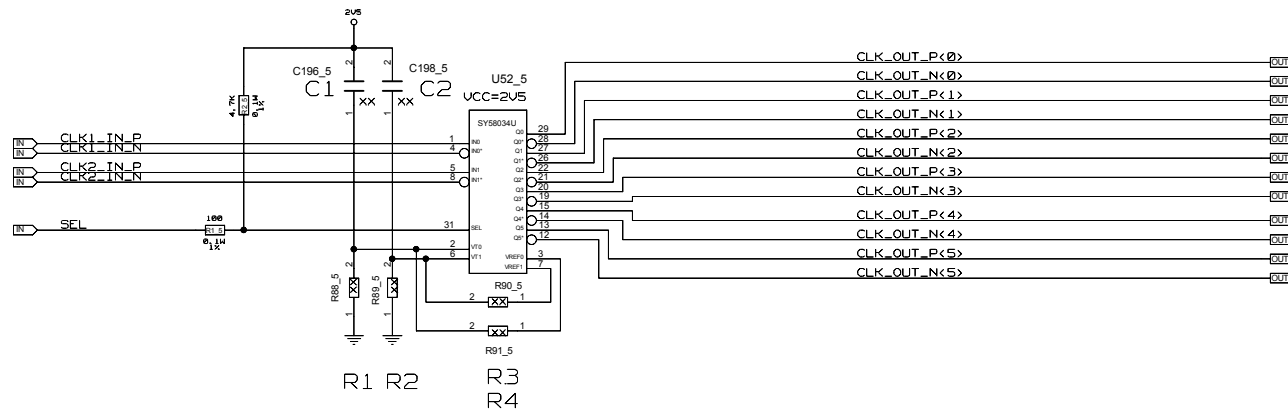


Figure 3e. LVDS Interface

NAME	DATE	SIGN	DRAWING TITLE	
CHECKED E.ROCCO			CLOCK	
CHECKED U.SCHAEFER				
CHECKED S.RAVE				
DRAWN BAUSS				
BLOCK TITLE			CLOCK CML FANOUT6 AC	
UNIVERSITY OF MAINZ			SIZE C	REV.
			SCALE	DRAWING NO.
				SHEET OF

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



INPUT INTERFACE APPLICATIONS

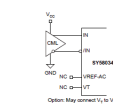


Figure 3a. CML Interface (DC-Coupled)

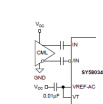


Figure 3b. CML Interface (AC-Coupled)

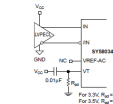


Figure 3c. LVPECL Interface (DC-Coupled)

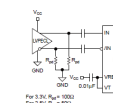


Figure 3d. LVPECL Interface (AC-Coupled)

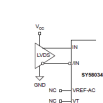
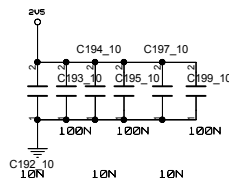
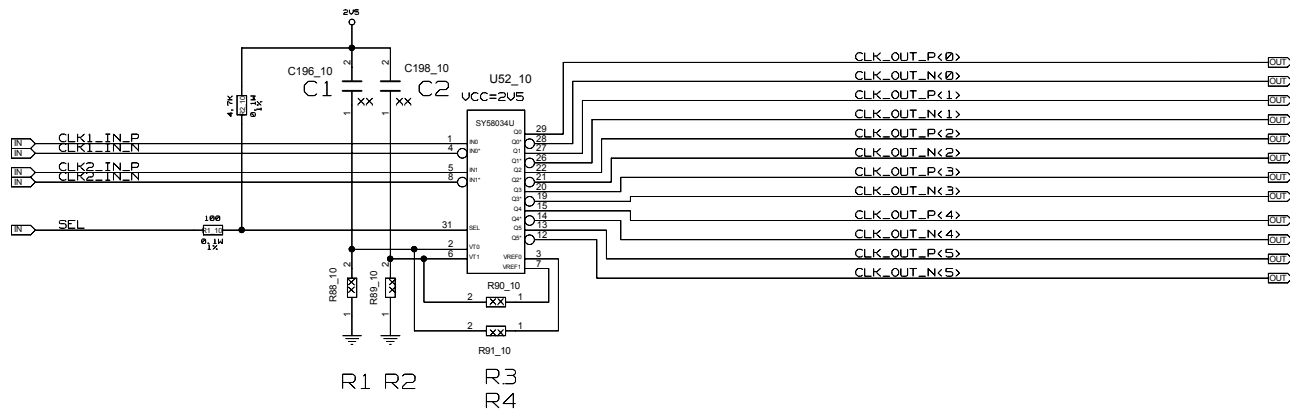


Figure 3e. LVDS Interface

	NAME	DATE	SIGN	DRAWING TITLE 		
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REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



INPUT INTERFACE APPLICATIONS

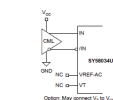


Figure 3a. CML Interface (DC-Coupled)

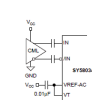


Figure 3b. CML Interface (AC-Coupled)

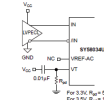


Figure 3c. LVPECL Interface (DC-Coupled)

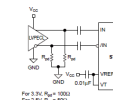


Figure 3d. LVPECL Interface (AC-Coupled)

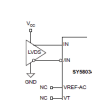
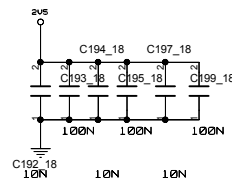
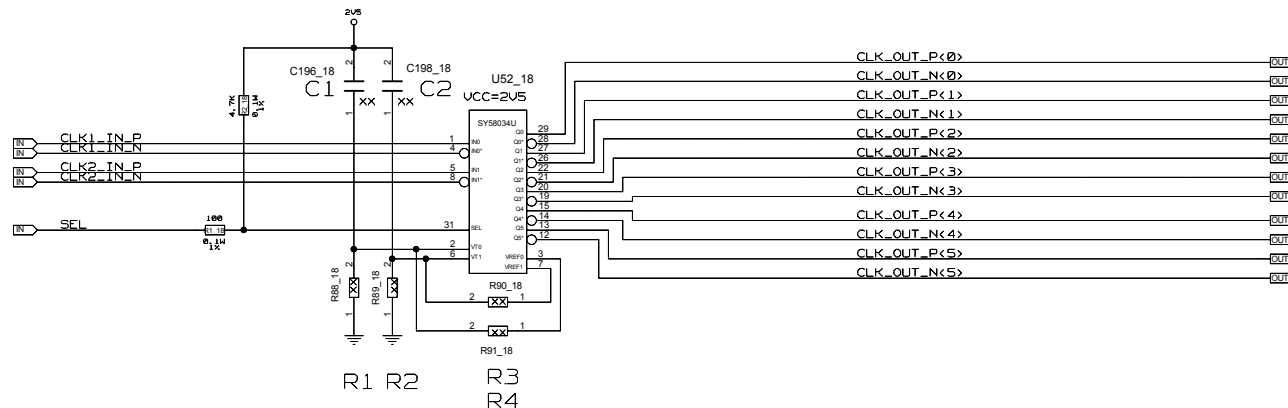


Figure 3e. LVDS Interface

	NAME	DATE	SIGN	DRAWING TITLE 		
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REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



INPUT INTERFACE APPLICATIONS

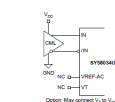


Figure 3a. CML Interface (DC-Coupled)

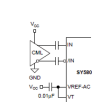


Figure 3b. CML Interface (AC-Coupled)

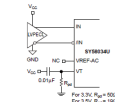


Figure 3c. LVPECL Interface (DC-Coupled)

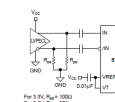


Figure 3d. LVPECL Interface (AC-Coupled)

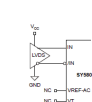
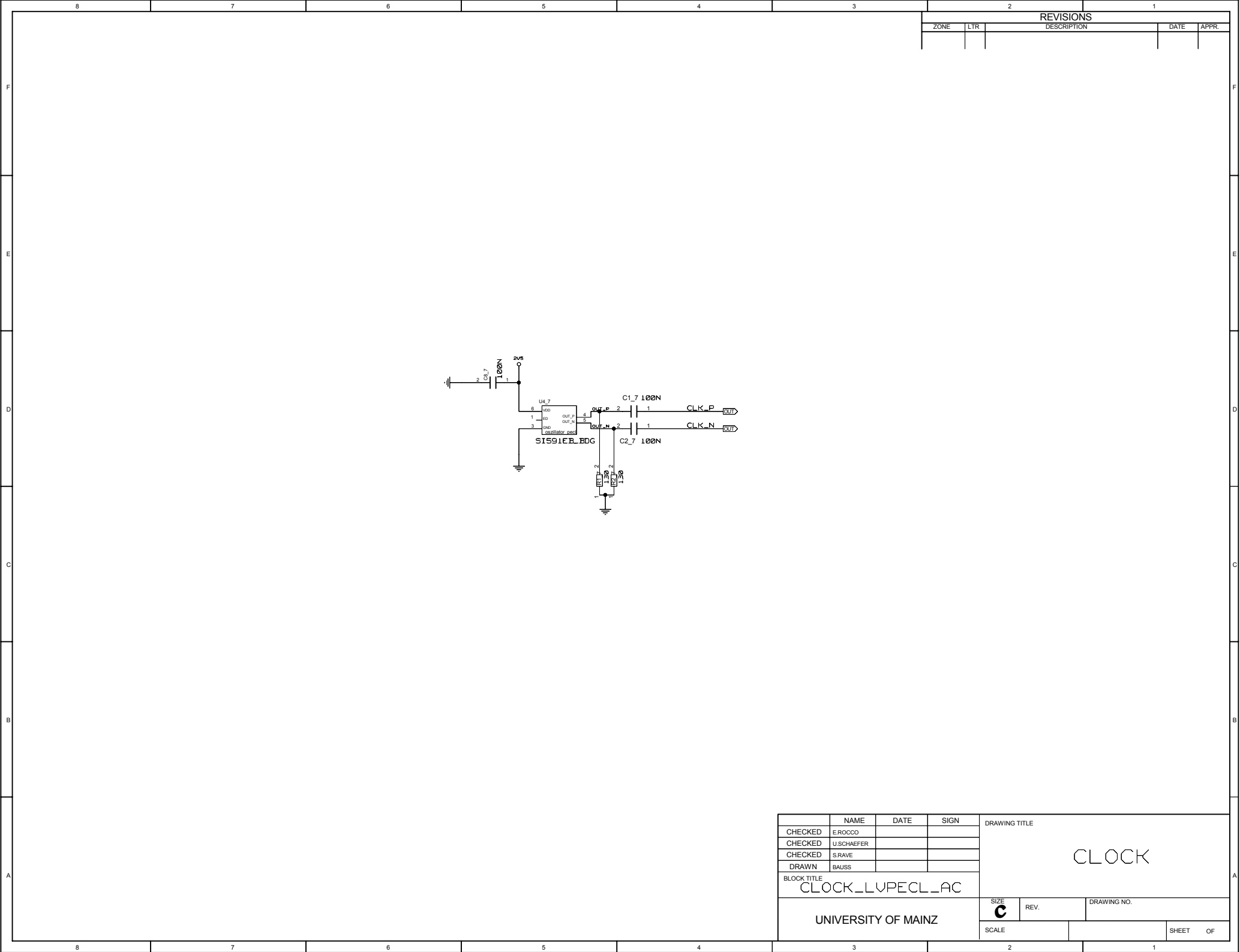
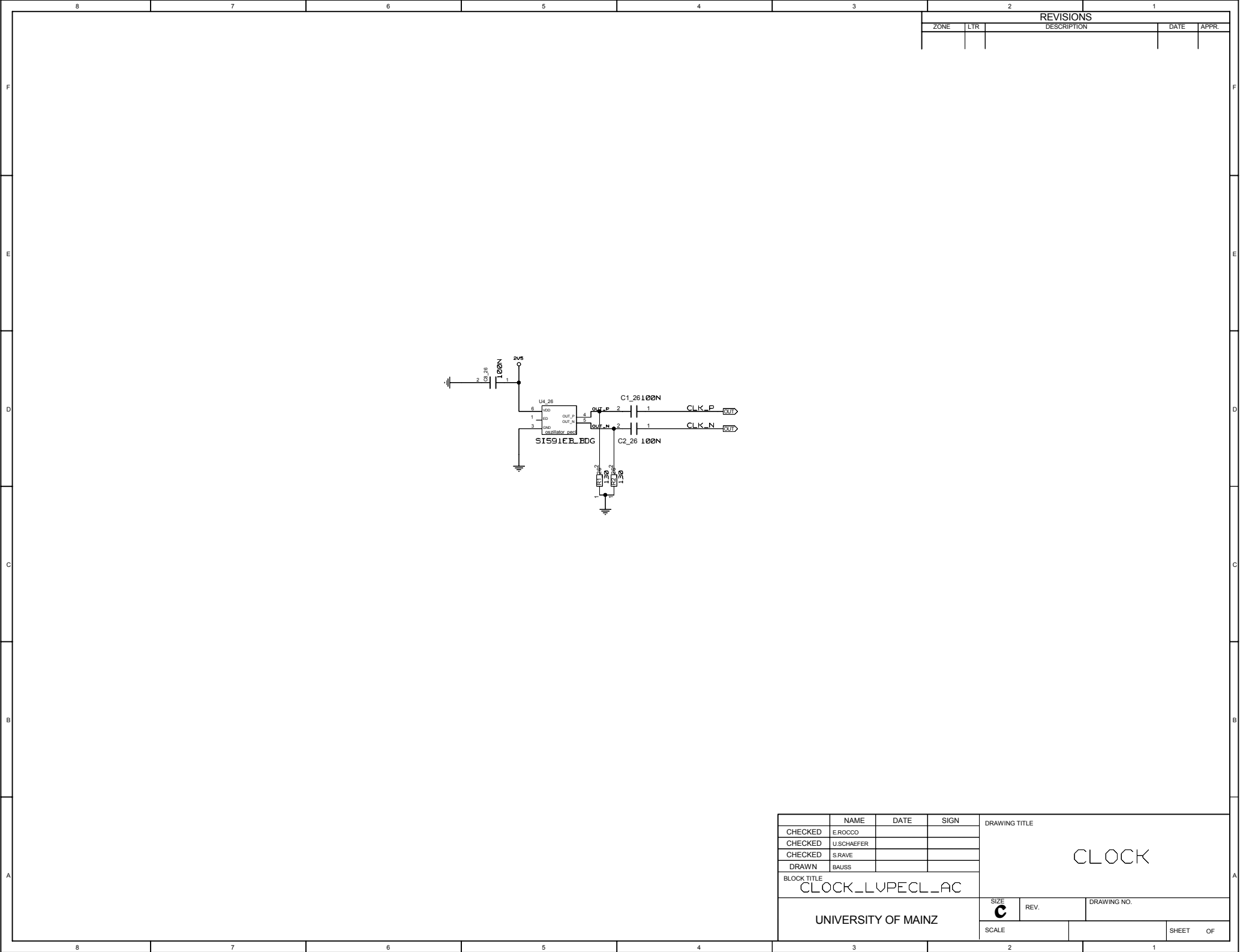


Figure 3e. LVDS Interface

	NAME	DATE	SIGN	DRAWING TITLE 		
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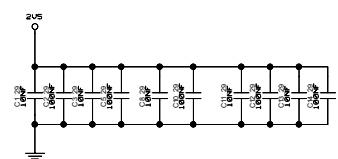
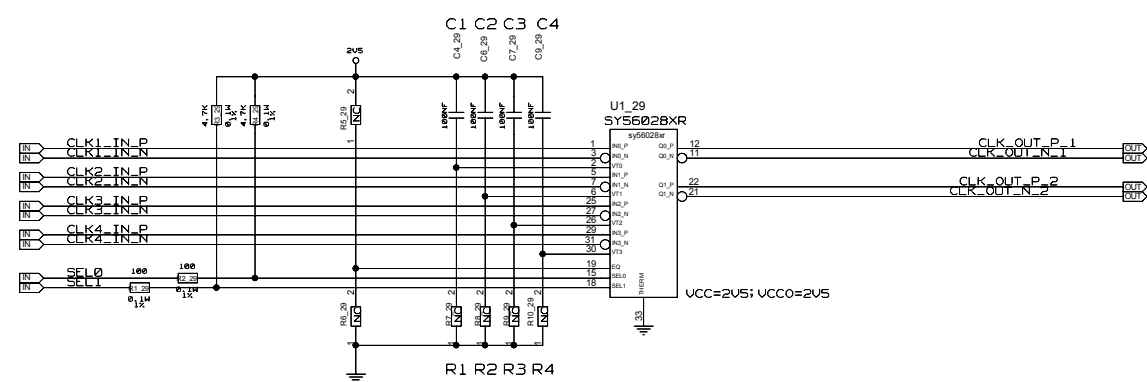




REVISIONS				
ZONE	LTR	DESCRIPTION		DATE

		NAME	DATE	SIGN	DRAWING TITLE <	
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REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



Input Interface Applications

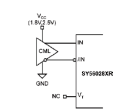


Figure 4a. CML Interface
100 Ω Differential
(DC-Coupled, 1.8V, 2.5V)

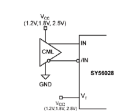


Figure 4b. CML Interface
50 Ω to VCC
(DC-Coupled, 1.2V, 1.8V, 2.5V)

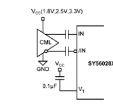


Figure 4c. CML Interface
AC-Coupled
*See note in Functional Description
for 1.2V CML driver with AC-Coupling

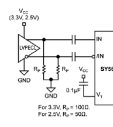


Figure 4d. LVPECL Interface
(AC-Coupled)

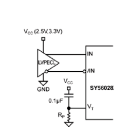


Figure 4e. LVPECL Interface
(DC-Coupled 2.5V and 3.3V)

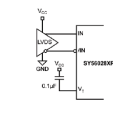
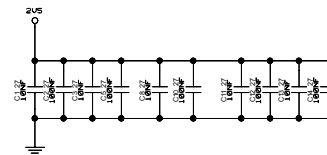
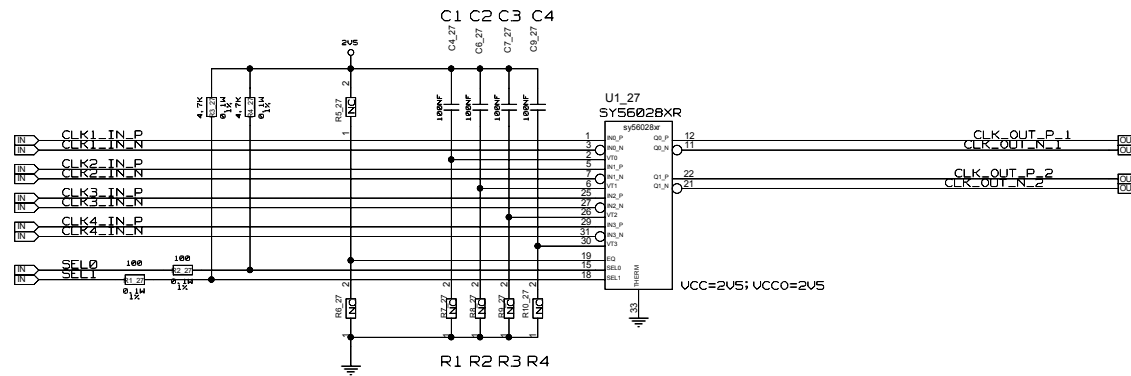


Figure 4f. LVDS Interface

NAME	DATE	SIGN	DRAWING TITLE	
CHECKED E.ROCCO				
CHECKED U.SCHAEFER				
CHECKED S.RAVE				
DRAWN BAUSS			CLOCK	
BLOCK TITLE			MUX_CML_4X2_DC	
UNIVERSITY OF MAINZ			SIZE C	REV.
			SCALE	DRAWING NO.
			SHEET OF	

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



Input Interface Applications

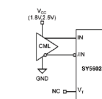


Figure 4a. CML Interface
100 Ω Differential
(DC-Coupled, 1.8V, 2.5V)

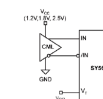


Figure 4b. CML Interface
80 Ω to VCC
(DC-Coupled, 1.2V, 1.8V, 2.5V)

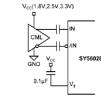


Figure 4c. CML Interface
(AC-Coupled)
*See note in Functional Description
for 1.2V CML driver with AC-Coupling

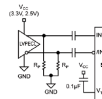


Figure 4d. LVPECL Interface
(AC-Coupled)

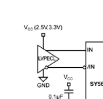


Figure 4e. LVPECL Interface
(DC-Coupled 2.5V and 3.3V)

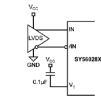
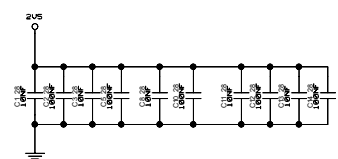
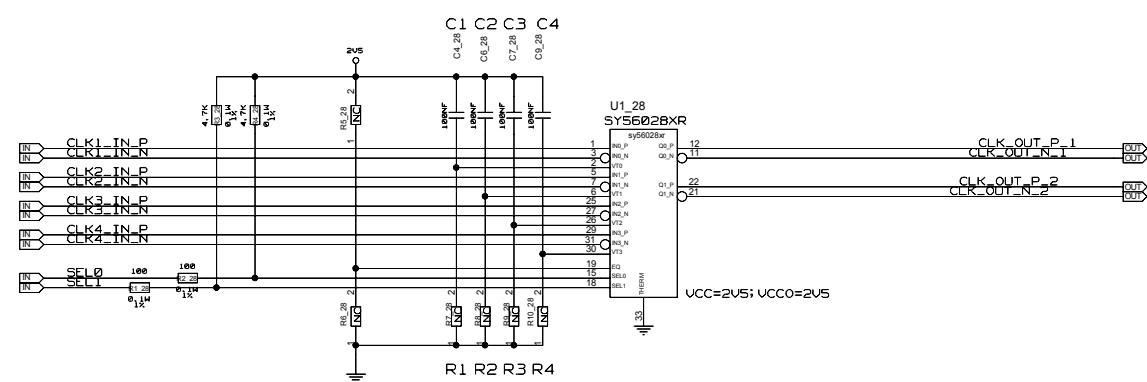


Figure 4f. LVDS Interface

	NAME	DATE	SIGN	DRAWING TITLE			
CHECKED	E.ROCCO						
CHECKED	U.SCHAEFER						
CHECKED	S.RAVE						
DRAWN	BAUSS						
BLOCK TITLE				CLOCK			
MUX_CML_4X2_DC							
UNIVERSITY OF MAINZ				SIZE	REV.	DRAWING NO.	
				C			
				SCALE		SHEET	OF

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



Input Interface Applications

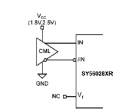


Figure 4a. CML Interface
100 Ω Differential
(DC-Coupled, 1.8V, 2.5V)

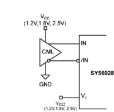


Figure 4b. CML Interface
80 Ω to V_{CC}
(DC-Coupled, 1.2V, 1.8V, 2.5V)

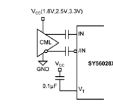


Figure 4c. CML Interface
AC-Coupled
*See note in Functional Description
for 1.2V CML driver with AC-Coupling

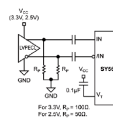


Figure 4d. LVPECL Interface
(AC-Coupled)

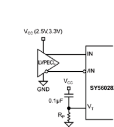


Figure 4e. LVPECL Interface
(DC-Coupled 2.5V and 3.3V)

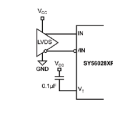
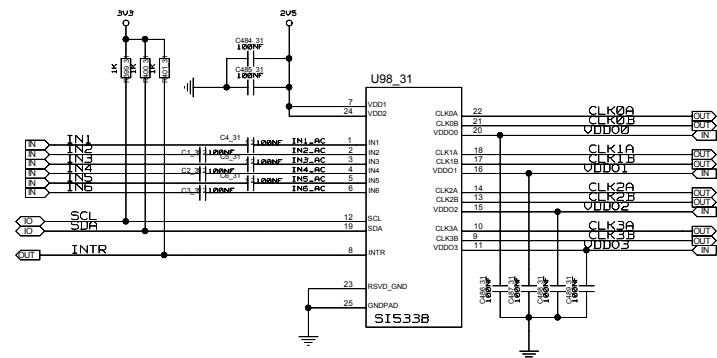


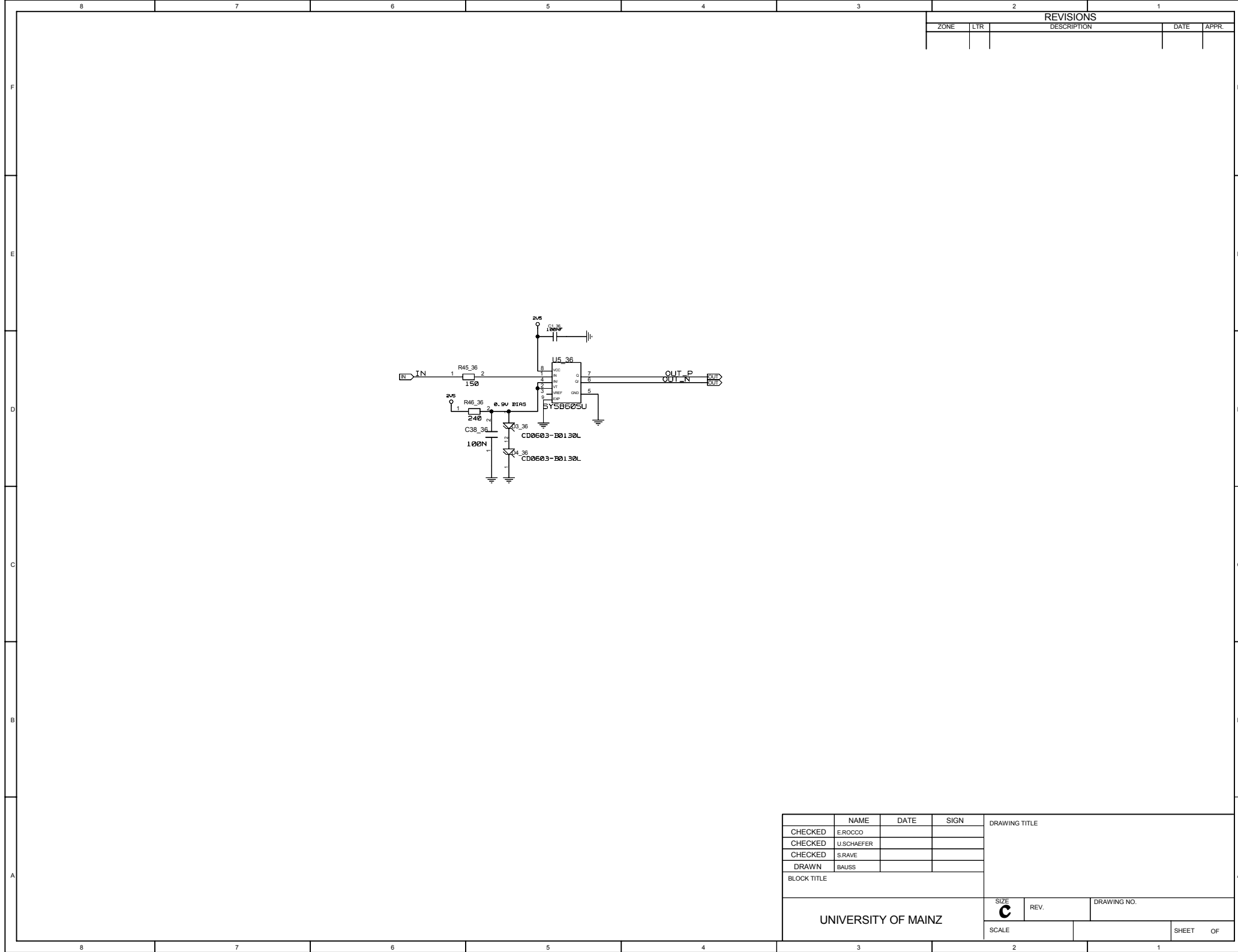
Figure 4f. LVDS Interface

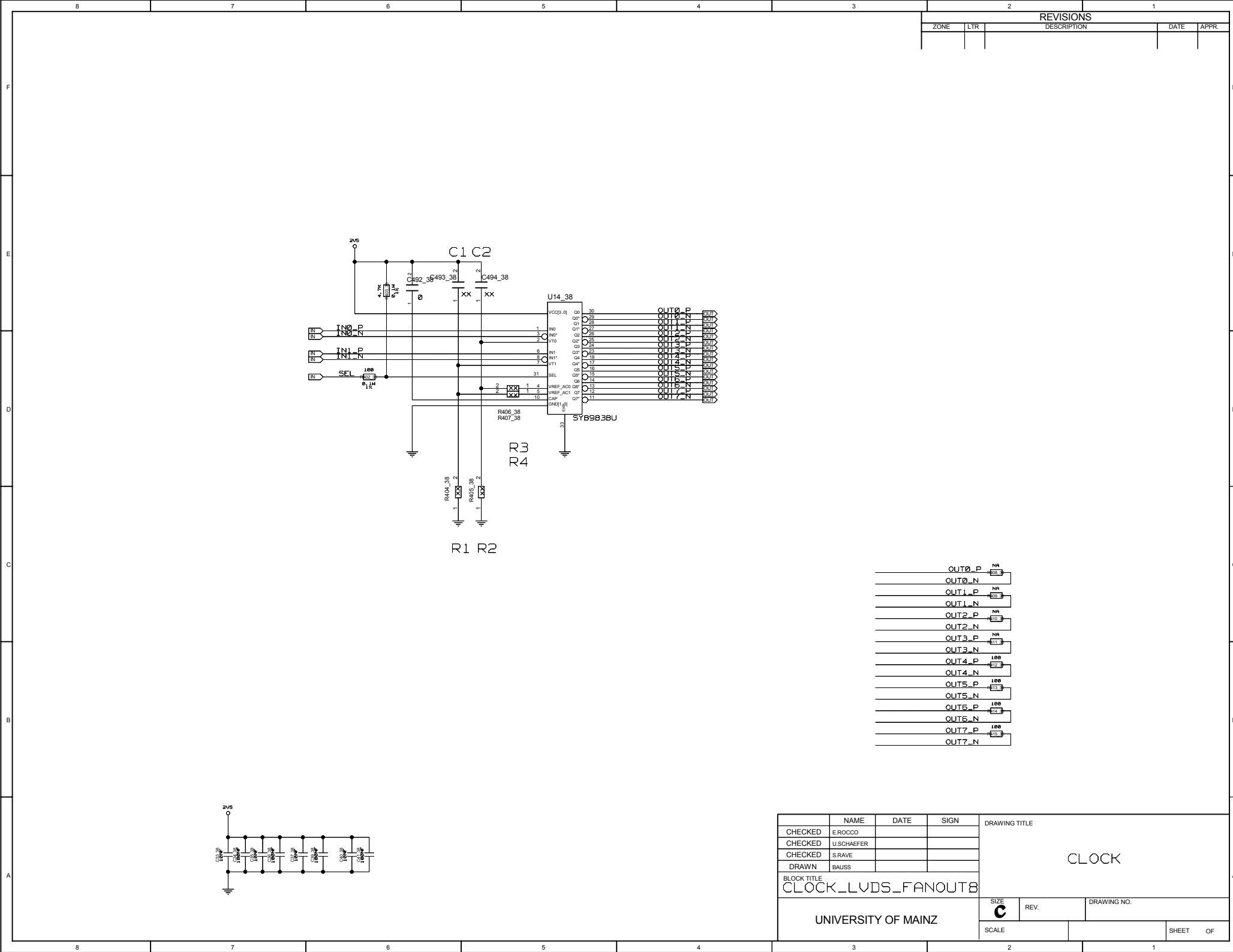
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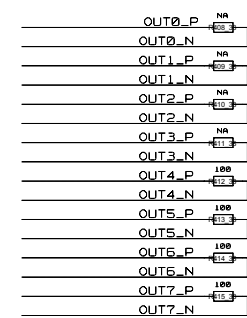
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REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



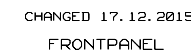


REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



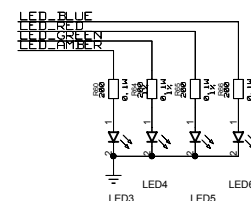
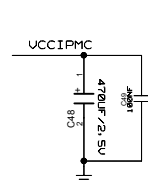
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CHECKED	U.SCHAEFER				
CHECKED	S.RAVE				
DRAWN	BAUSS				
CLOCK_LLVD5_FANOUT8				SIZE	REV.
UNIVERSITY OF MAINZ				C	
				SCALE	DRAWING NO.
					SHEET OF

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



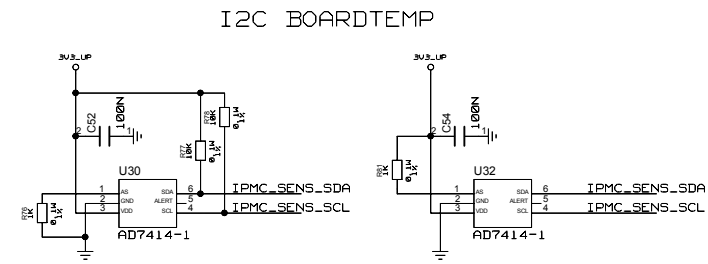
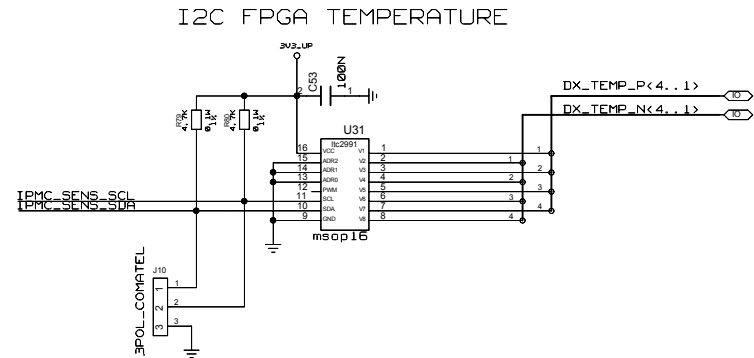
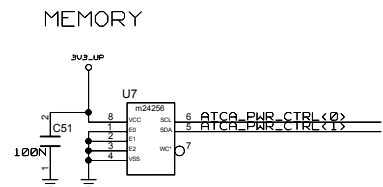
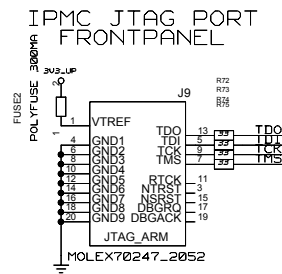
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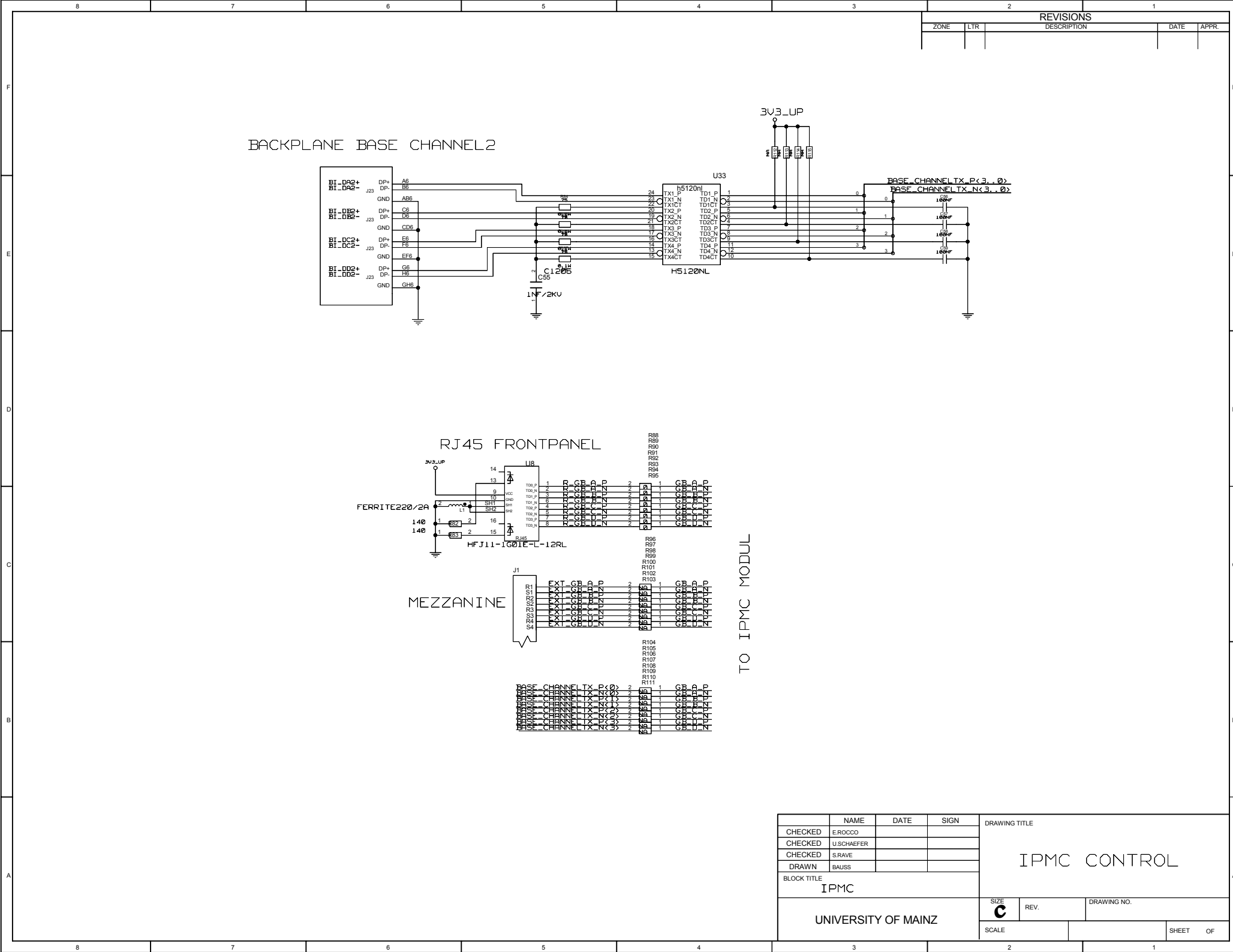


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CHECKED	U.SCHAEFER							
CHECKED	S.RAVE							
DRAWN	BAUSS	30. 10. 2015						
BLOCK TITLE IPMC								
UNIVERSITY OF MAINZ				SIZE C	REV.	DRAWING NO.		
				SCALE			SHEET	OF

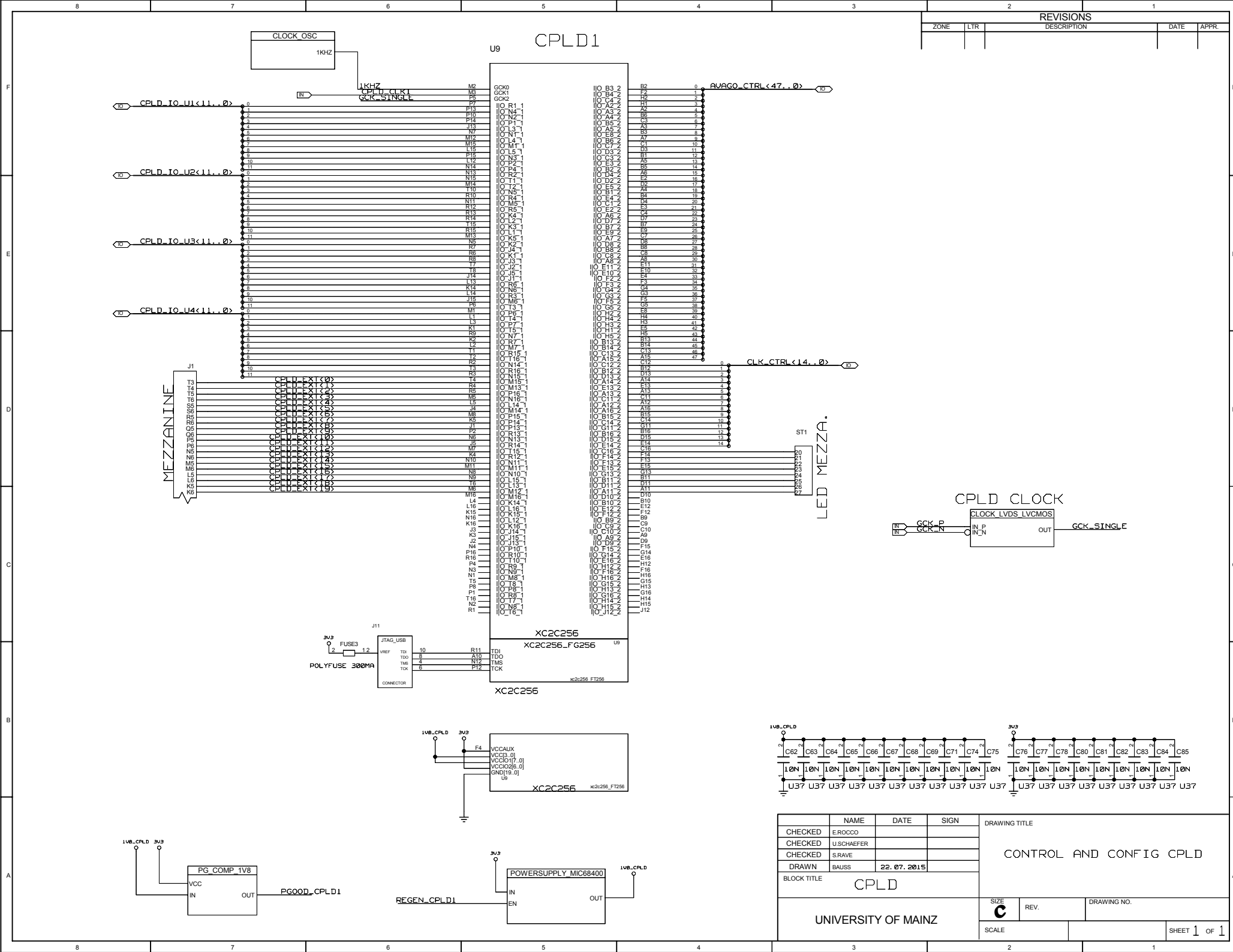
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



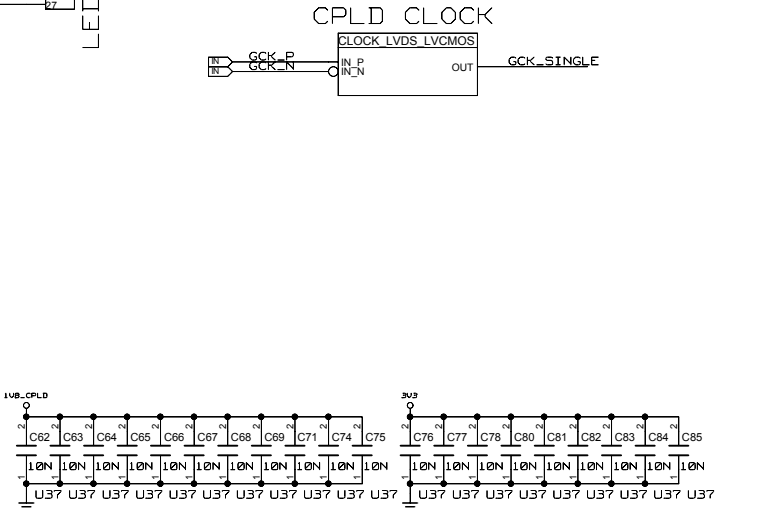
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CHECKED U.SCHAEFER				
CHECKED S.RAVE				
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BLOCK TITLE			IPMC	
UNIVERSITY OF MAINZ			SIZE C	REV.
			SCALE	DRAWING NO.
				SHEET OF



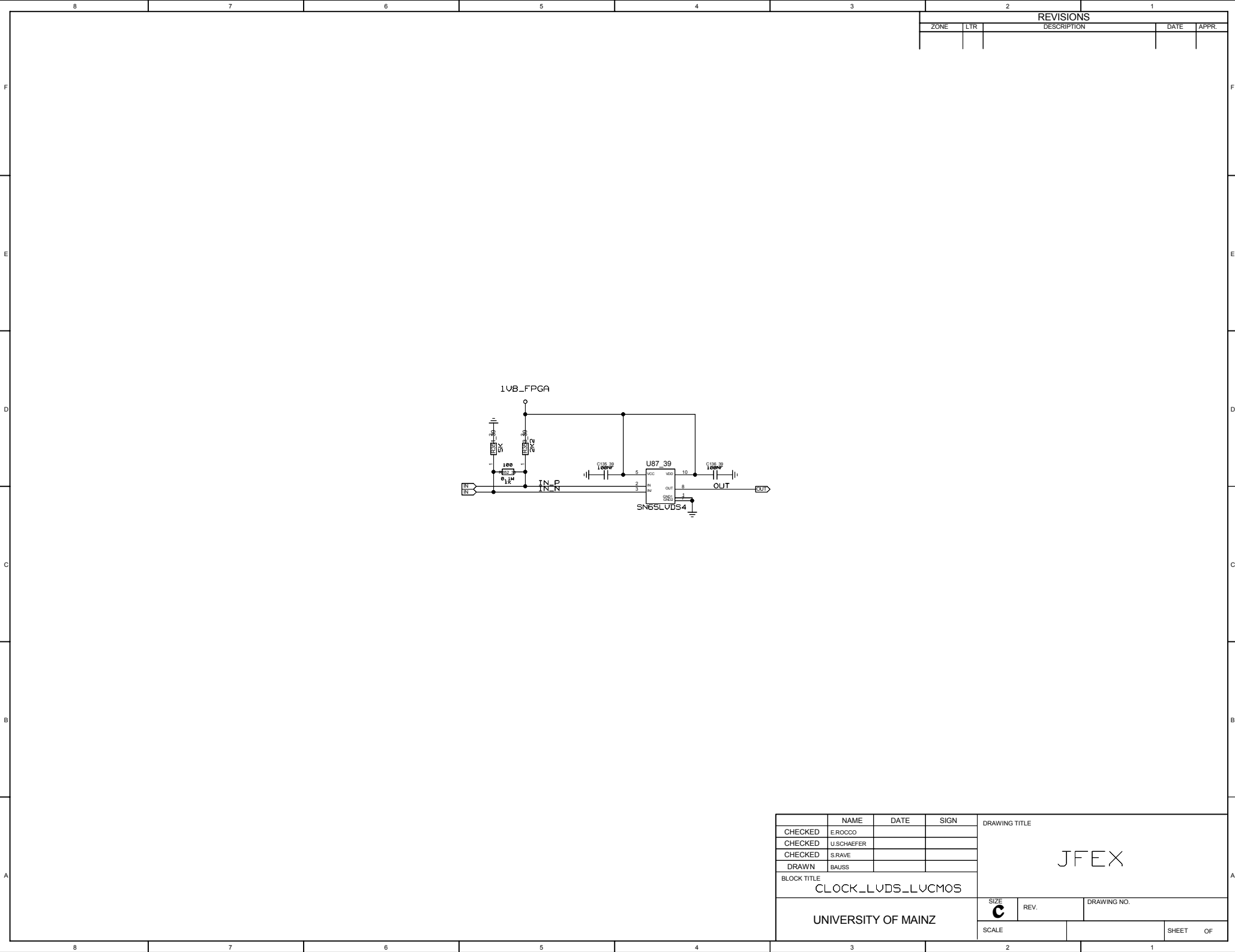
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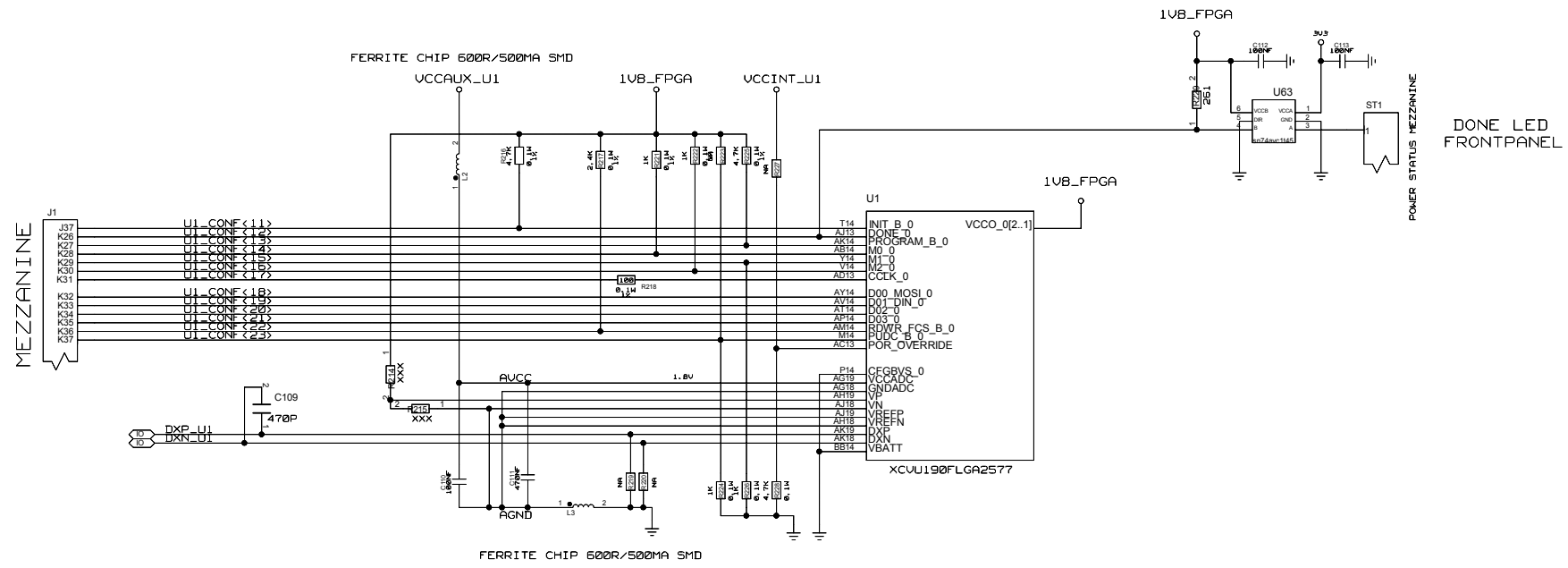
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



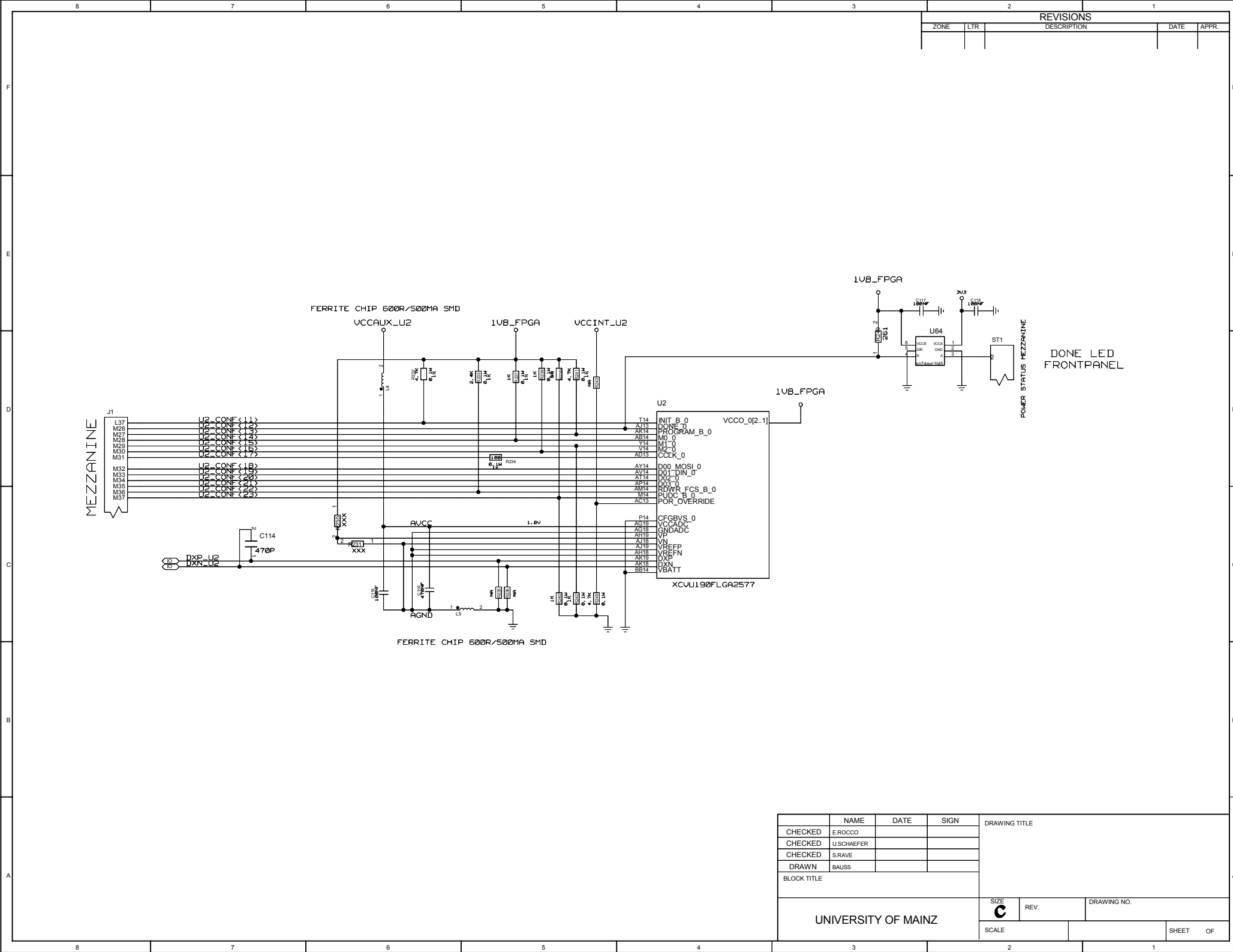
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CHECKED U.SCHAEFER				
CHECKED S.RAVE				
DRAWN BAUSS	22.07.2015		BLOCK TITLE	
UNIVERSITY OF MAINZ			SIZE C	DRAWING NO.
SCALE			REV.	SHEET 1 OF 1



REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

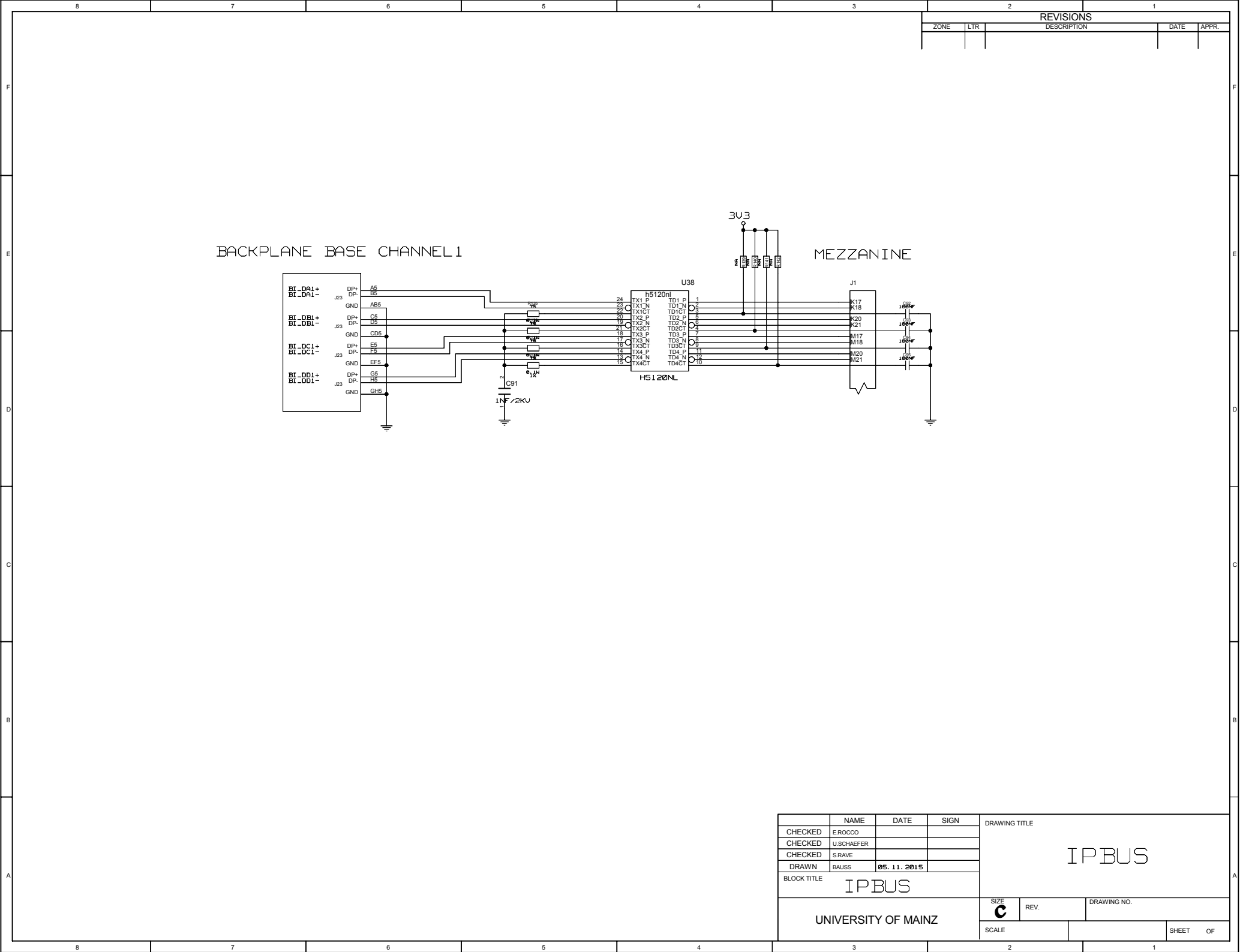


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CHECKED	S.RAVE				
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BLOCK TITLE				SIZE	REV.
CONFIGURATION PROCESSOR U1				C	
UNIVERSITY OF MAINZ				SCALE	DRAWING NO.
					SHEET 1 OF 1



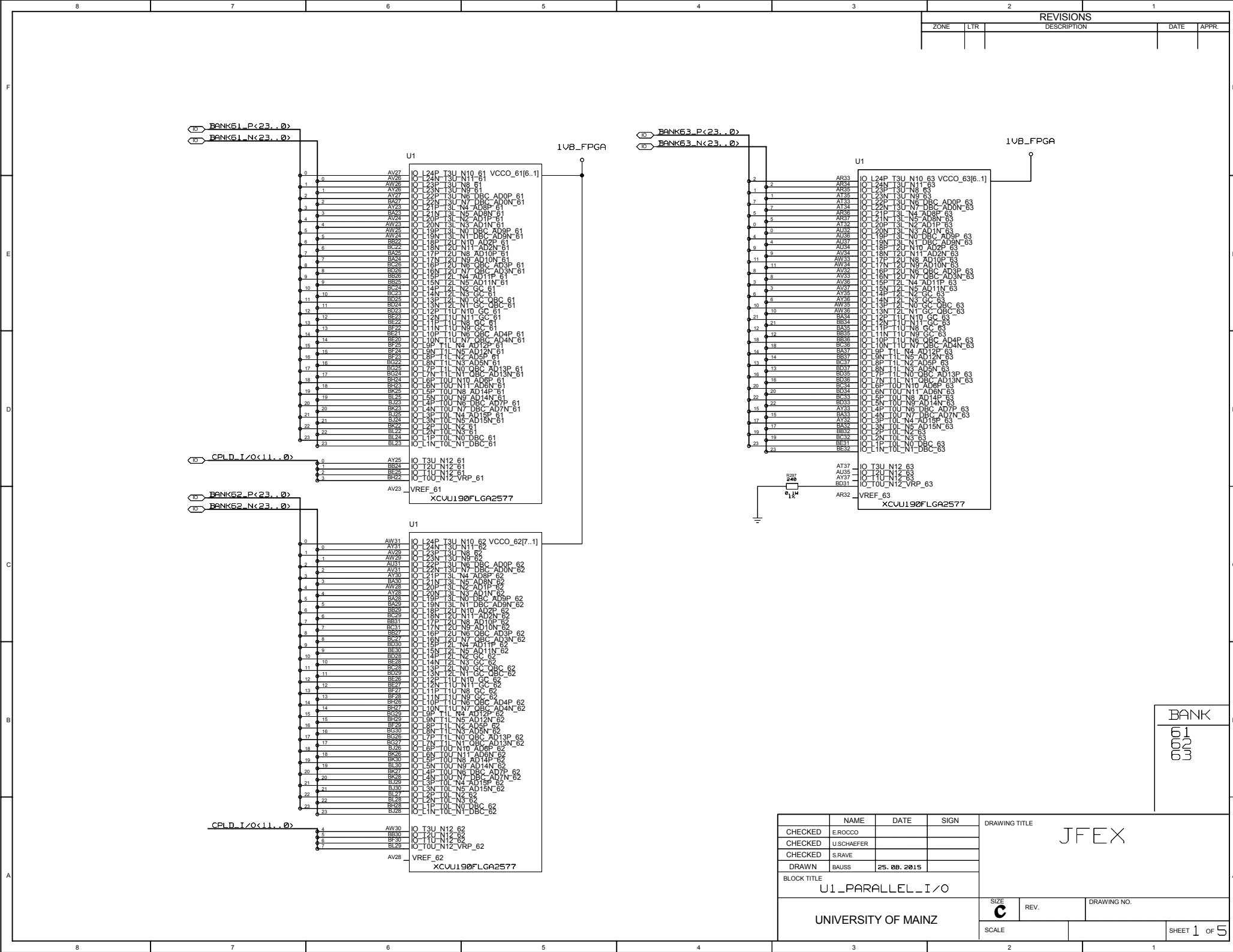
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

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



REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

	NAME	DATE	SIGN	DRAWING TITLE 		
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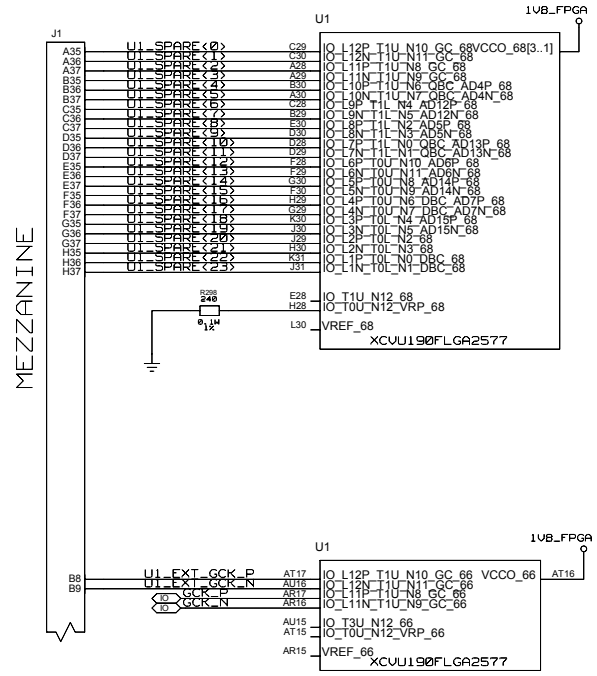


REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

BANK
01
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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	DRAWING NO.
				C	
				SCALE	
					SHEET 1 OF 5

[illegible]



REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

BANK
66
68

CHECKED	E.ROCCO	DATE	SIGN	DRAWING TITLE JFEX	
CHECKED	U.SCHAEFER				
CHECKED	S.RAVE				
DRAWN	BAUSS	25.08.2015			
BLOCK TITLE U1_PARALLEL_I/O				SIZE C	REV.
UNIVERSITY OF MAINZ				DRAWING NO.	
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REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPR.

BANK

67
70

U1

NAME	DATE	SIGN	DRAWING TITLE
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CHECKED U.SCHAEFER			
CHECKED S.RAVE			
DRAWN BAUSS	25.08.2015		

U1

SIZE	REV.	DRAWING NO.
C		

U1

SCALE	SHEET 4 OF 5

U1

NAME	DATE	SIGN	DRAWING TITLE
CHECKED E.ROCCO			JFEX
CHECKED U.SCHAEFER			
CHECKED S.RAVE			
DRAWN BAUSS	25.08.2015		

U1

SIZE	REV.	DRAWING NO.
C		

U1

SCALE	SHEET 4 OF 5

U1

NAME	DATE	SIGN	DRAWING TITLE
CHECKED E.ROCCO			JFEX
CHECKED U.SCHAEFER			
CHECKED S.RAVE			
DRAWN BAUSS	25.08.2015		

U1

SIZE	REV.	DRAWING NO.
C		

U1

SCALE	SHEET 4 OF 5

U1

NAME	DATE	SIGN	DRAWING TITLE
CHECKED E.ROCCO			JFEX
CHECKED U.SCHAEFER			
CHECKED S.RAVE			
DRAWN BAUSS	25.08.2015		

U1

SIZE	REV.	DRAWING NO.
C		

U1

SCALE	SHEET 4 OF 5

U1

NAME	DATE	SIGN	DRAWING TITLE
CHECKED E.ROCCO			JFEX
CHECKED U.SCHAEFER			
CHECKED S.RAVE			
DRAWN BAUSS	25.08.2015		

U1

SIZE	REV.	DRAWING NO.
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U1

SCALE	SHEET 4 OF 5

U1

NAME	DATE	SIGN	DRAWING TITLE
CHECKED E.ROCCO			JFEX
CHECKED U.SCHAEFER			
CHECKED S.RAVE			
DRAWN BAUSS	25.08.2015		

U1

SIZE	REV.	DRAWING NO.
C		

U1

SCALE	SHEET 4 OF 5

U1

NAME	DATE	SIGN	DRAWING TITLE
CHECKED E.ROCCO			JFEX
CHECKED U.SCHAEFER			
CHECKED S.RAVE			
DRAWN BAUSS	25.08.2015		

U1

SIZE	REV.	DRAWING NO.
C		

U1

SCALE	SHEET 4 OF 5

U1

NAME	DATE	SIGN	DRAWING TITLE
CHECKED E.ROCCO			JFEX
CHECKED U.SCHAEFER			
CHECKED S.RAVE			
DRAWN BAUSS	25.08.2015		

U1

SIZE	REV.	DRAWING NO.
C		

U1

SCALE	SHEET 4 OF 5

U1

NAME	DATE	SIGN	DRAWING TITLE
CHECKED E.ROCCO			JFEX
CHECKED U.SCHAEFER			
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DRAWN BAUSS	25.08.2015		

U1

SIZE	REV.	DRAWING NO.
C		

U1

SCALE	SHEET 4 OF 5

U1

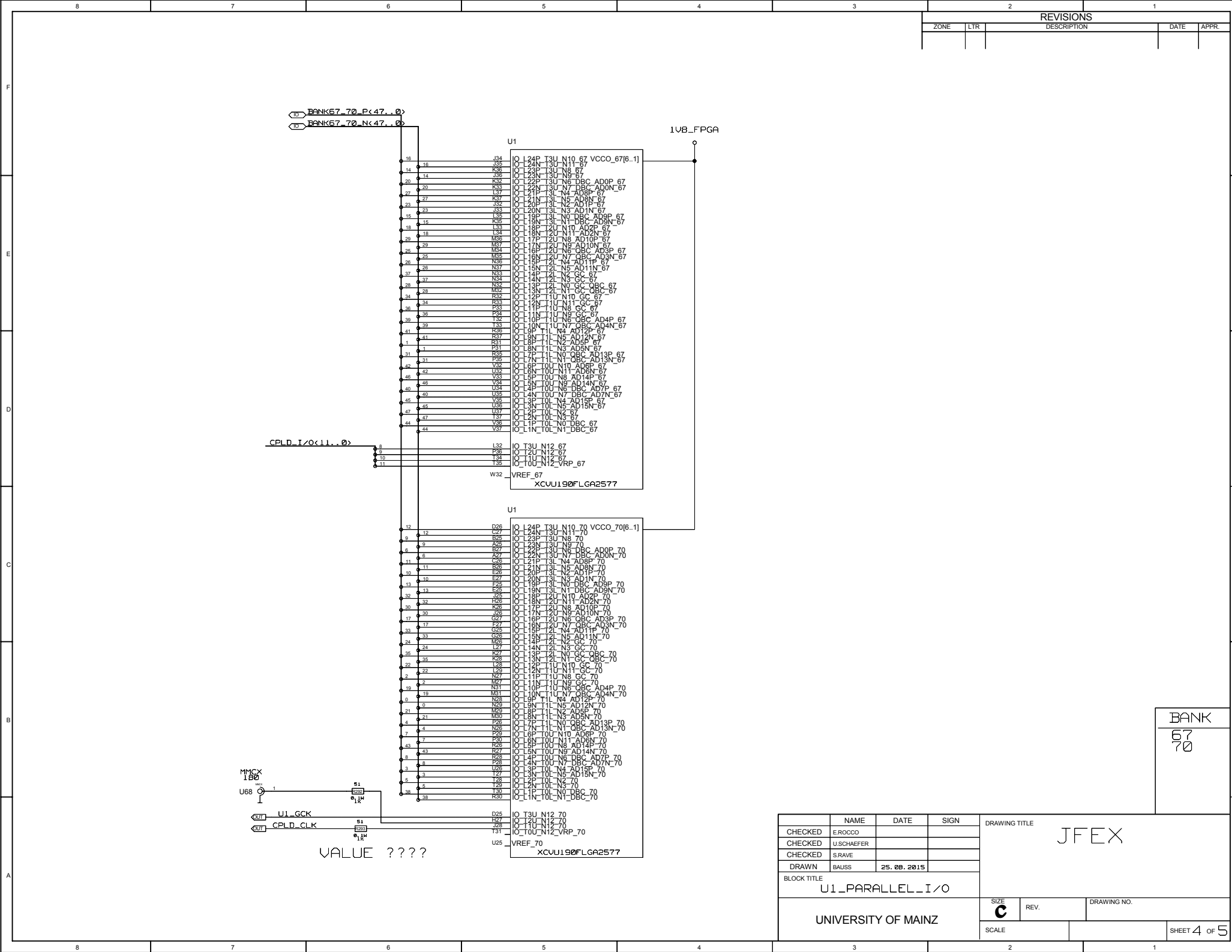
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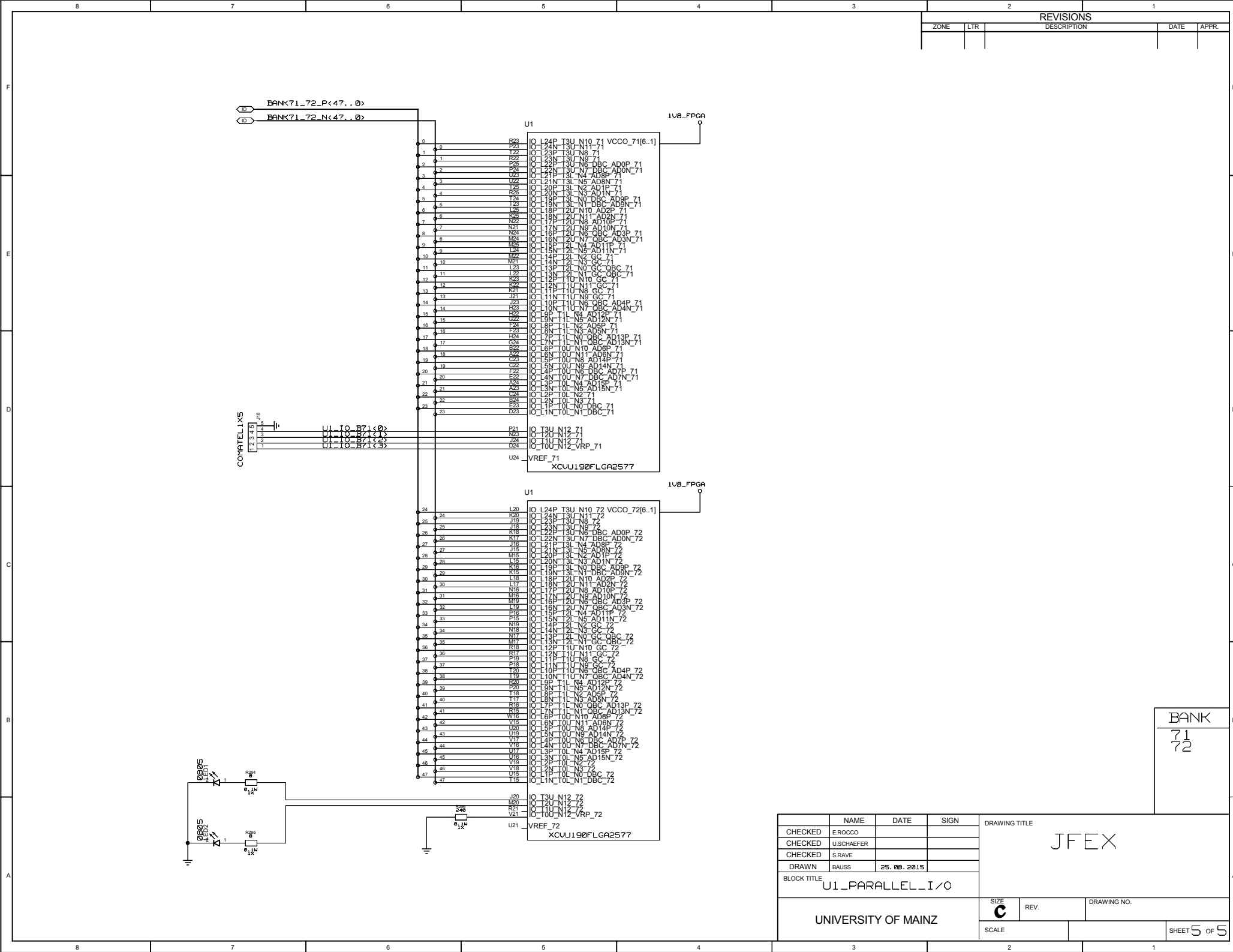
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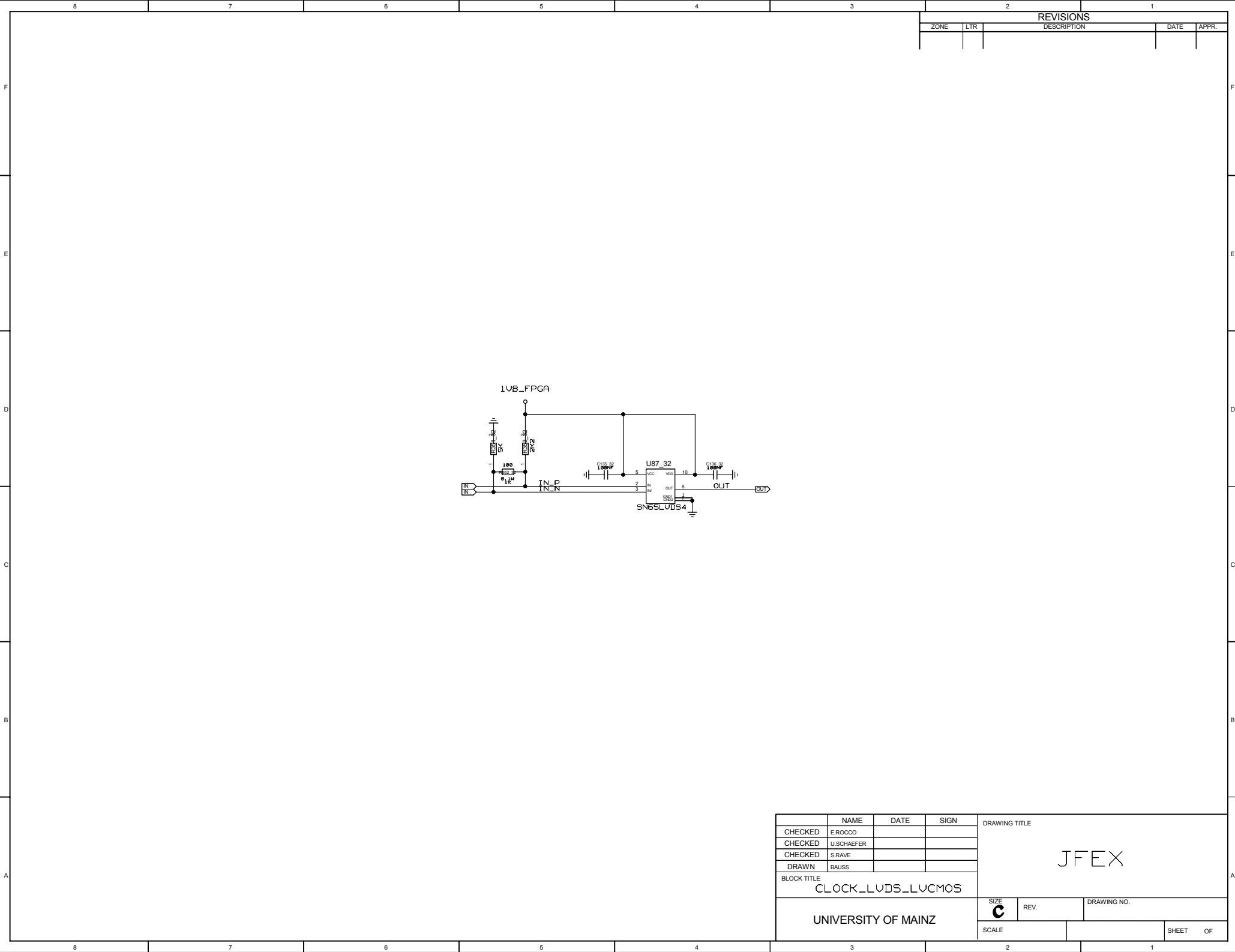
SIZE	REV.	DRAWING NO.
C		

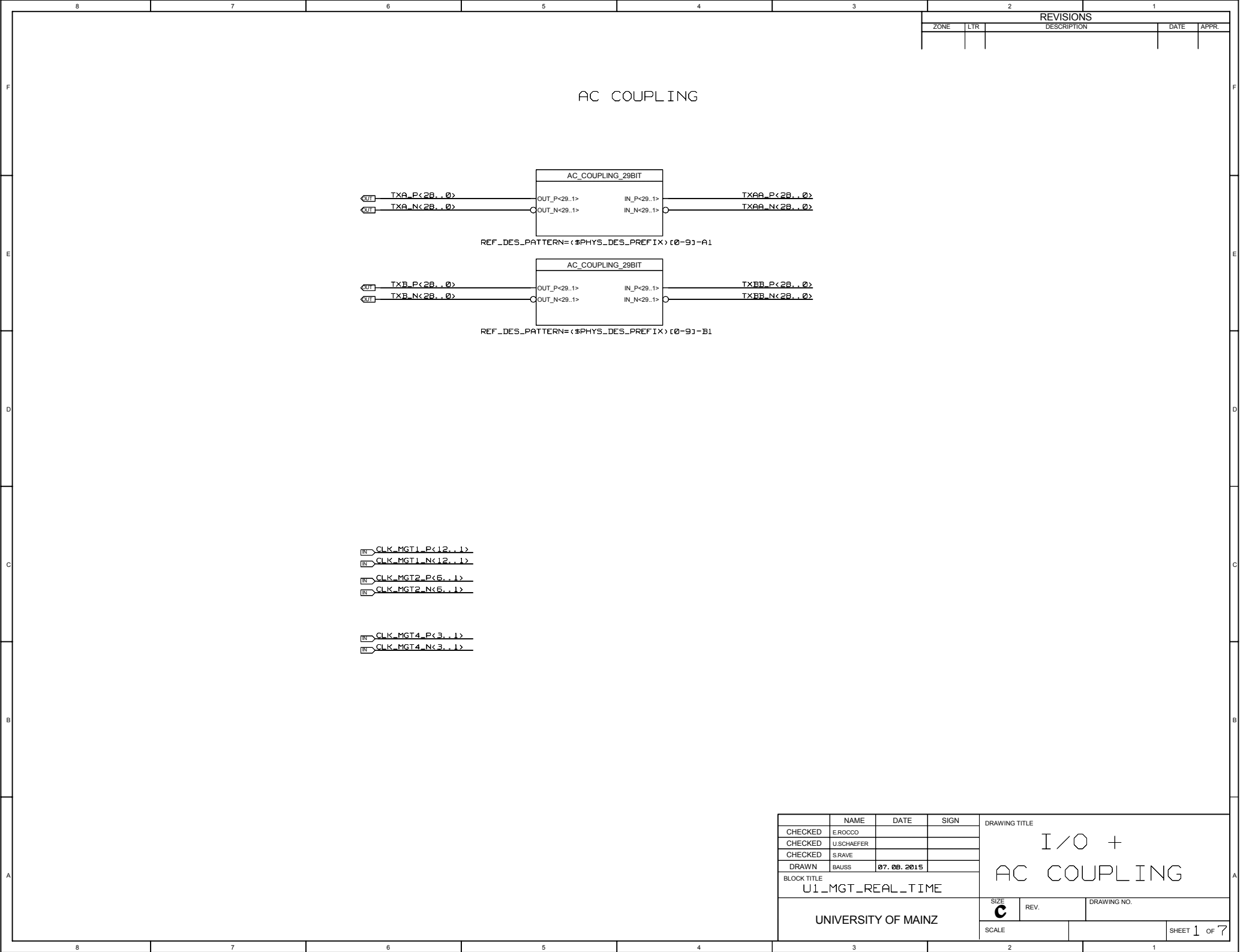
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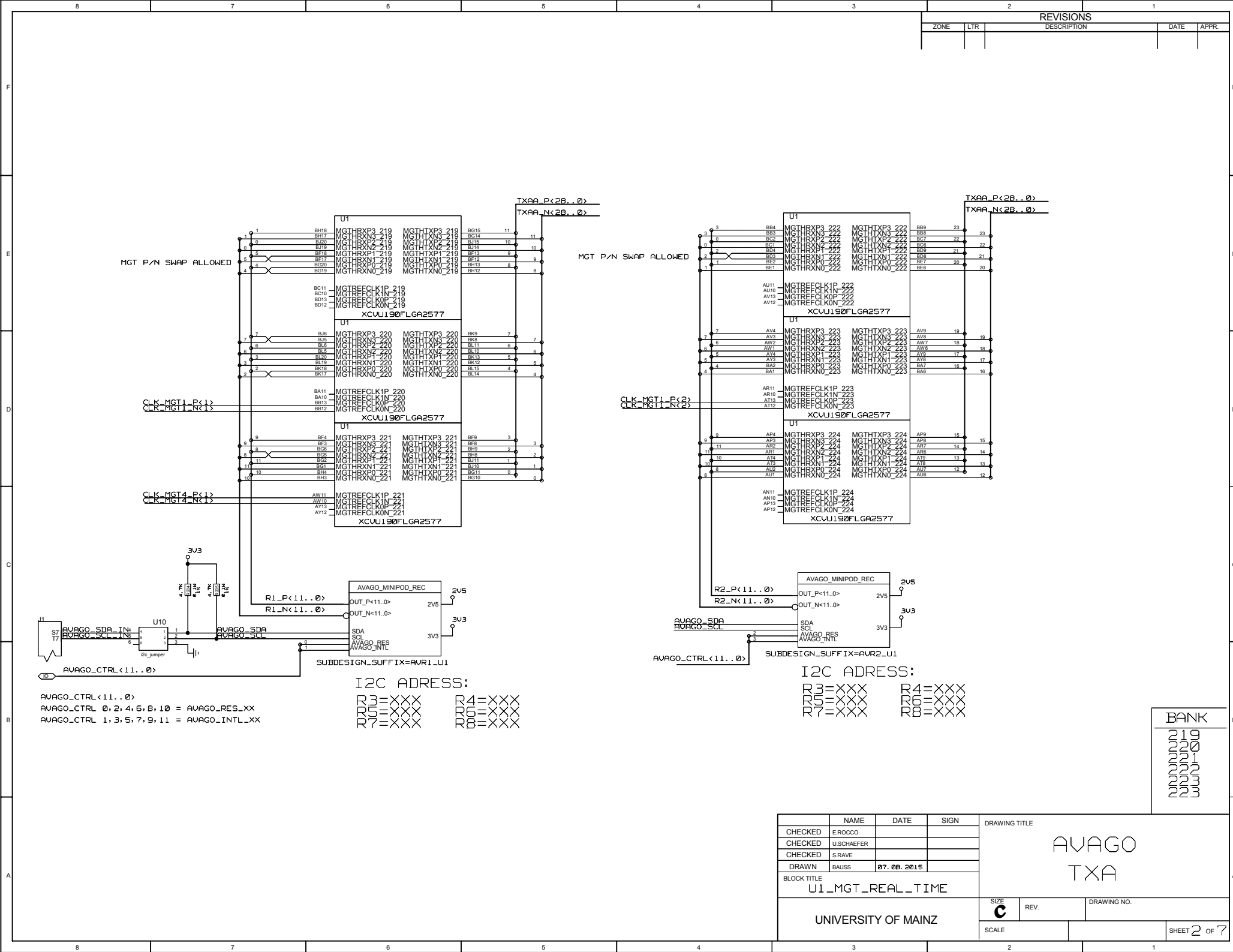
SCALE	SHEET 4 OF 5
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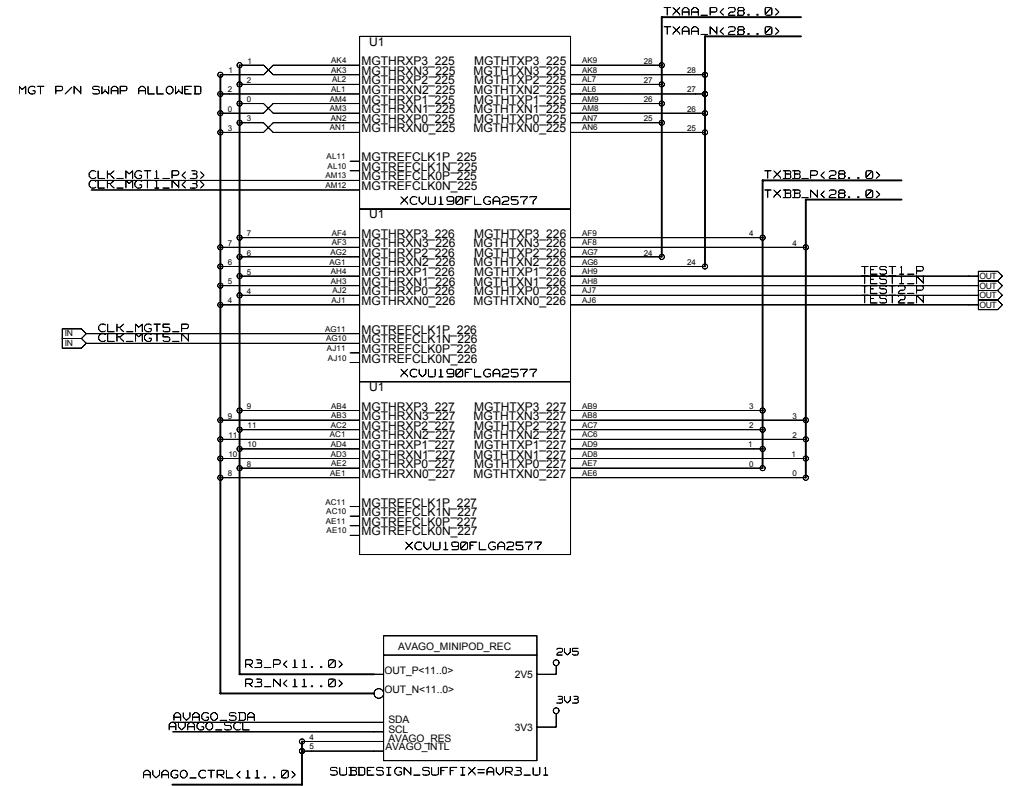








REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

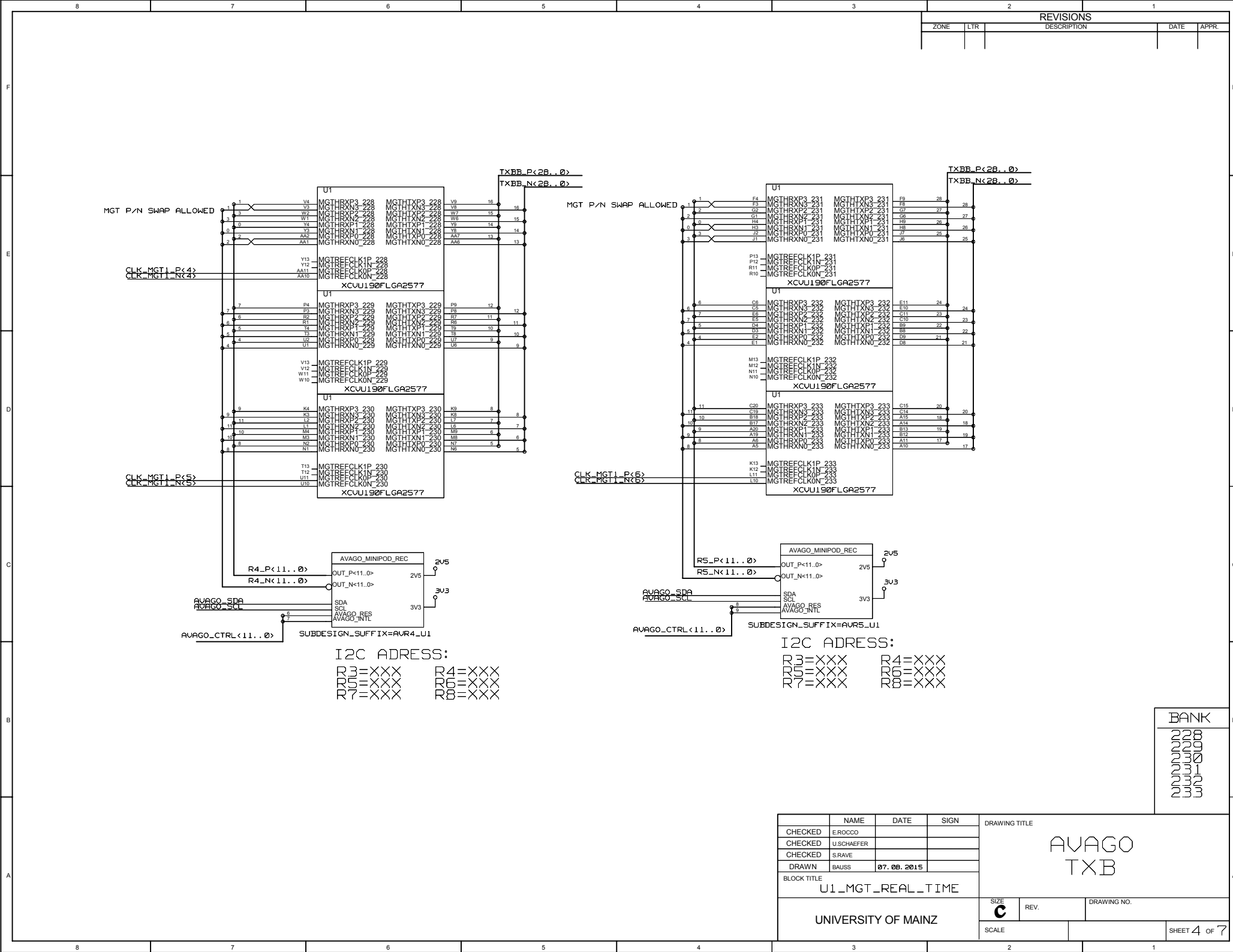


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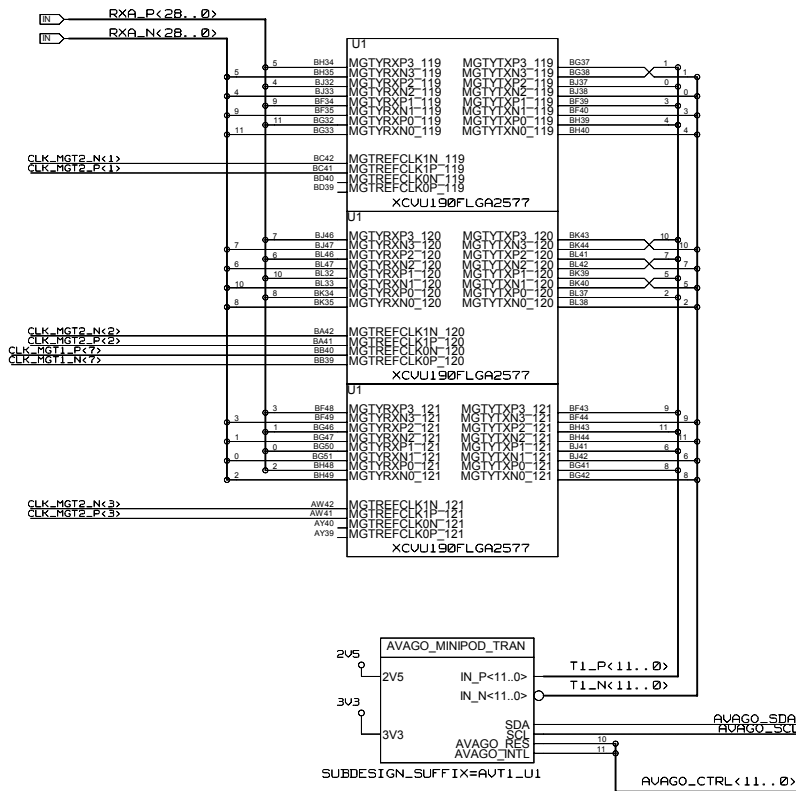
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R5=XXXX R6=XXXX
R7=XXXX R8=XXXX

BANK
2005
2006
2007
2008
2009

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				U1_MGT_REAL_TIME	
UNIVERSITY OF MAINZ				SIZE C	REV.
				SCALE	DRAWING NO.
				SHEET 3 OF 7	

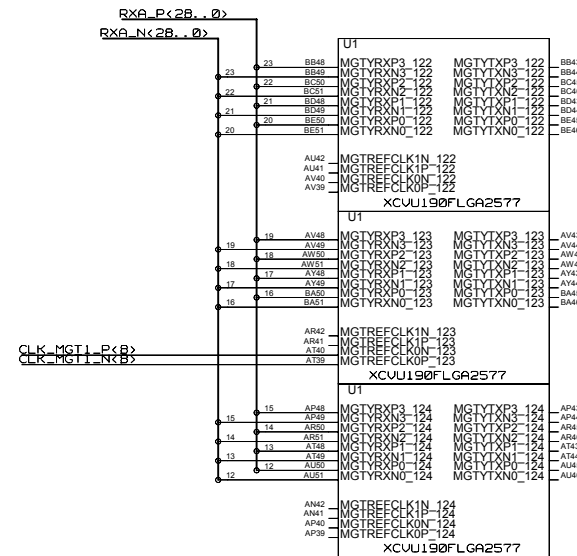


REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



I2C ADDRESS:

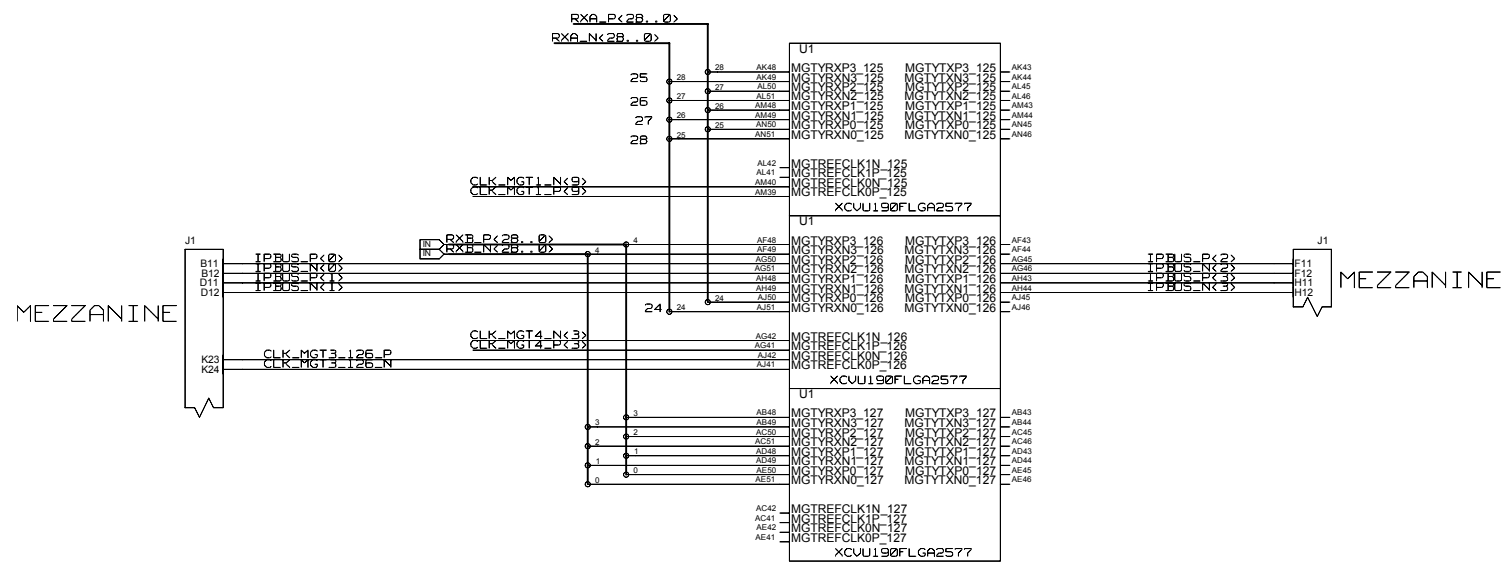
R3=XXX R4=XXX
R5=XXX R6=XXX
R7=XXX R8=XXX



BANK
1
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12
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14

CHECKED	NAME	DATE	SIGN	DRAWING TITLE	
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CHECKED	U.SCHAEFER				
CHECKED	S.RAVE				
DRAWN	BAUSS	07.08.2015			
BLOCK TITLE				U1_MGT_REAL_TIME	
UNIVERSITY OF MAINZ				SIZE C	REV.
				SCALE	DRAWING NO.
					SHEET 5 OF 7

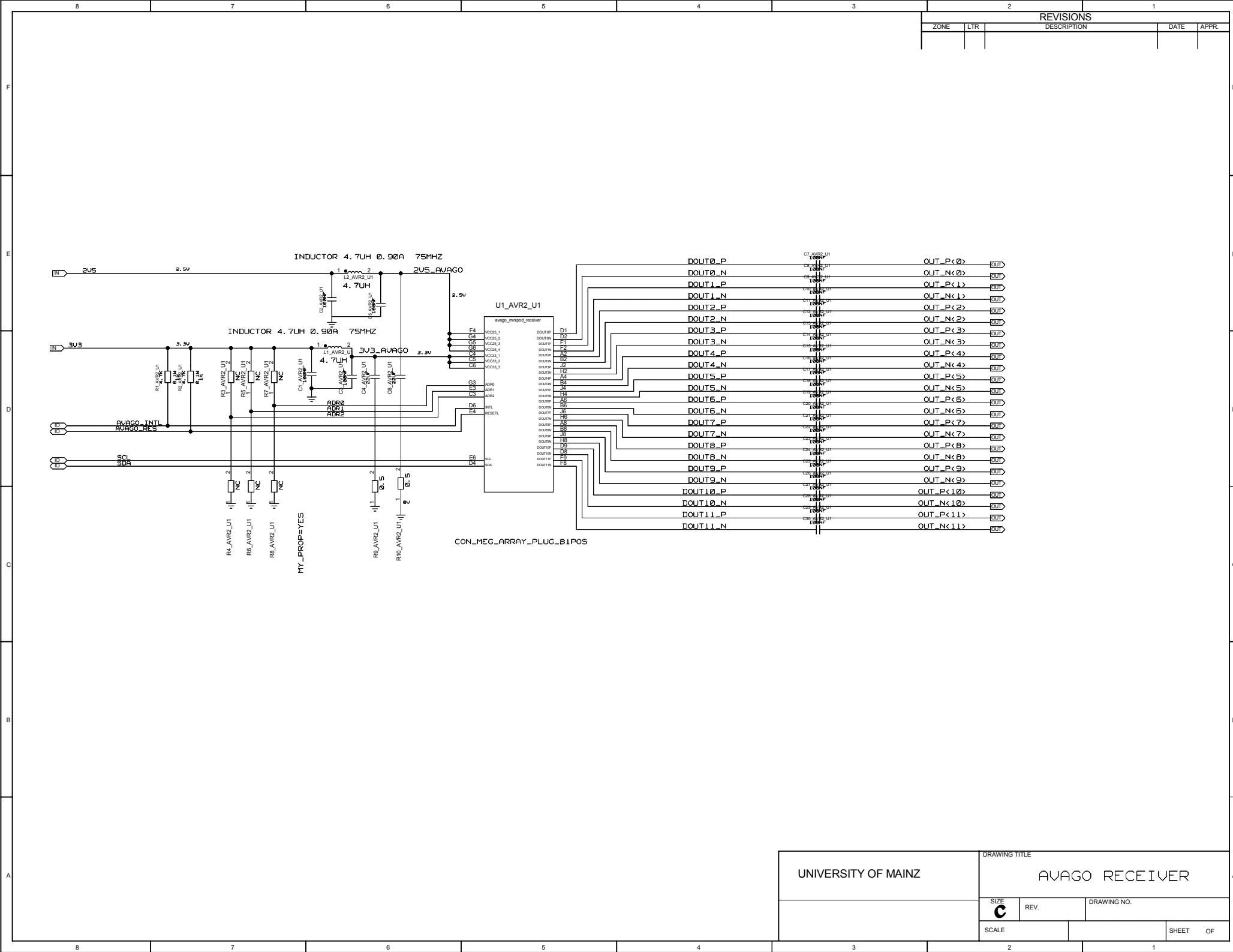
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ZONE	LTR	DESCRIPTION	DATE	APPR.

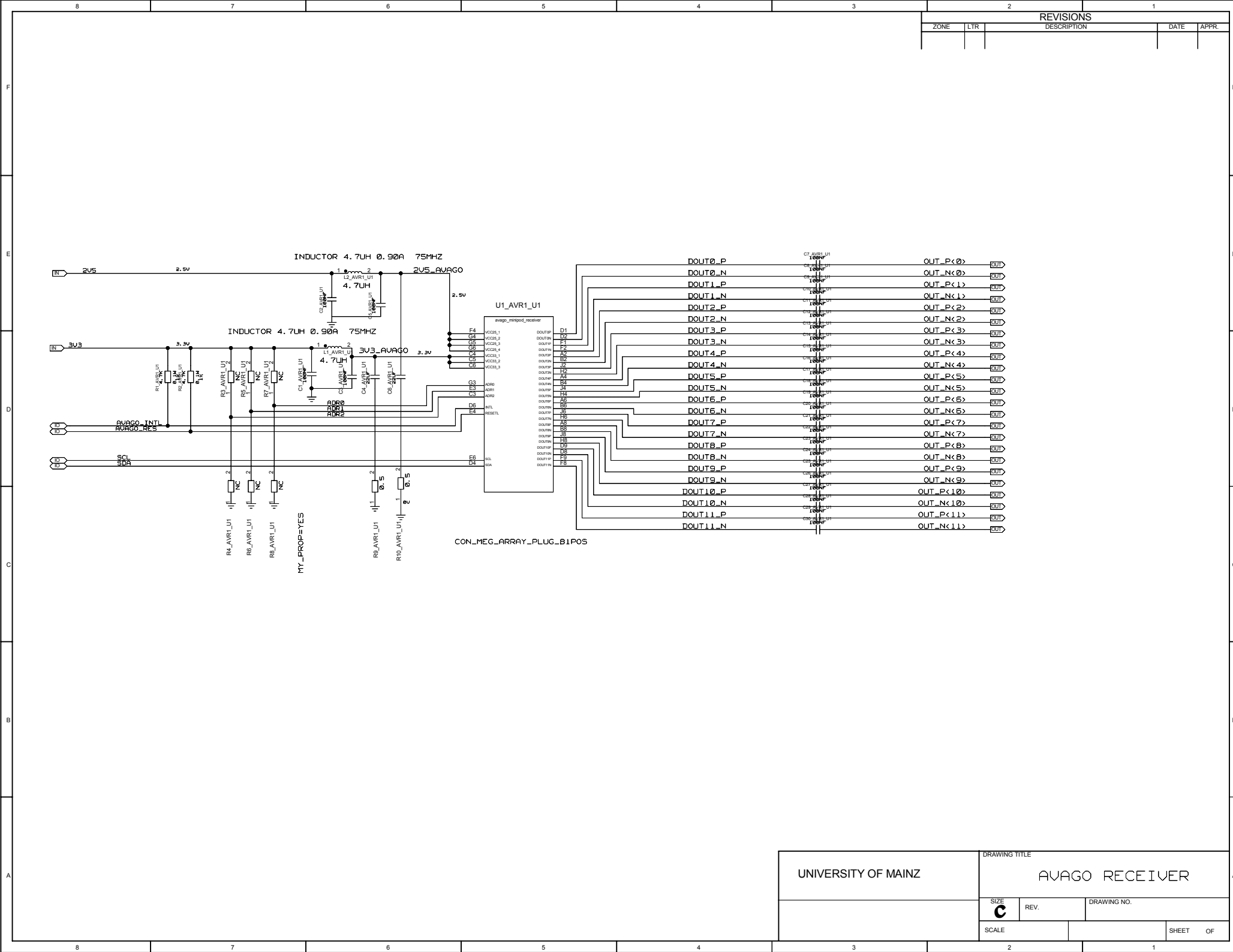


BANK
125
126
127

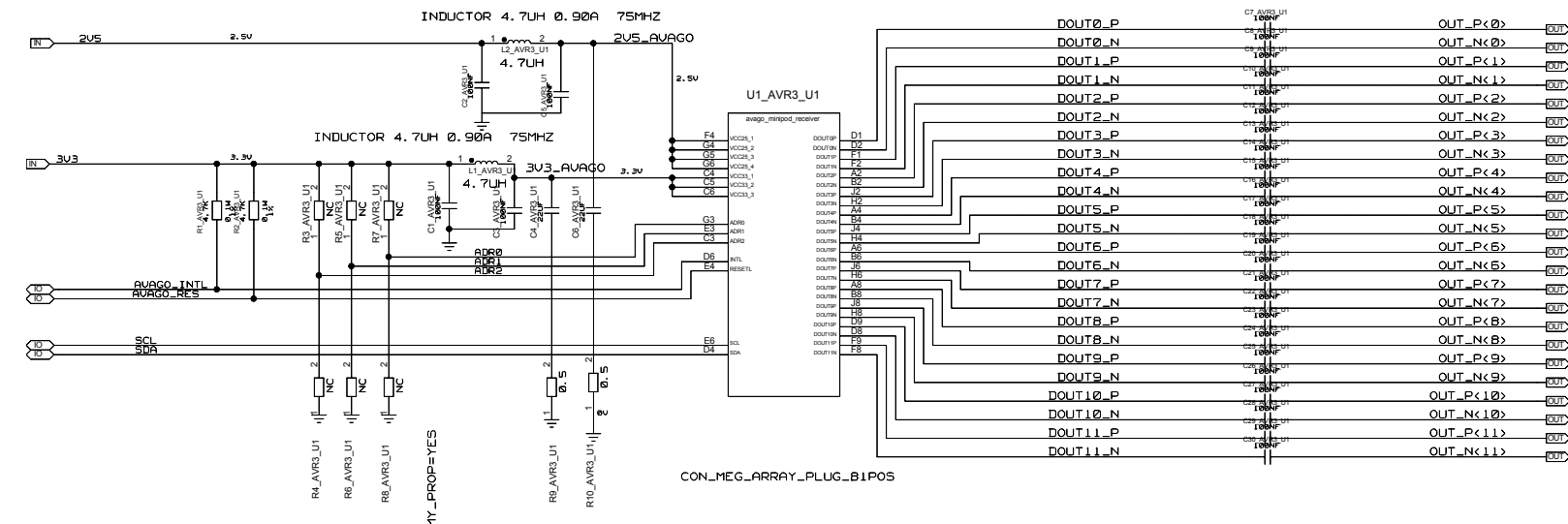
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CHECKED	U.SCHAEFER			
CHECKED	S.RAVE			
DRAWN	BAUSS	07.08.2015		
BLOCK TITLE				UNIVERSITY OF MAINZ
SIZE		REV.	DRAWING NO.	
SCALE			SHEET 6 OF 7	

RXA + RXB
TXD + IPBUS

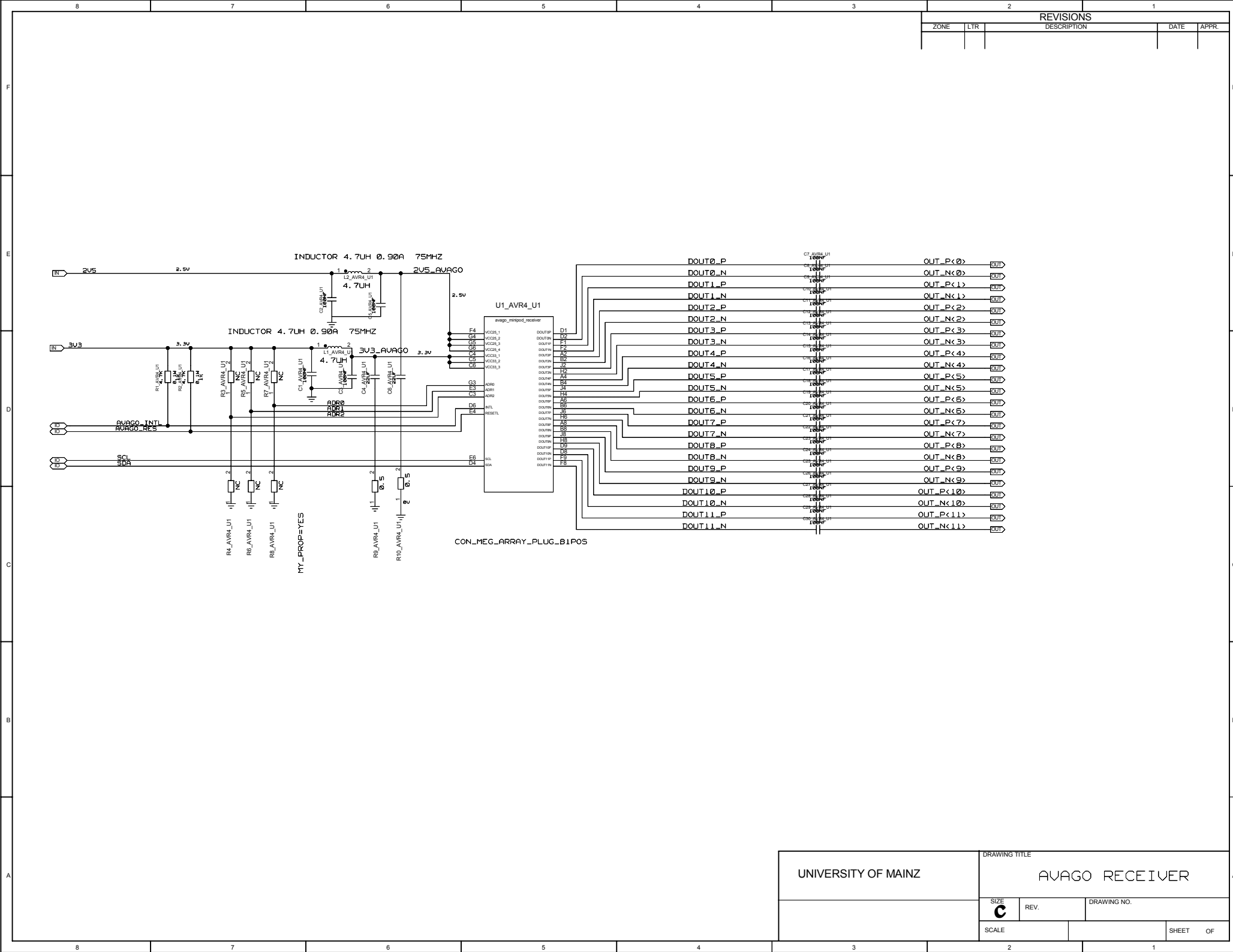


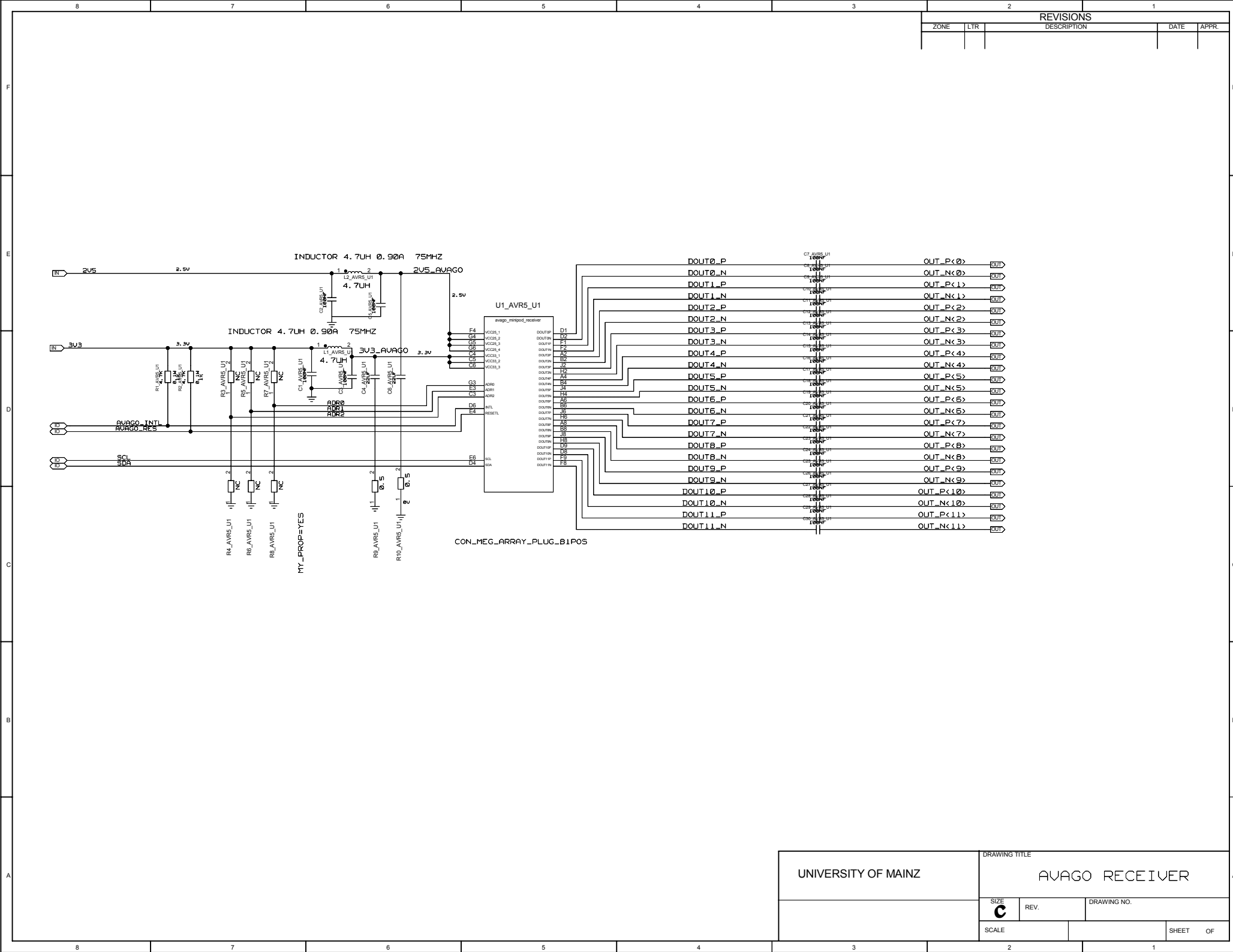


REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

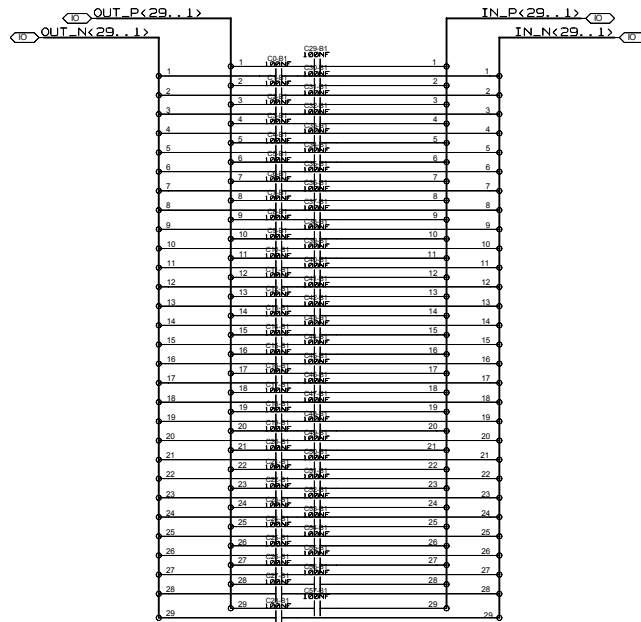


UNIVERSITY OF MAINZ		DRAWING TITLE	
		AVAGO RECEIVER	
SIZE	REV.	DRAWING NO.	
C			
SCALE			SHEET OF



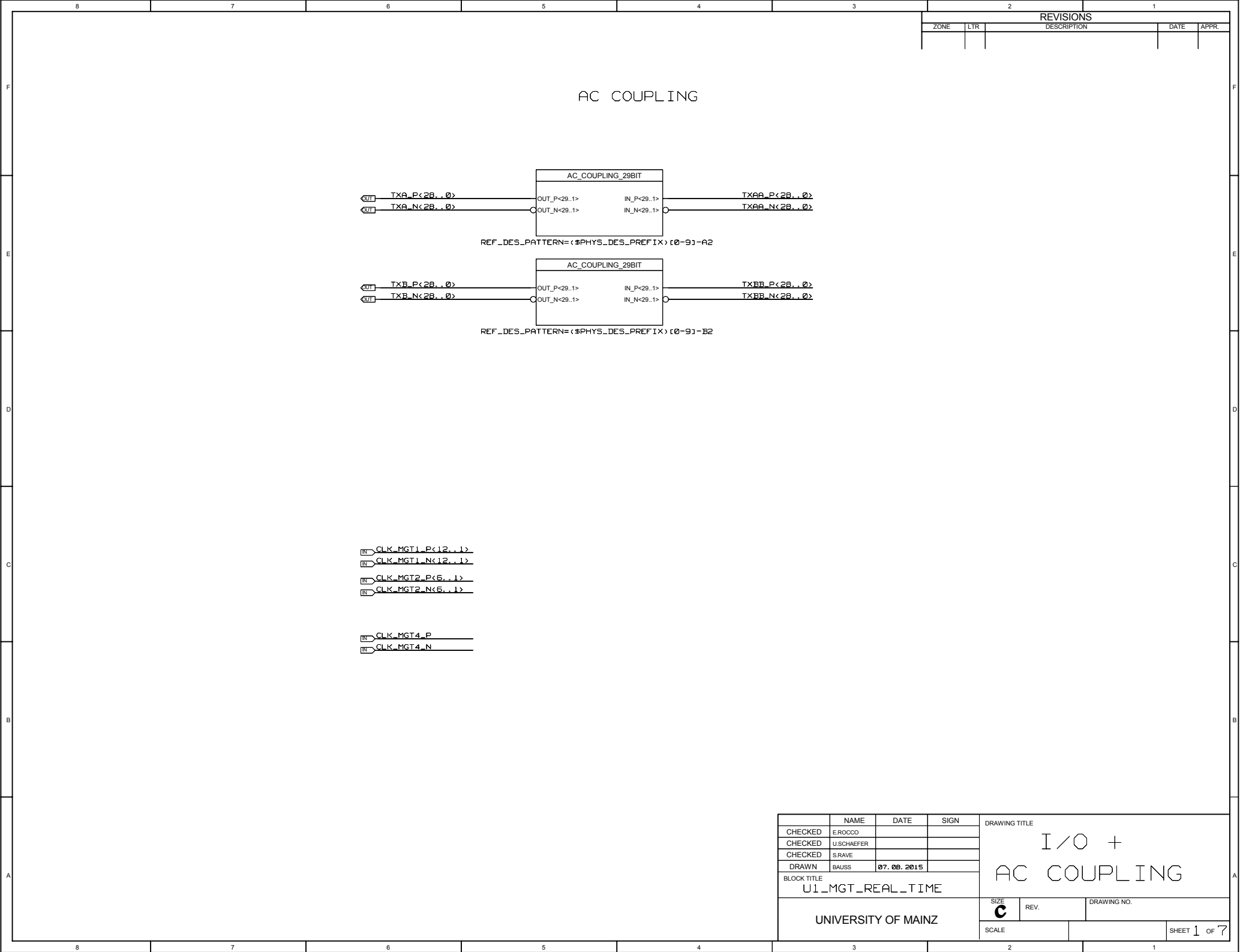


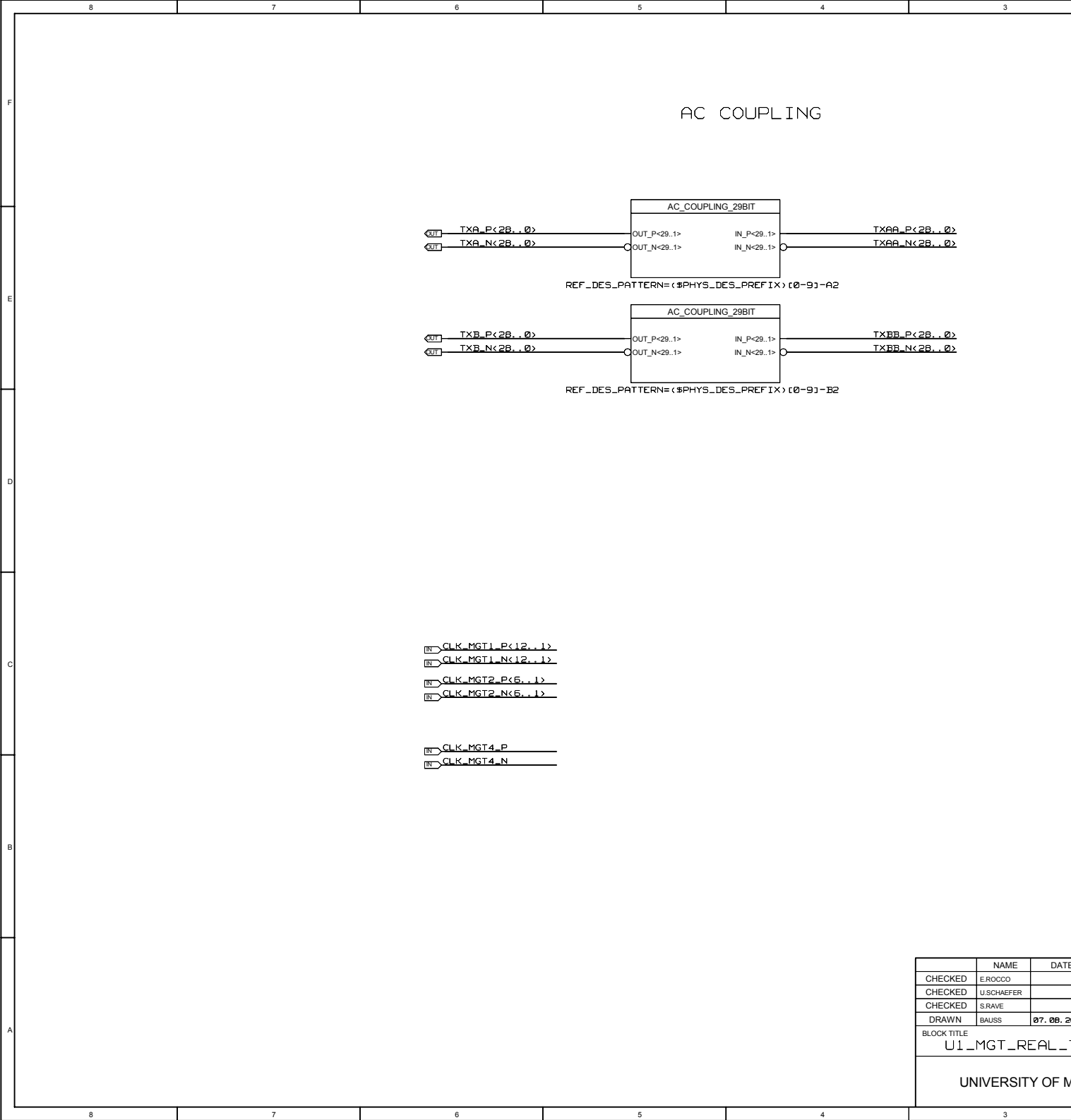
UNIVERSITY OF MAINZ		DRAWING TITLE	
		AVAGO RECEIVER	
SIZE	REV.	DRAWING NO.	
C			
SCALE		SHEET OF	

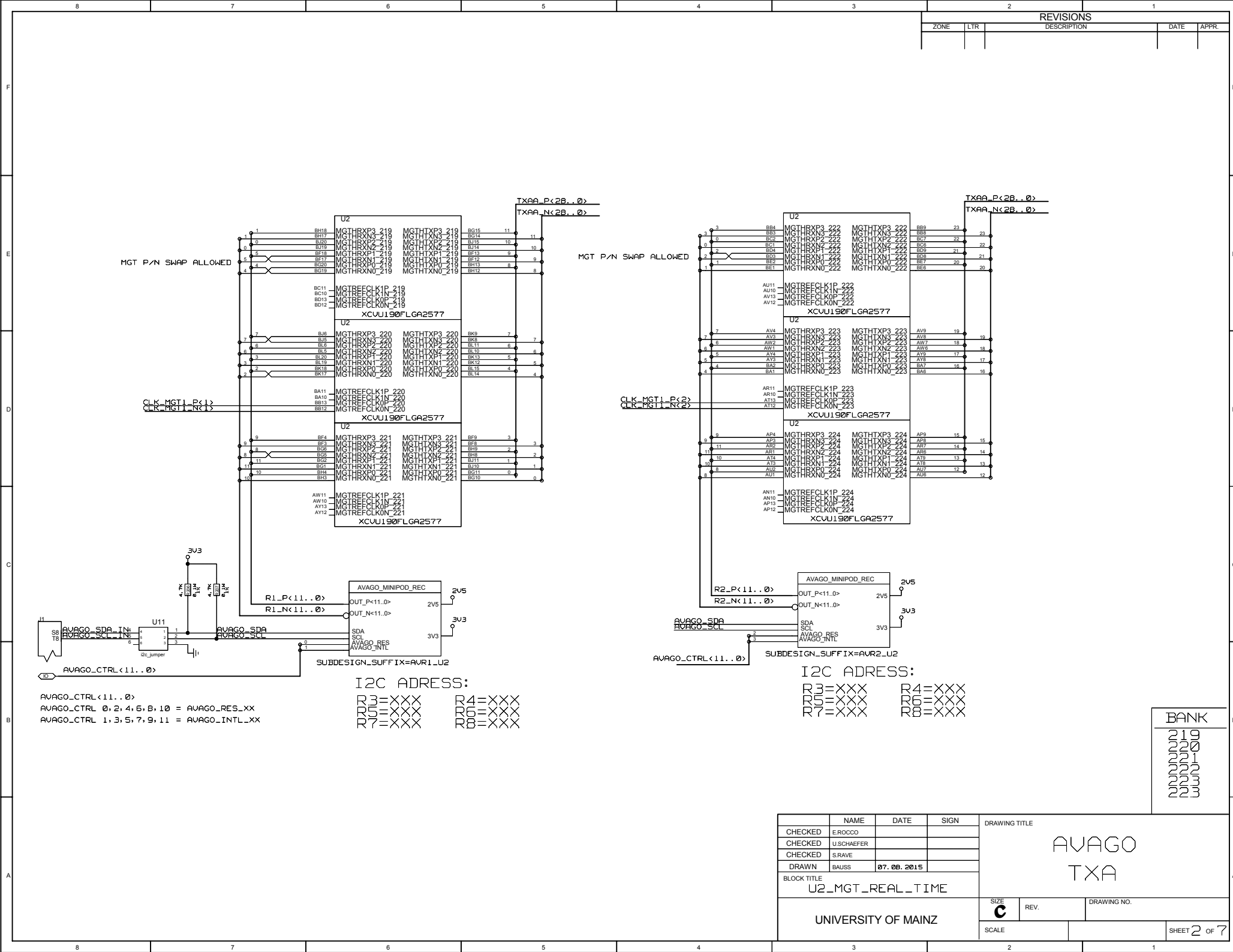


REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

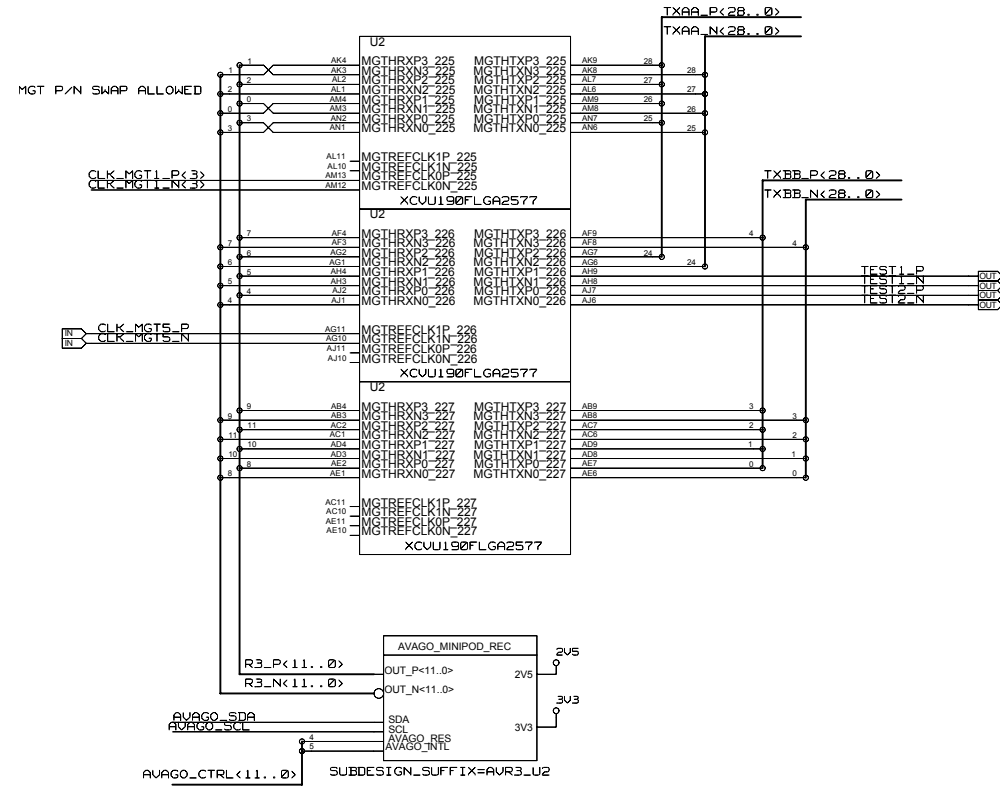
CHECKED	E.ROCCO	DATE	SIGN	DRAWING TITLE AC COUPLING 29BIT	
CHECKED	U.SCHAEFER				
CHECKED	S.RAVE				
DRAWN	BAUSS				
BLOCK TITLE				SIZE C	REV.
UNIVERSITY OF MAINZ				DRAWING NO.	
				SCALE	SHEET OF



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REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

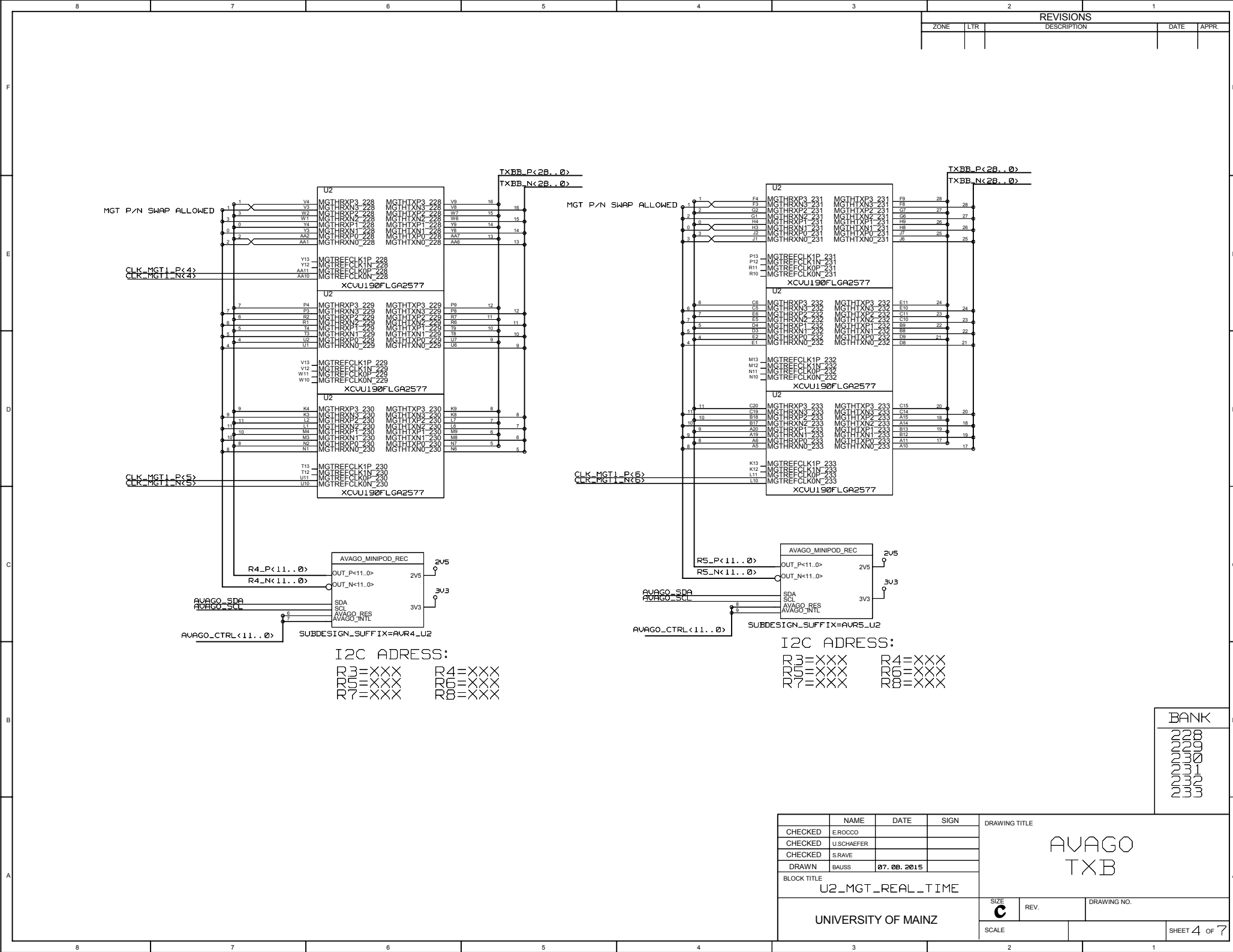


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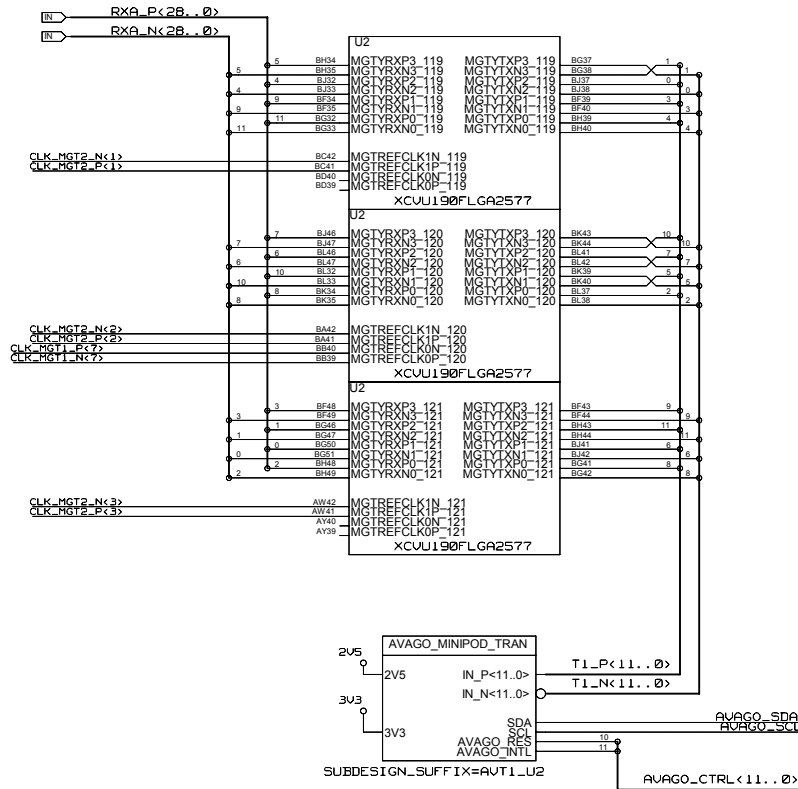
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R5=XXXX R6=XXXX
R7=XXXX R8=XXXX

BANK
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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 C	REV.
				SCALE	DRAWING NO.
					SHEET 3 OF 7

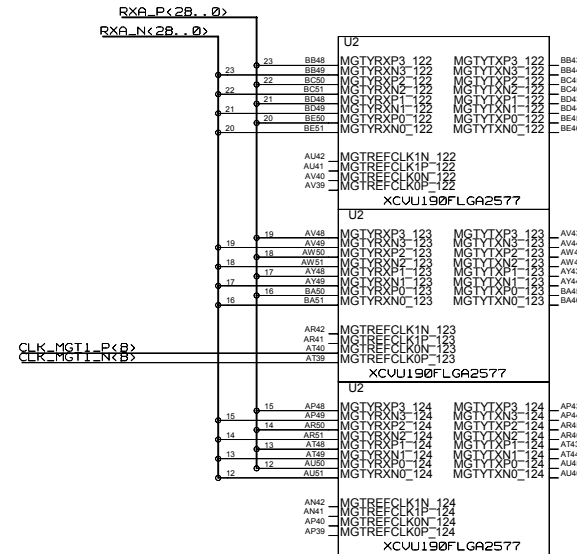


REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



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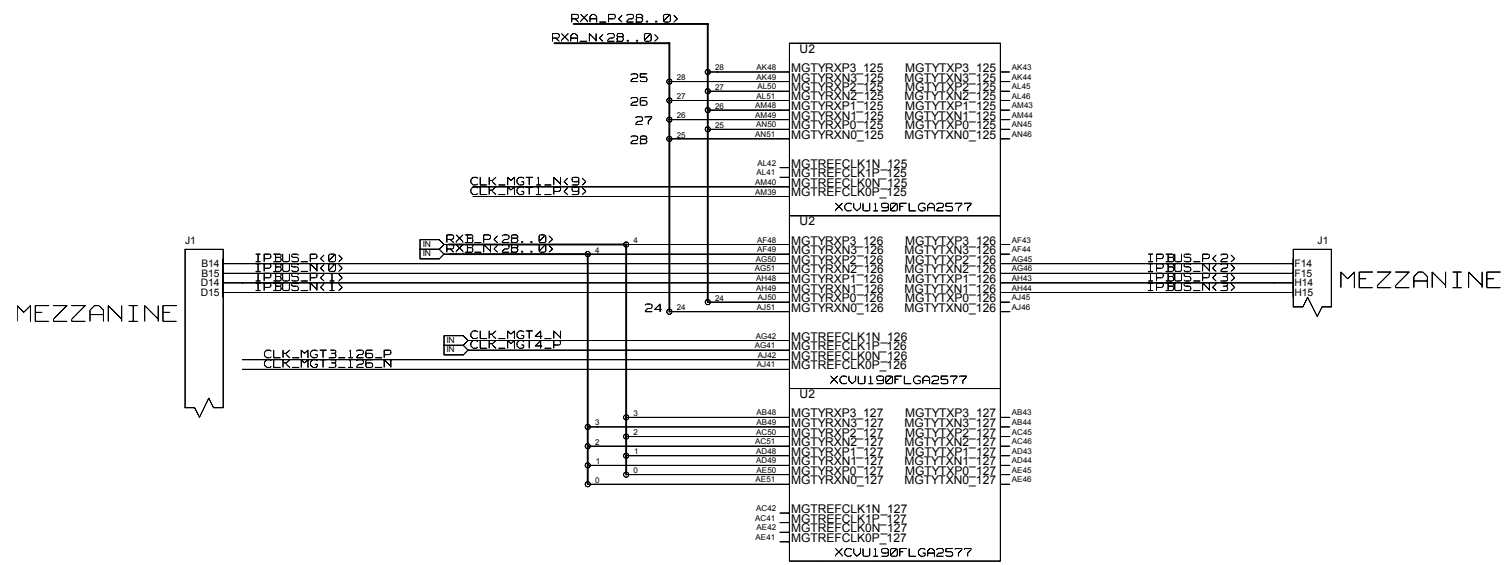
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R5=XXX R6=XXX
R7=XXX R8=XXX



BANK
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CHECKED	NAME	DATE	SIGN	DRAWING TITLE	
	E.ROCCO			AVAGO RXA	
	U.SCHAEFER				
	S.RAVE				
	BAUSS	07.08.2015			
BLOCK TITLE				U2_MGT_REAL_TIME	
UNIVERSITY OF MAINZ				SIZE C	REV.
				SCALE	DRAWING NO.
				SHEET 5 OF 7	

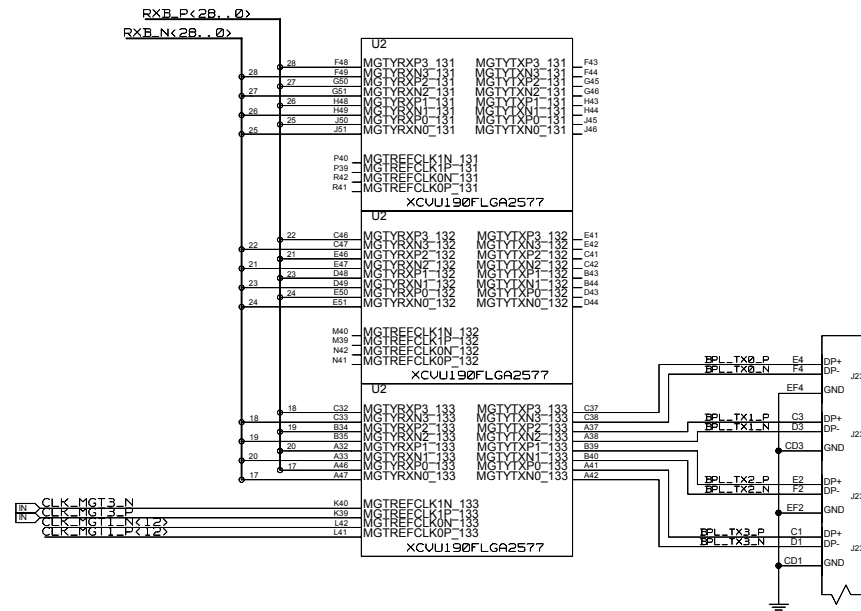
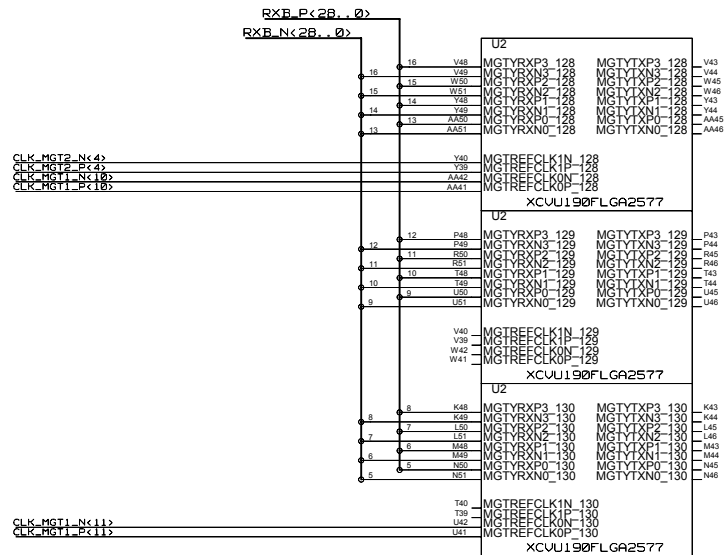
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



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

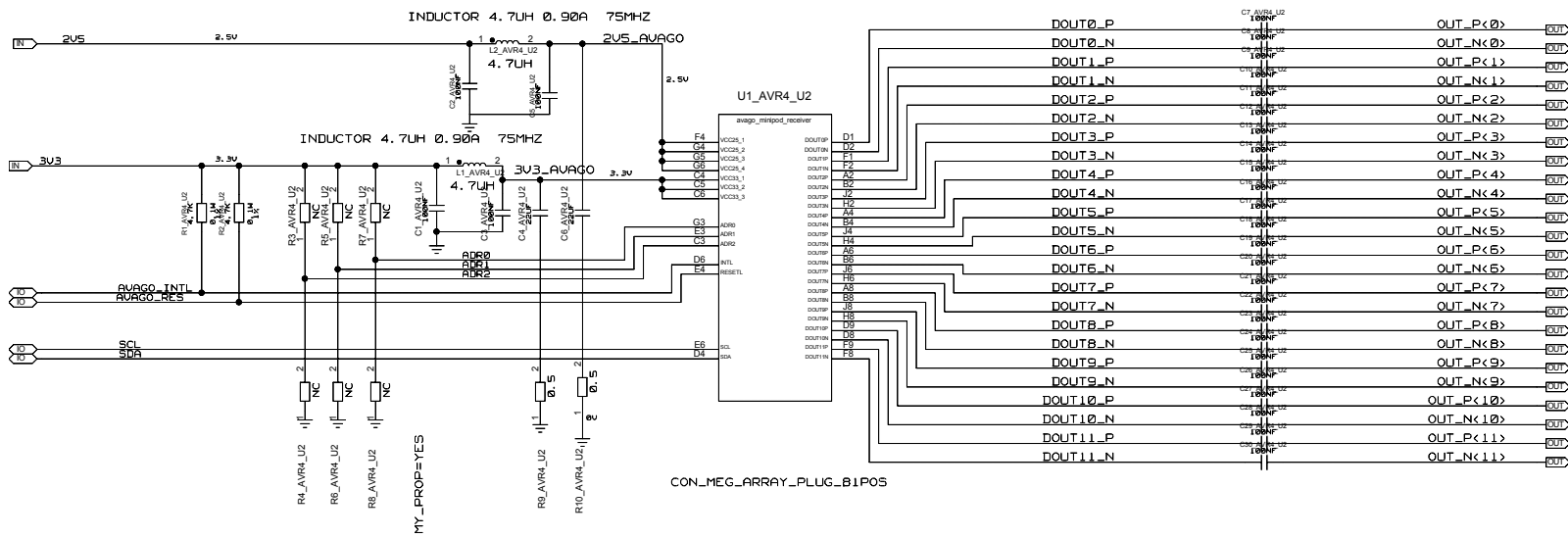
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ZONE	LTR	DESCRIPTION	DATE	APPR.



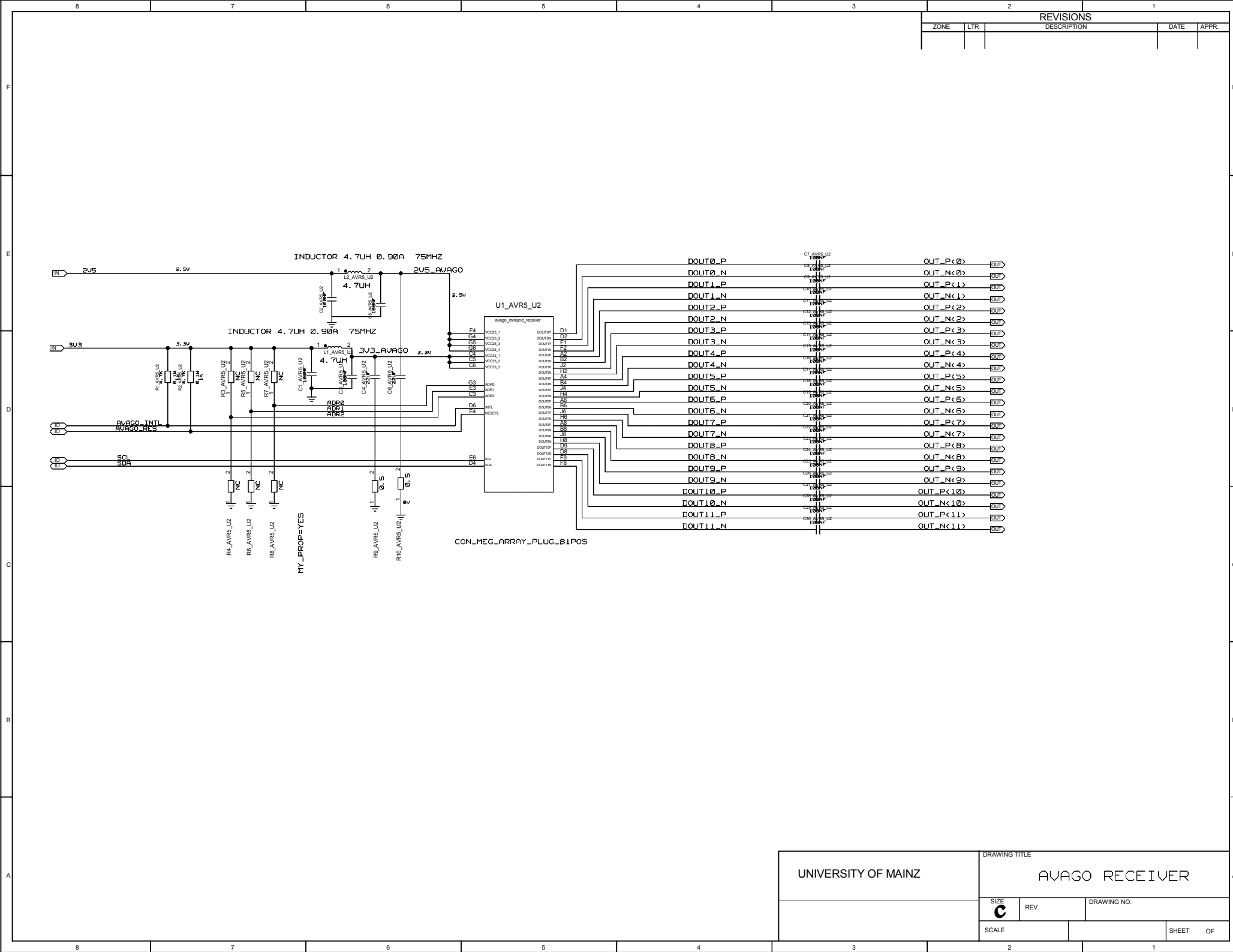
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CHECKED	NAME	DATE	SIGN	DRAWING TITLE	
	E.ROCCO			RXB + TXC	
	U.SCHAEFER				
	S.RAVE				
	BAUSS	07.08.2015			
BLOCK TITLE				U2_MGT_REAL_TIME	
UNIVERSITY OF MAINZ				SIZE C	REV.
				SCALE	DRAWING NO.
				SHEET 7 OF 7	

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

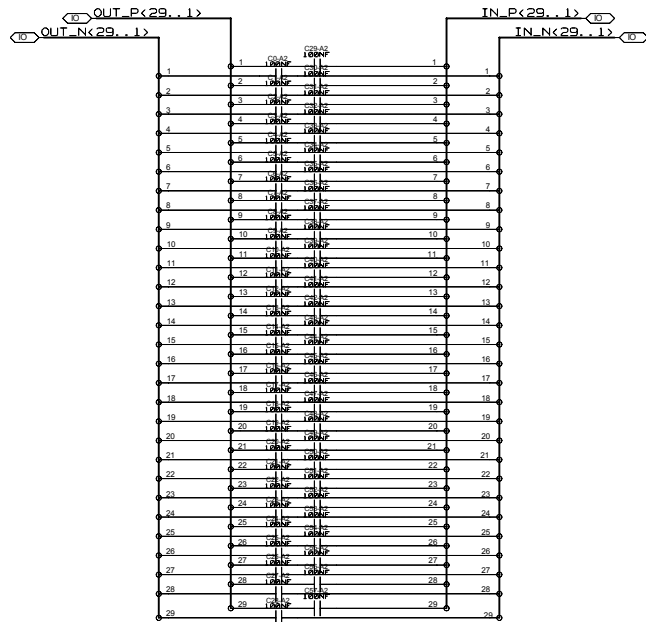


UNIVERSITY OF MAINZ		DRAWING TITLE	
		AVAGO RECEIVER	
SIZE	REV.	DRAWING NO.	
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SCALE			SHEET OF



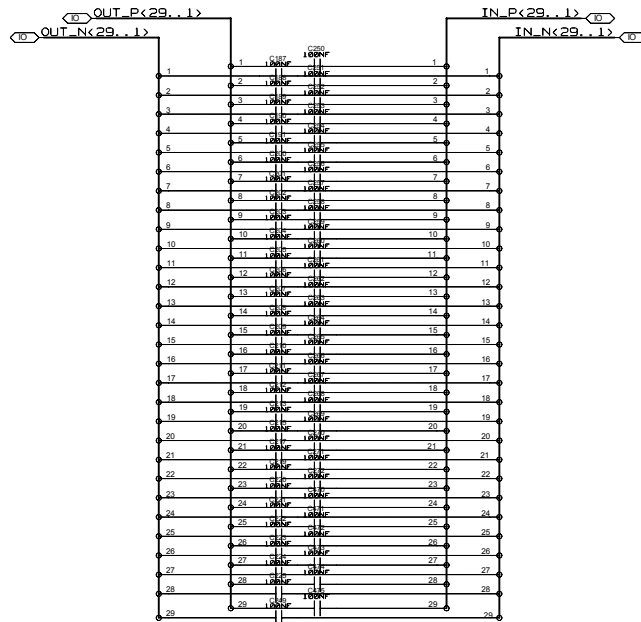
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

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



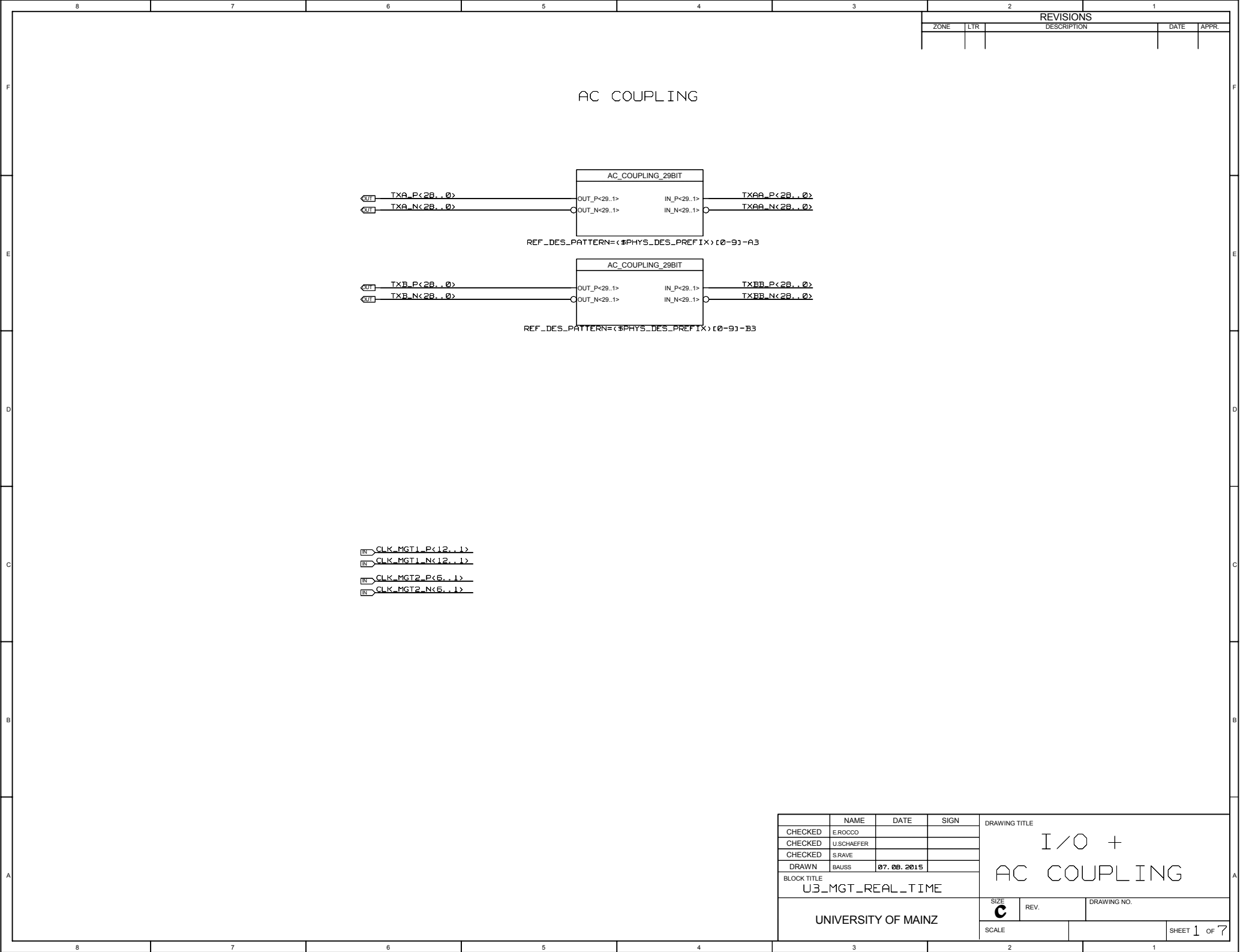
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ZONE	LTR	DESCRIPTION	DATE	APPR.

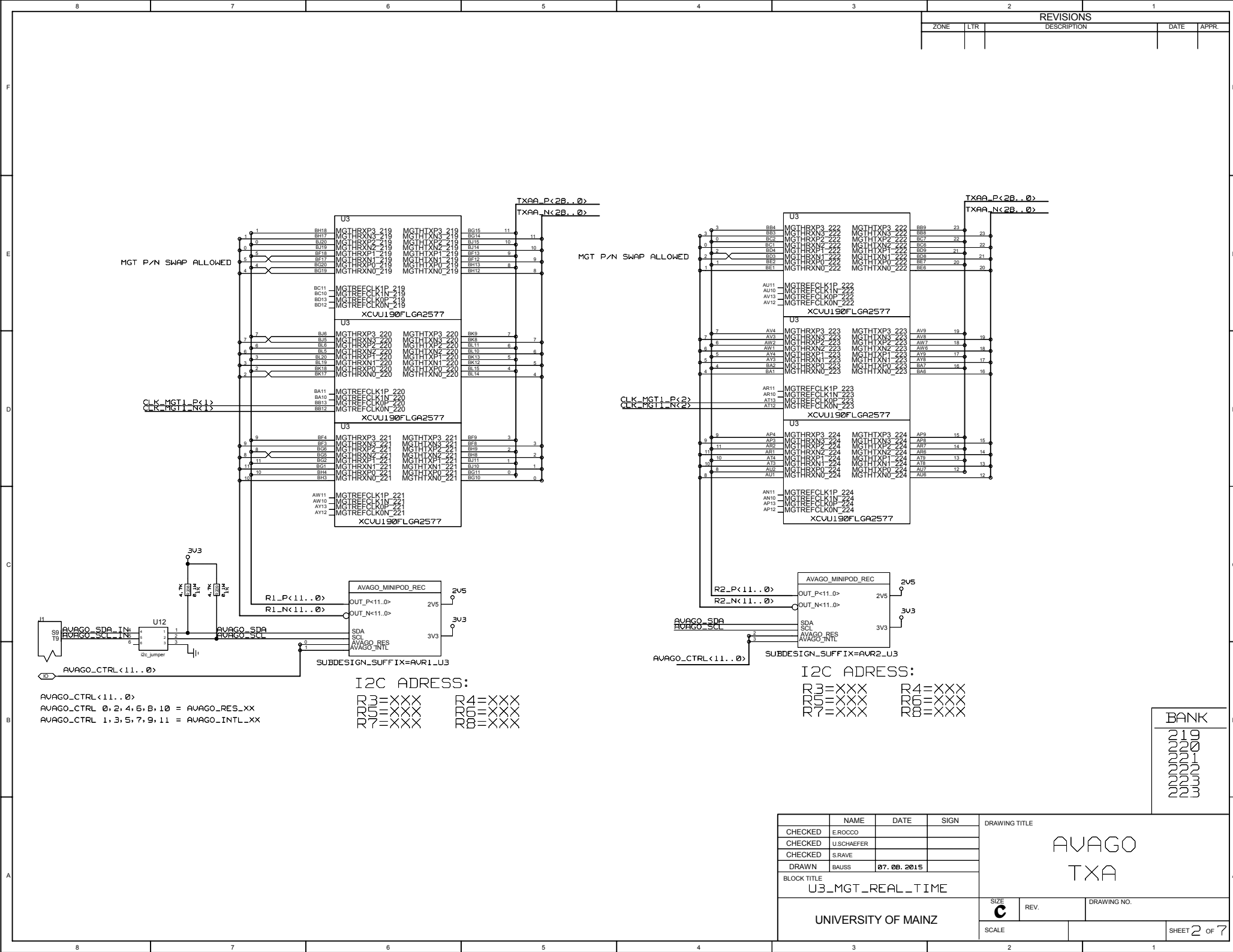
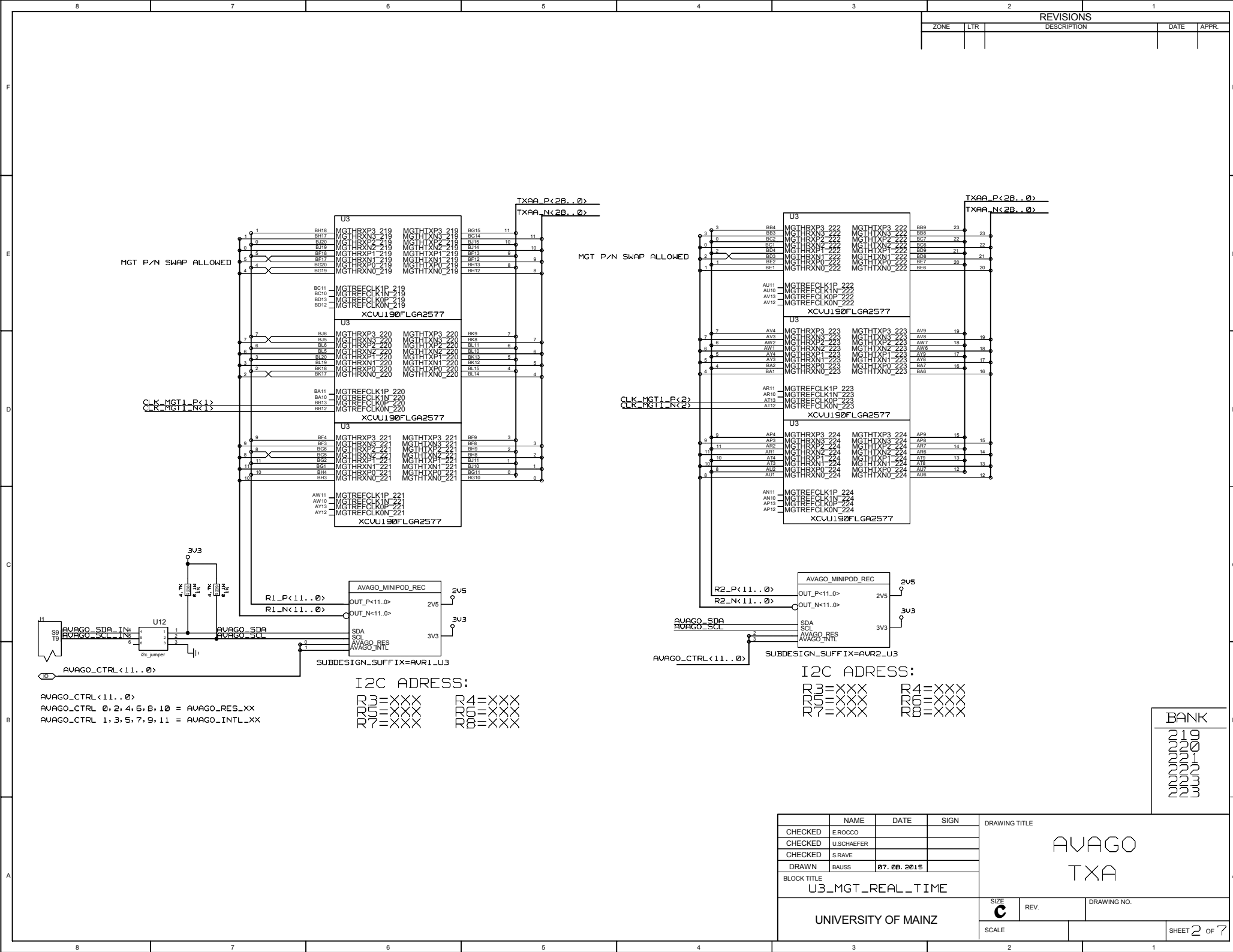
CHECKED	E.ROCCO	DATE	SIGN	DRAWING TITLE AC COUPLING 29BIT	
CHECKED	U.SCHAEFER				
CHECKED	S.RAVE				
DRAWN	BAUSS				
BLOCK TITLE				SIZE C	REV.
UNIVERSITY OF MAINZ				DRAWING NO.	
				SCALE	SHEET OF



REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

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



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REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPR.

I2C ADDRESS:

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

DRAWING TITLE

AVAGO
TXA

BANK

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CHECKED E.ROCCO
CHECKED U.SCHAEFER
CHECKED S.RAVE
DRAWN BAUSS **07.08.2015**

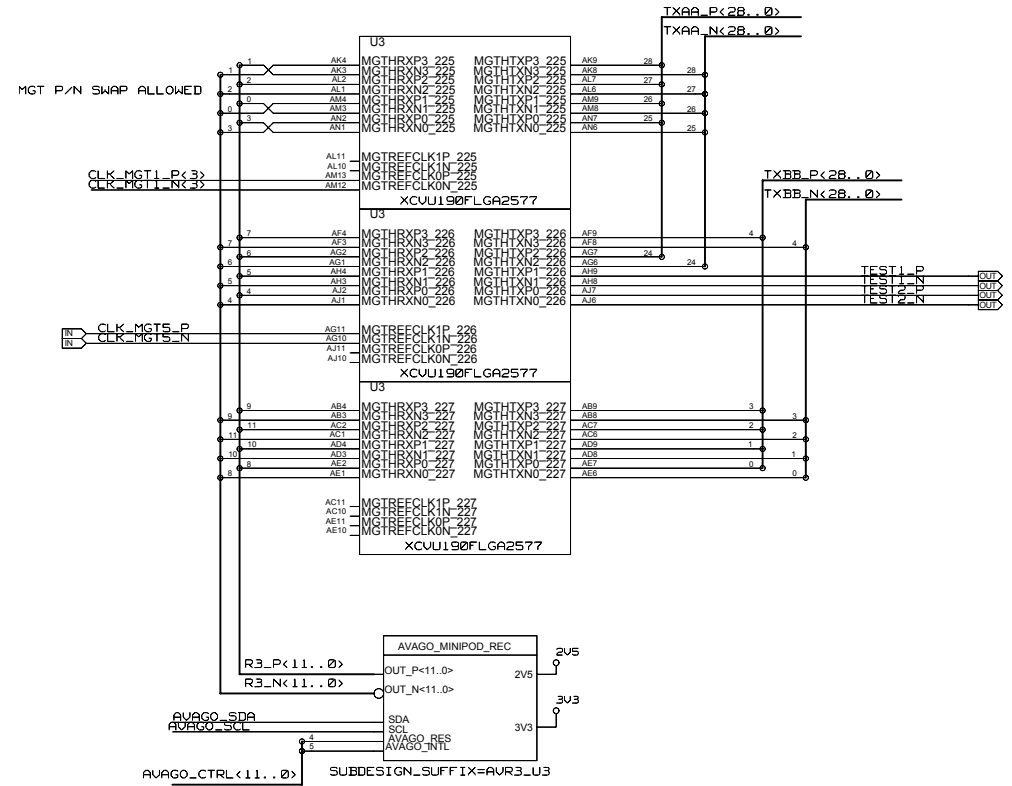
BLOCK TITLE
U3_MGT_REAL_TIME

UNIVERSITY OF MAINZ

SIZE C REV.
SCALE

DRAWING NO.
SHEET 2 OF 7

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

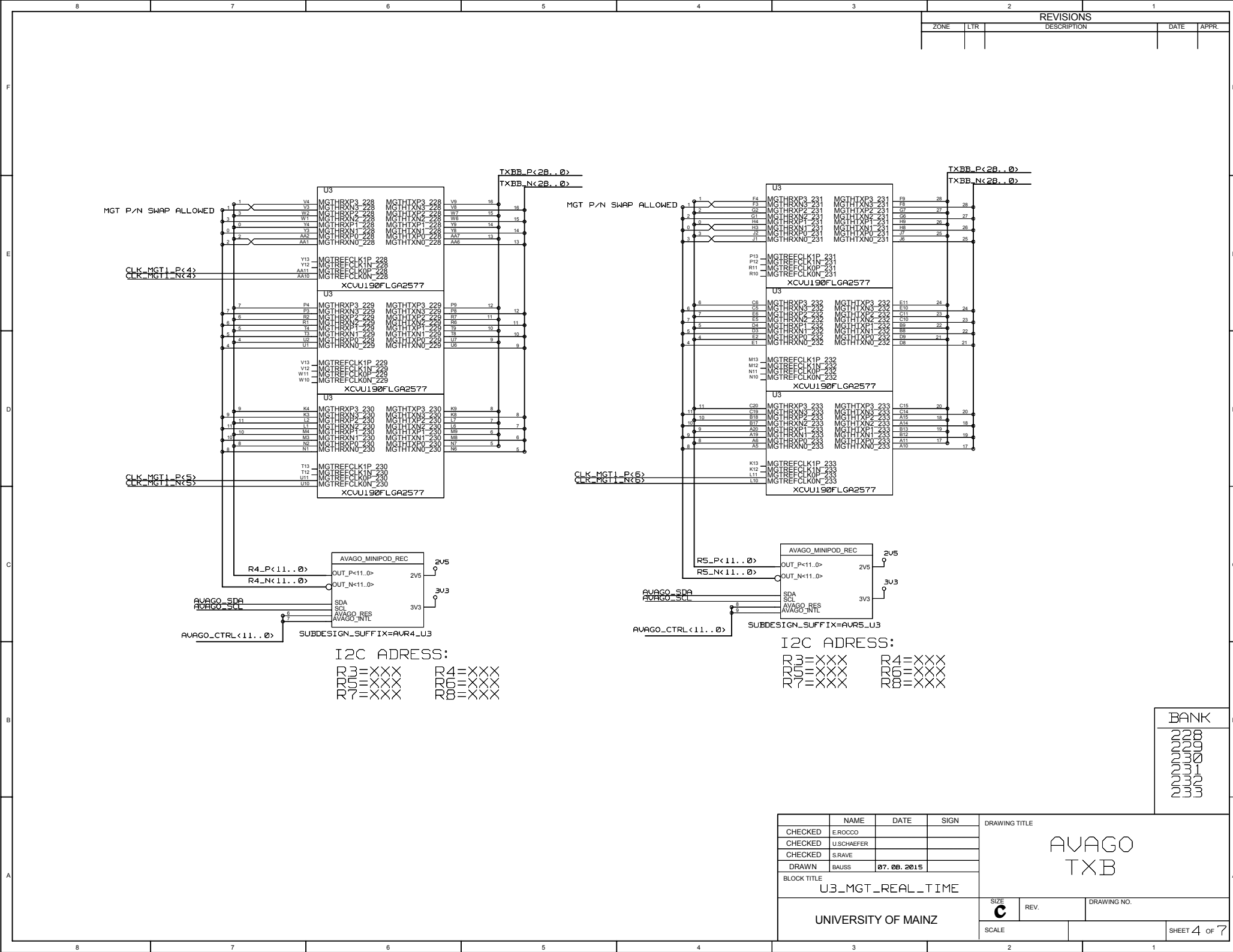


I2C ADDRESS:

R3=XXXX R4=XXXX
R5=XXXX R6=XXXX
R7=XXXX R8=XXXX

BANK
2005
2006
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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 C	REV.
				SCALE	DRAWING NO.
				SHEET 3 OF 7	



REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPR.

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MGTYRXP3_119 MGTYXP3_119 BG37 1 1

MGTYRXN3_119 MGTYXN3_119 BG38 0 1

MGTYRXP2_119 MGTYXP2_119 BG39 0 1

MGTYRXN2_119 MGTYXN2_119 BG40 0 1

MGTYRXP1_119 MGTYXP1_119 BG41 0 1

MGTYRXN1_119 MGTYXN1_119 BG42 0 1

MGTYRXP0_119 MGTYXP0_119 BG43 0 1

MGTYRXN0_119 MGTYXN0_119 BG44 0 1

MGTYRXP3_120 MGTYXP3_120 BG45 10 1

MGTYRXN3_120 MGTYXN3_120 BG46 7 1

MGTYRXP2_120 MGTYXP2_120 BG47 7 1

MGTYRXN2_120 MGTYXN2_120 BG48 7 1

MGTYRXP1_120 MGTYXP1_120 BG49 5 1

MGTYRXN1_120 MGTYXN1_120 BG50 5 1

MGTYRXP0_120 MGTYXP0_120 BG51 2 1

MGTYRXN0_120 MGTYXN0_120 BG52 2 1

MGTYRXP3_121 MGTYXP3_121 BF43 9 1

MGTYRXN3_121 MGTYXN3_121 BF44 11 1

MGTYRXP2_121 MGTYXP2_121 BF45 11 1

MGTYRXN2_121 MGTYXN2_121 BF46 11 1

MGTYRXP1_121 MGTYXP1_121 BF47 6 1

MGTYRXN1_121 MGTYXN1_121 BF48 6 1

MGTYRXP0_121 MGTYXP0_121 BF49 6 1

MGTYRXN0_121 MGTYXN0_121 BF50 6 1

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MGTYRXN3_122 MGTYXN3_122 BG44 7 1

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MGTYRXN2_122 MGTYXN2_122 BG46 7 1

MGTYRXP1_122 MGTYXP1_122 BG47 5 1

MGTYRXN1_122 MGTYXN1_122 BG48 5 1

MGTYRXP0_122 MGTYXP0_122 BG49 2 1

MGTYRXN0_122 MGTYXN0_122 BG50 2 1

MGTYRXP3_123 MGTYXP3_123 BG43 10 1

MGTYRXN3_123 MGTYXN3_123 BG44 7 1

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MGTYRXN2_123 MGTYXN2_123 BG46 7 1

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MGTYRXN1_123 MGTYXN1_123 BG48 5 1

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MGTYRXN0_123 MGTYXN0_123 BG50 2 1

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MGTYRXN3_124 MGTYXN3_124 BG44 7 1

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MGTYRXP1_124 MGTYXP1_124 BG47 5 1

MGTYRXN1_124 MGTYXN1_124 BG48 5 1

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MGTYRXN2_125 MGTYXN2_125 BG46 7 1

MGTYRXP1_125 MGTYXP1_125 BG47 5 1

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MGTYRXN0_125 MGTYXN0_125 BG50 2 1

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MGTYRXN2_126 MGTYXN2_126 BG46 7 1

MGTYRXP1_126 MGTYXP1_126 BG47 5 1

MGTYRXN1_126 MGTYXN1_126 BG48 5 1

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MGTYRXN0_126 MGTYXN0_126 BG50 2 1

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MGTYRXN3_127 MGTYXN3_127 BG44 7 1

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MGTYRXN2_127 MGTYXN2_127 BG46 7 1

MGTYRXP1_127 MGTYXP1_127 BG47 5 1

MGTYRXN1_127 MGTYXN1_127 BG48 5 1

MGTYRXP0_127 MGTYXP0_127 BG49 2 1

MGTYRXN0_127 MGTYXN0_127 BG50 2 1

MGTYRXP3_128 MGTYXP3_128 BG43 10 1

MGTYRXN3_128 MGTYXN3_128 BG44 7 1

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MGTYRXP1_128 MGTYXP1_128 BG47 5 1

MGTYRXN1_128 MGTYXN1_128 BG48 5 1

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MGTYRXN0_128 MGTYXN0_128 BG50 2 1

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MGTYRXN3_129 MGTYXN3_129 BG44 7 1

MGTYRXP2_129 MGTYXP2_129 BG45 7 1

MGTYRXN2_129 MGTYXN2_129 BG46 7 1

MGTYRXP1_129 MGTYXP1_129 BG47 5 1

MGTYRXN1_129 MGTYXN1_129 BG48 5 1

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MGTYRXN0_129 MGTYXN0_129 BG50 2 1

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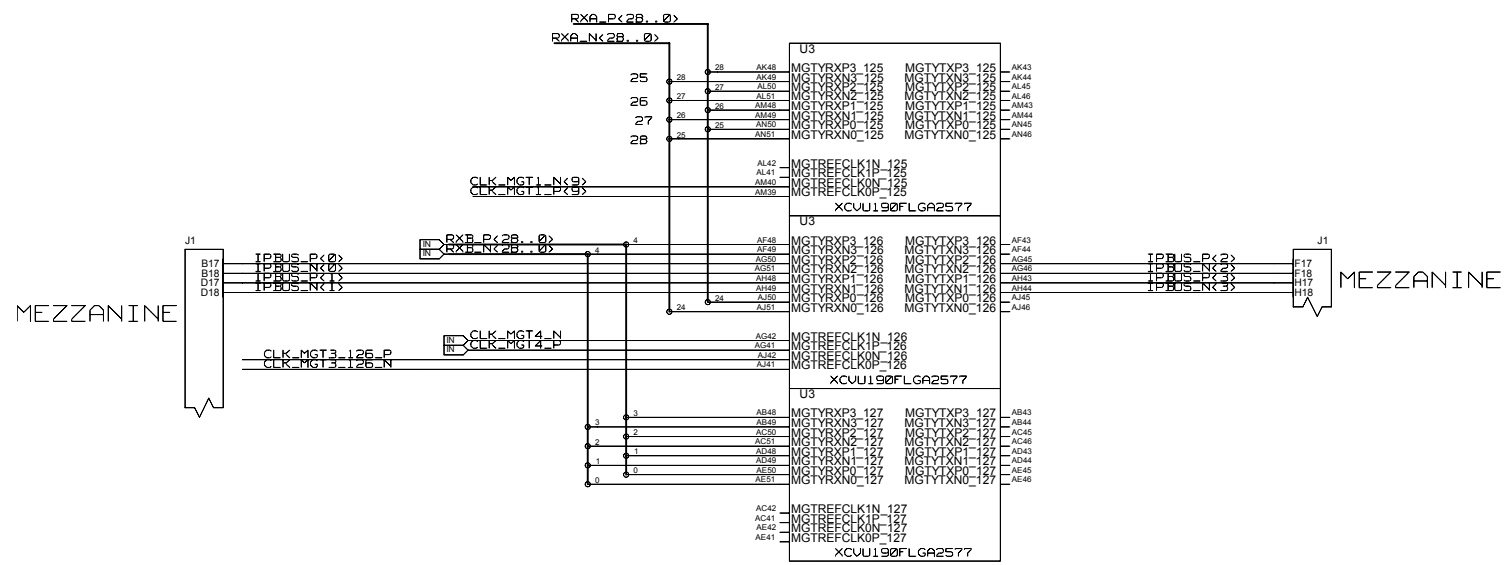
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MGTYRXP0

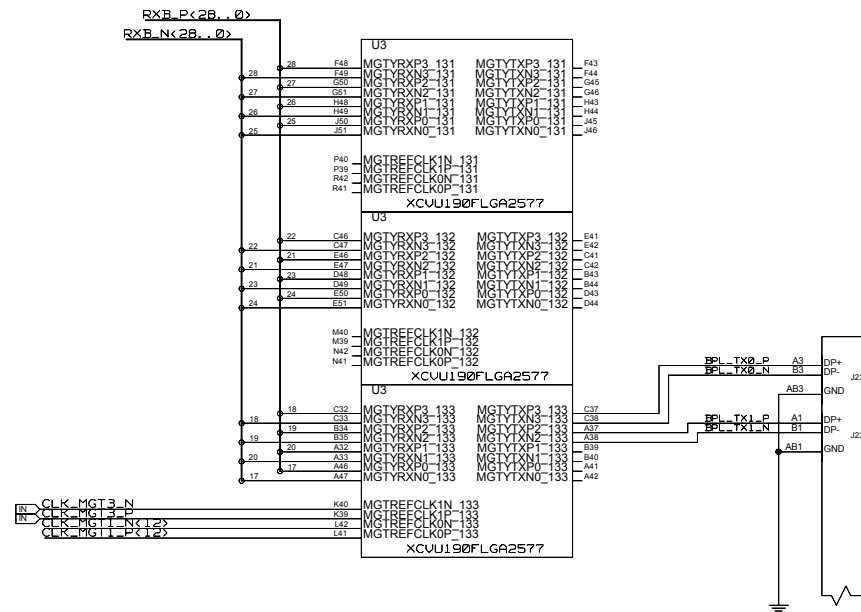
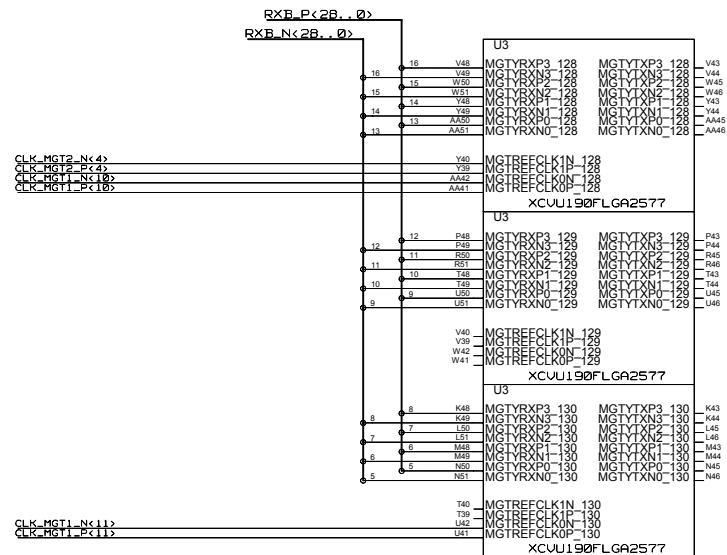
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



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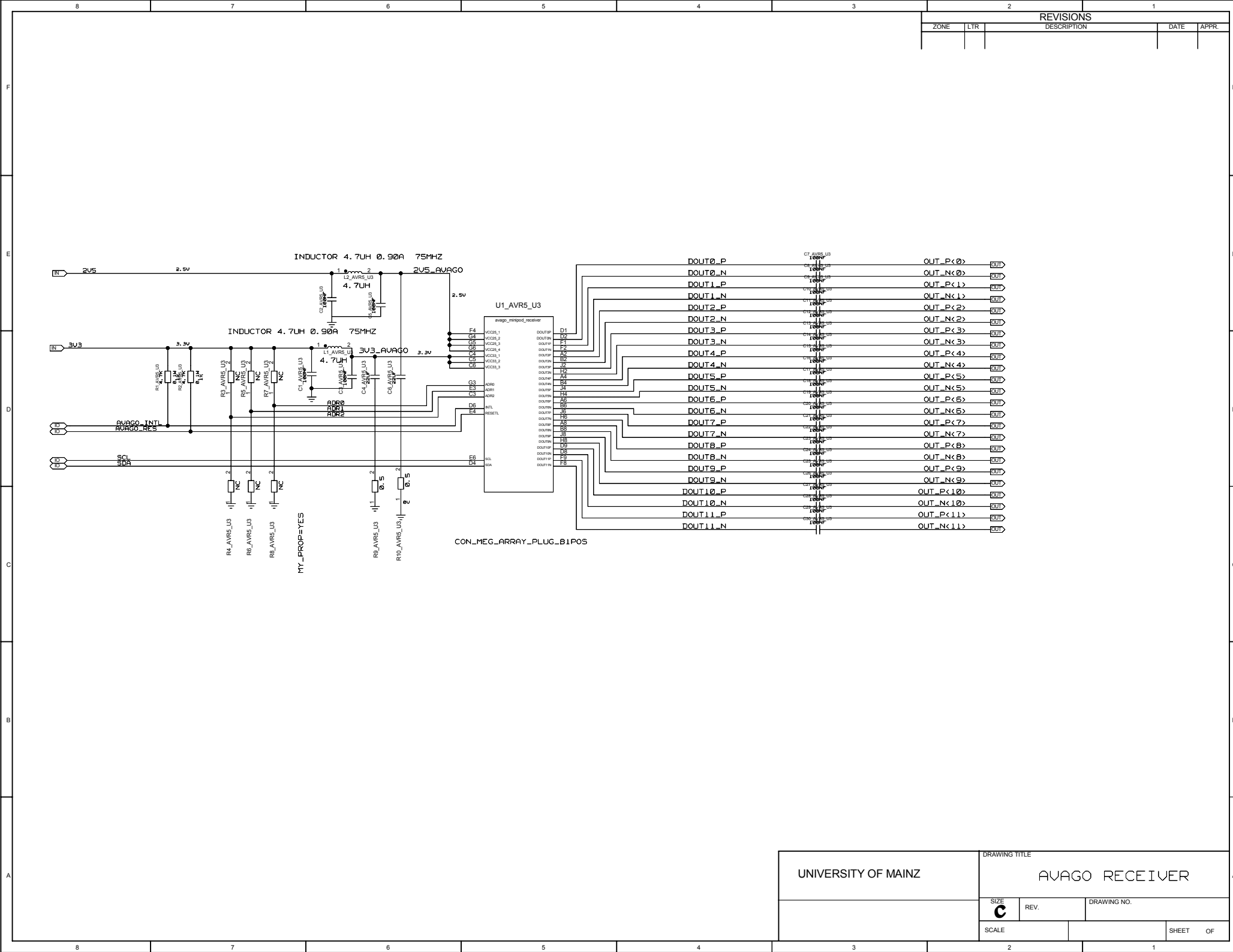
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CHECKED	E.ROCCO			RXA + RXB TXD + IPBUS	
CHECKED	U.SCHAEFER				
CHECKED	S.RAVE				
DRAWN	BAUSS	07.08.2015			
BLOCK TITLE				U3_MGT_REAL_TIME	
UNIVERSITY OF MAINZ				SIZE	REV.
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				DRAWING NO.	
		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

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



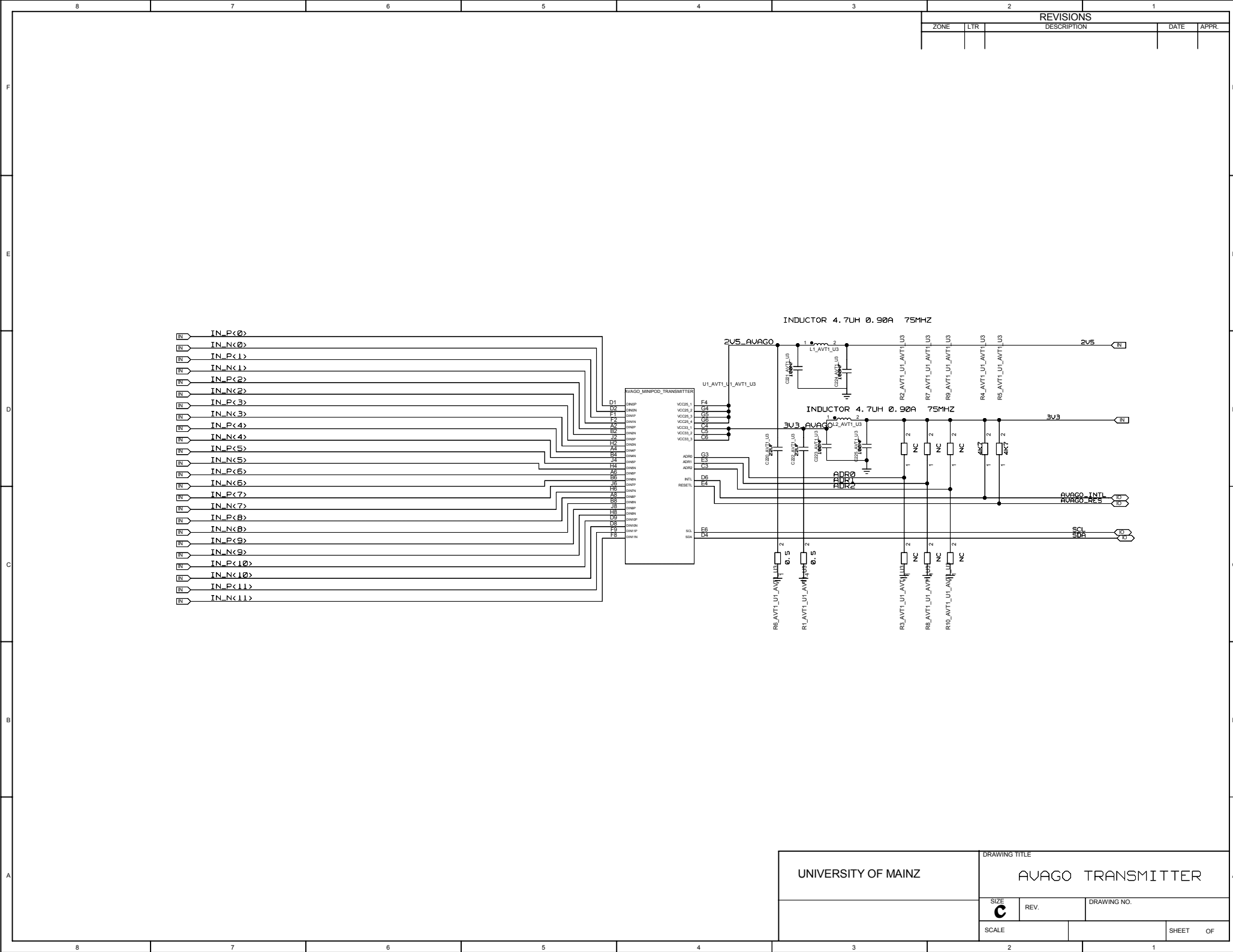
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CHECKED	E.ROCCO					
CHECKED	U.SCHAEFER					
CHECKED	S.RAVE					
DRAWN	BAUSS	07.08.2015				
BLOCK TITLE U3_MGT_REAL_TIME						
UNIVERSITY OF MAINZ				SIZE C	REV.	DRAWING NO.
				SCALE		SHEET 7 OF 7

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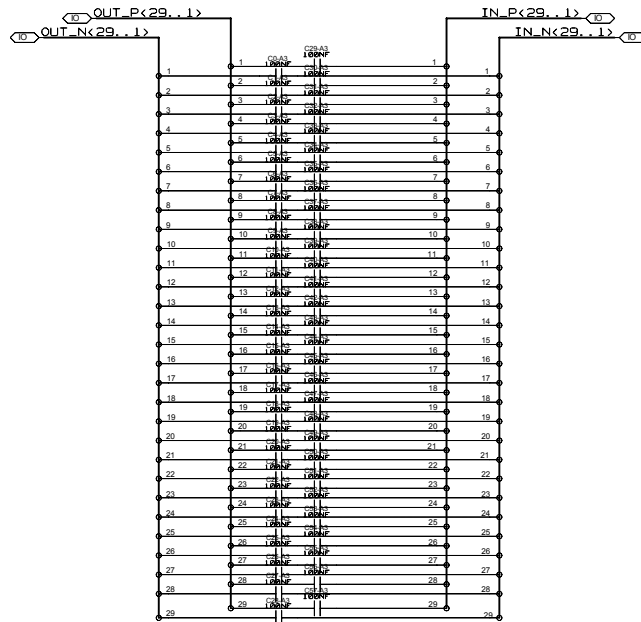
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

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



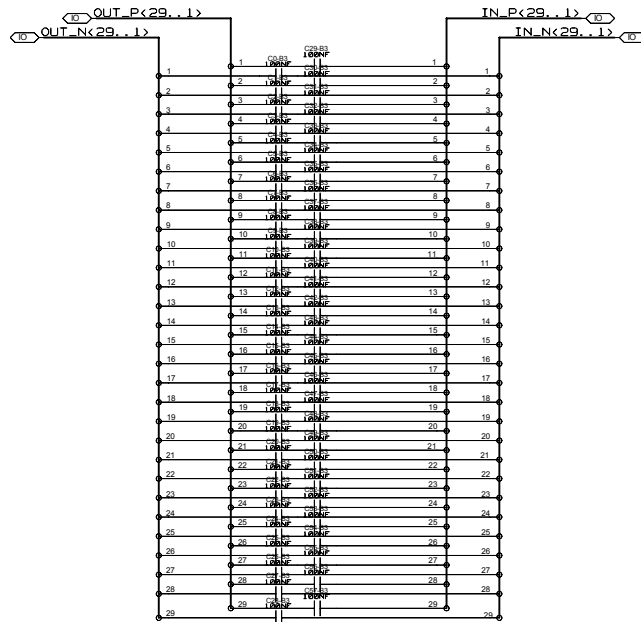
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

DRAWING TITLE		UNIVERSITY OF MAINZ	
AVAGO_TRANSMITTER			
SIZE	REV.	DRAWING NO.	
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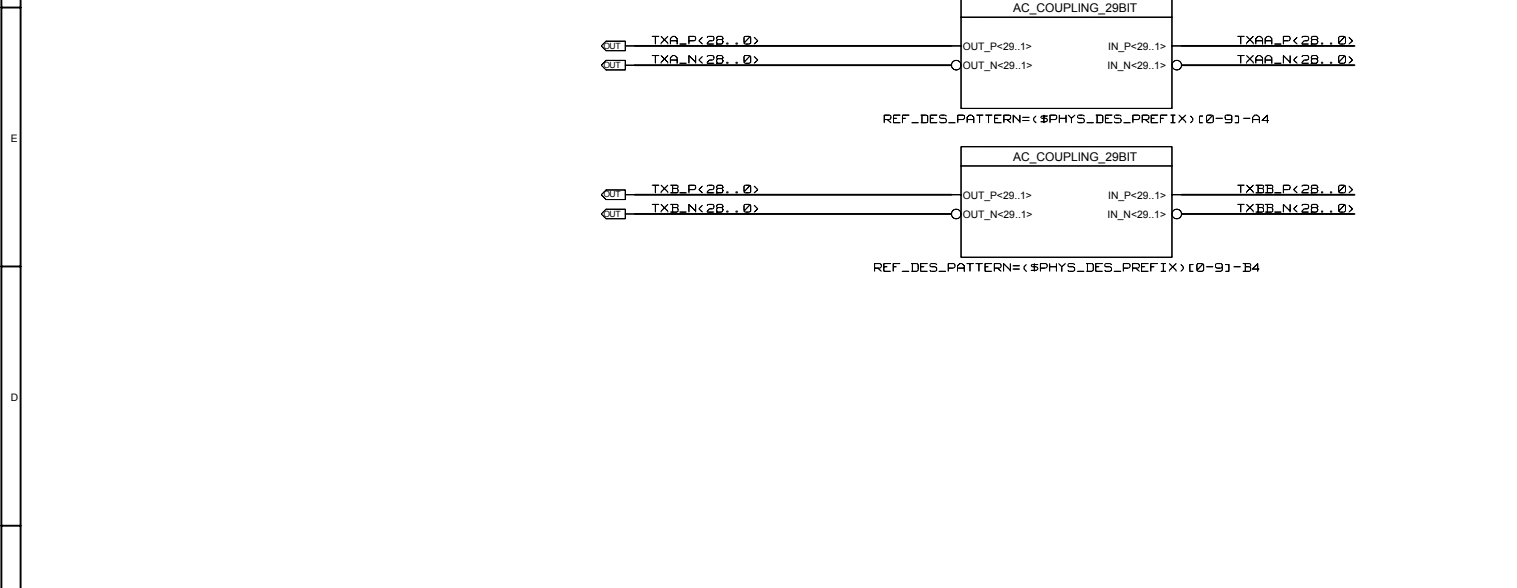
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

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



CHECKED		E.ROCCO			DRAWING TITLE AC COUPLING 29BIT		
CHECKED		U.SCHAEFER					
CHECKED		S.RAVE					
DRAWN		BAUSS					
BLOCK TITLE							
UNIVERSITY OF MAINZ					SIZE C	REV.	DRAWING NO.
SCALE					SHEET		OF

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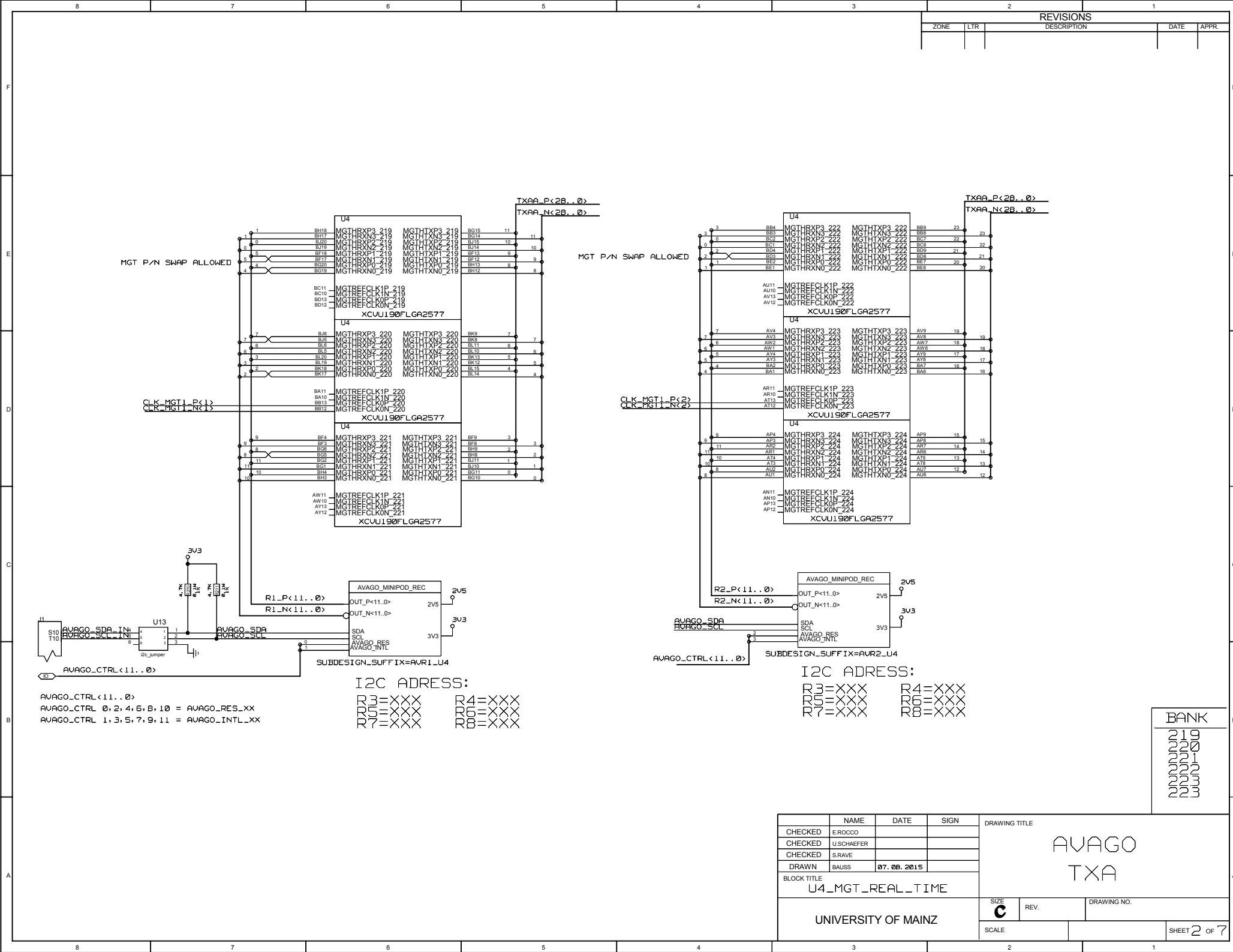
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CLK_MGT1_N<12..1>

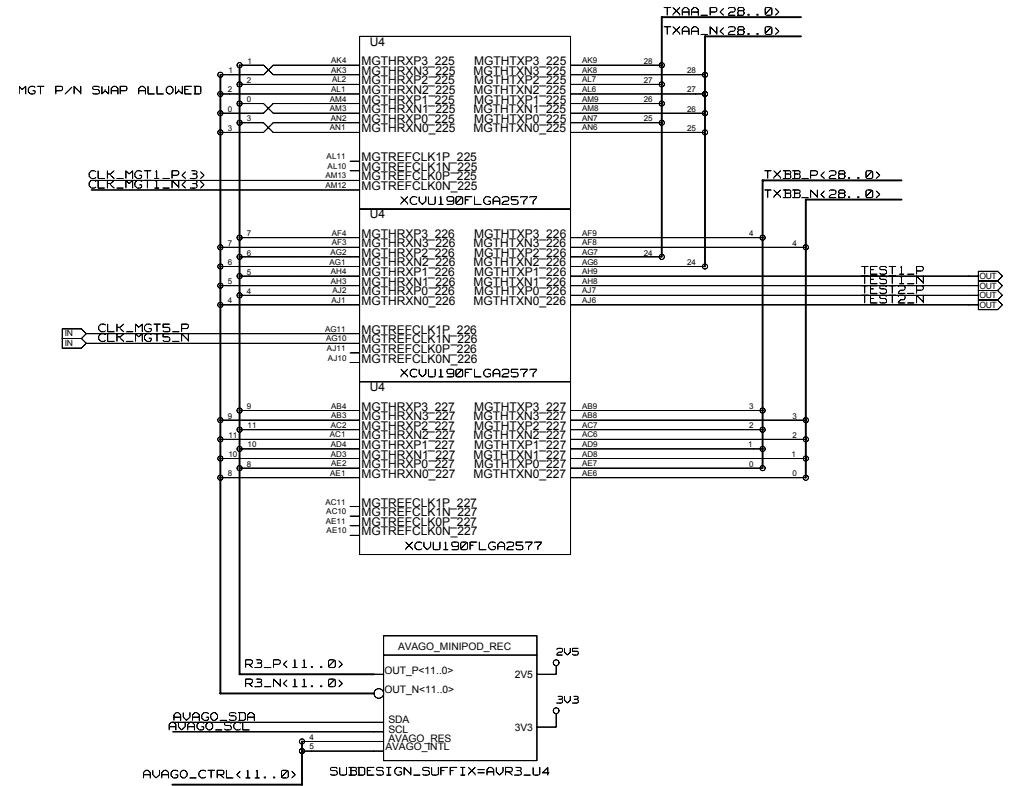
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CLK_MGT2_N<6..1>

	NAME	DATE
CHECKED	E.ROCCO	
CHECKED	U.SCHAEFER	
CHECKED	S.RAVE	
DRAWN	BAUSS	07.08.20
BLOCK TITLE		
U4_MGT_REAL_1		
UNIVERSITY OF M		



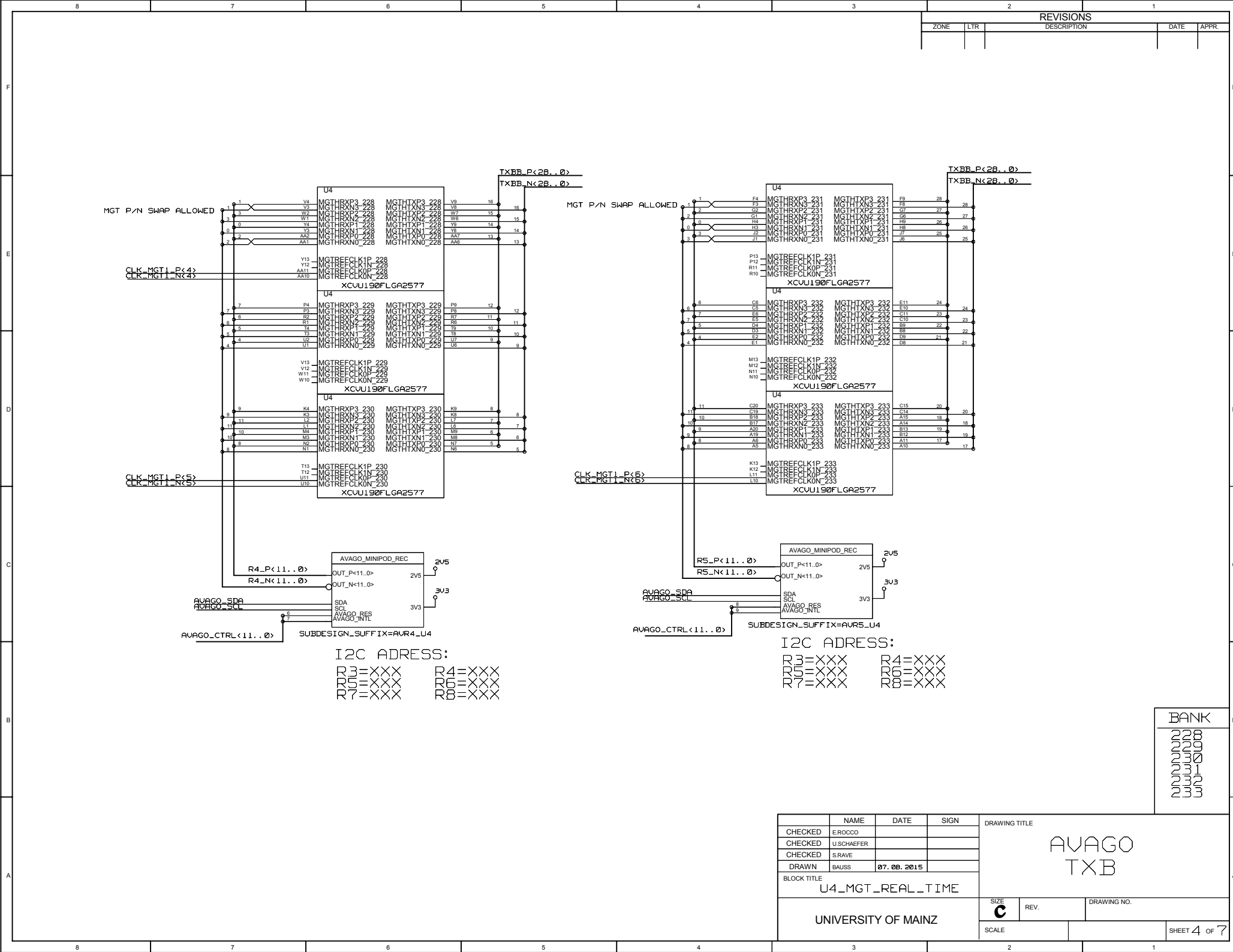
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



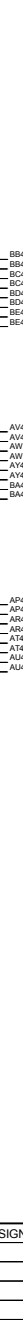
I2C ADDRESS:
R3=XXXX R4=XXXX
R5=XXXX R6=XXXX
R7=XXXX R8=XXXX

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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				U4_MGT_REAL_TIME	
UNIVERSITY OF MAINZ				SIZE C	REV.
				SCALE	DRAWING NO.
					SHEET 3 OF 7



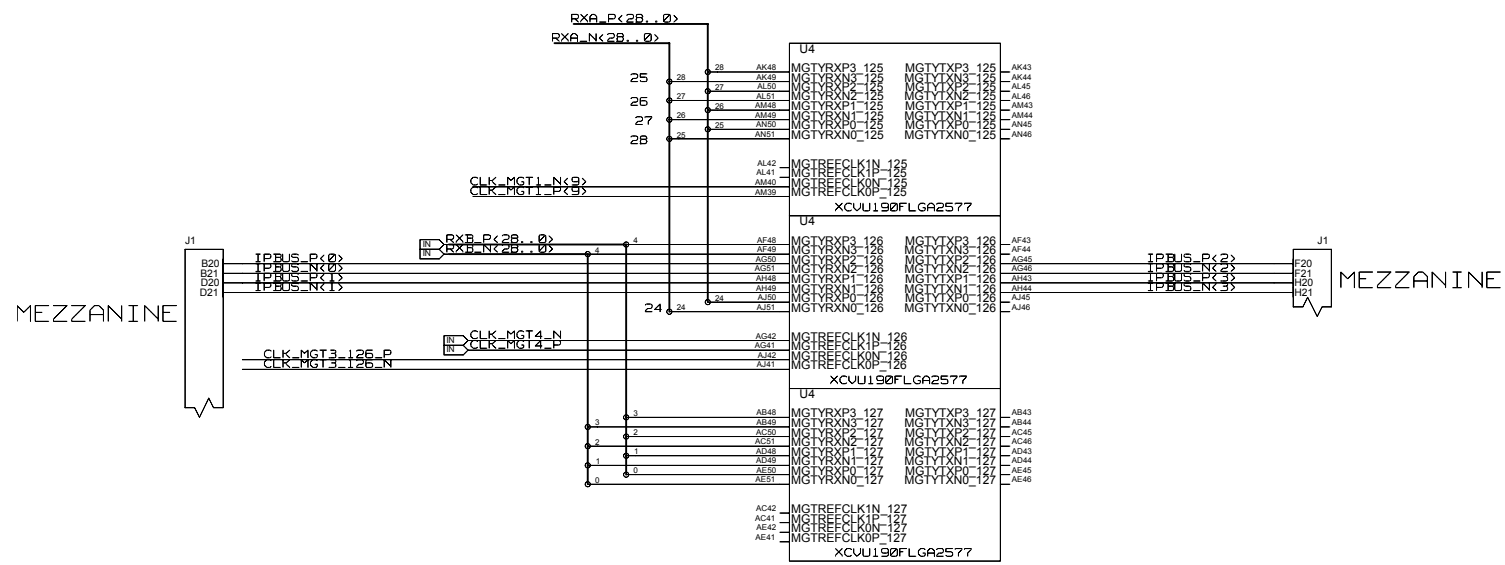
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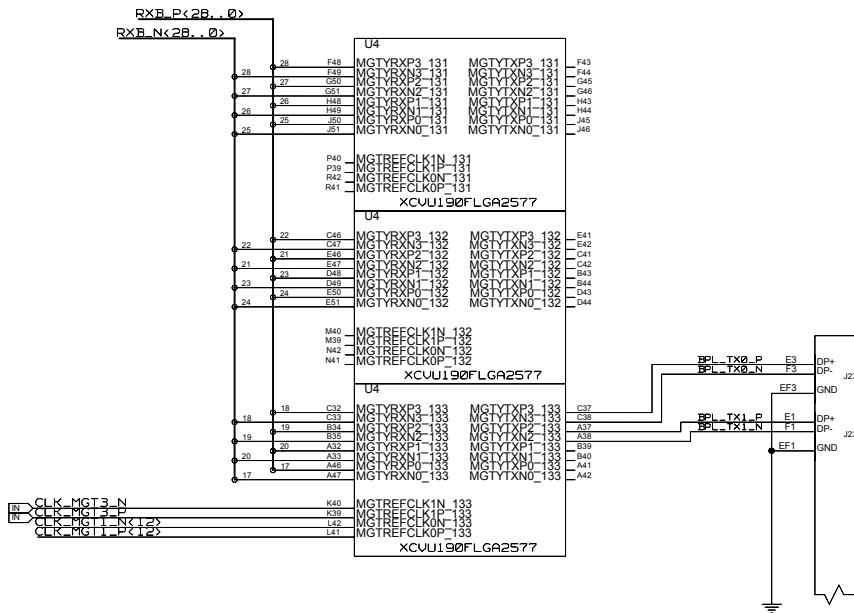
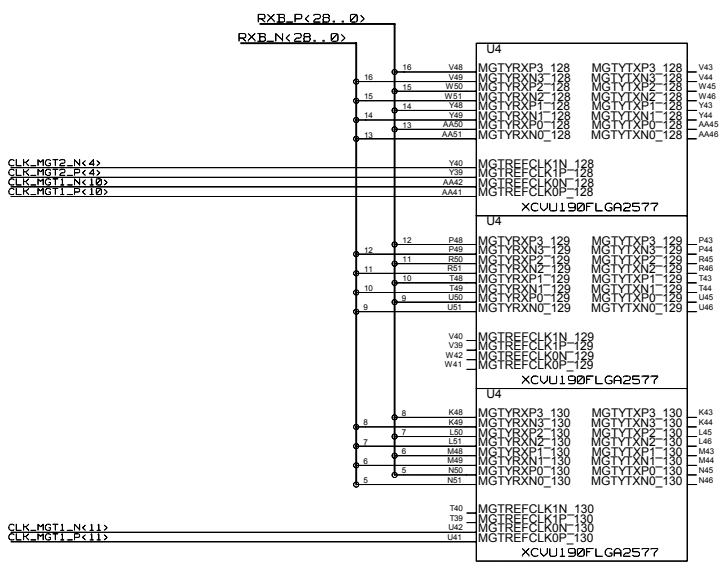
REVISONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



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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	REV.
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				SCALE	DRAWING NO.
				SHEET 6 OF 7	

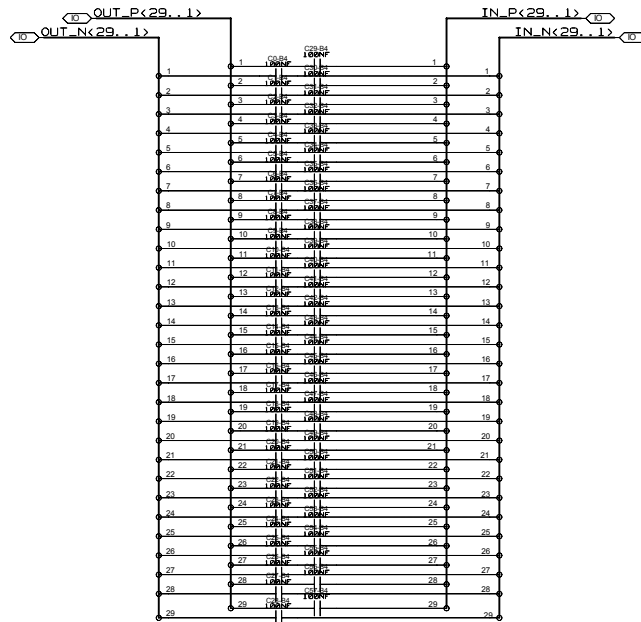
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



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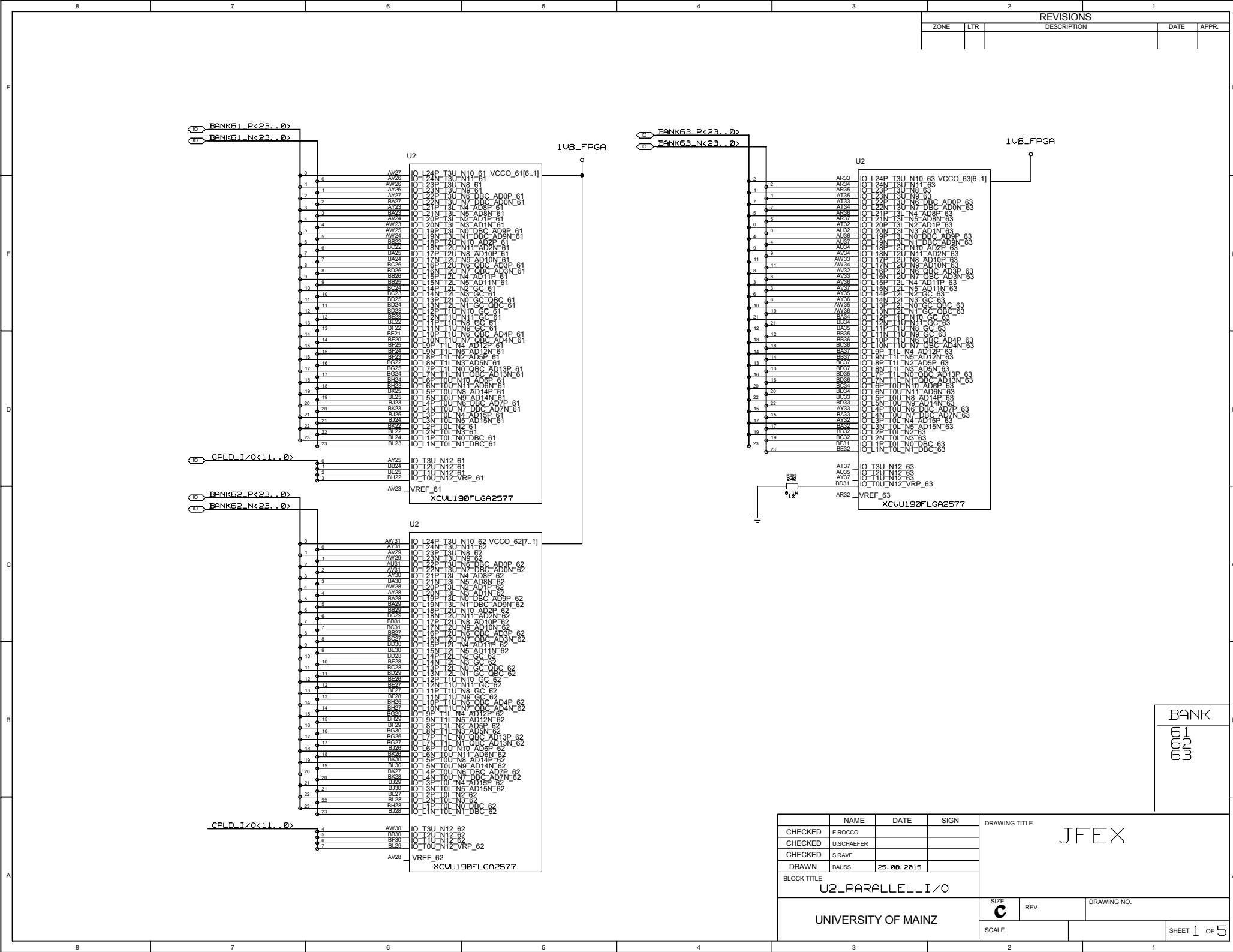
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NAME	DATE	SIGN	DRAWING TITLE	
CHECKED E.ROCCO			RXB + TXC	
CHECKED U.SCHAEFER				
CHECKED S.RAVE				
DRAWN BAUSS	07.08.2015			
BLOCK TITLE			U4_MGT_REAL_TIME	
UNIVERSITY OF MAINZ			SIZE C	REV.
			SCALE	DRAWING NO.
			SHEET 7 OF 7	



REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

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

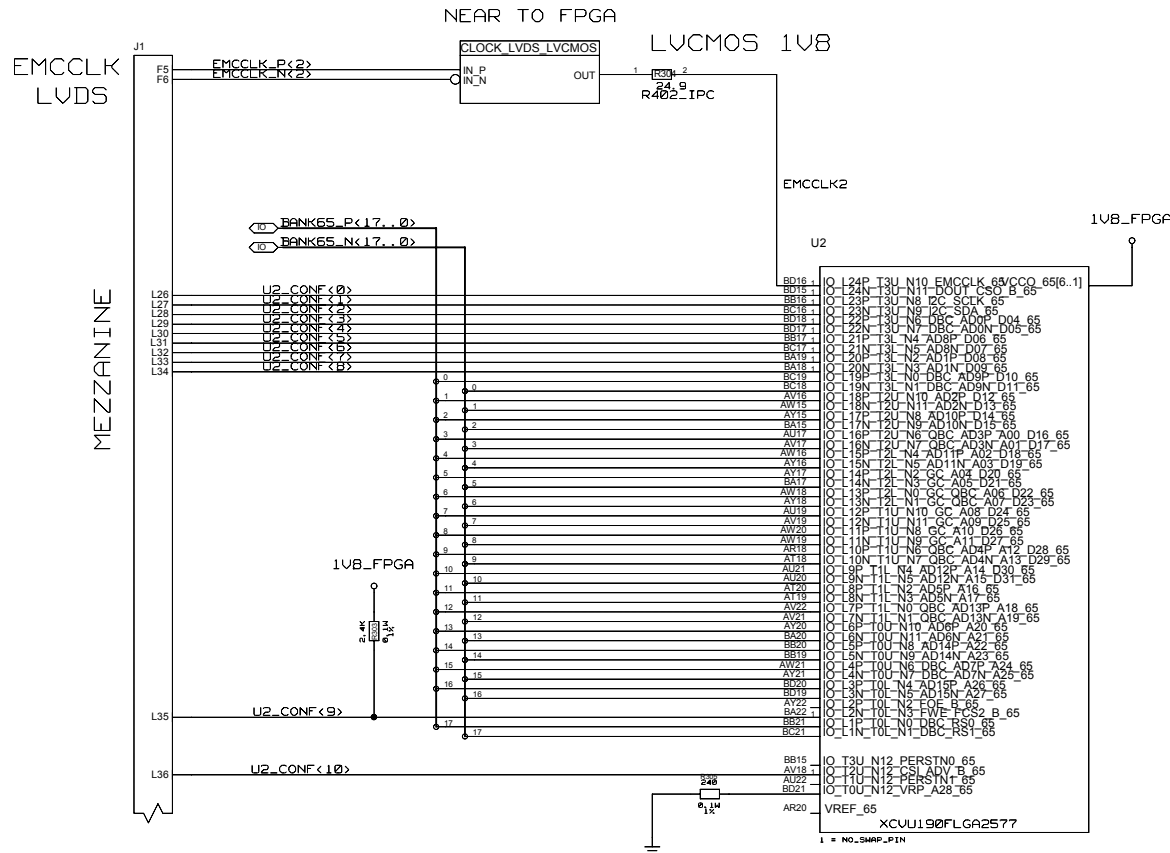


REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

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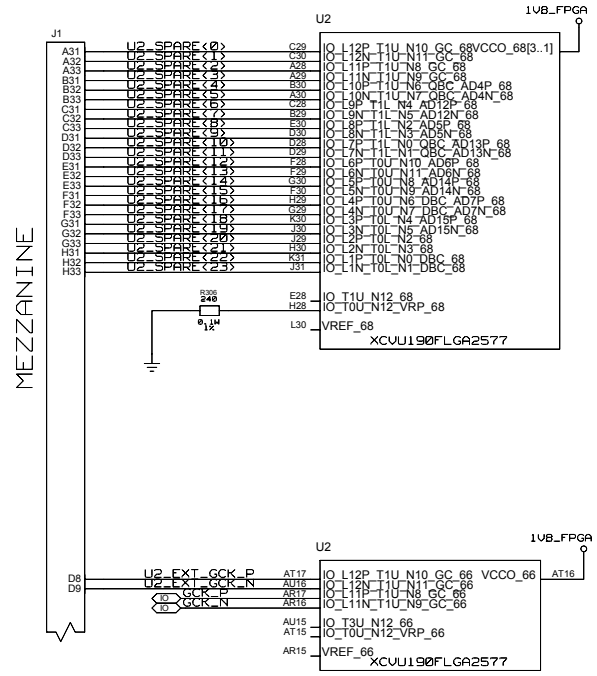
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CHECKED S.RAVE				
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BLOCK TITLE			U2_PARALLEL_I/O	
UNIVERSITY OF MAINZ			SIZE C	REV.
			SCALE	DRAWING NO.
			SHEET 1 OF 5	

REVISONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



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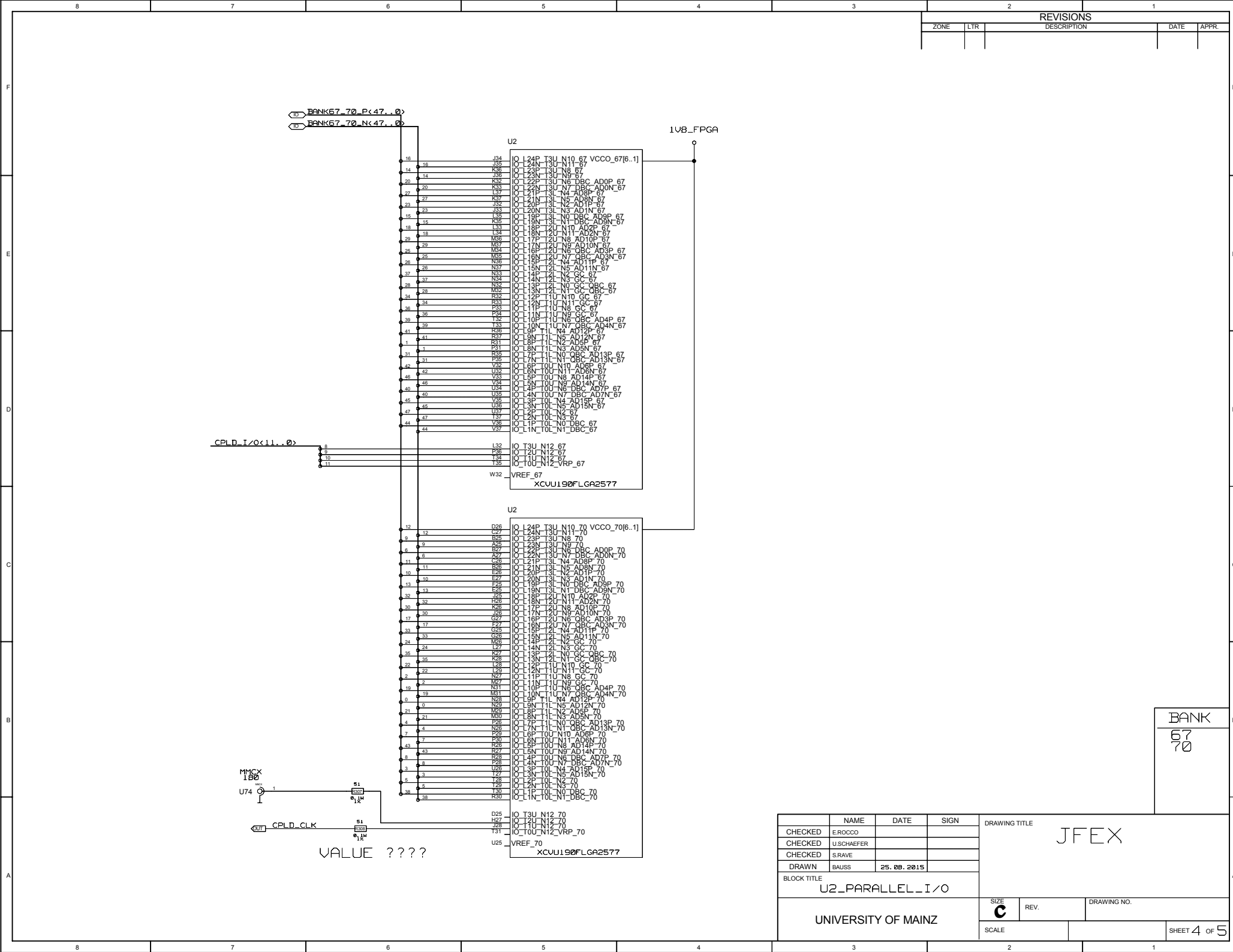
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CHECKED	S.RAVE				
DRAWN	BAUSS	25.08.2015		DRAWING NO.	
BLOCK TITLE				DRAWING NO.	
U2_PARALLEL_I/O				DRAWING NO.	
UNIVERSITY OF MAINZ				DRAWING NO.	
SCALE				DRAWING NO.	
SIZE				DRAWING NO.	
C				DRAWING NO.	
SCALE				DRAWING NO.	
SHEET 2 OF 5				DRAWING NO.	



REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

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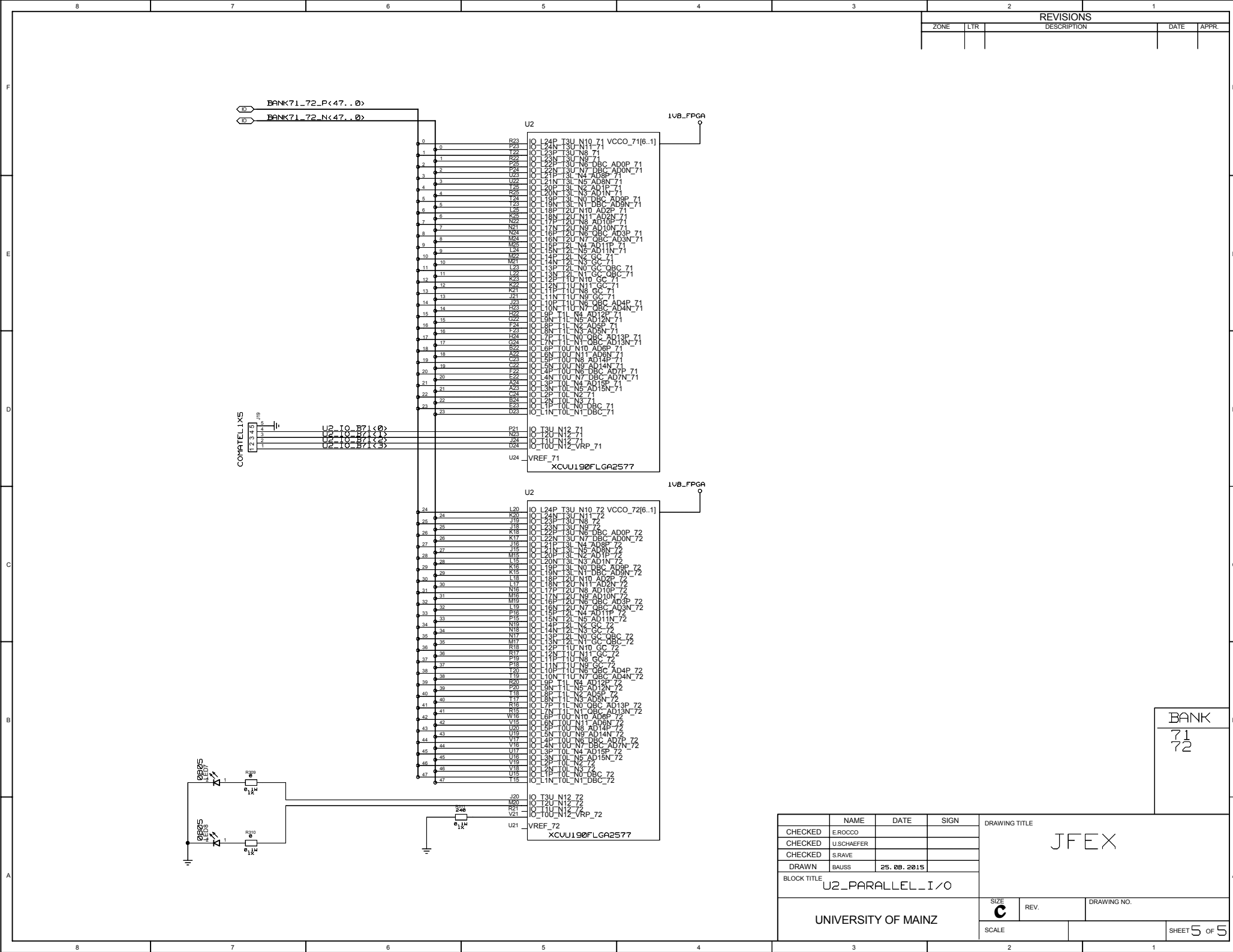
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CHECKED	S.RAVE				
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BLOCK TITLE U2_PARALLEL_I/O				SIZE C	REV.
UNIVERSITY OF MAINZ				DRAWING NO.	
				SCALE	SHEET 3 OF 5



REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

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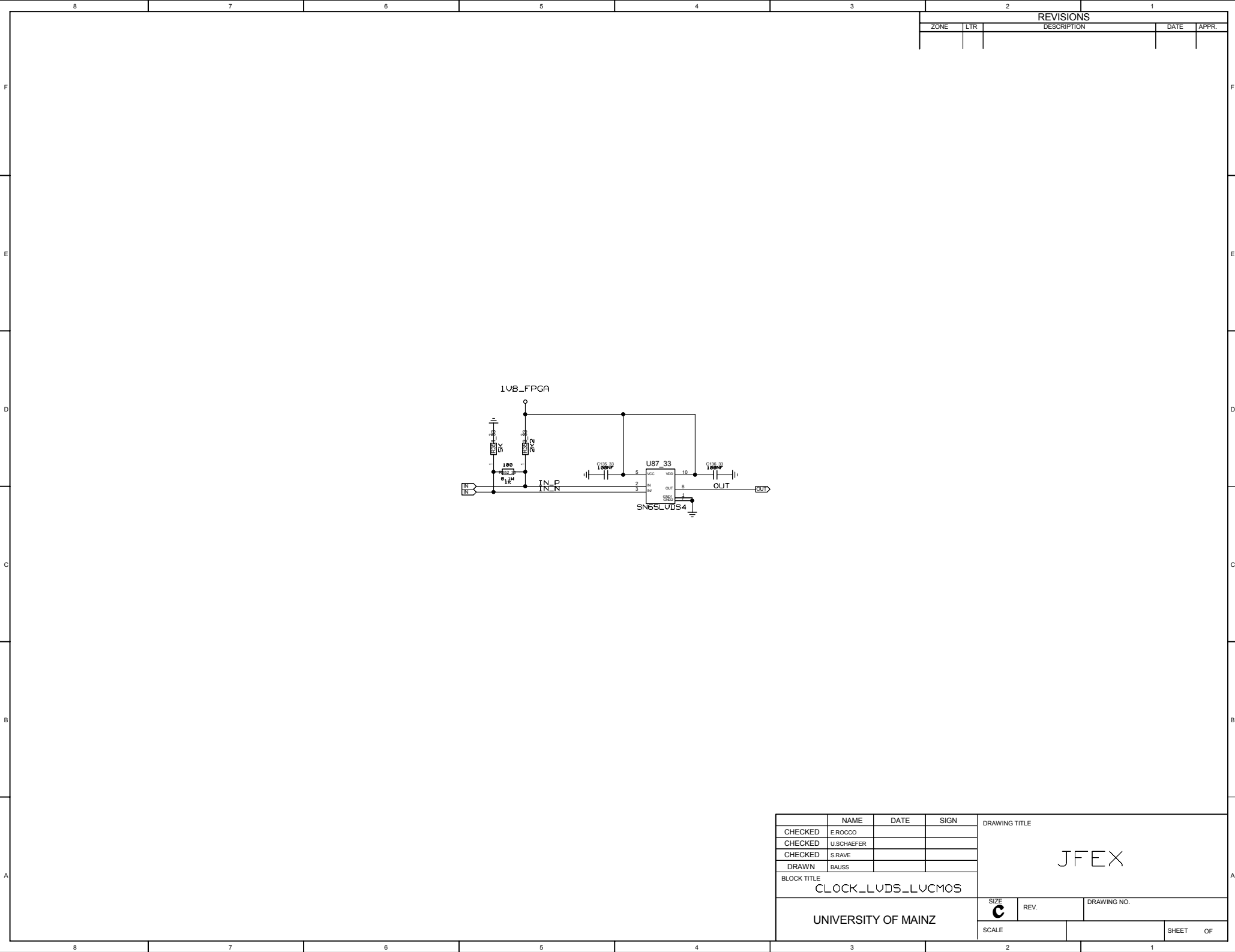
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BLOCK TITLE				U2_PARALLEL_I/O	
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SCALE				DRAWING NO.	
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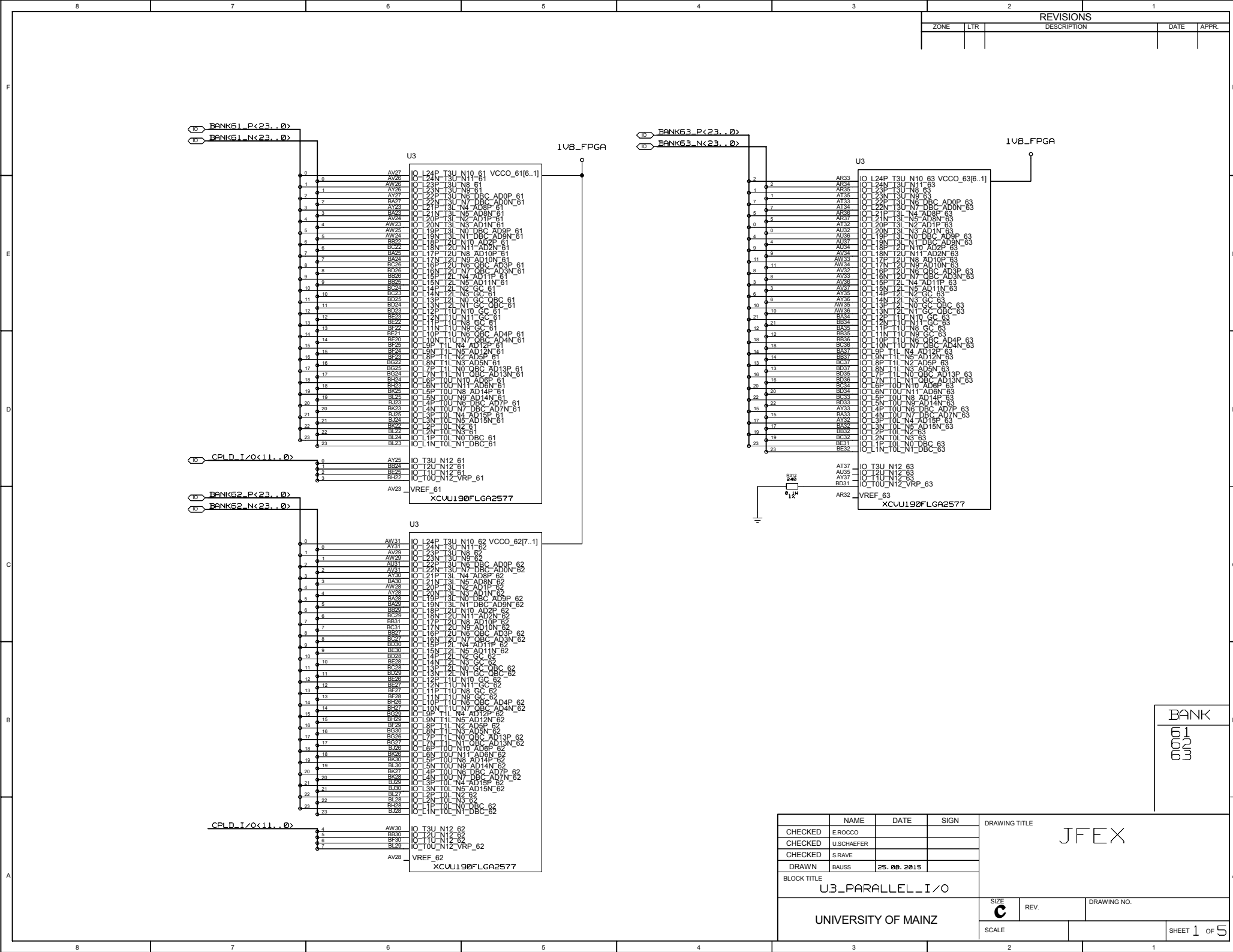


REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

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CHECKED	E.ROCCO	DATE	SIGN	DRAWING TITLE JFEX	
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DRAWN	BAUSS	25.08.2015			
BLOCK TITLE U2_PARALLEL_I/O				SIZE C	REV.
UNIVERSITY OF MAINZ				SCALE	DRAWING NO.
					SHEET 5 OF 5



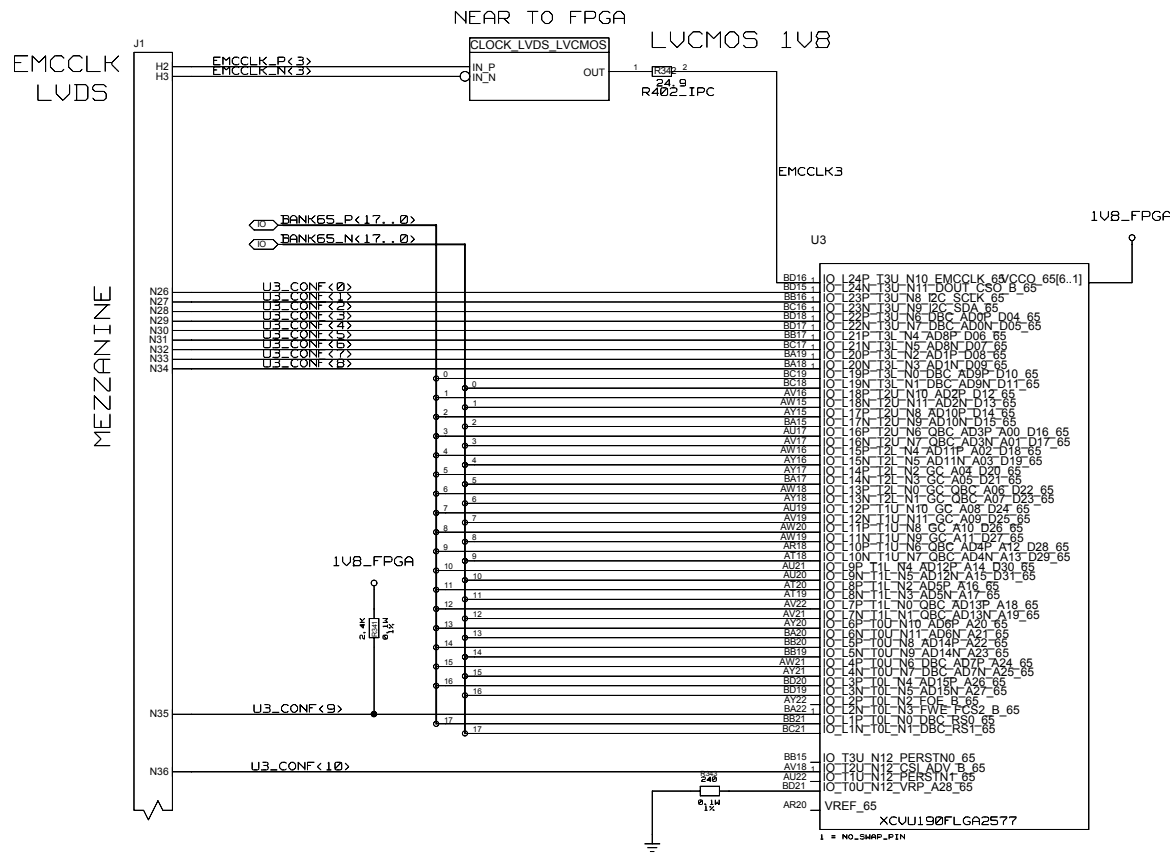


REVISIONS				
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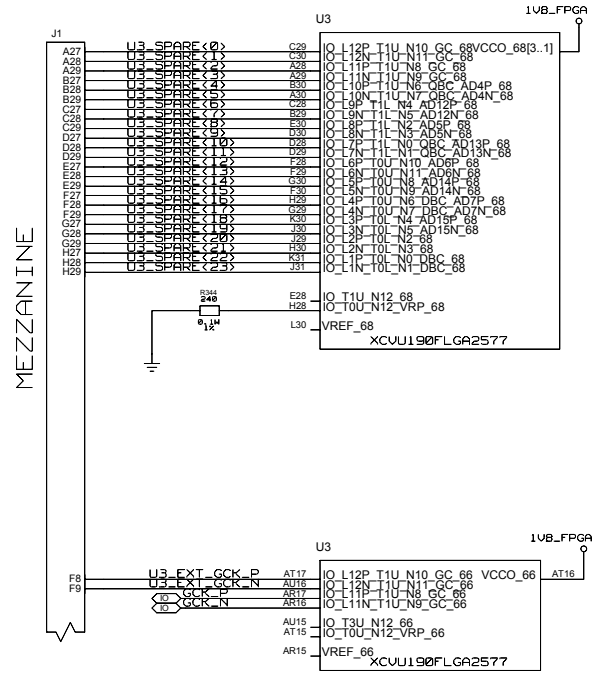
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BLOCK TITLE		U3_PARALLEL_I/O				
UNIVERSITY OF MAINZ		SIZE	REV.	DRAWING NO.		
		C				
SCALE					SHEET 1 OF 5	

REVISONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



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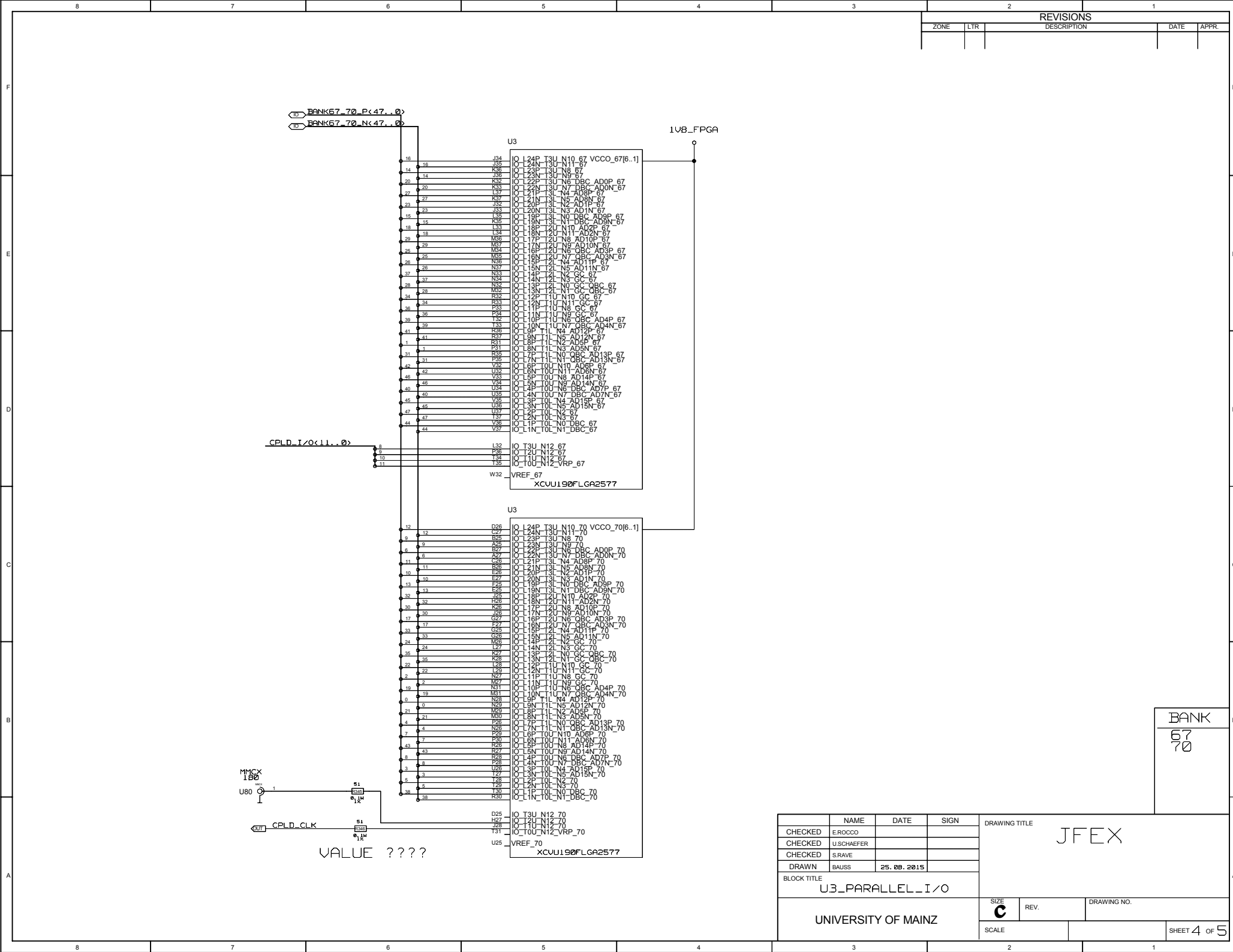
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CHECKED U.SCHAEFER				
CHECKED S.RAVE				
DRAWN BAUSS	25.08.2015			
BLOCK TITLE			U3_PARALLEL_I/O	
UNIVERSITY OF MAINZ			SIZE C	REV.
			SCALE	DRAWING NO.
				SHEET 2 OF 5



REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

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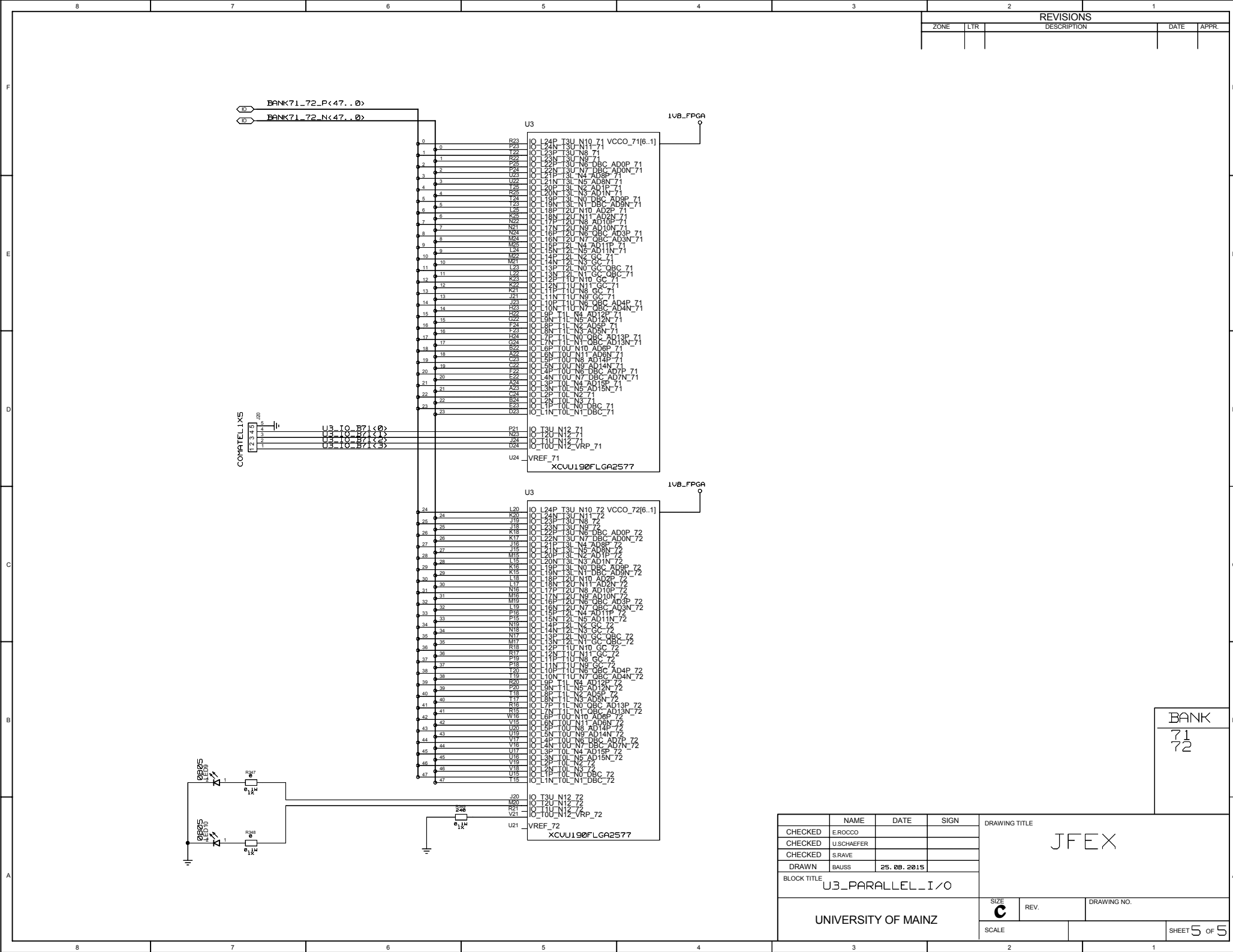
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CHECKED	U.SCHAEFER				
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DRAWN	BAUSS	25.08.2015			
BLOCK TITLE U3_PARALLEL_I/O				SIZE C	REV.
UNIVERSITY OF MAINZ				DRAWING NO.	
				SCALE	SHEET 3 OF 5



REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

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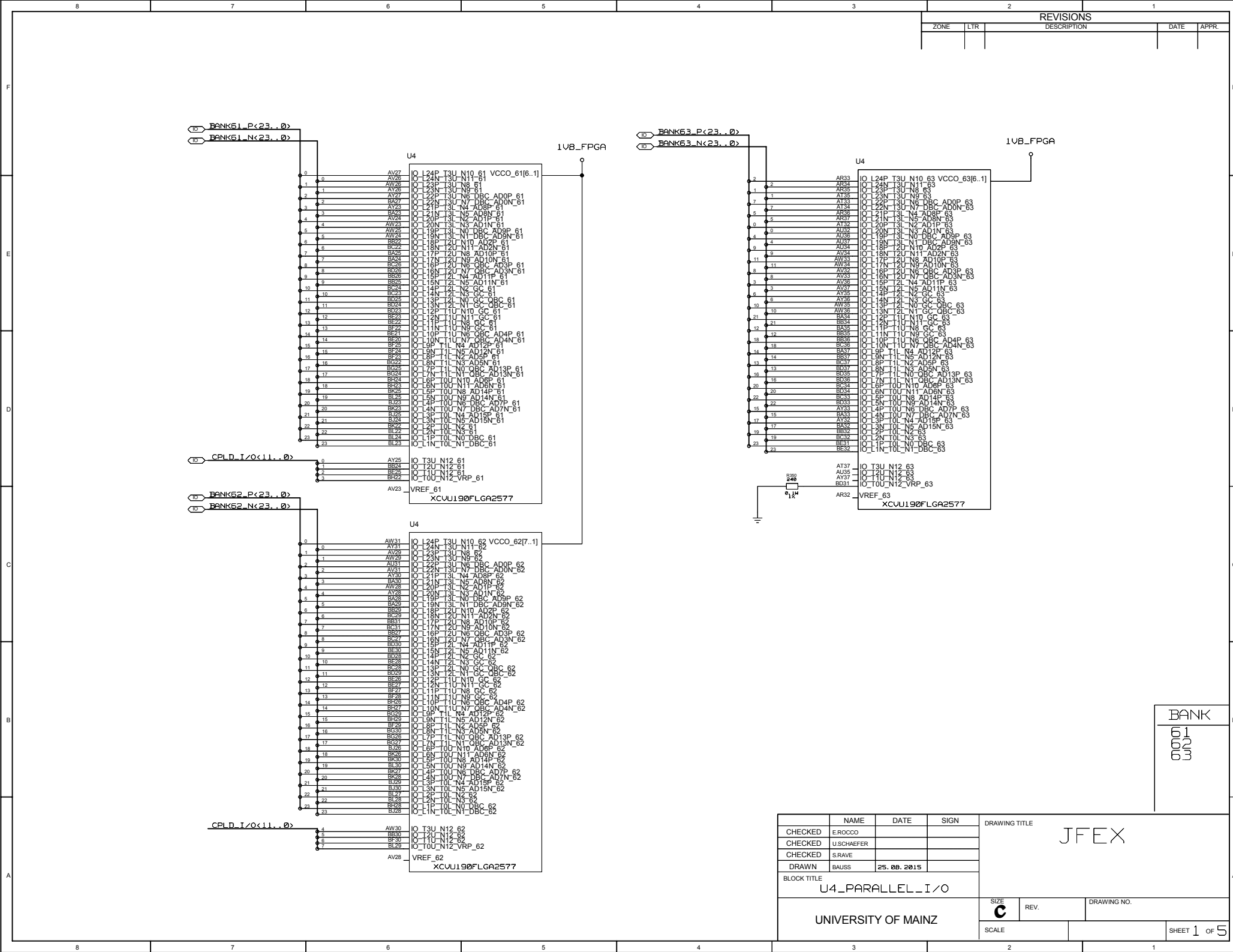
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BLOCK TITLE						
U3_PARALLEL_I/O						
UNIVERSITY OF MAINZ			SIZE C	REV.	DRAWING NO.	
			SCALE		SHEET 4 OF 5	



REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

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NAME	DATE	SIGN	DRAWING TITLE	
CHECKED E.ROCCO			JFEX	
CHECKED U.SCHAEFER				
CHECKED S.RAVE				
DRAWN BAUSS	25.08.2015			
BLOCK TITLE			U3_PARALLEL_I/O	
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			SCALE	DRAWING NO.
			SHEET 5 OF 5	

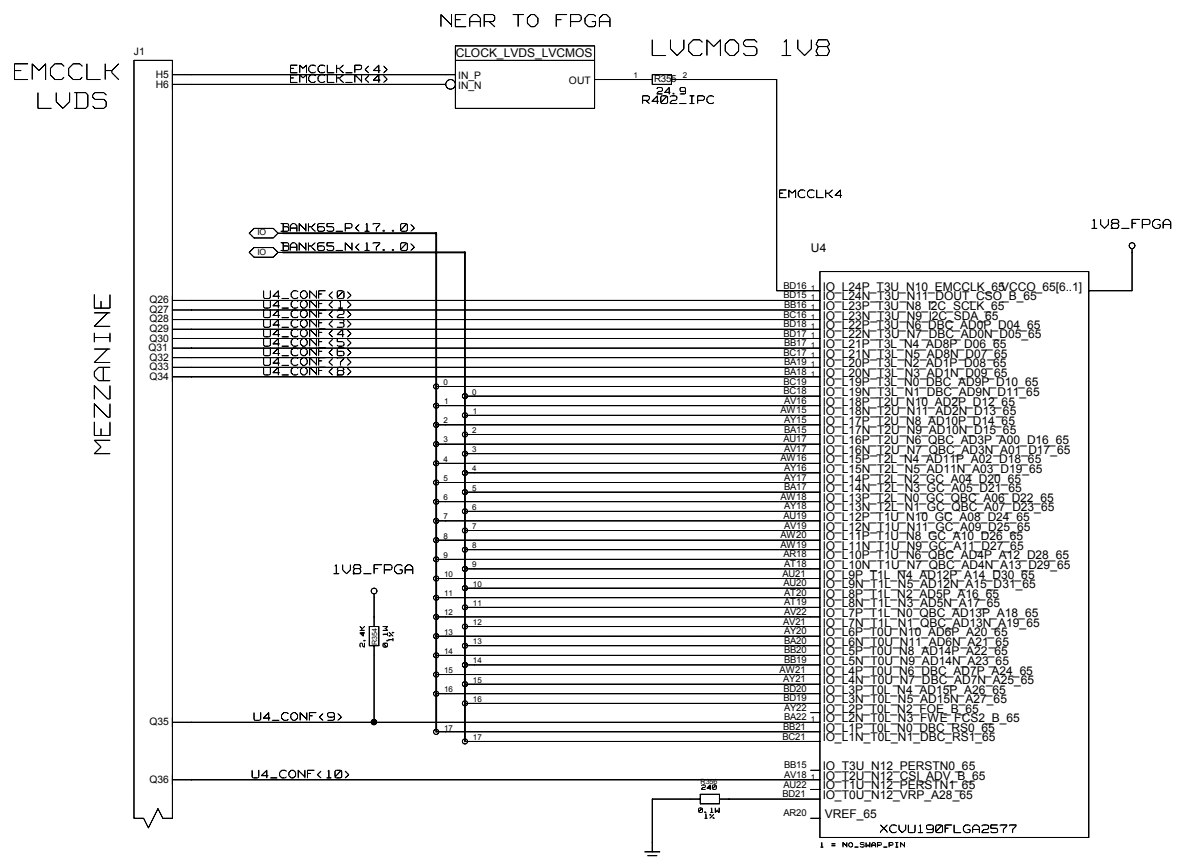


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ZONE	LTR	DESCRIPTION	DATE	APPR.

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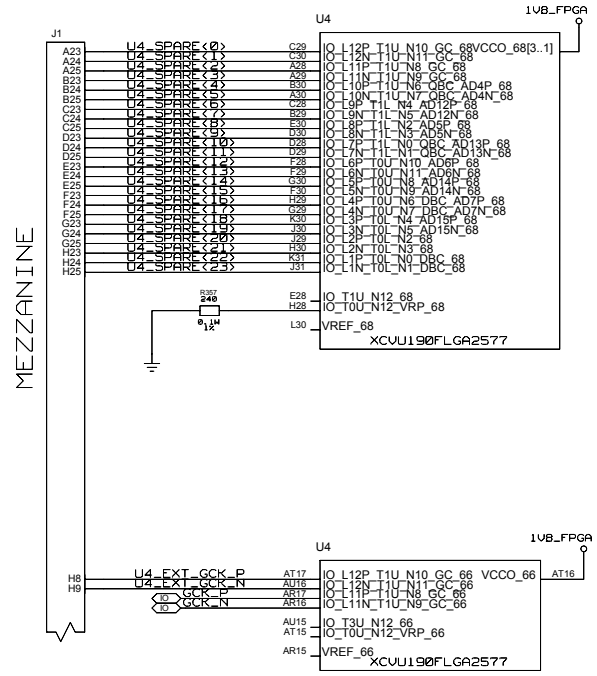
NAME	DATE	SIGN	DRAWING TITLE	
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CHECKED U.SCHAEFER				
CHECKED S.RAVE				
DRAWN BAUSS	25.08.2015			
BLOCK TITLE			U4_PARALLEL_I/O	
UNIVERSITY OF MAINZ			SIZE C	REV.
			SCALE	DRAWING NO.
			SHEET 1 OF 5	

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



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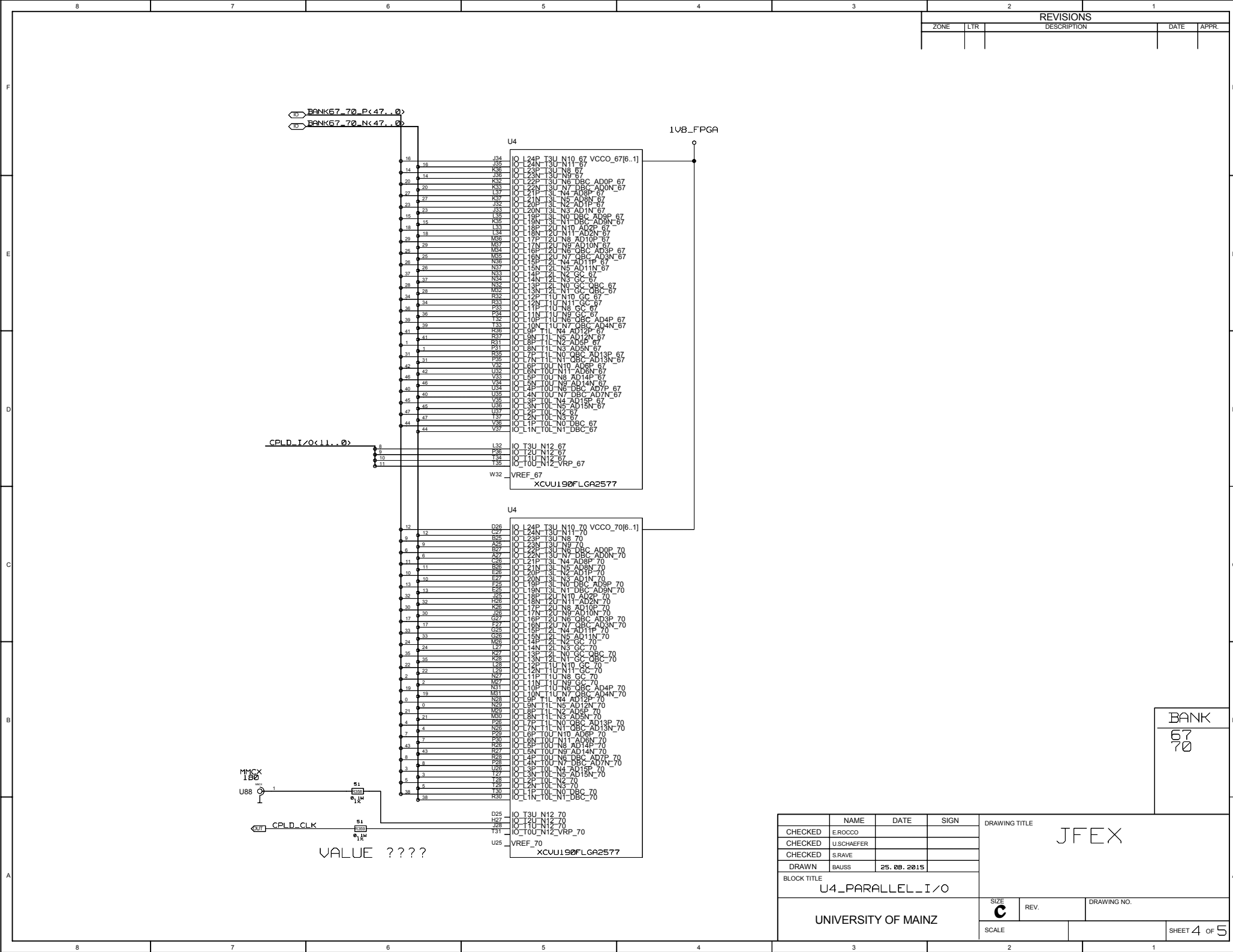
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BLOCK TITLE				DRAWING NO.	
U4_PARALLEL_I/O				DRAWING NO.	
UNIVERSITY OF MAINZ				SIZE C	REV.
				SCALE	SHEET 2 OF 5



REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

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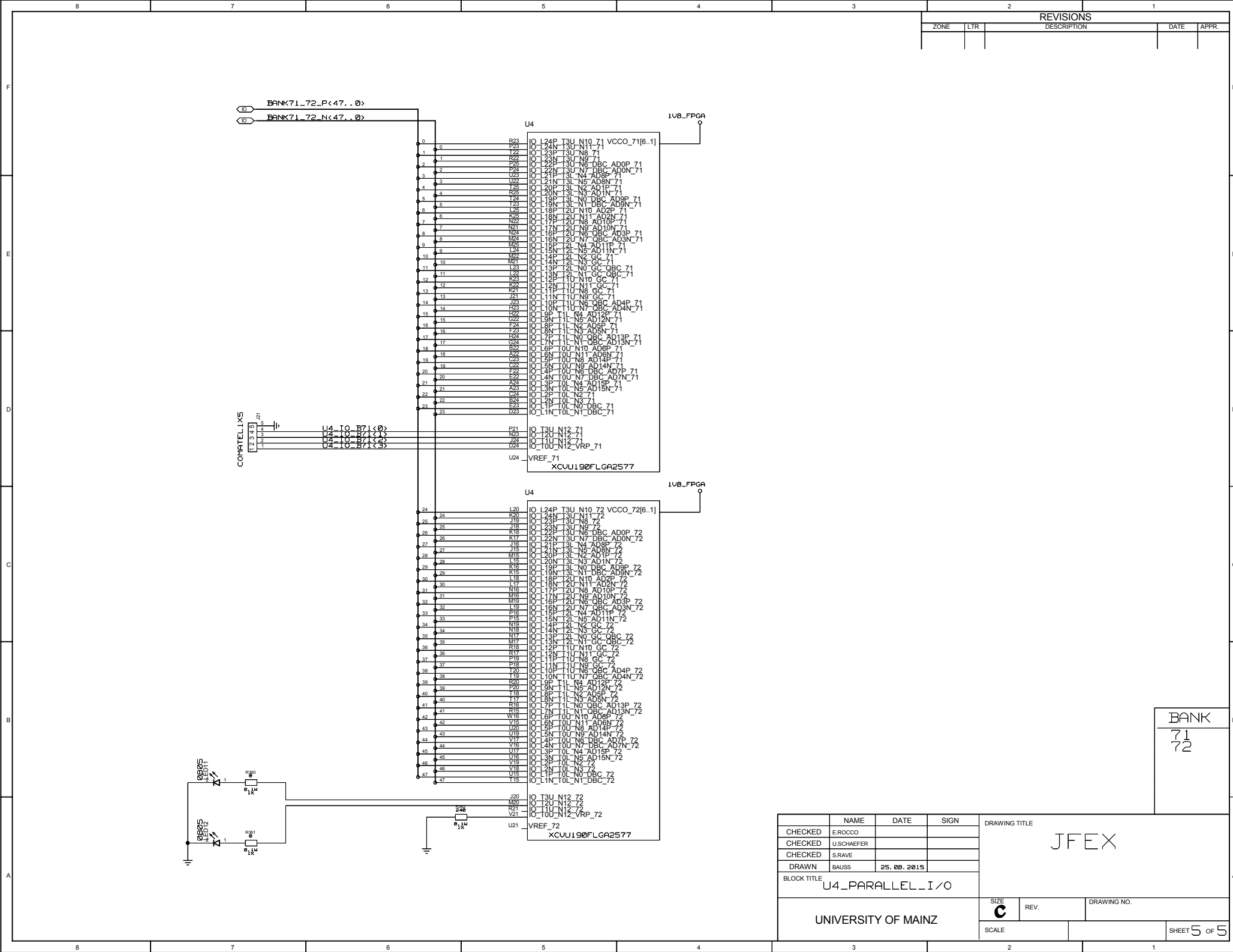
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CHECKED	S.RAVE				
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BLOCK TITLE U4_PARALLEL_I/O				SIZE C	REV.
UNIVERSITY OF MAINZ				DRAWING NO.	
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REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

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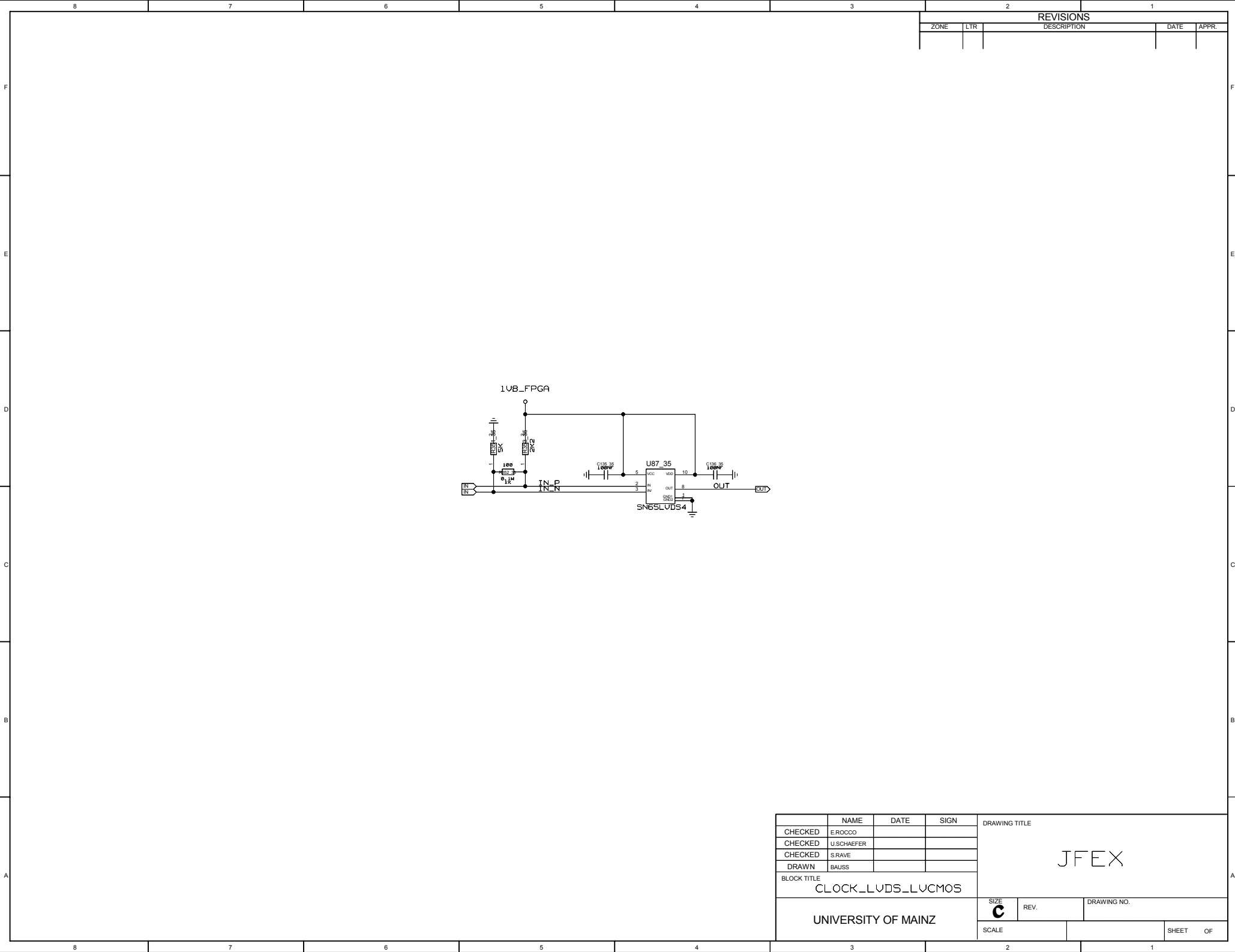
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CHECKED	E.ROCCO				
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DRAWN	BAUSS	25.08.2015			
BLOCK TITLE U4_PARALLEL_I/O				SIZE C	REV.
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REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

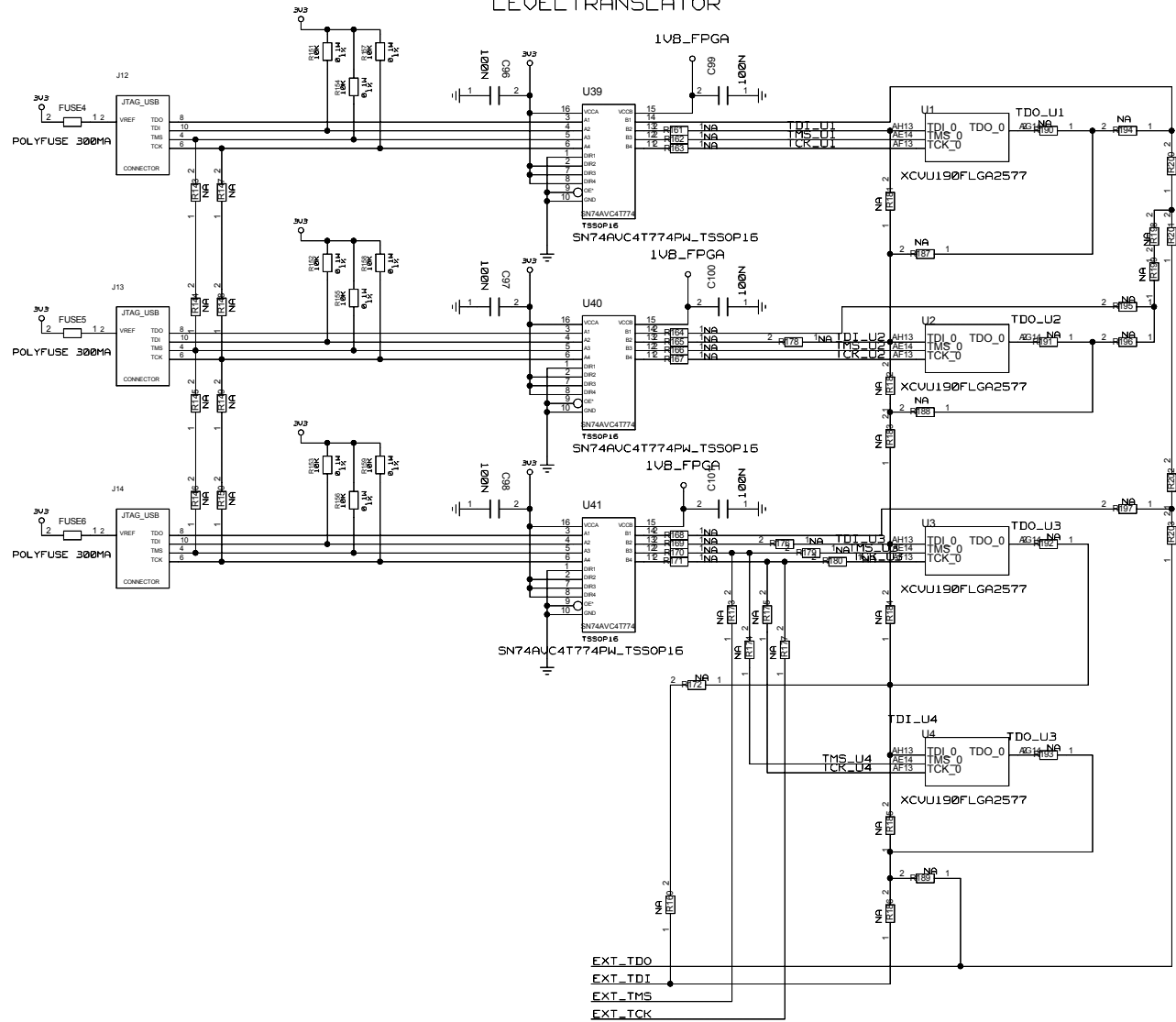
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NAME	DATE	SIGN	DRAWING TITLE	
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CHECKED S.RAVE				
DRAWN BAUSS	25.08.2015			
BLOCK TITLE			U4_PARALLEL_I/O	
UNIVERSITY OF MAINZ			SIZE C	REV.
			SCALE	DRAWING NO.
				SHEET 5 OF 5



CLOSE TOGETHER
NEAR FRONTPANEL

LEVELTRANSLATOR



REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

		NAME	DATE	SIGN	DRAWING TITLE		
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CHECKED		U.SCHAEFER					
CHECKED		S.RAVE					
DRAWN		BAUSS	15. 07. 2015				
BLOCK TITLE					JTAG CHAIN		
JTAG							
UNIVERSITY OF MAINZ							
SIZE		REV.		DRAWING NO.			
SCALE					SHEET OF		