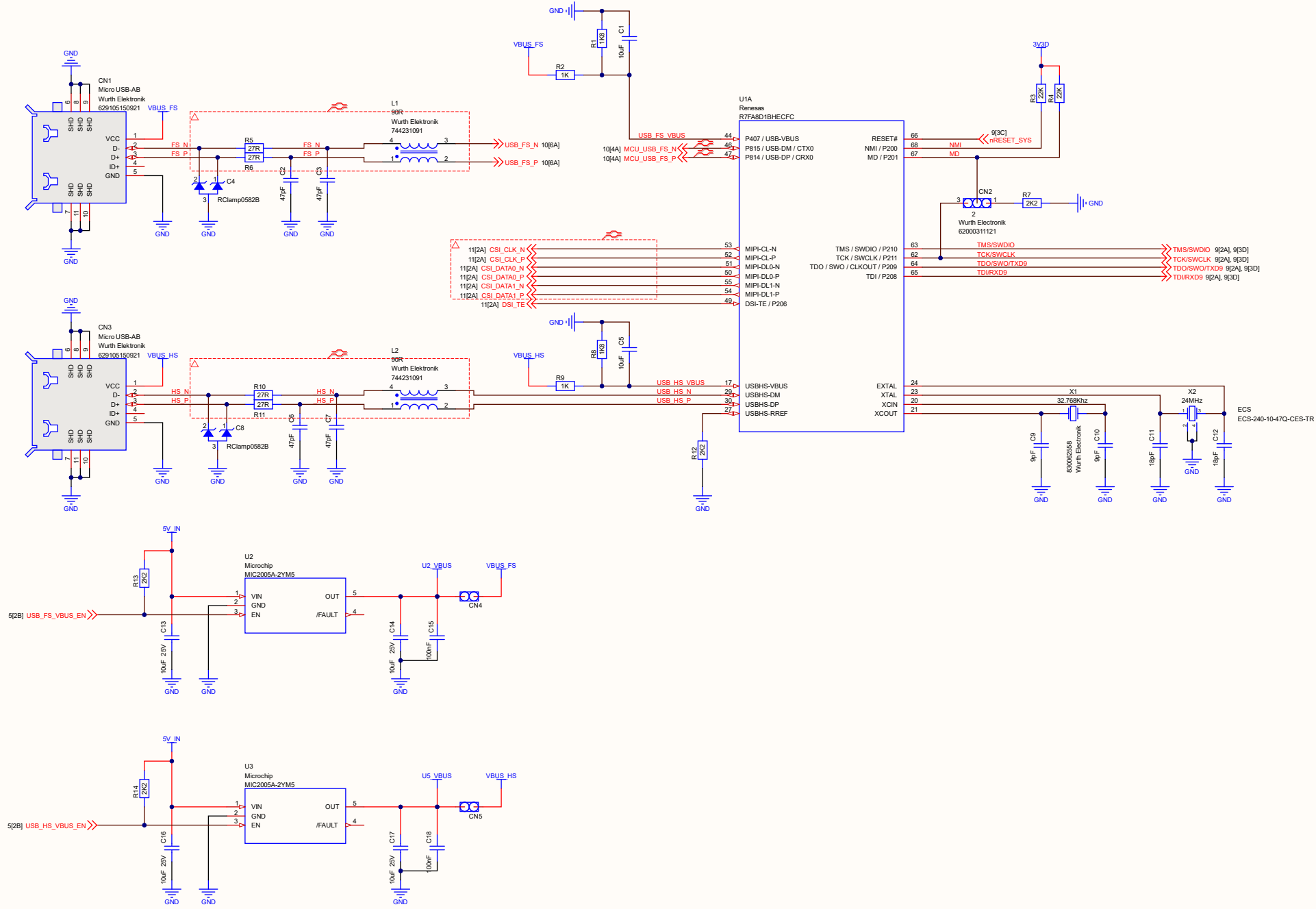

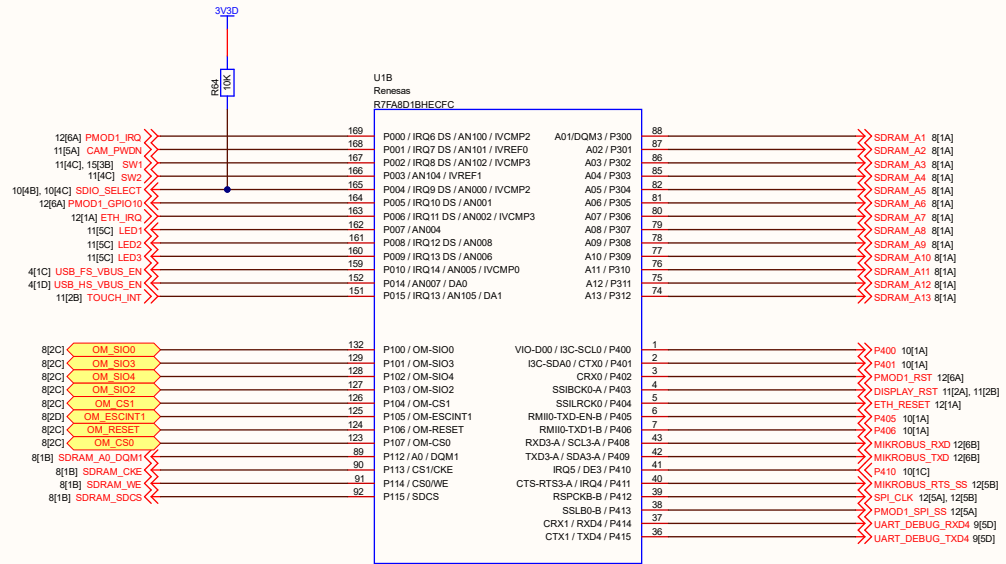
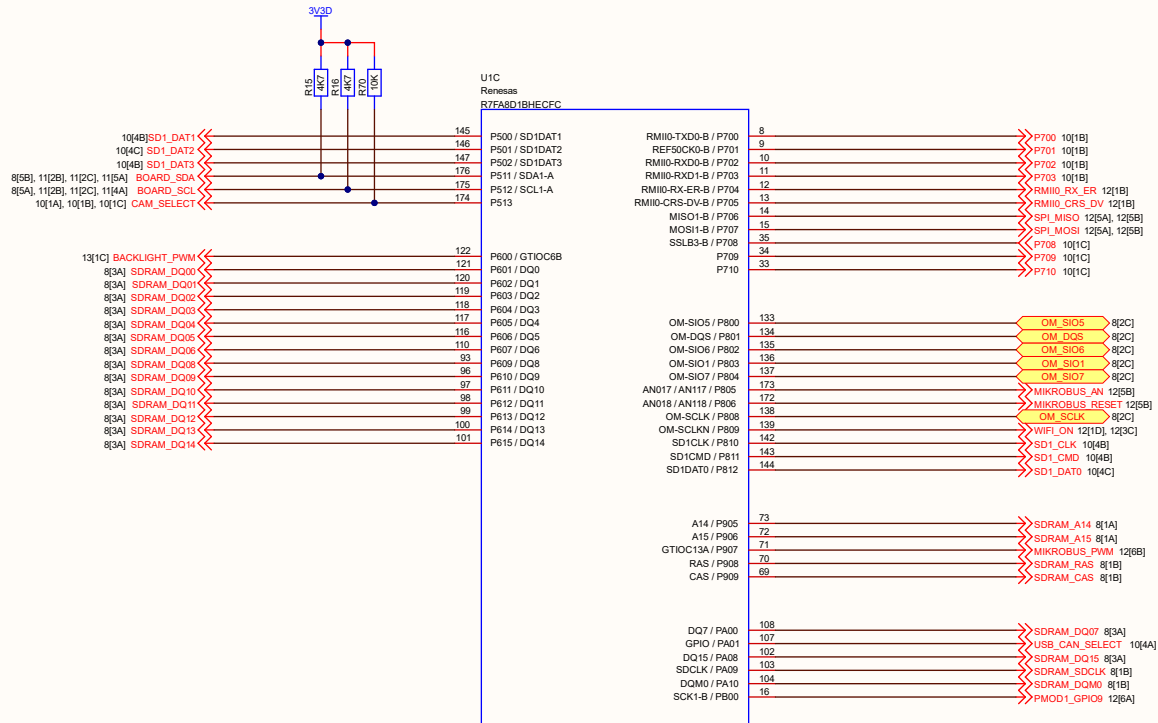
	PRODUCT		M13-RA8x1-EK Evaluation Board			DRAWN BY	Patrick SIONG	DRAWN DATE	2023.12.05
	PAGE		Board Diagram			APPROVED BY		APPD. DATE	
	REFERENCE	VERSION	REV	REMARKS			UPDATED ON	SIZE	SHEET
	MTD0001.2301	V0.1					2024.02.01	A4	3 OF 1




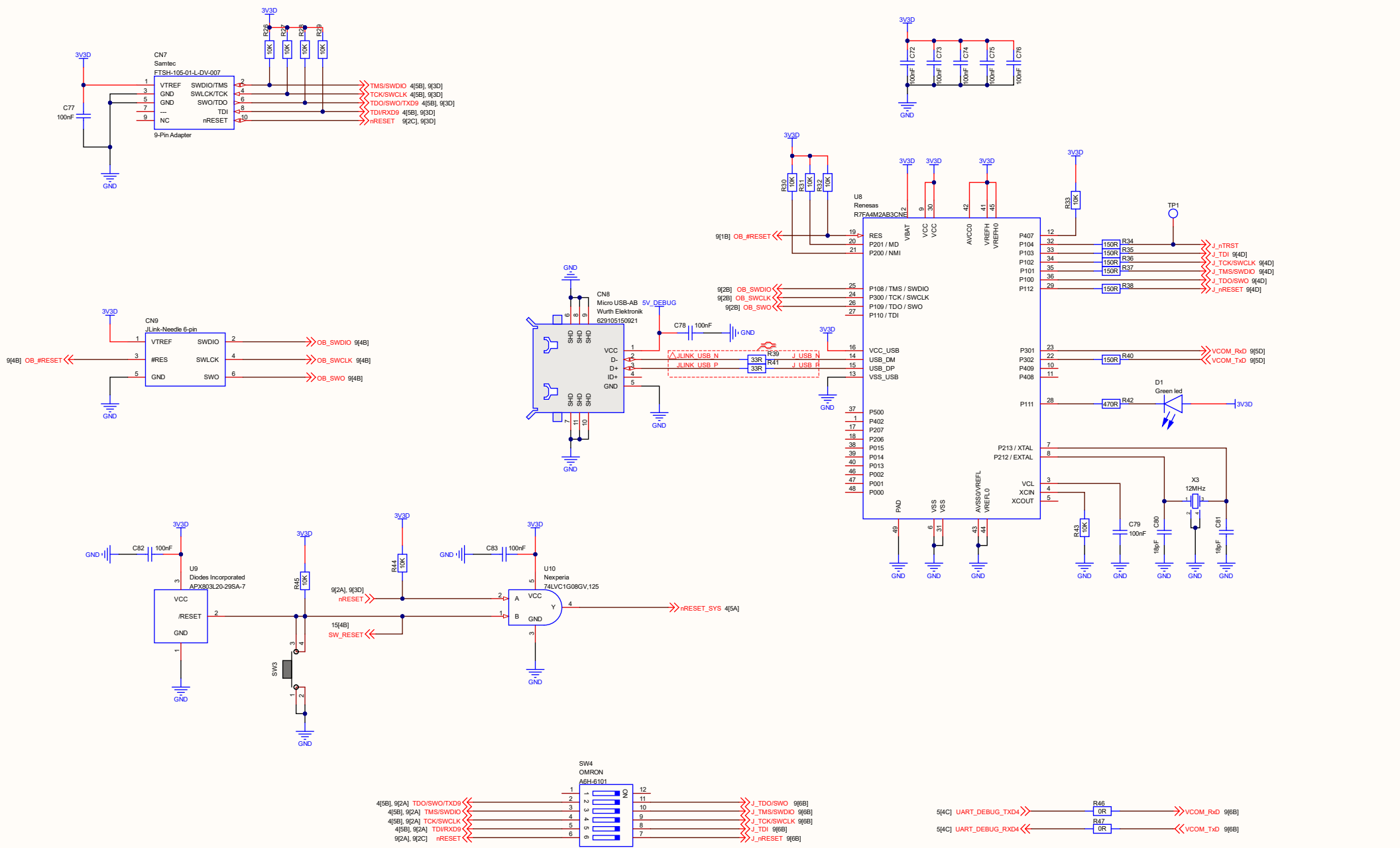
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	PAGE		RA8 MCU - Clock/USB/JTAG		APPROVED BY		APPD. DATE	
	REFERENCE	VERSION	REV	REMARKS	UPDATED ON		SIZE	SHEET
	MTD0001.2301	V0.1	4		2024.02.01		A4	4 OF 14




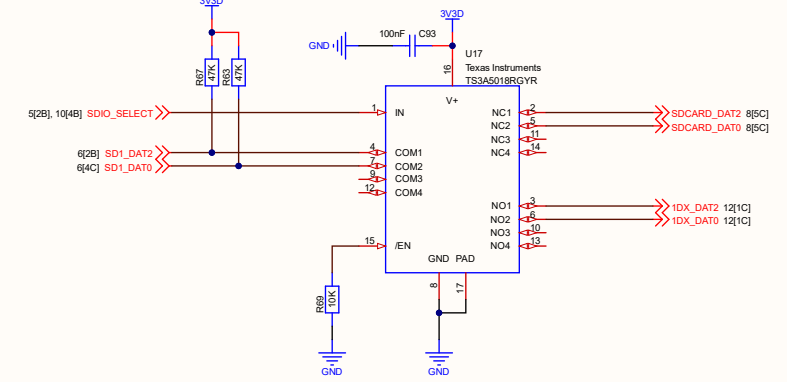
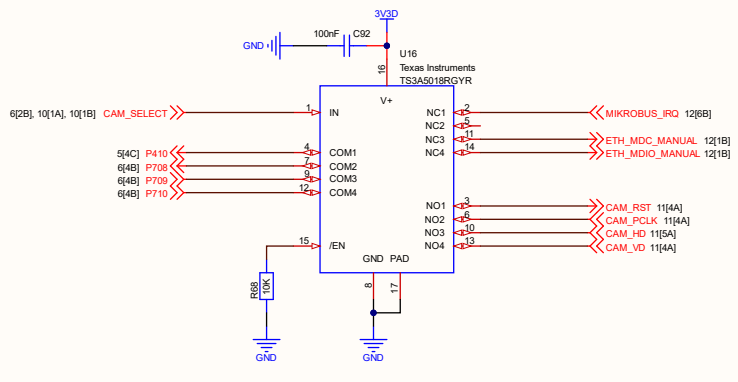
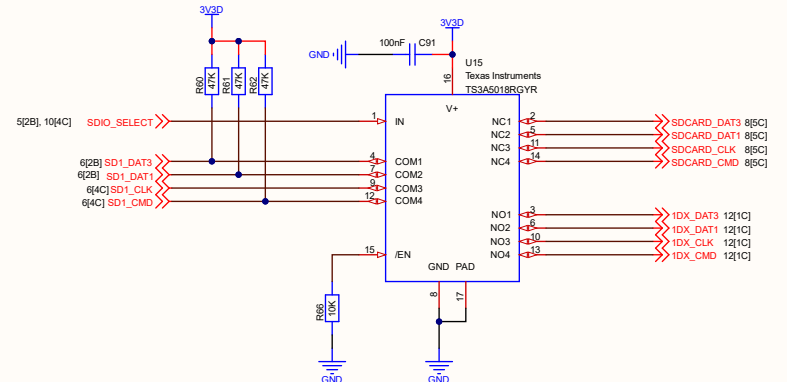
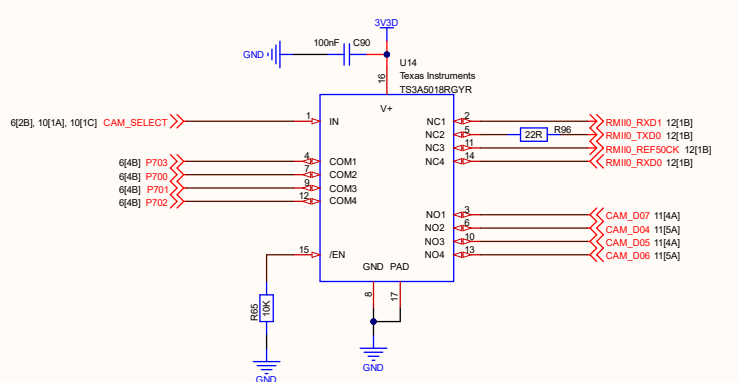
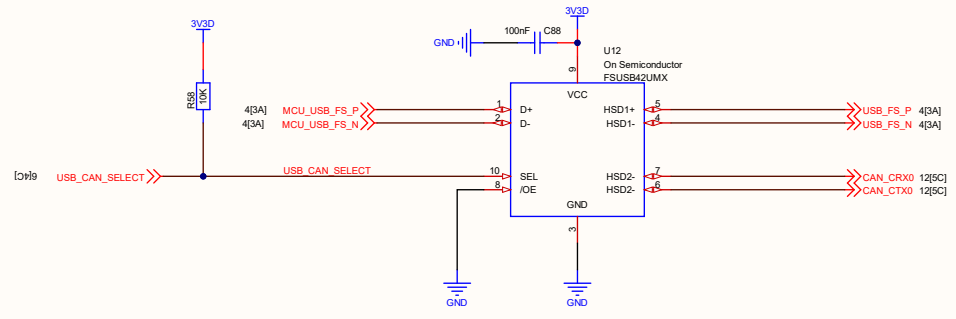
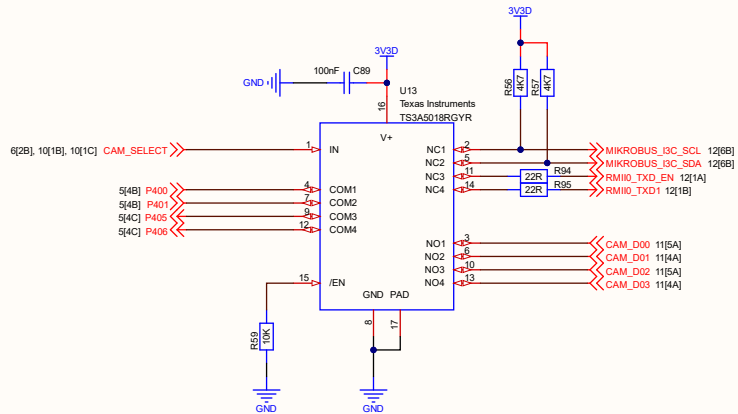
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	PAGE		RA8 - GPIO connection P0 to P4			APPROVED BY		APPD. DATE	
	REFERENCE	VERSION	REV	REMARKS			UPDATED ON	SIZE	SHEET
	MTD0001.2301	V0.1					2024.02.01	A4	5 OF 14



	PRODUCT		M13-RA8x1-EK Evaluation Board			DRAWN BY	Patrick SIONG	DRAWN DATE	2023.12.05
	PAGE		RA8 - GPIO connection P5 to PB			APPROVED BY		APPD. DATE	
	REFERENCE	VERSION	REV	REMARKS			UPDATED ON	SIZE	SHEET
	MTD0001.2301	V0.1					2024.02.01	A4	6 OF 14



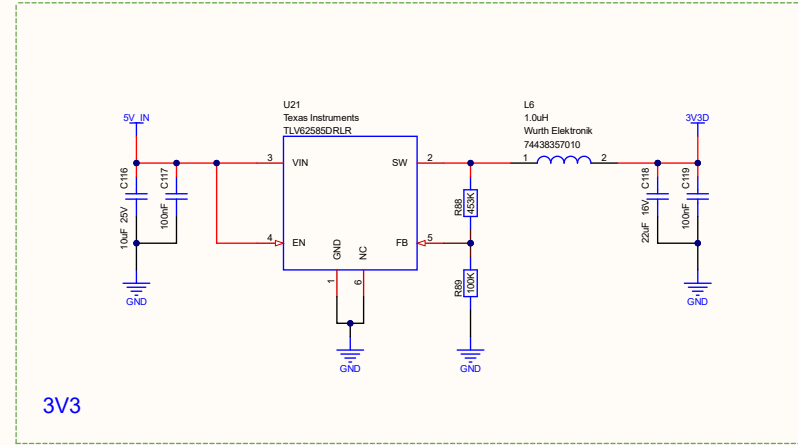
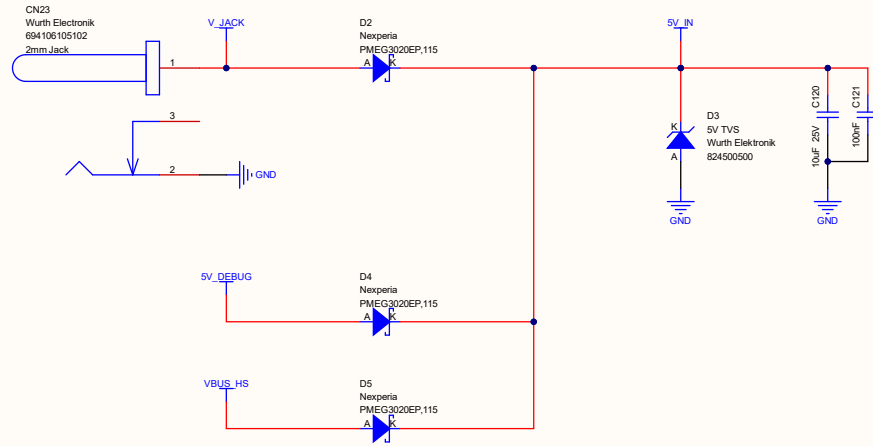
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	PAGE		On Board Debug Interface			APPROVED BY		APPD. DATE	
	REFERENCE	VERSION	REV	REMARKS			UPDATED ON	SIZE	SHEET
	MTD0001.2301	V0.1	4				2024.02.01	A4	9 OF 14



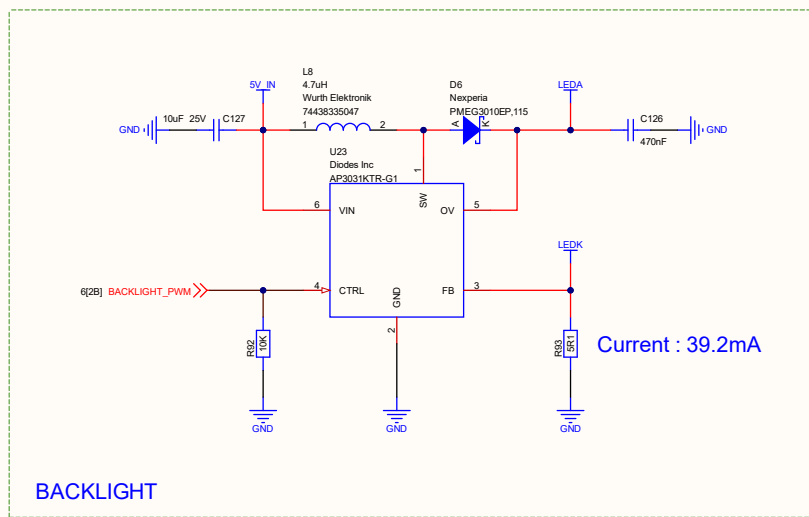
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LOW	ETH / MIKROBUS
HIGH	CAMERA

PRODUCT		M13-RA8x1-EK Evaluation Board			DRAWN BY		Patrick SIONG		DRAWN DATE		2023.12.05		
PAGE		Multiplexing			APPROVED BY				APPD. DATE				
REFERENCE		VERSION		REV		REMARKS		UPDATED ON		SIZE		SHEET	
MTD0001.2301		V0.1						2024.02.01		A4		10 OF 14	

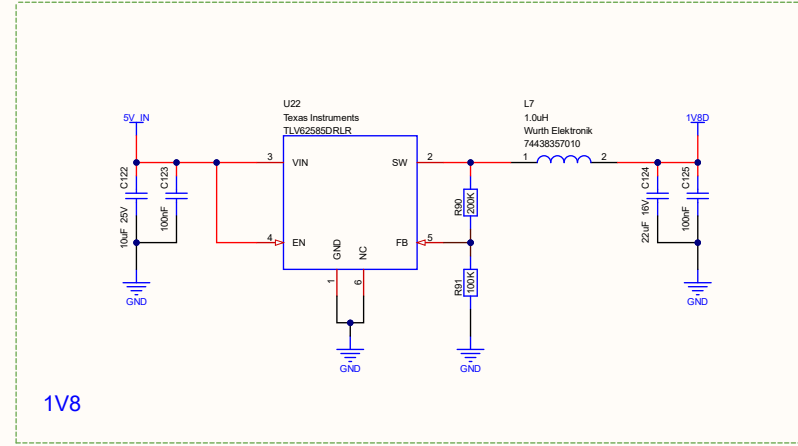




3V3



BACKLIGHT



1V8


	PRODUCT				M13-RA8x1-EK Evaluation Board		DRAWN BY		Patrick SIONG		DRAWN DATE		2023.12.05			
	PAGE				Board Power Supply				APPROVED BY				APPD. DATE			
	REFERENCE		VERSION		REV		REMARKS				UPDATED ON		SIZE		SHEET	
	MTD0001.2301		V0.1								2024.02.01		A4		13 OF 14	

REVISION HISTORY

DATE	VERSION	CHANGES
2023.12.05	V1.0	First draft

LCD1



	PRODUCT	M13-RA8x1-EK Evaluation Board			DRAWN BY	Patrick SIONG	DRAWN DATE	2023.12.05
	PAGE	Mechanical & Revision			APPROVED BY		APPD. DATE	
	REFERENCE	VERSION	REV	REMARKS	UPDATED ON	SIZE	SHEET	
	MTD0001.2301	V0.1			2024.02.01	A4	14 OF 14	