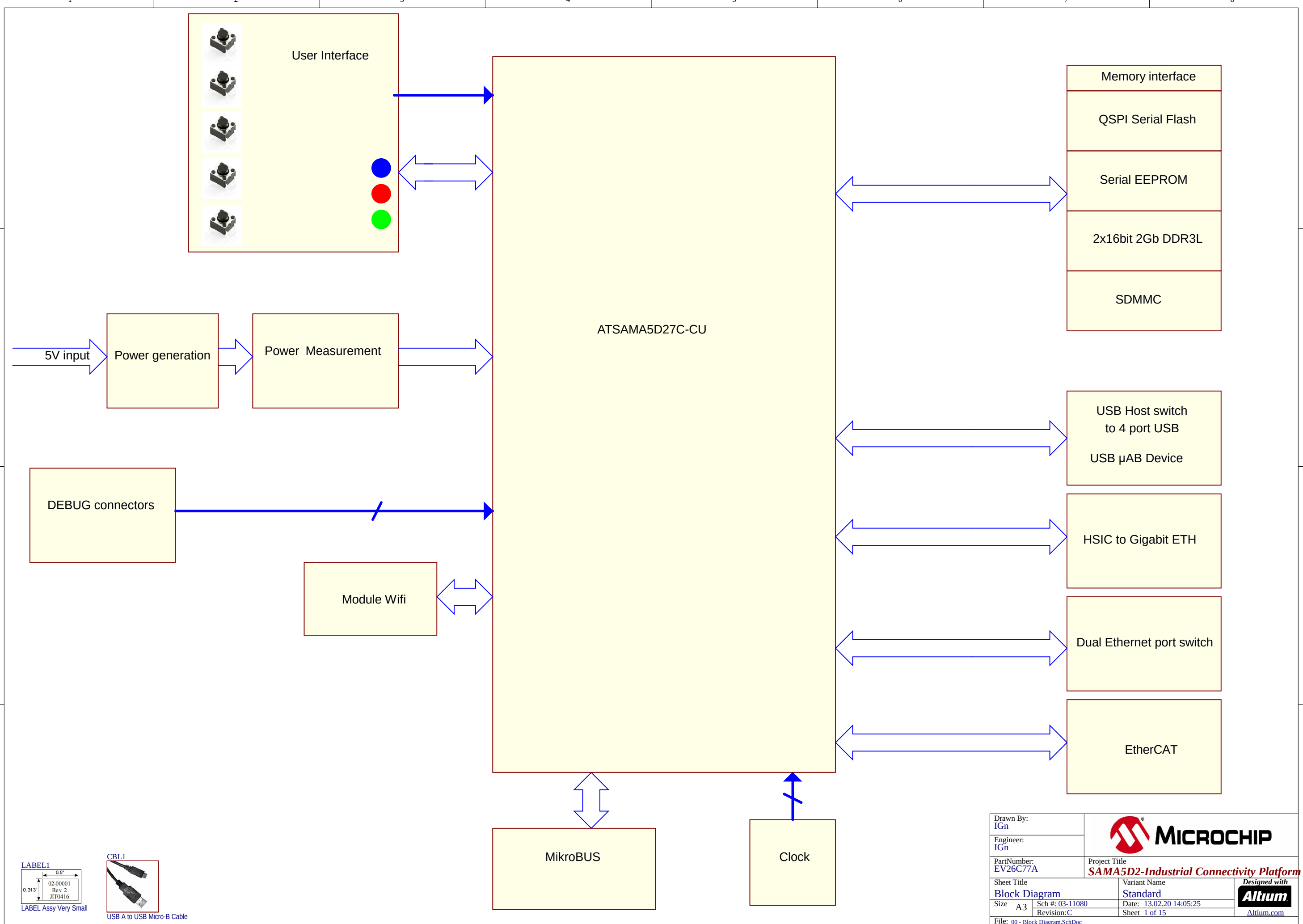


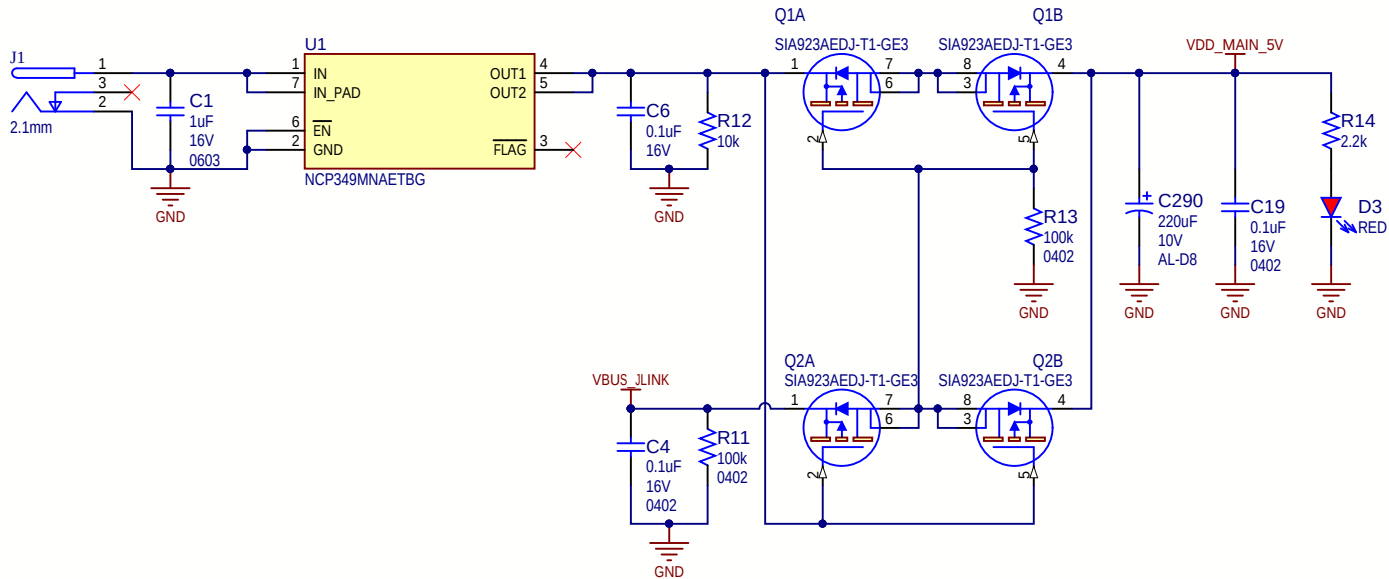
LABEL Assy Very Small



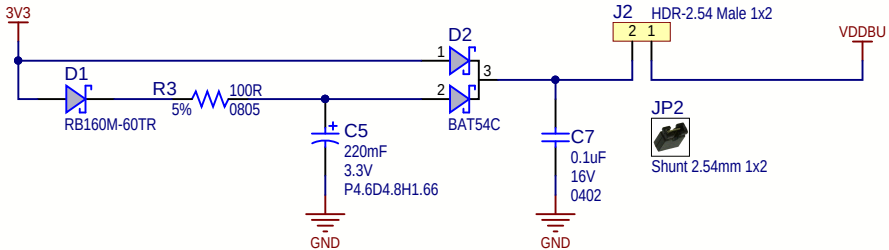
USB A to USB Micro-B Cable

Drawn By: IGN		 MICROCHIP	
Engineer: IGN			
PartNumber: EV26C77A		Project Title SAMA5D2-Industrial Connectivity Platform	
Sheet Title Block Diagram		Variant Name Standard	
Size A3	Sch #: 03-11080	Date: 13.02.20 14:05:25	 <i>Designed with</i> Altium Altium.com
	Revision: C	Sheet 1 of 15	
File: 00 - Block Diagram.SchDoc			

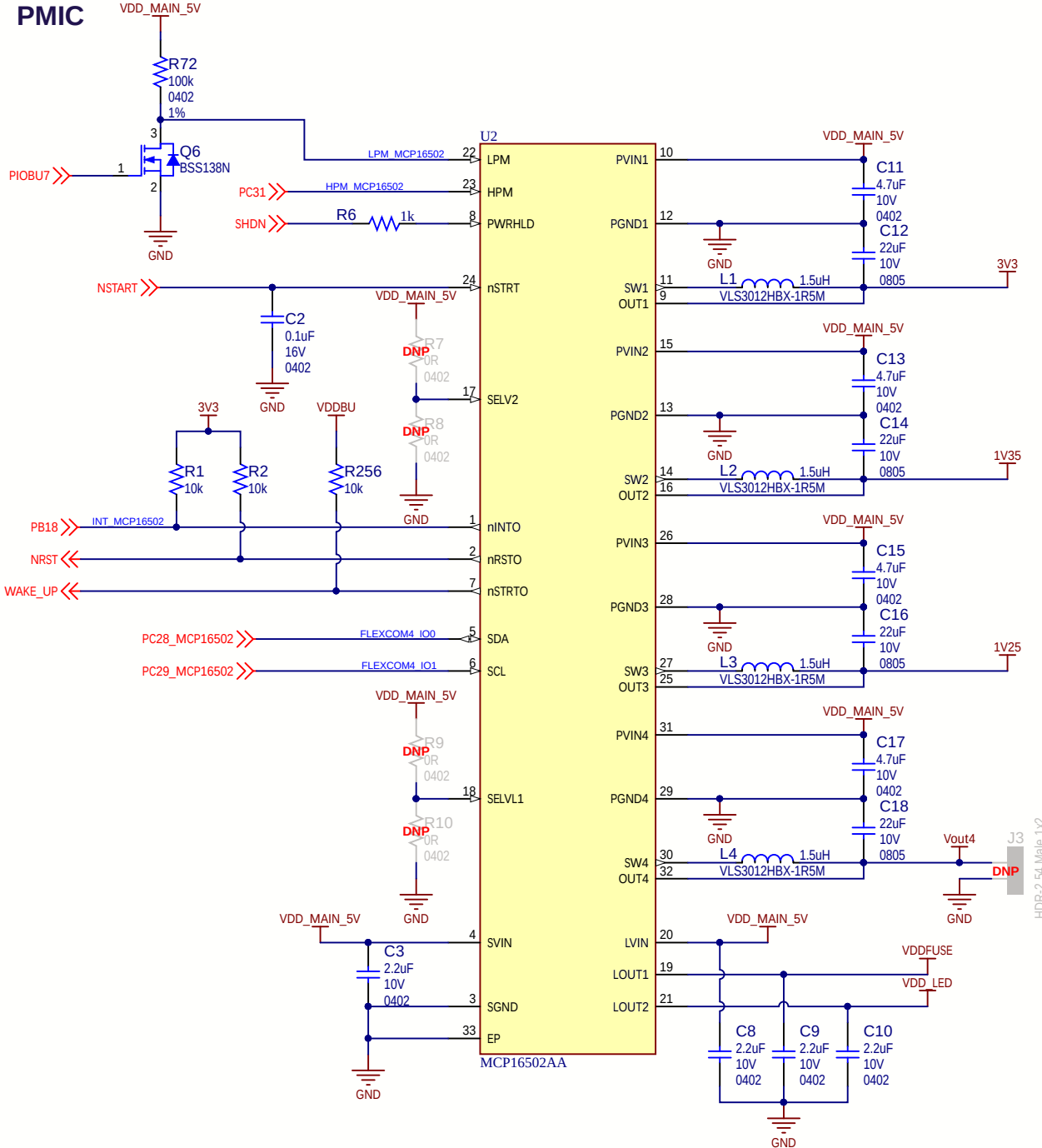
Input Power Options



Battery Unit

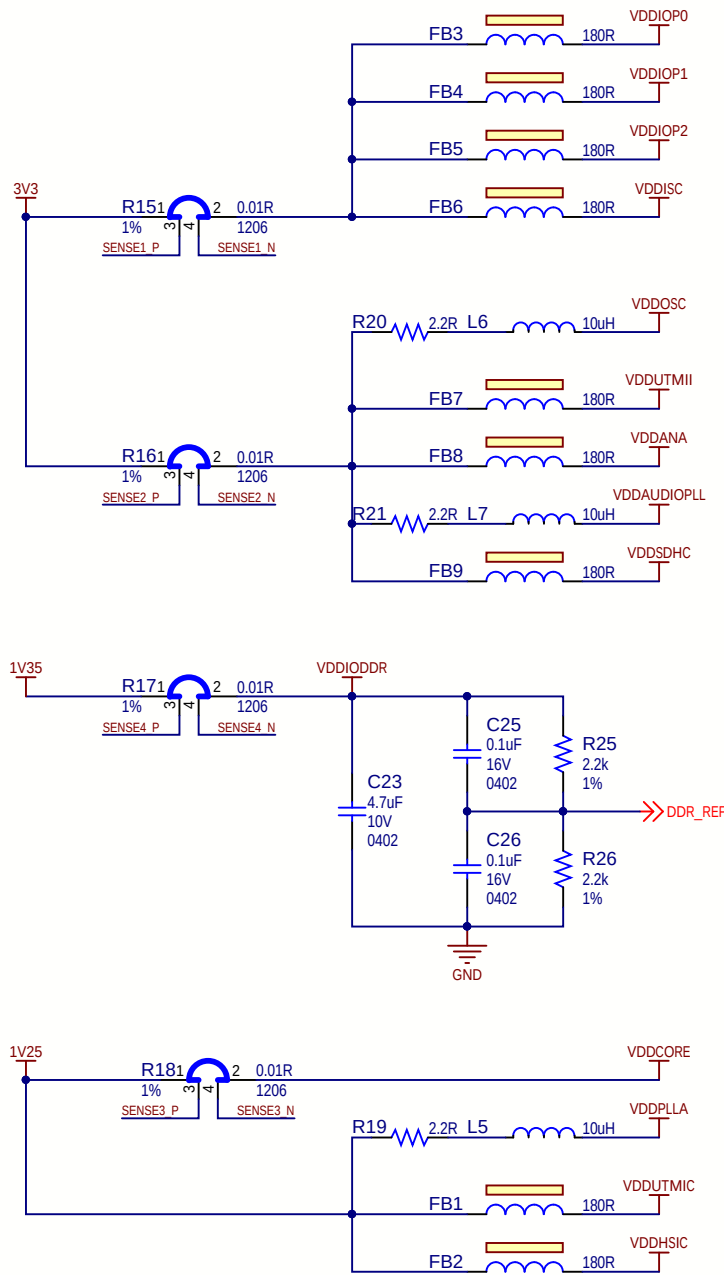


PMIC

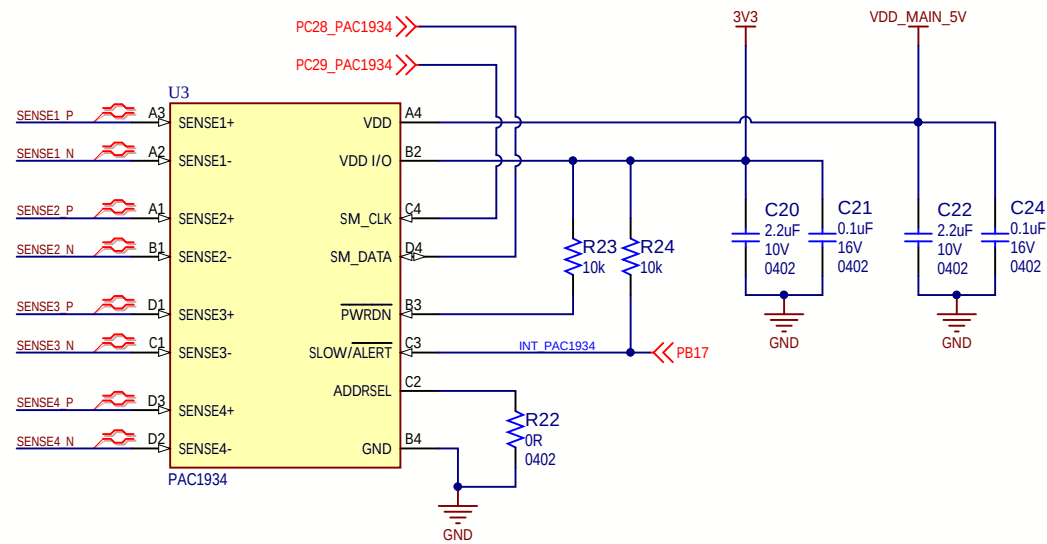


Drawn By: lGn	 MICROCHIP	
Engineer: lGn		
PartNumber: EV26C77A	Project Title SAMA5D2-Industrial Connectivity Platform	
Sheet Title Power Supply	Variant Name Standard	Designed with  Altium
Size B	Sch #: 03-11080	Date: 13.02.20 14:05:25
	Revision: C	Sheet 2 of 15
File: 01 - Power Supply.SchDoc		

Power Distribution

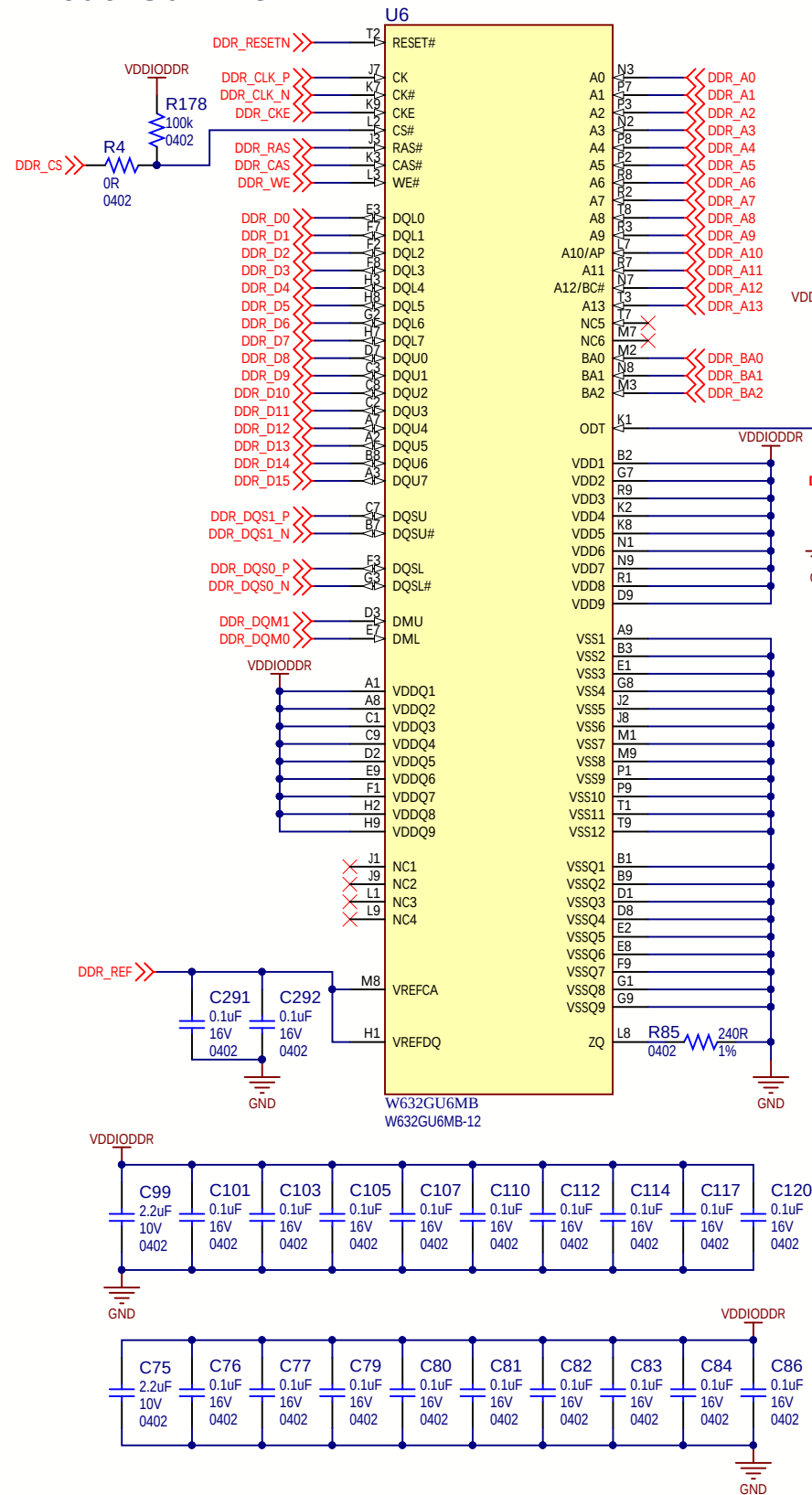


Power Measurement

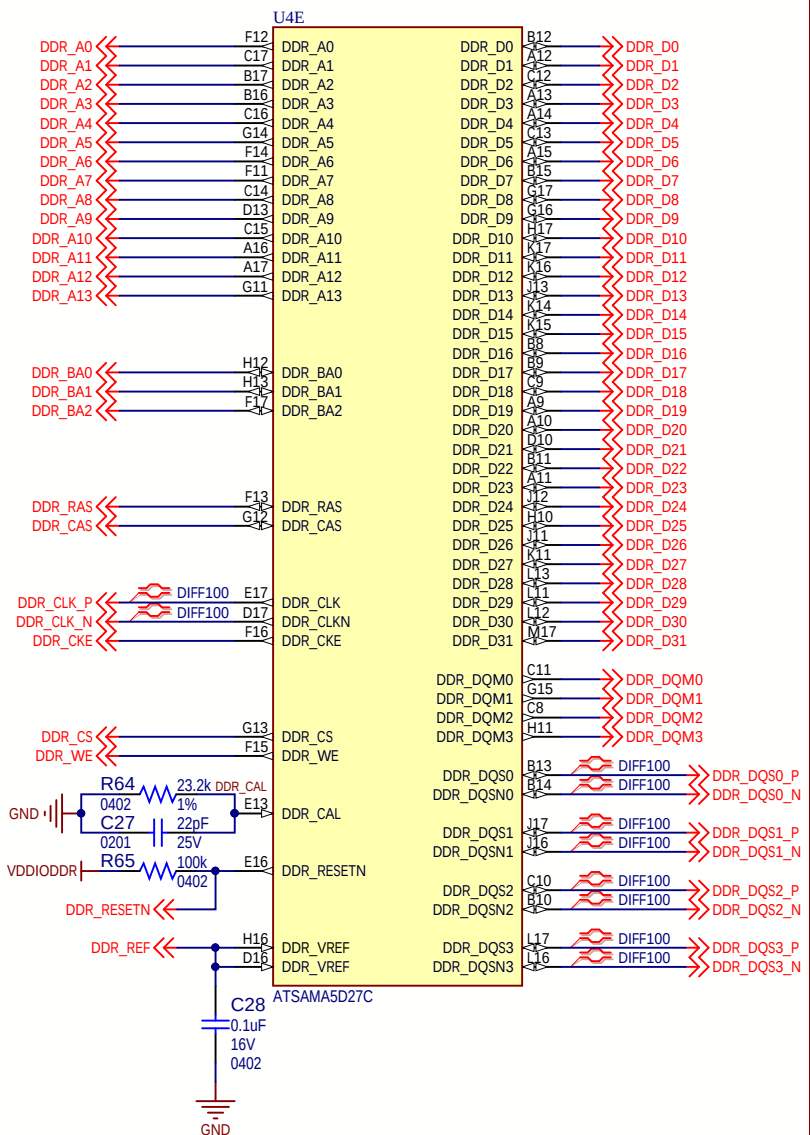


Drawn By: IGn		
Engineer: IGn		
PartNumber: EV26C77A	Project Title SAMA5D2-Industrial Connectivity Platform	
Sheet Title Power Measurement	Variant Name Standard	Designed with 
Size B	Sch #: 03-11080	Date: 13.02.20 14:05:25
	Revision:C	Sheet 3 of 15
File: 02 - Power Measurement.SchDoc		

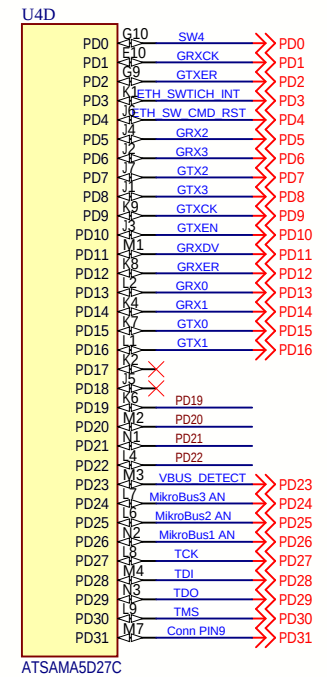
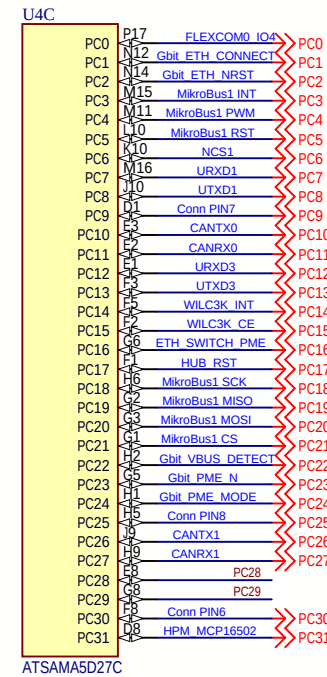
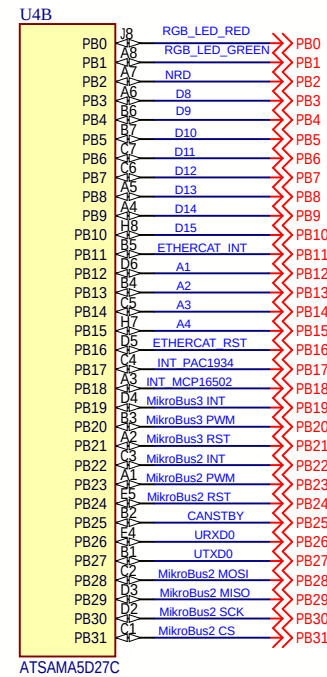
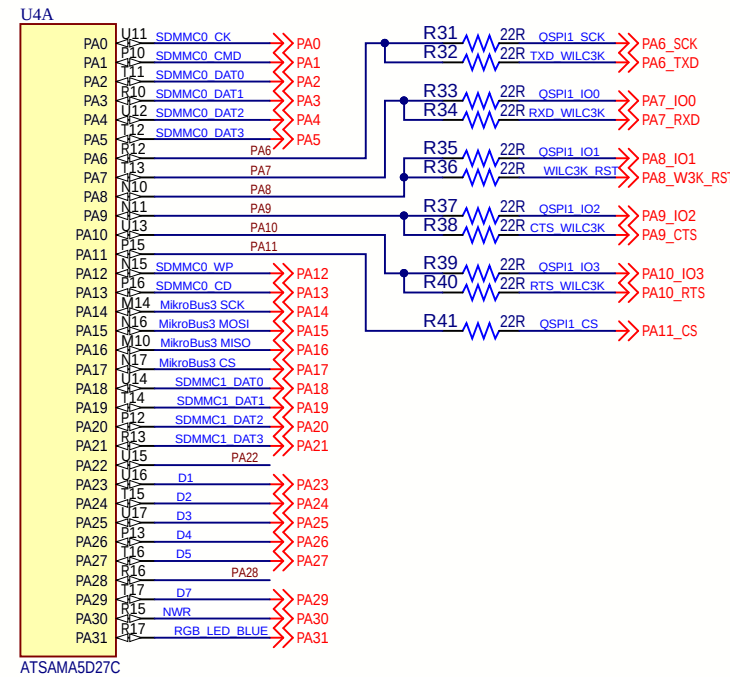
2 * 16bit 2Gb DDR3L



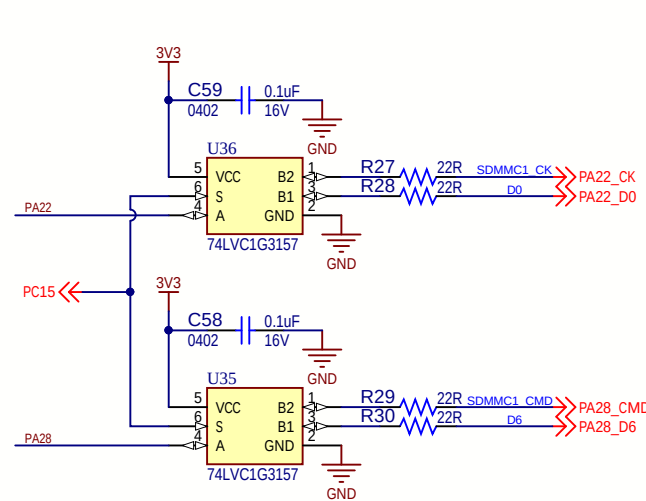
SAMA5D2 DDR controller



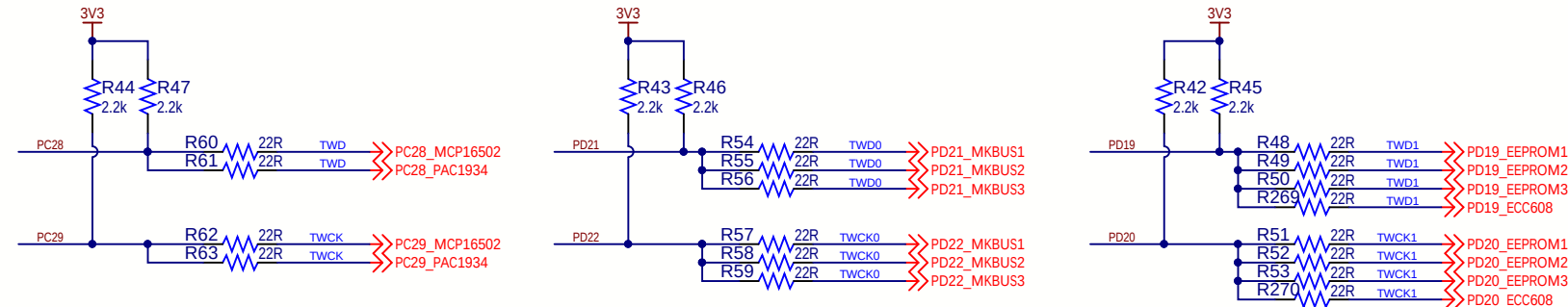
SAMA5D2 PIO



Shred PIO between WILC3000 and LAN9252

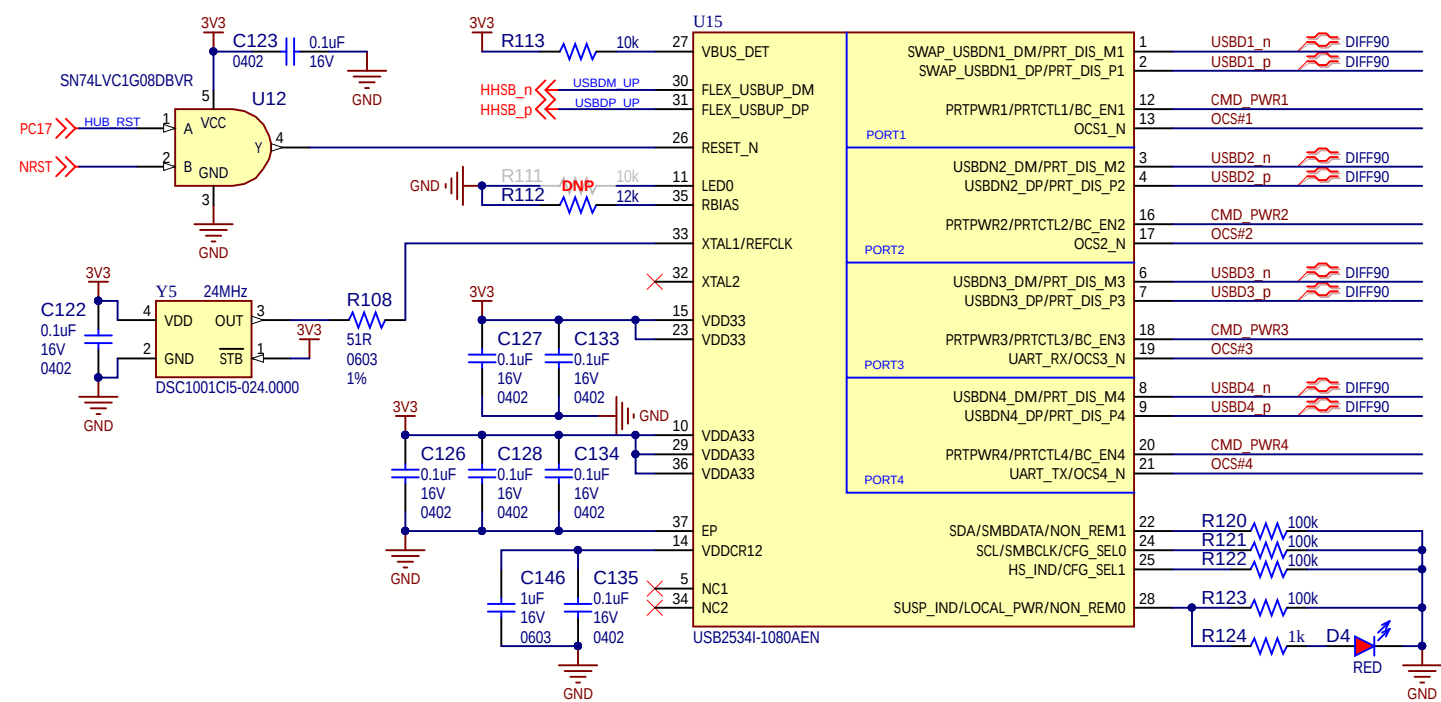


Board TWI's

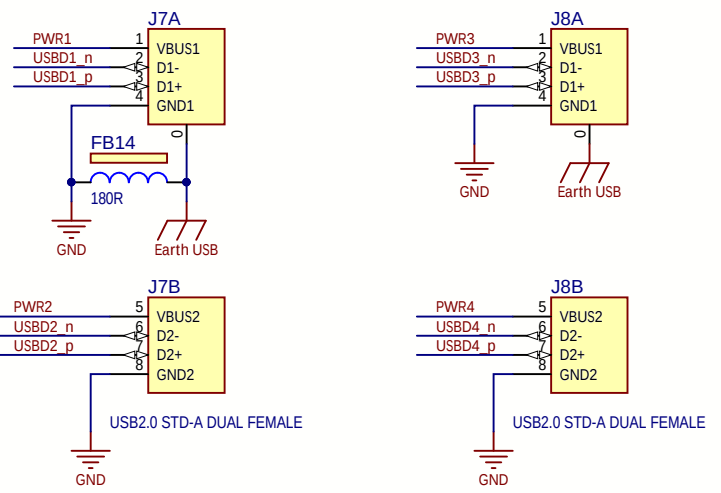


Drawn By: lGn	 MICROCHIP	
Engineer: lGn		
PartNumber: EV26C77A	Project Title SAMA5D2-Industrial Connectivity Platform	
Sheet Title SAMA5D2 - PIOs	Variant Name Standard	Designed with  Altium
Size B	Sch #: 03-11080	Date: 13.02.20 14:05:26
	Revision:C	Sheet 6 of 14
File: 05 - SAMA5D2 - PIOs.SchDoc		

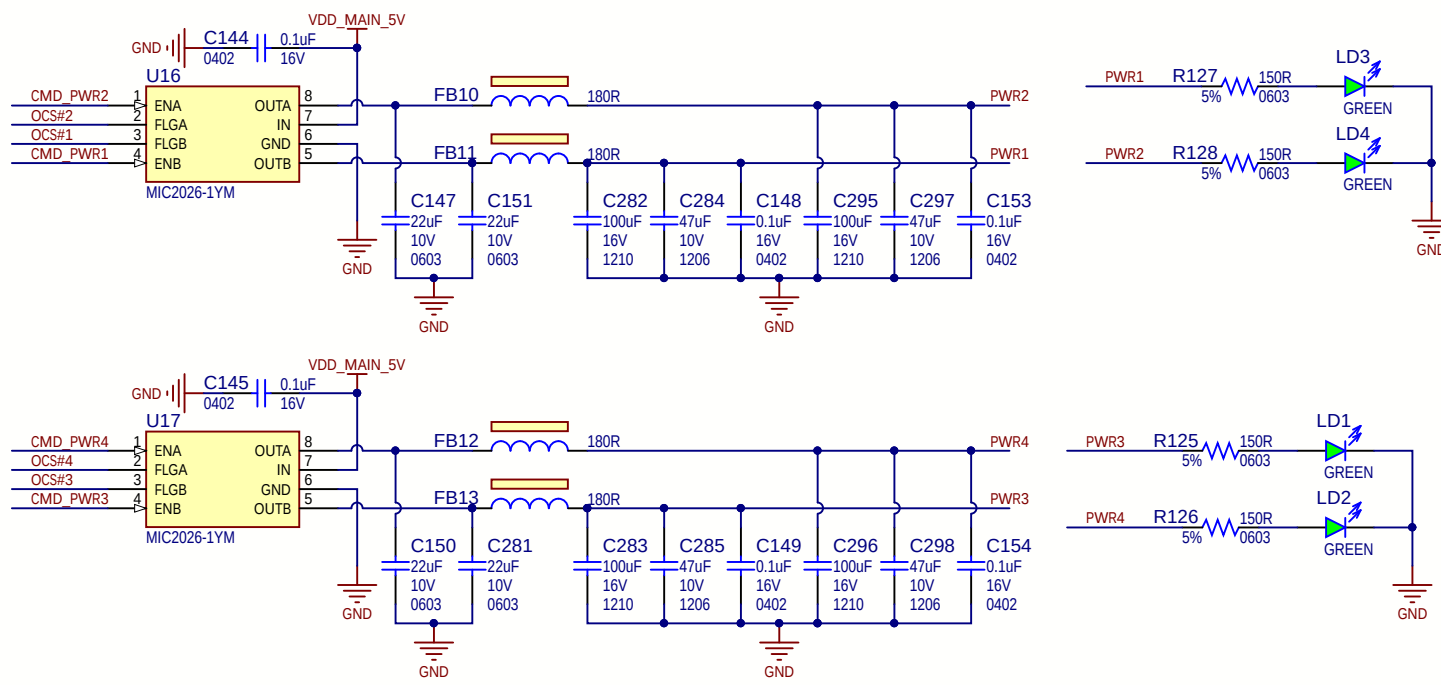
USB HUB USB2534



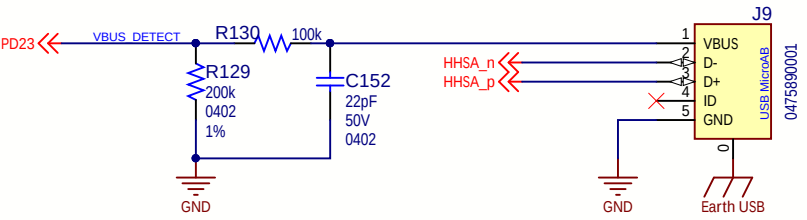
USB HUB Connectors



USB HOST Power Supply

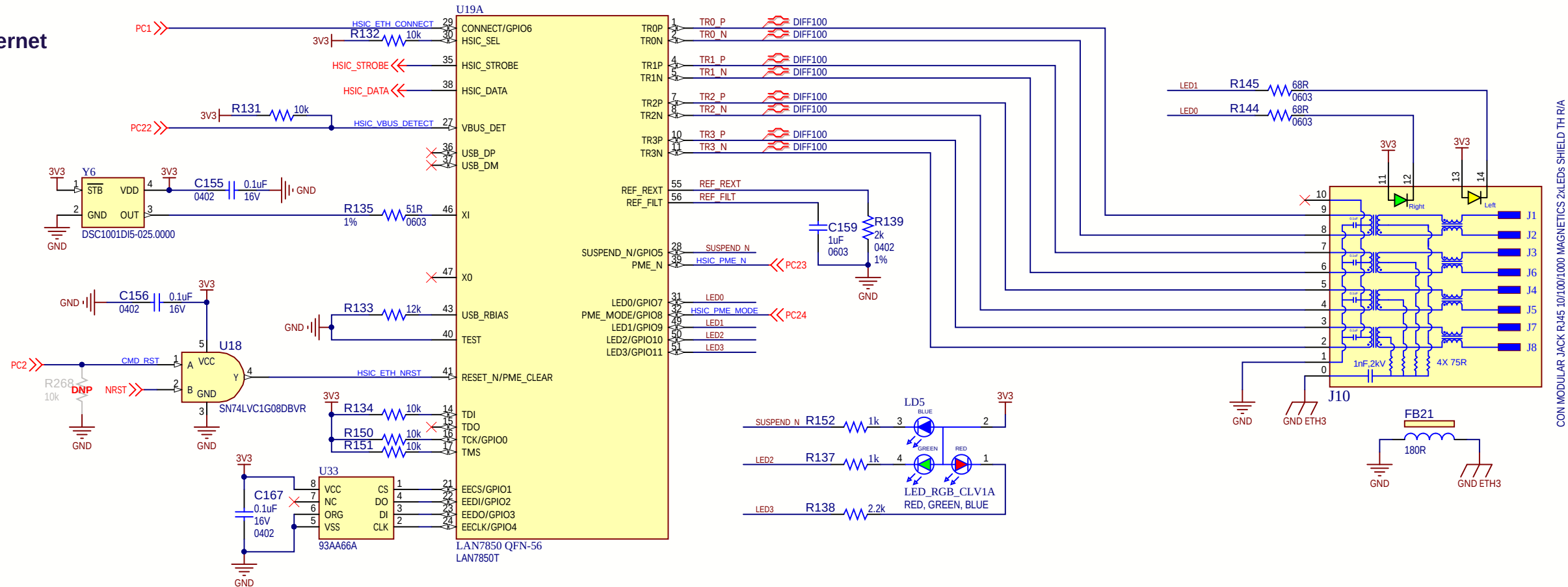


SAMA5D2 USB

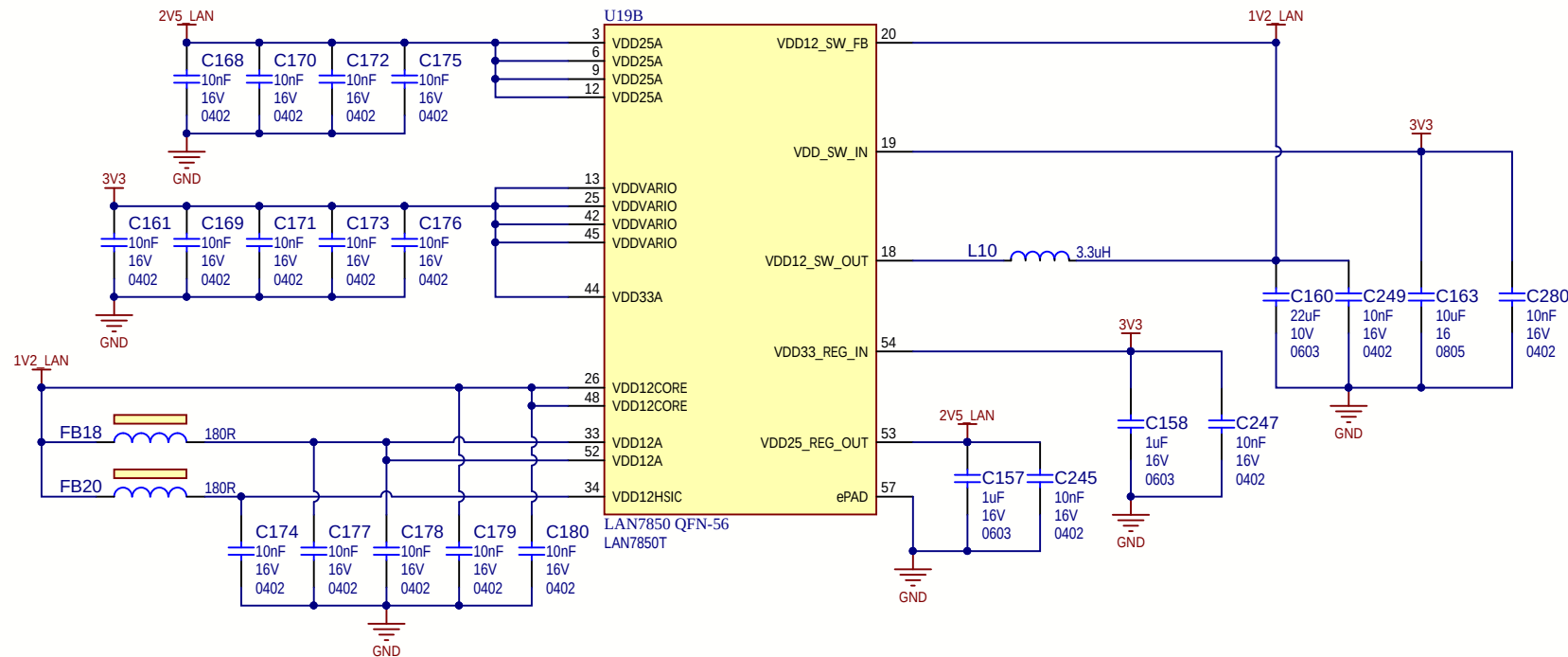


Drawn By: lgn			
Engineer: lgn			
PartNumber: EV26C77A		Project Title SAMA5D2-Industrial Connectivity Platform	
Sheet Title USBs		Variant Name Standard	
Size B	Sch #: 03-11080	Date: 13.02.20 14:05:26	Designed with 
Revision: C		Sheet 7 of 15	Altium.com
File: 06 - USB.SchDoc			

LAN7850
Gigabit Ethernet

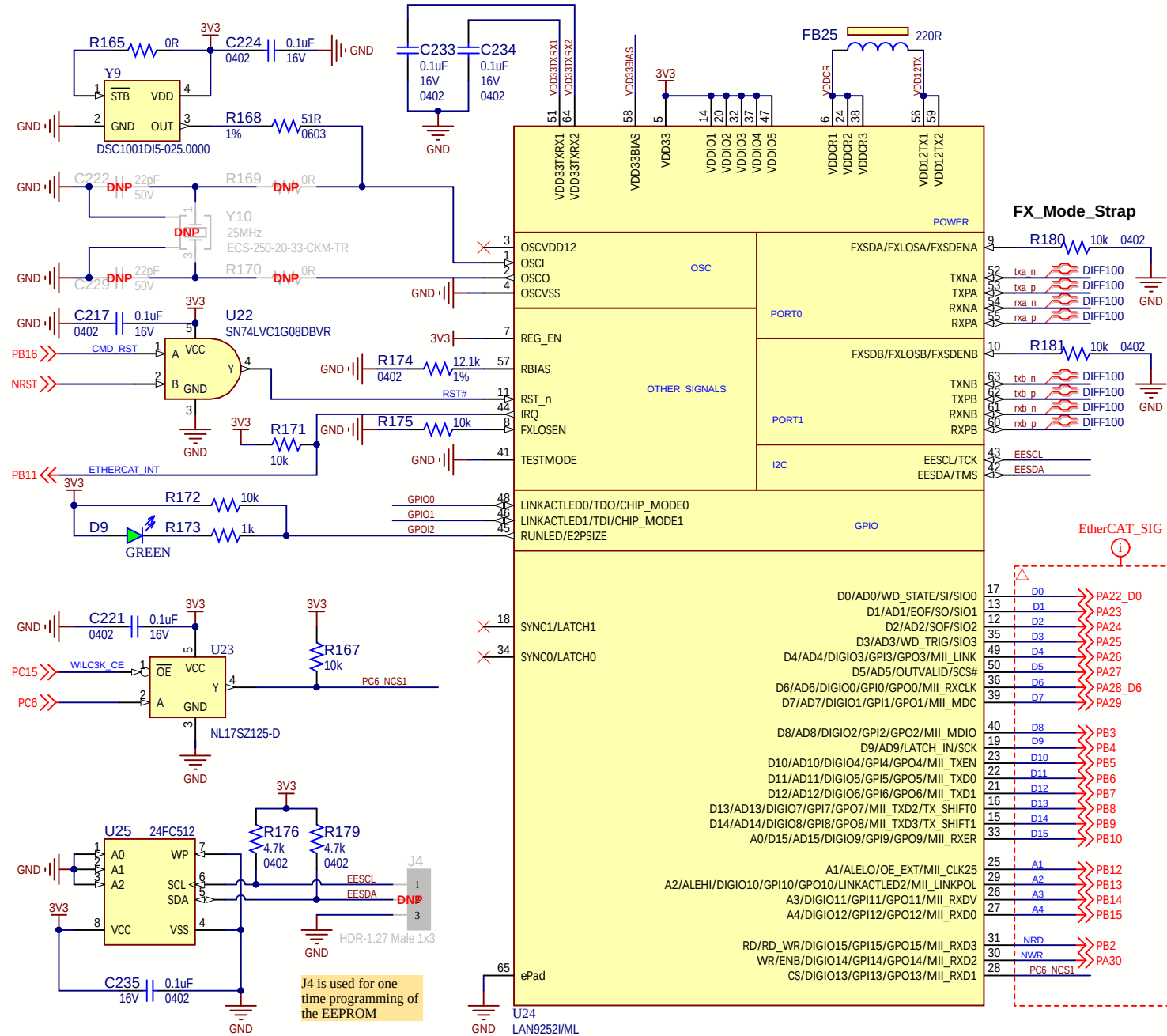


LAN7850
Power Supply

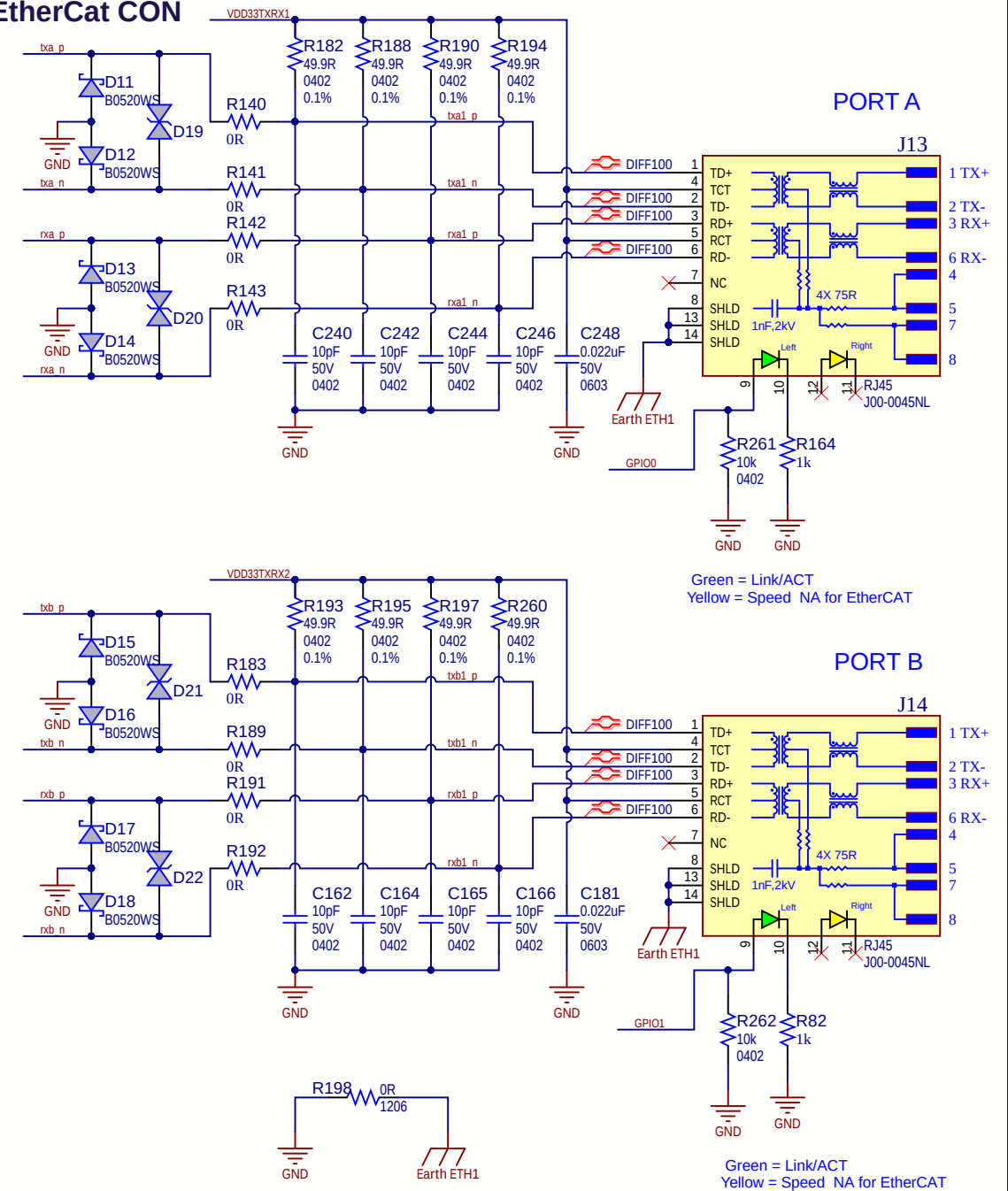


Drawn By: lGn		
Engineer: lGn		
PartNumber: EV26C77A	Project Title SAMA5D2-Industrial Connectivity Platform	
Sheet Title USB HSIC to Gb Ethernet	Variant Name Standard	Designed with 
Size B	Sch #: 03-11080	Date: 13.02.20 14:05:26
	Revision: C	Sheet 8 of 15
File: 07 - USB HSIC to Gb Ethernet.SchDoc		

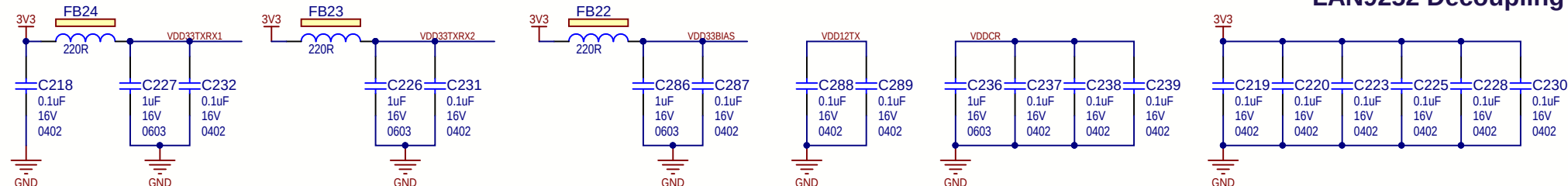
EtherCat LAN9252



EtherCat CON

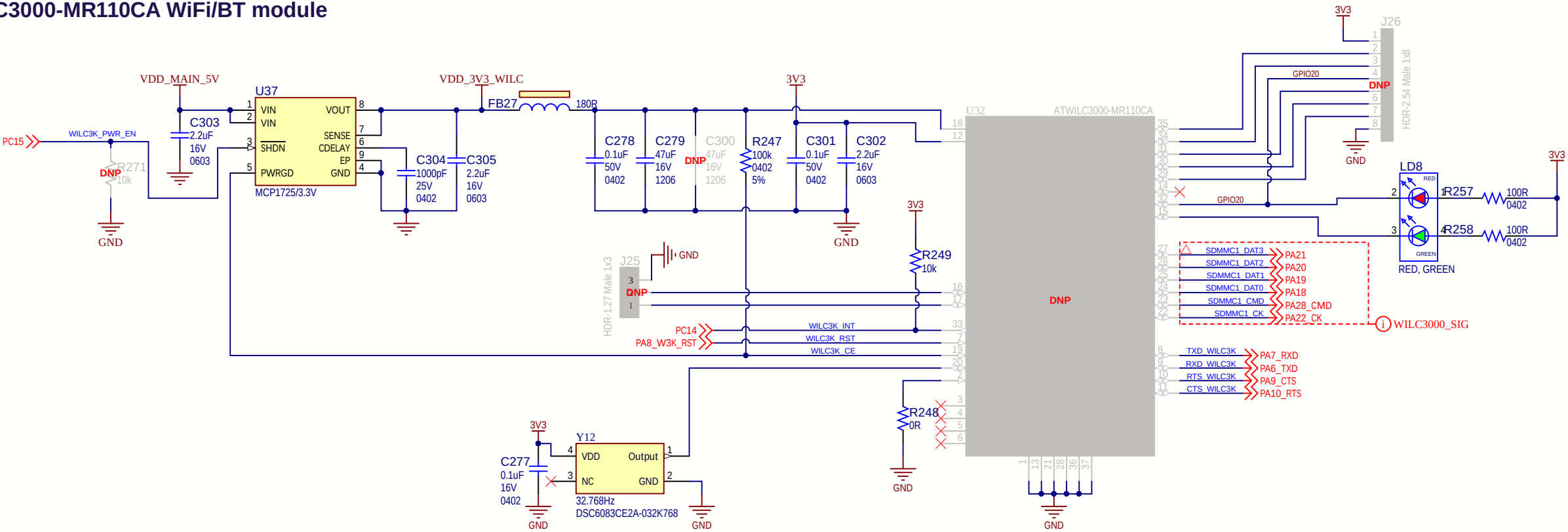


LAN9252 Decoupling

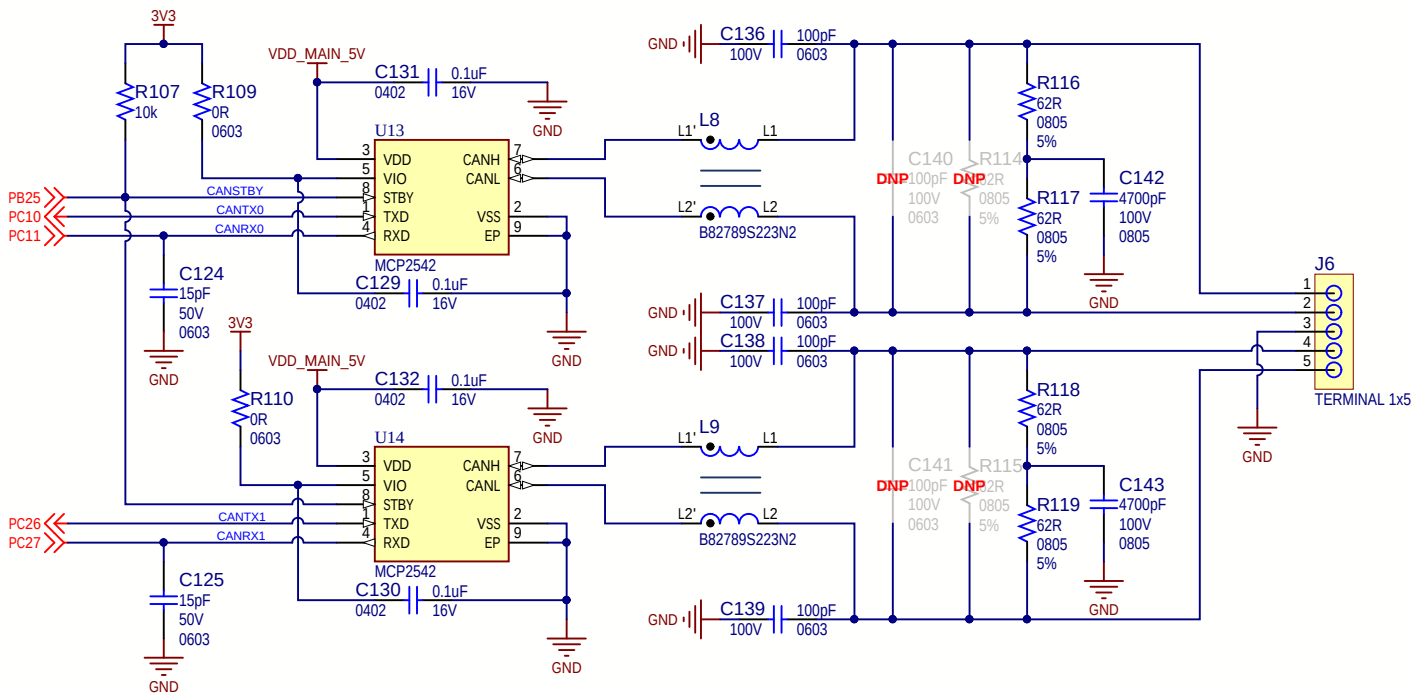


Drawn By: IGn		 MICROCHIP	
Engineer: IGn			
PartNumber: EV26C77A		Project Title SAMA5D2-Industrial Connectivity Platform	
Sheet Title EtherCAT interface		Variant Name Standard	
Size B	Sch #: 03-11080 Revision: C	Date: 13.02.20 14:05:27	Designed with 
File: 09 - EtherCAT interface.SchDoc		Sheet 10 of 15	<u>Altium.com</u>

WILC3000-MR110CA WiFi/BT module

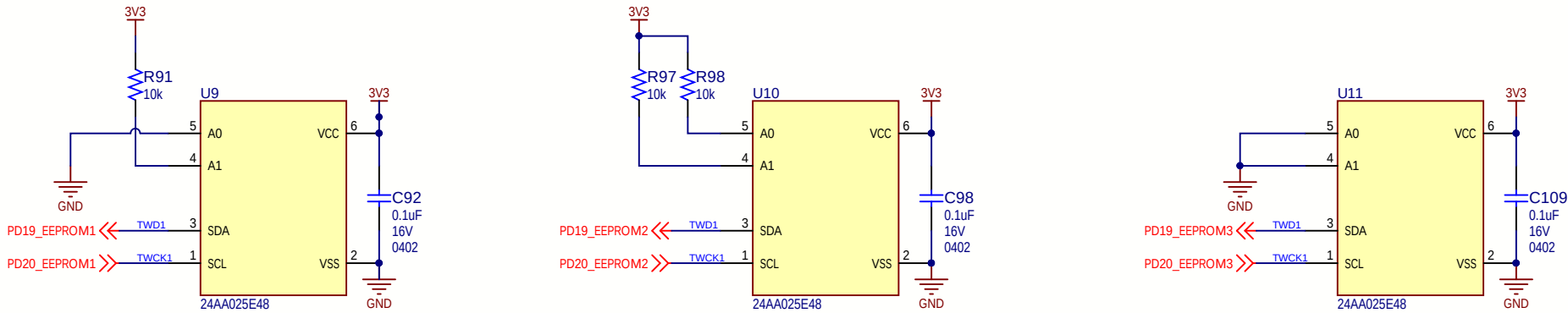


DUAL CAN INTERFACE

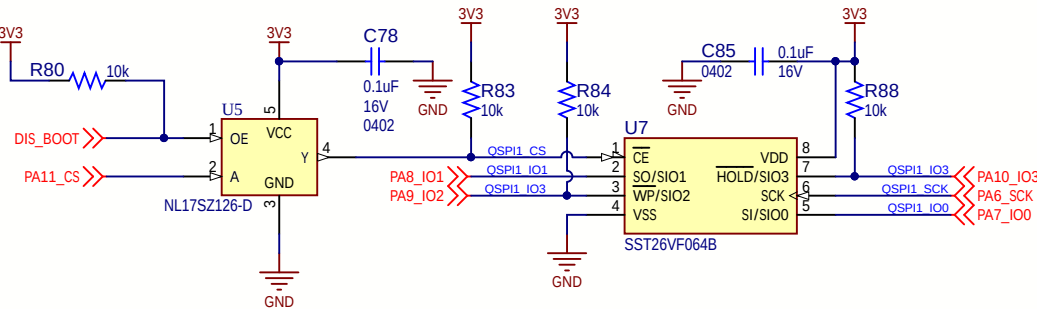


Drawn By: IGN			
Engineer: IGN			
PartNumber: EV26C77A		Project Title SAMA5D2-Industrial Connectivity Platform	
Sheet Title CAN & WiFi/BT		Variant Name Standard	
Size B	Sch #: 03-11080	Date: 13.02.20 14:05:27	 Altium.com
Revision: C		Sheet 11 of 15	
File: 10 - CAN & WiFi BT.SchDoc			

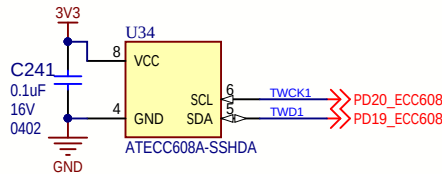
Serial EEPROM



QSPI Serial Flash

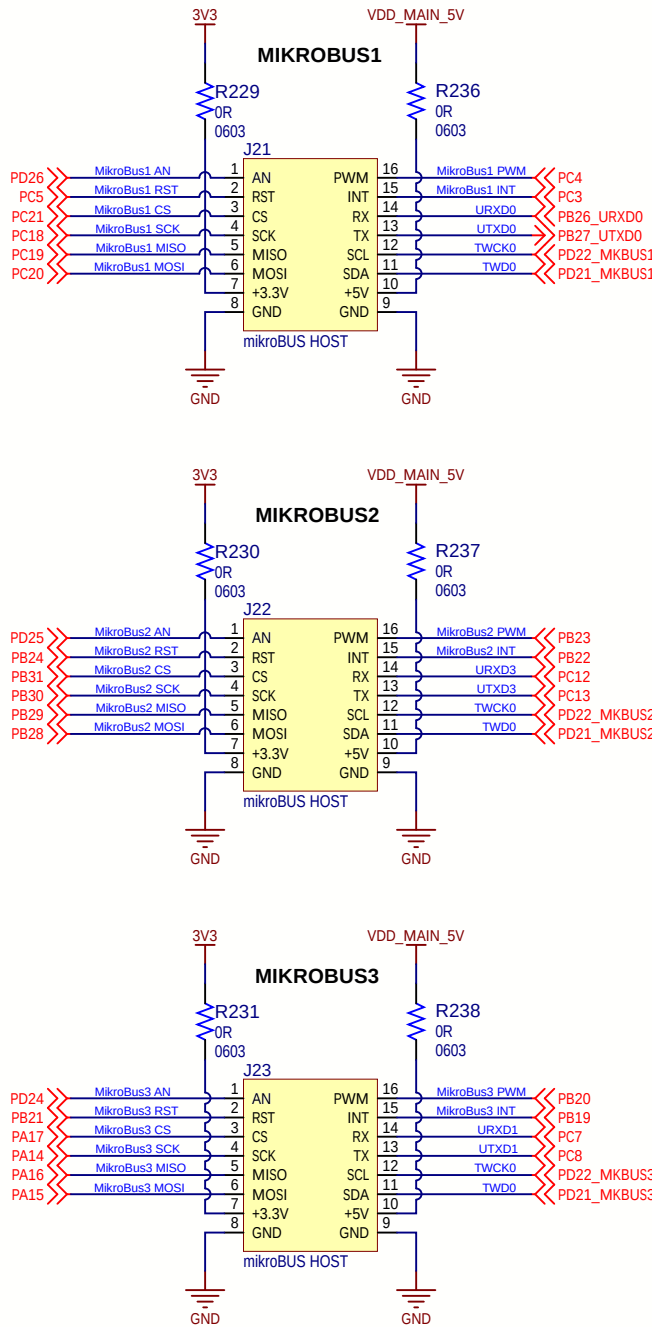


Authentication Chip

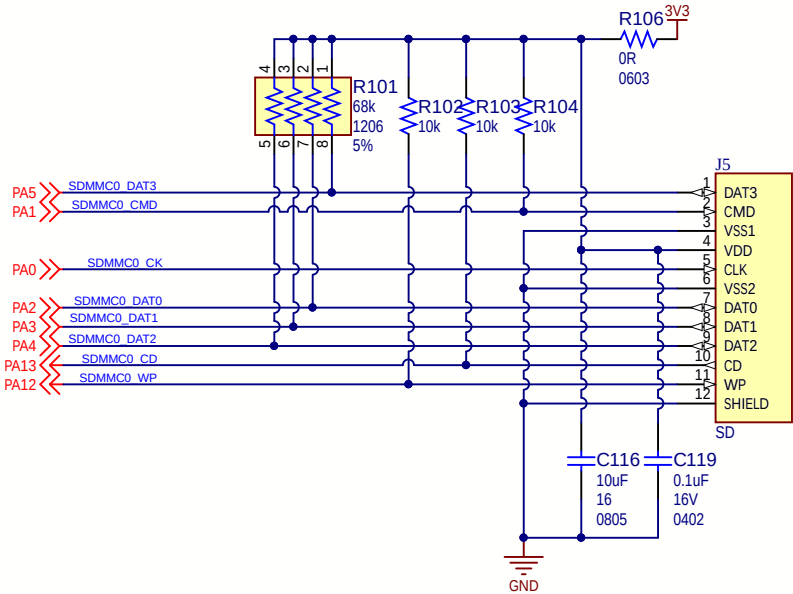


Drawn By: IGn		
Engineer: IGn		
PartNumber: EV26C77A	Project Title SAMA5D2-Industrial Connectivity Platform	
Sheet Title On Board Memories	Variant Name Standard	Designed with 
Size B	Sch #: 03-11080	Date: 13.02.20 14:05:27
	Revision:C	Sheet 12 of 15
File: 11 - On Board Memories.SchDoc		

MikroBUS Connectors

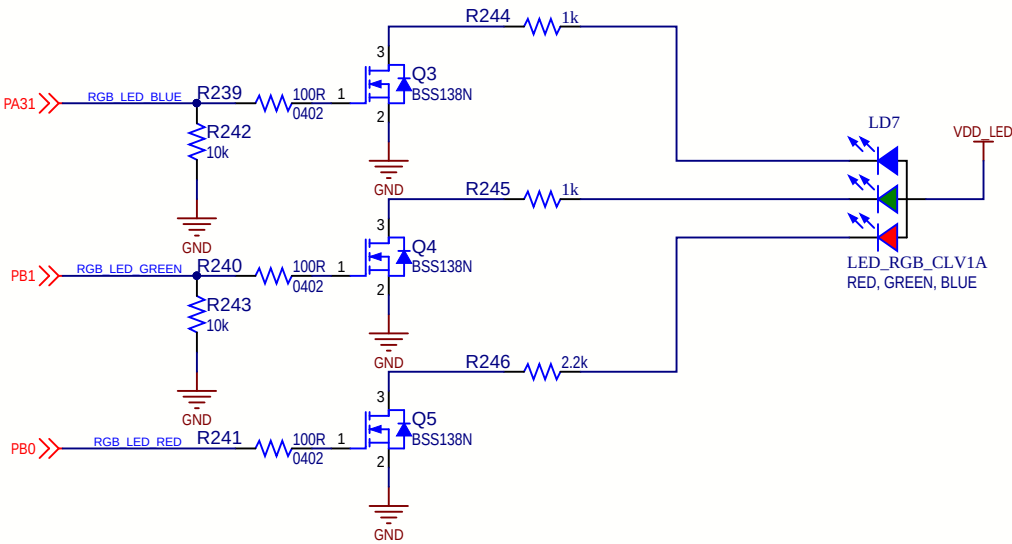


SDMMC Connector

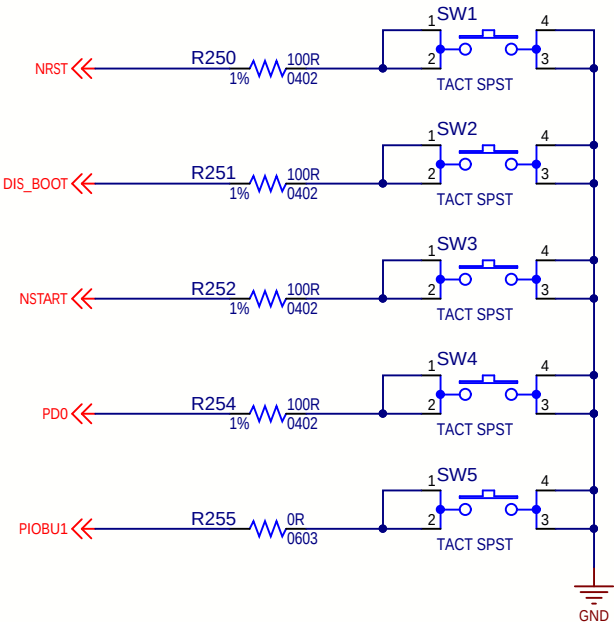


Drawn By: lGn	 MICROCHIP	
Engineer: lGn		
PartNumber: EV26C77A	Project Title SAMA5D2-Industrial Connectivity Platform	
Sheet Title Expansion connectors	Variant Name Standard	Designed with  Altium
Size B	Sch #: 03-11080	Date: 13.02.20 14:05:27
	Revision: C	Sheet 13 of 15
File: 12 - Expansion connectors.SchDoc		

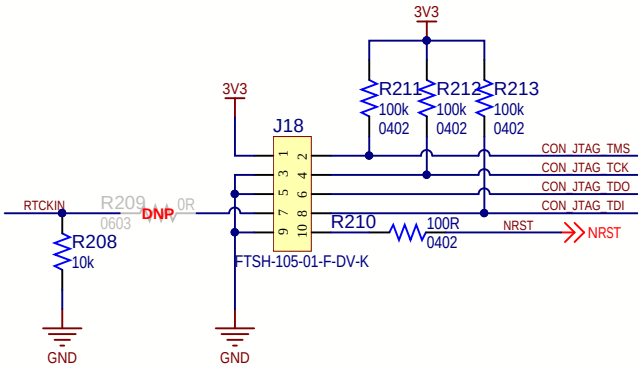
USER LED's



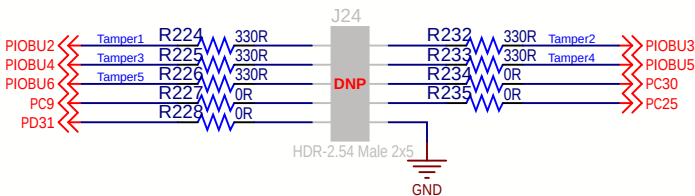
USER PUSH BUTTONS



JTAG

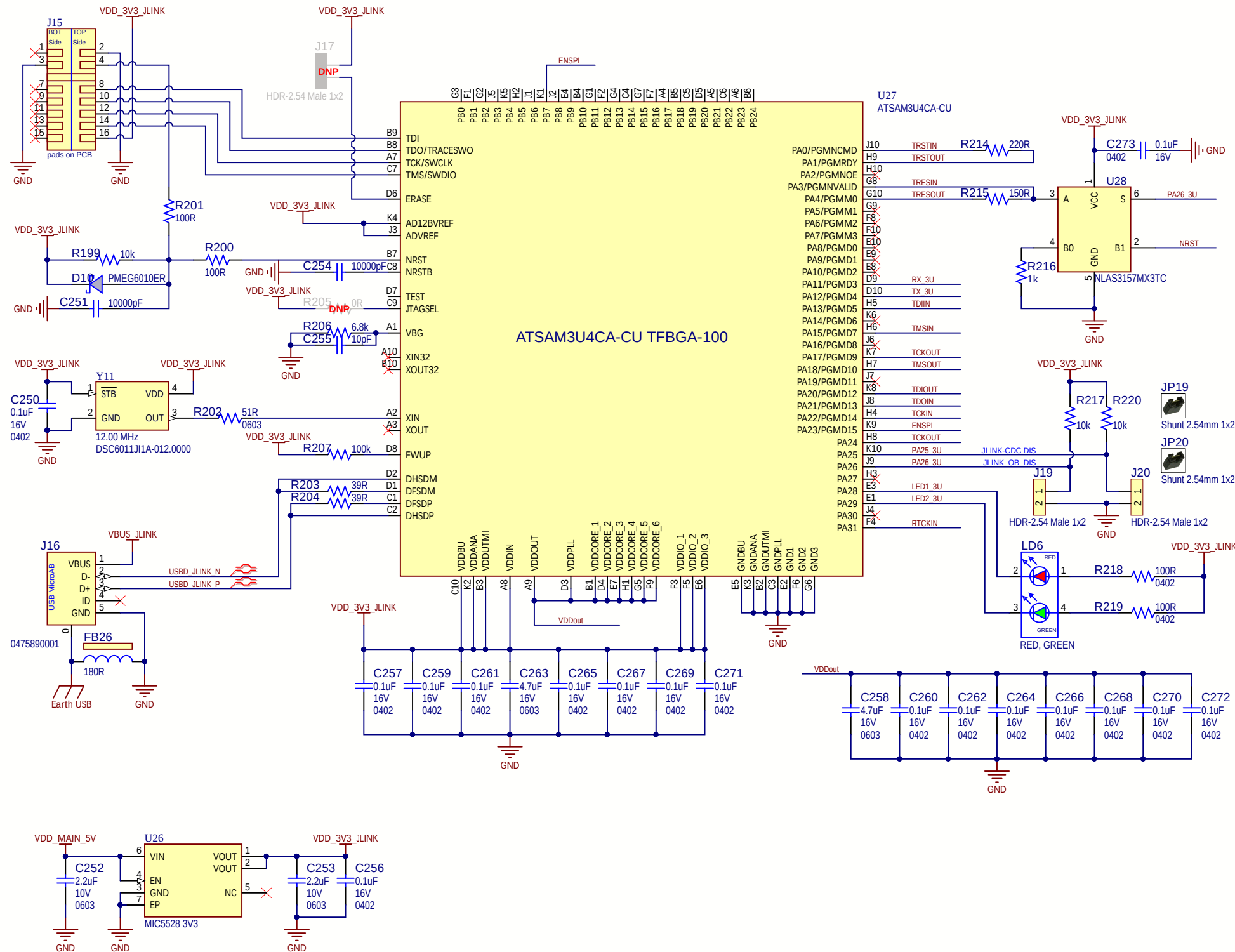


WKUP tamper

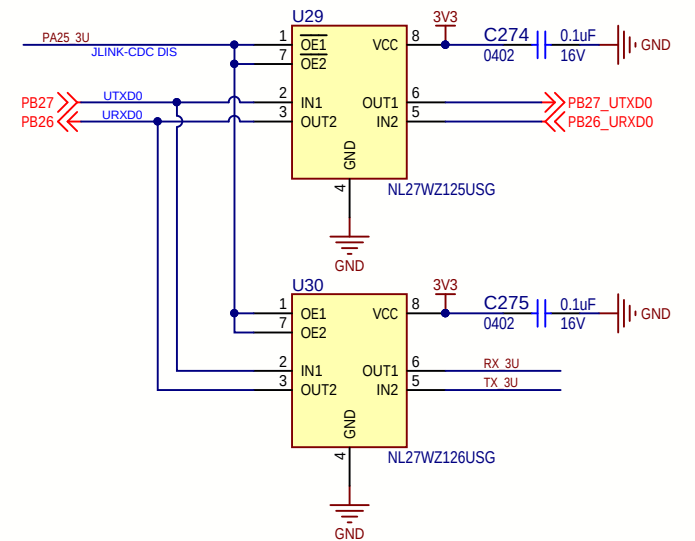


Drawn By: lGn		
Engineer: lGn		
PartNumber: EV26C77A	Project Title SAMA5D2-Industrial Connectivity Platform	
Sheet Title User Command & Control	Variant Name Standard	Designed with 
Size B	Sch #: 03-11080	Date: 13.02.20 14:05:27
	Revision: C	Sheet 14 of 15
File: 13 - User Command & Control.SchDoc		

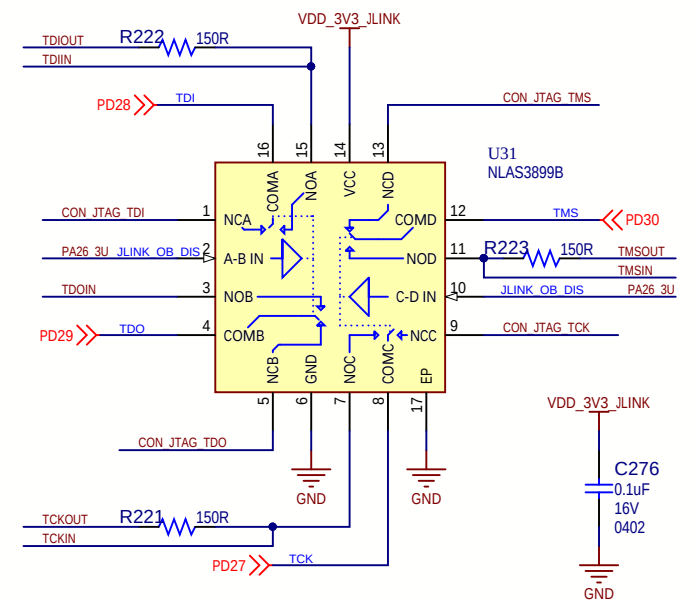
JLINK-OB INTERFACE



UART Switch



JTAG Switch



Drawn By: IGn		 MICROCHIP	
Engineer: IGn			
PartNumber: EV26C77A		Project Title SAMA5D2-Industrial Connectivity Platform	
Sheet Title JLINK-OB Interface		Variant Name Standard	
Size B	Sch #: 03-11080		Designed with 
	Date: 13.02.20 14:05:28		
	Revision: C		
	Sheet 15 of 15		Altium.com
File: 14 - JLINK-OB Interface.SchDoc			