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Würth Elektronik eiSos is one of the leading manufacturers of electronic and electromechanical components in Europe. The product portfolio includes: EMC Components, EMC Filters, Capacitors, Inductors, RF Inductors and LTCC Components, Resistors, Quartz, Oscillators, Transformers, Components for Circuit Protection, Power Modules, LEDs, Connectors, Switches, High-Power Contacts, Assembly Technique, Wireless Connectivity and Sensors.



SEGGER has over twenty-five years of experience in Embedded Systems, producing cutting-edge RTOS and Software Libraries, and offering a full set of hardware tools (for development and production) and software tools. The J-Link debug probes, with Ozone the accompanying debugger and performance analyzer, and Embedded Studio the powerful cross platform C/C++ IDE, are available to support developers in creating their own embedded systems.



AP Memory is a memory IC design company focusing on Low to Mid density RAM solutions, providing a full range of IoT RAM (low pin count QSPI/OPI PSRAM), ADMUX RAM (CellularRAM), low power DRAM (LPDDR2/LPDDR3), as well as innovative solution for AI such as UHS OPI and more... Partnering with an advanced DRAM technology foundry, AP Memory provides world class performance, supply longevity, quality and cost, including high volume and customer oriented innovative and customized solutions, in both KGD and package form.


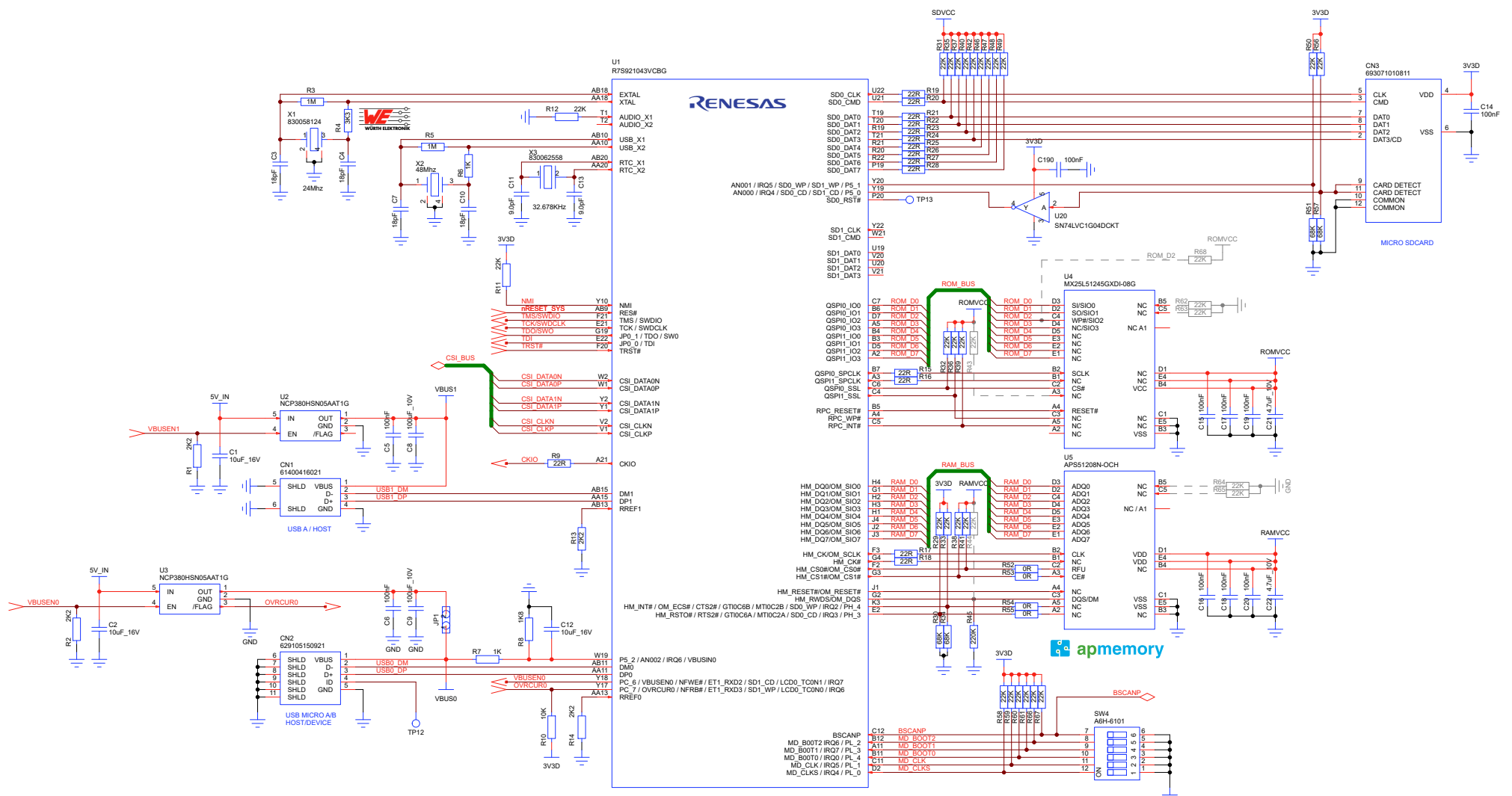
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	PAGE	TECHNOLOGY PARTNERS			APPROVED BY	TONY P.	DATE	2021.03.03
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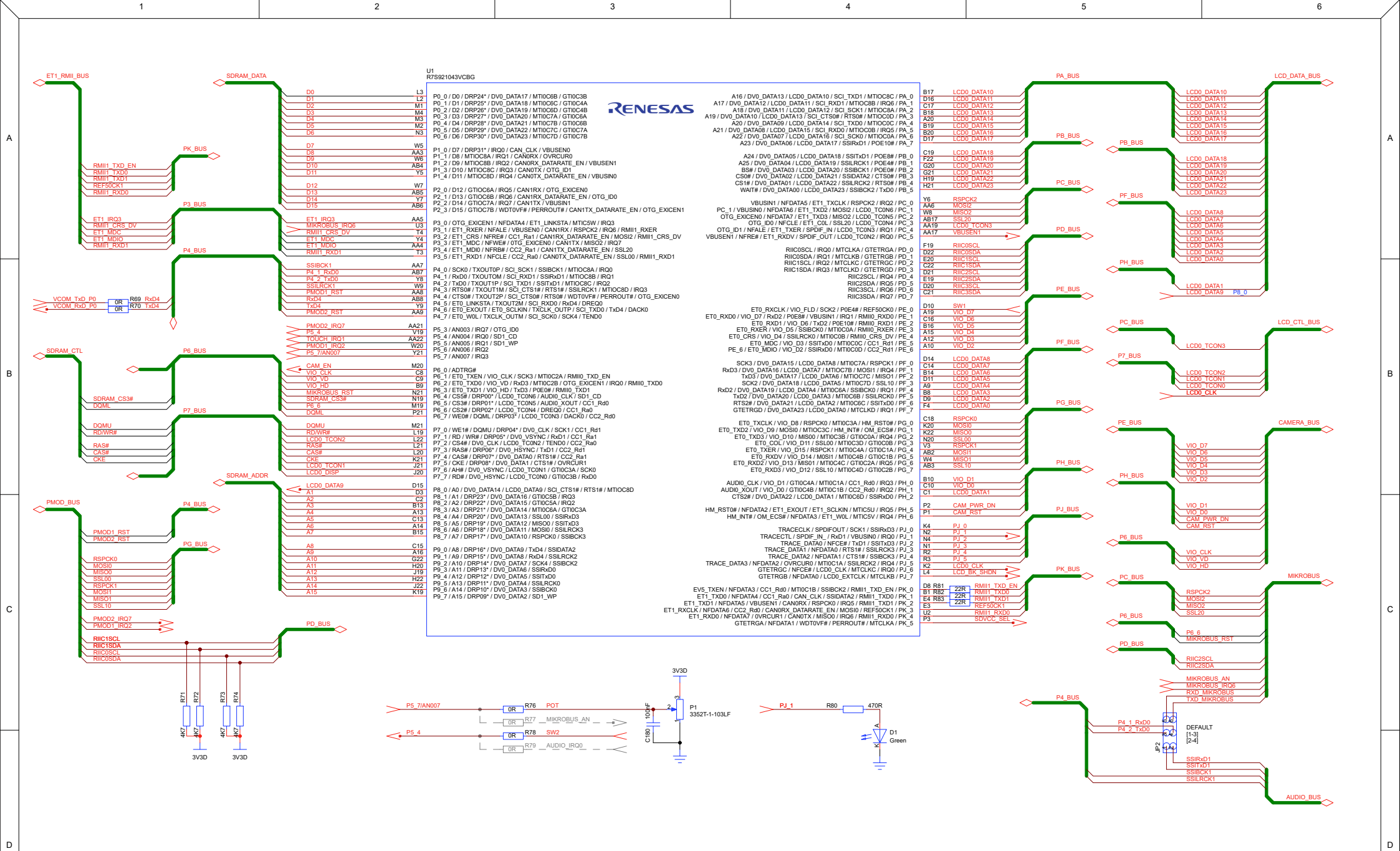
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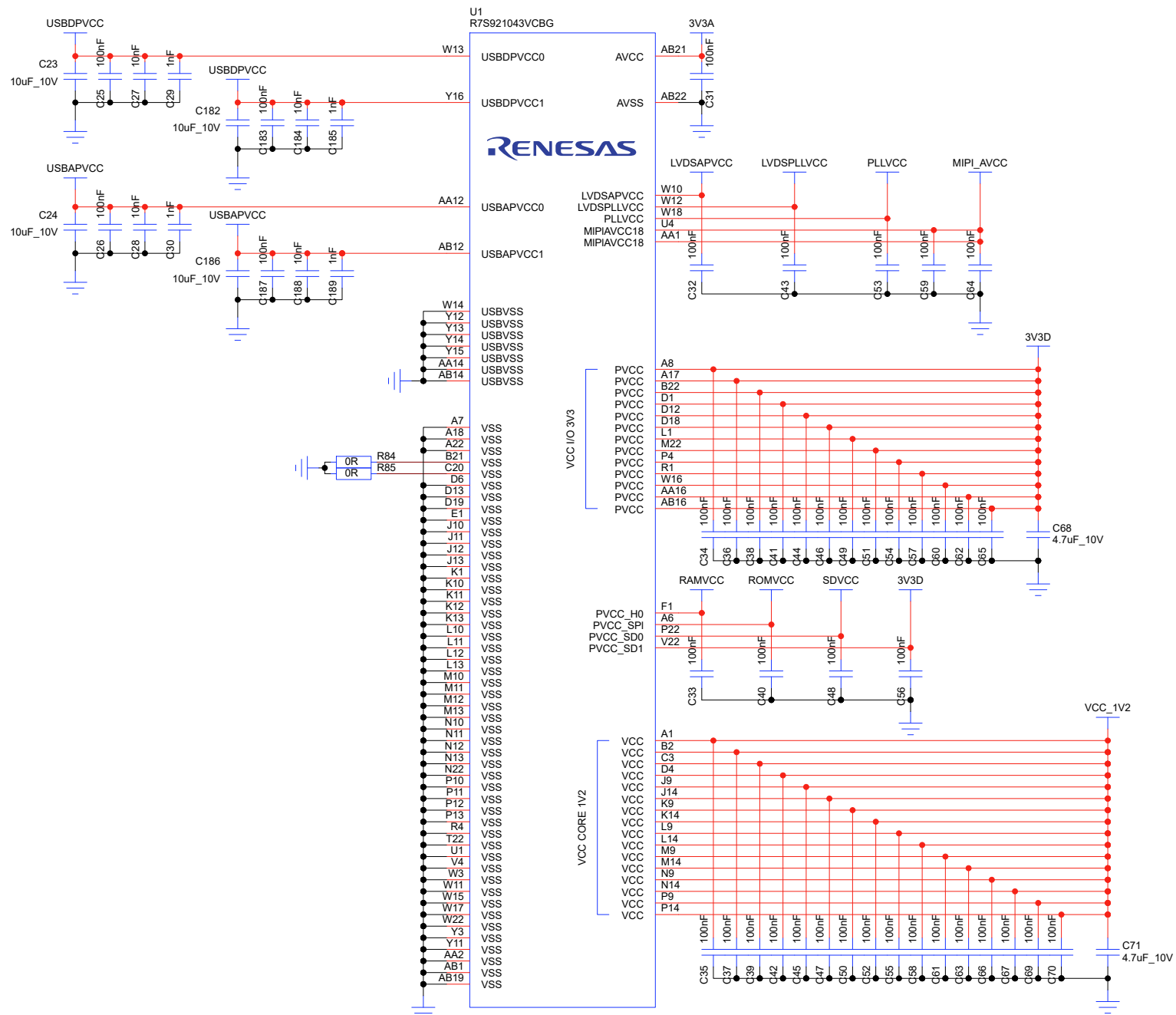


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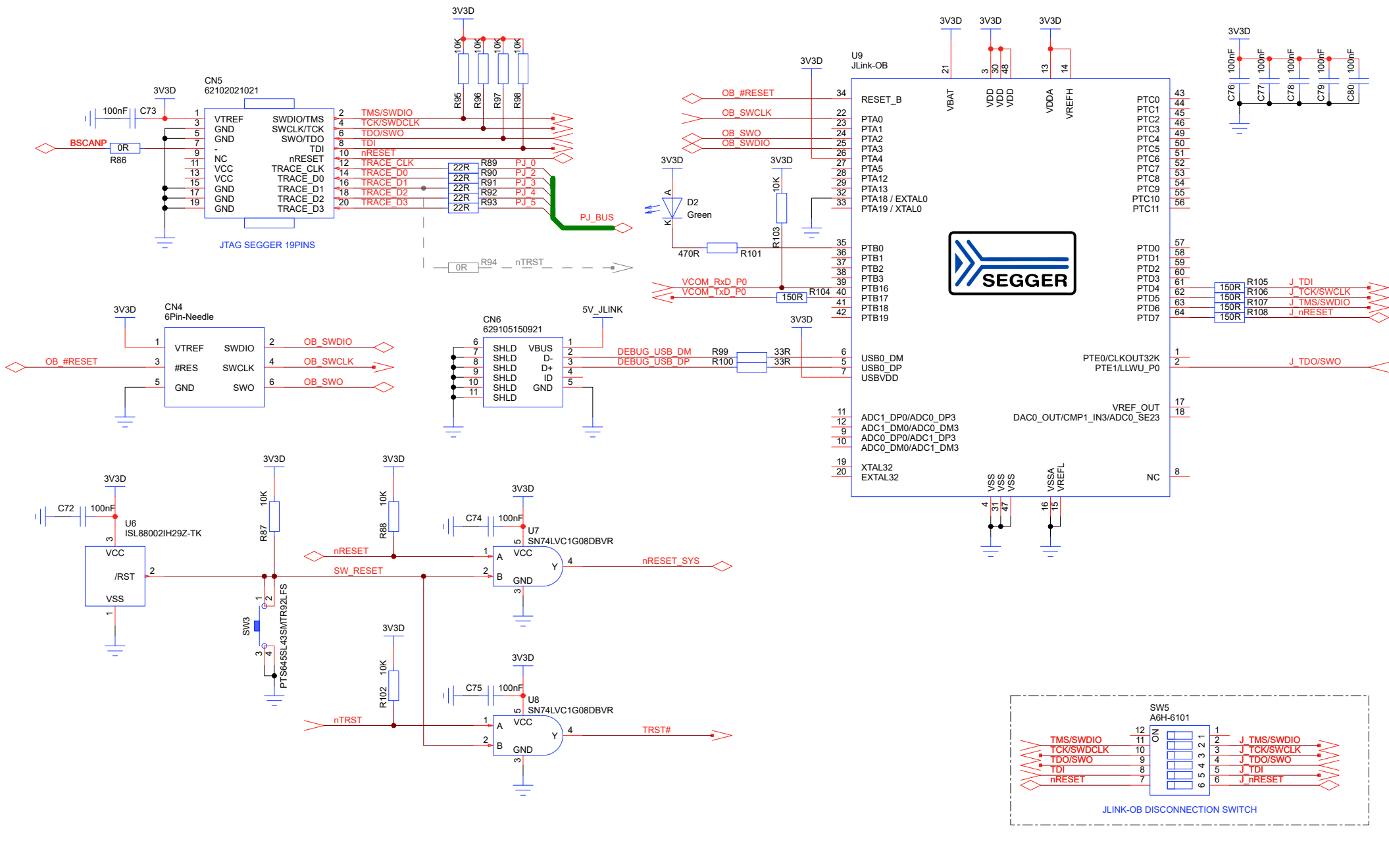


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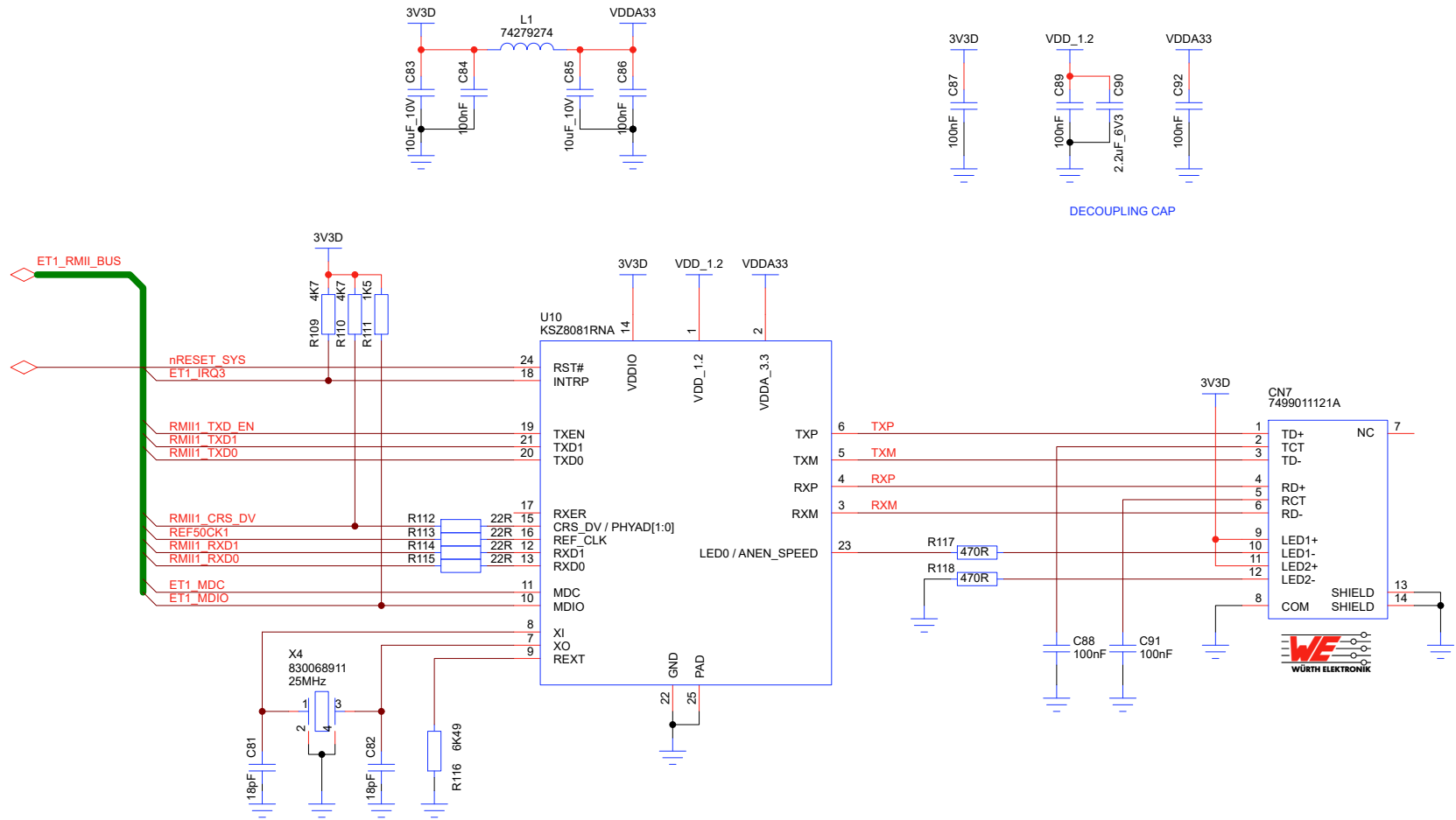




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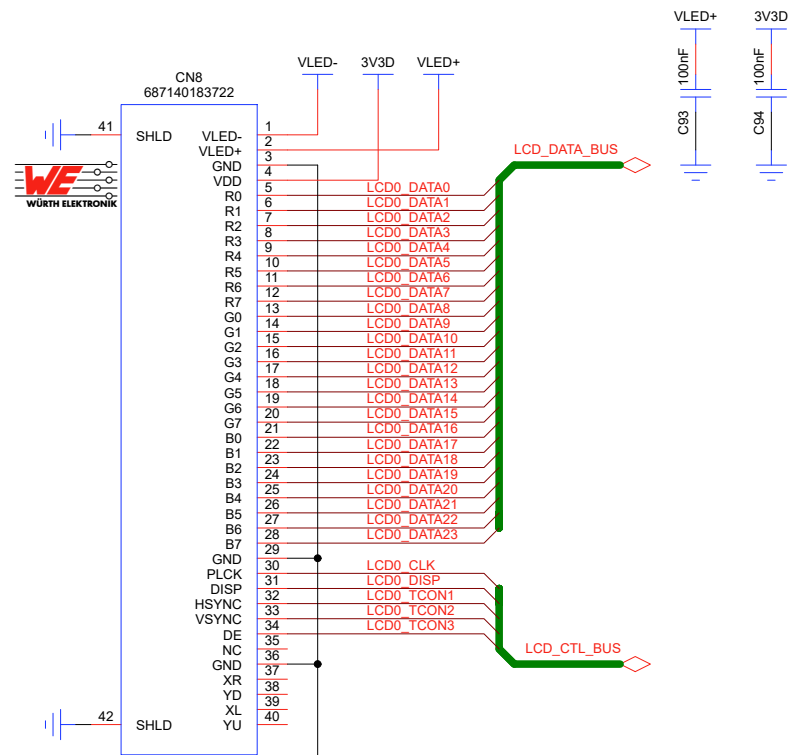


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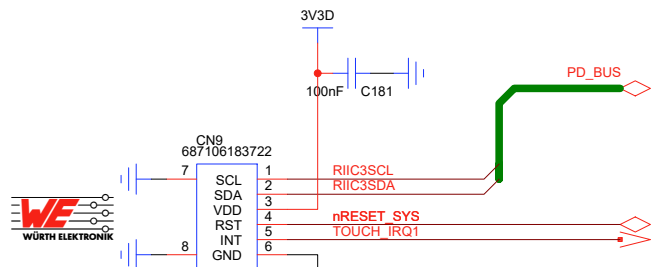


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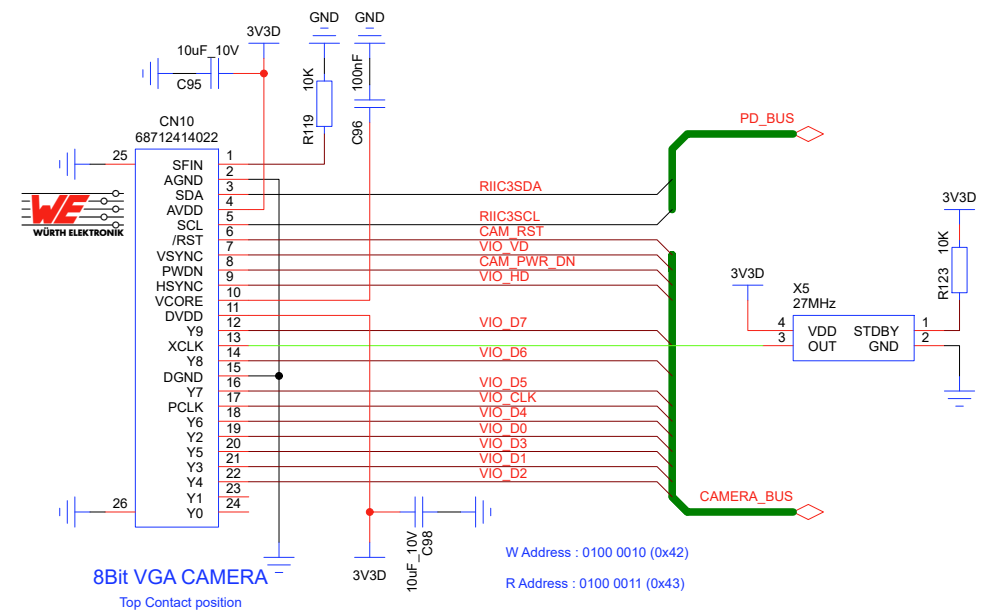


LCD CONNECTOR
Bottom Contact position



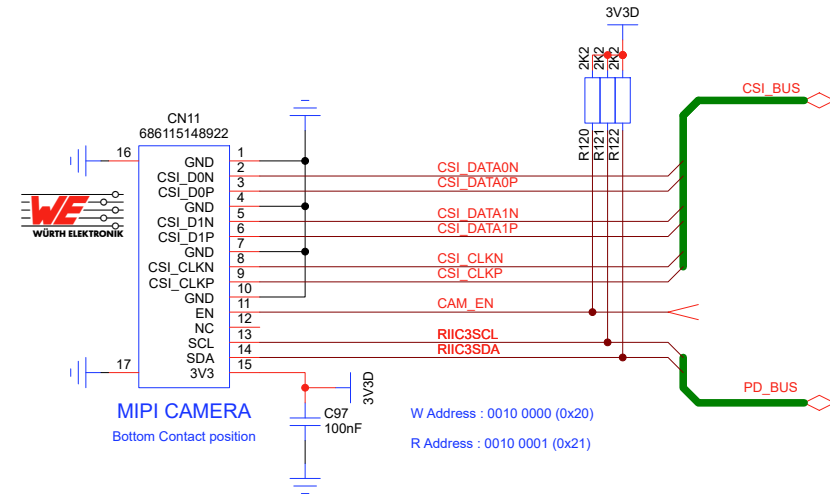
LCD CAPACITIVE TOUCH
Bottom Contact position

W Address : 0111 0000 (0x70)
R Address : 0111 0001 (0x71)



8Bit VGA CAMERA
Top Contact position

W Address : 0100 0010 (0x42)
R Address : 0100 0011 (0x43)

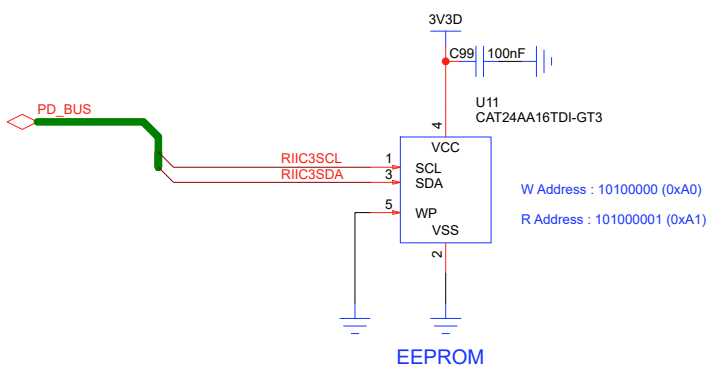
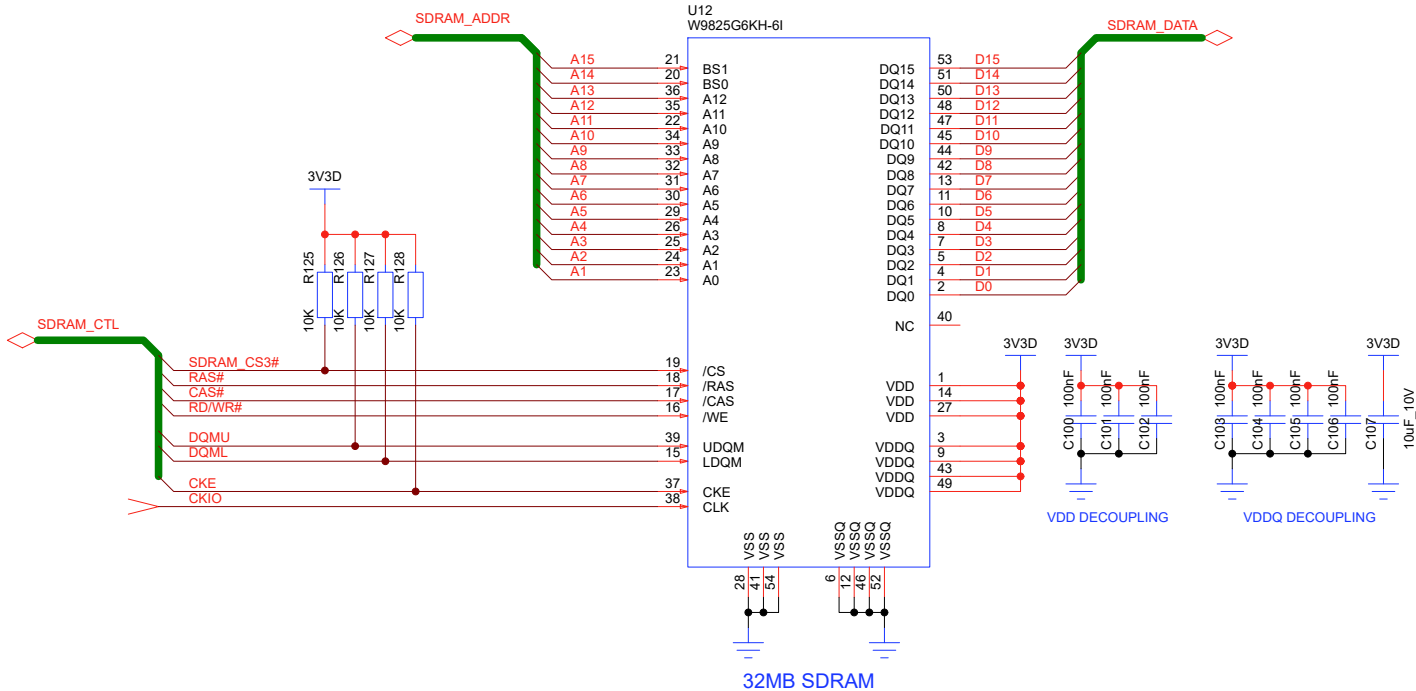


MIPI CAMERA
Bottom Contact position

W Address : 0010 0000 (0x20)
R Address : 0010 0001 (0x21)

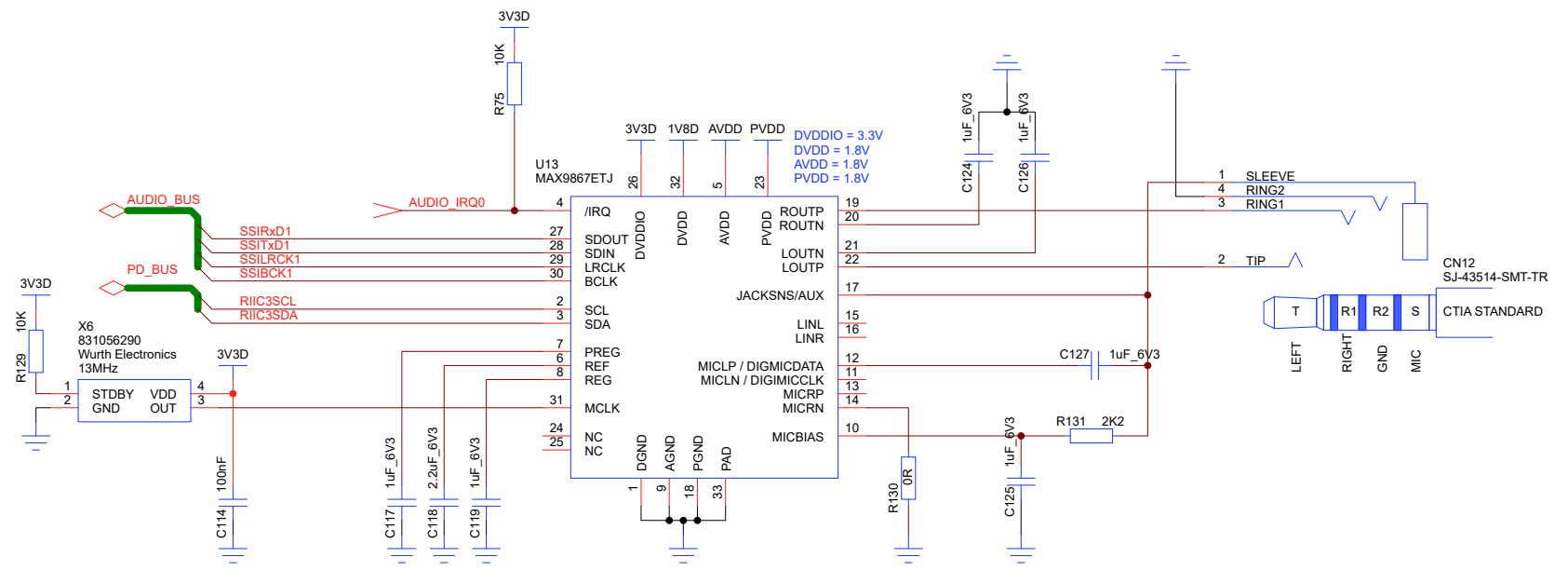
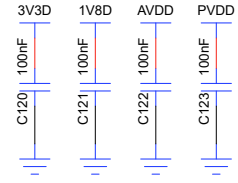
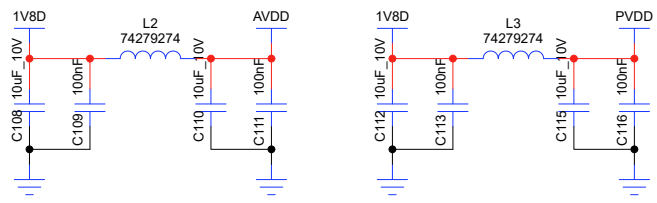
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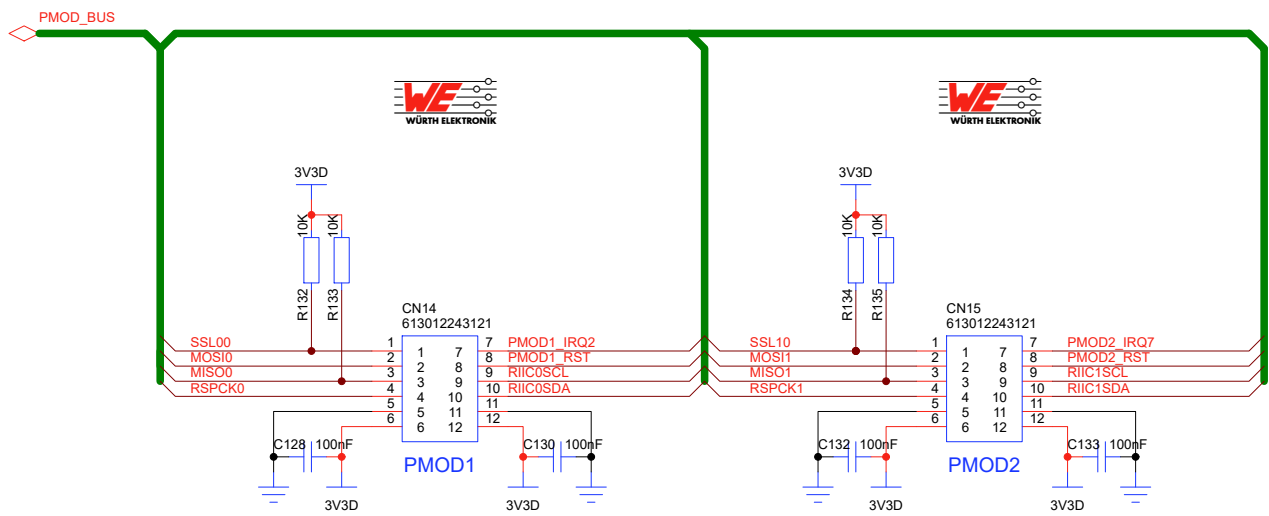
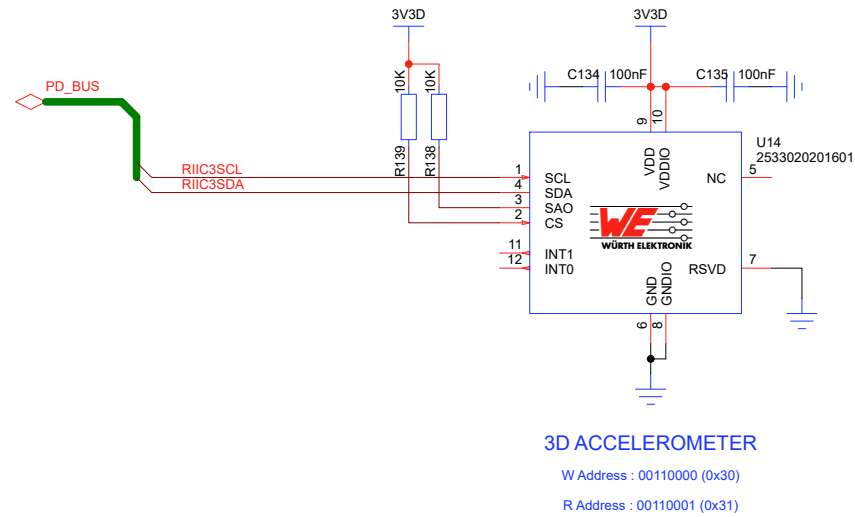
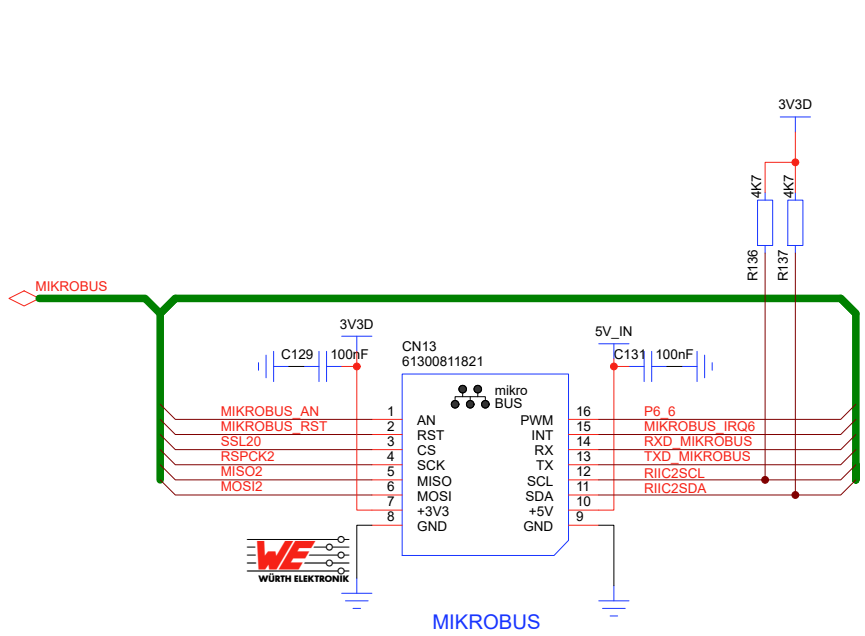




W Address : 0011 0000 (0x30)
R Address : 0011 0001 (0x31)

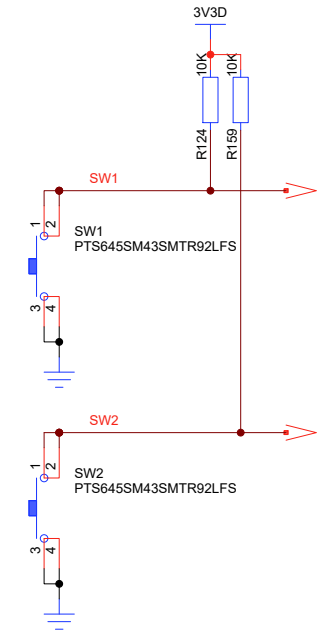
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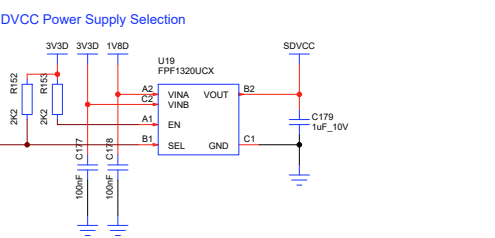
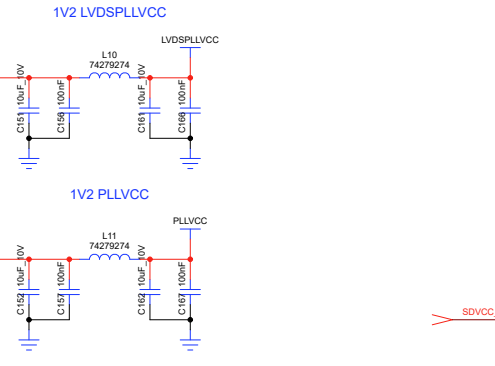
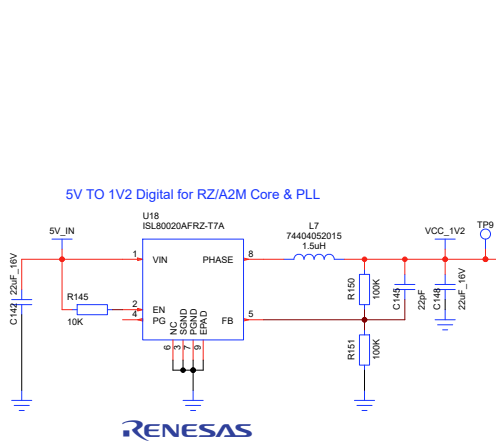
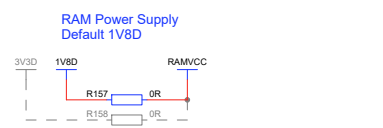
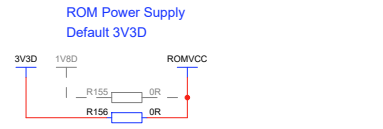
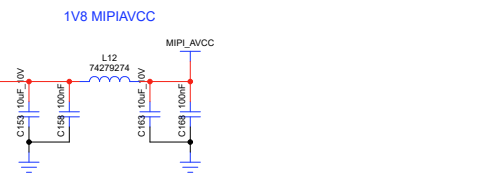
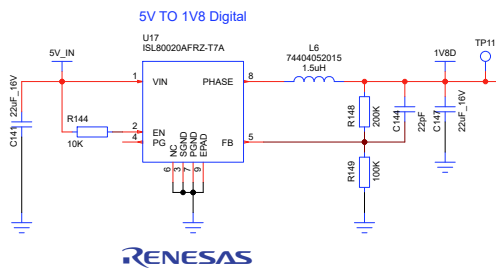
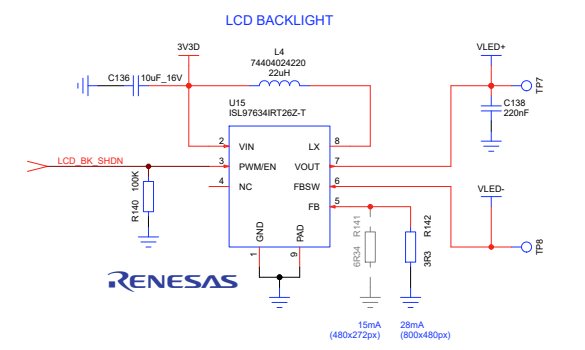
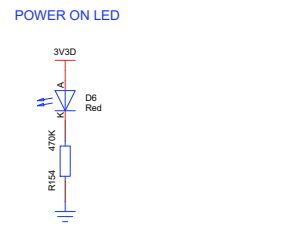
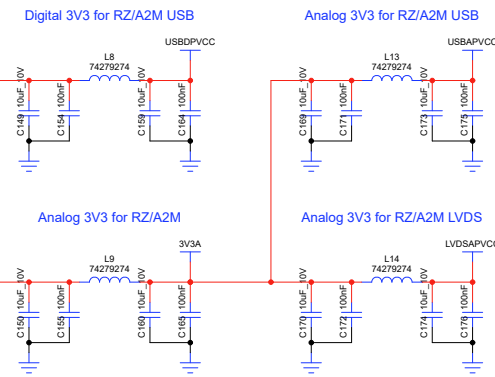
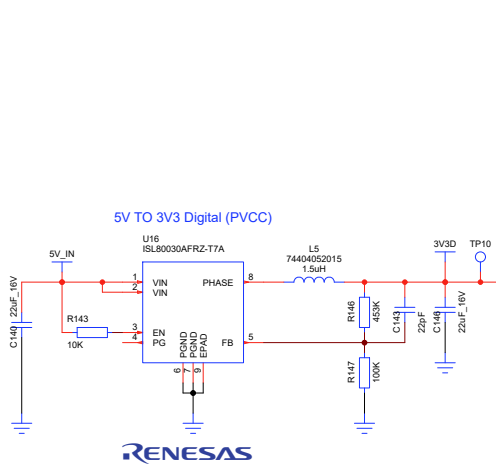
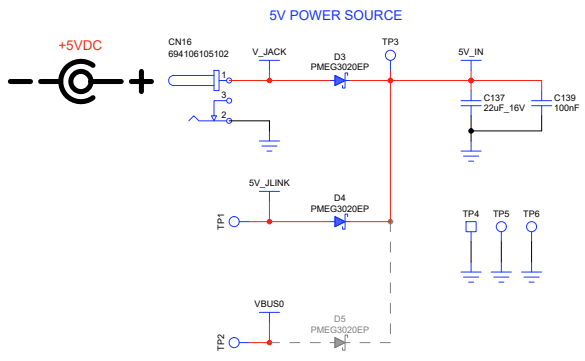


Compliant with Pmod Interfaces :
 - Type 2 (SPI) : On pin 1-6
 - Type 2A : On pin 1-12
 - Type 6 (I2C) : On pin 7-12

Compliant with Pmod Interfaces :
 - Type 2 (SPI) : On pin 1-6
 - Type 2A : On pin 1-12
 - Type 6 (I2C) : On pin 7-12




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REVISION HISTORY		
DATE	VERSION	CHANGES
2020.11.30	V1.0	Initial version
2021.03.03	V1.0	Changed PMOD LEFT to PMOD1 / Changed PMOD RIGHT to PMOD2
2021.04.02	V1.0	Added APMemory as the main external OctaRAM device on the HM/OM Interface (U5 on page 3)

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