

# *AM335X\_ICE Board*

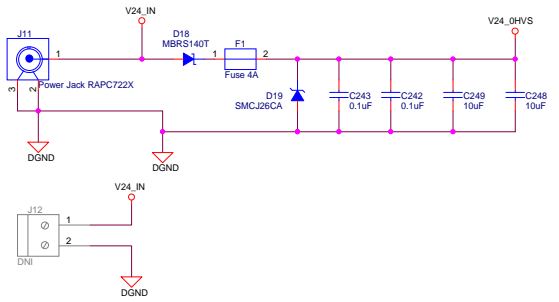
- See the Hardware User Guide for board details
- See the PCB Build Specification for PCB Details
- See the Board Errata for Issues Found



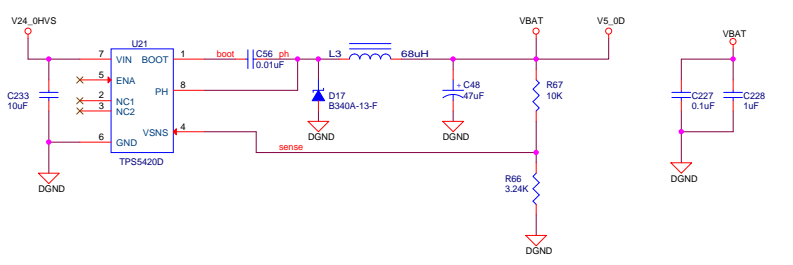
AM335x ICE V2.1Board Bare PCB

<b>ARM MPU</b>	<b>Texas Instruments, Inc.</b>			
	ARM MPU Business Unit 12500 TI Blvd Dallas, TX 75243			
	TMDXICE3359			
	Title			
Size	Document Number	Modified By:	Rev	
C	AM335X_ICE_3H0013_2V0A.dsn	Murugesan & R	9.0A	
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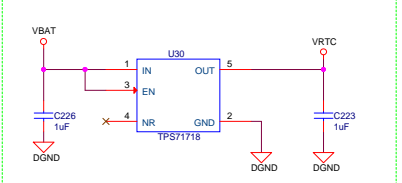
**Main Power Input**



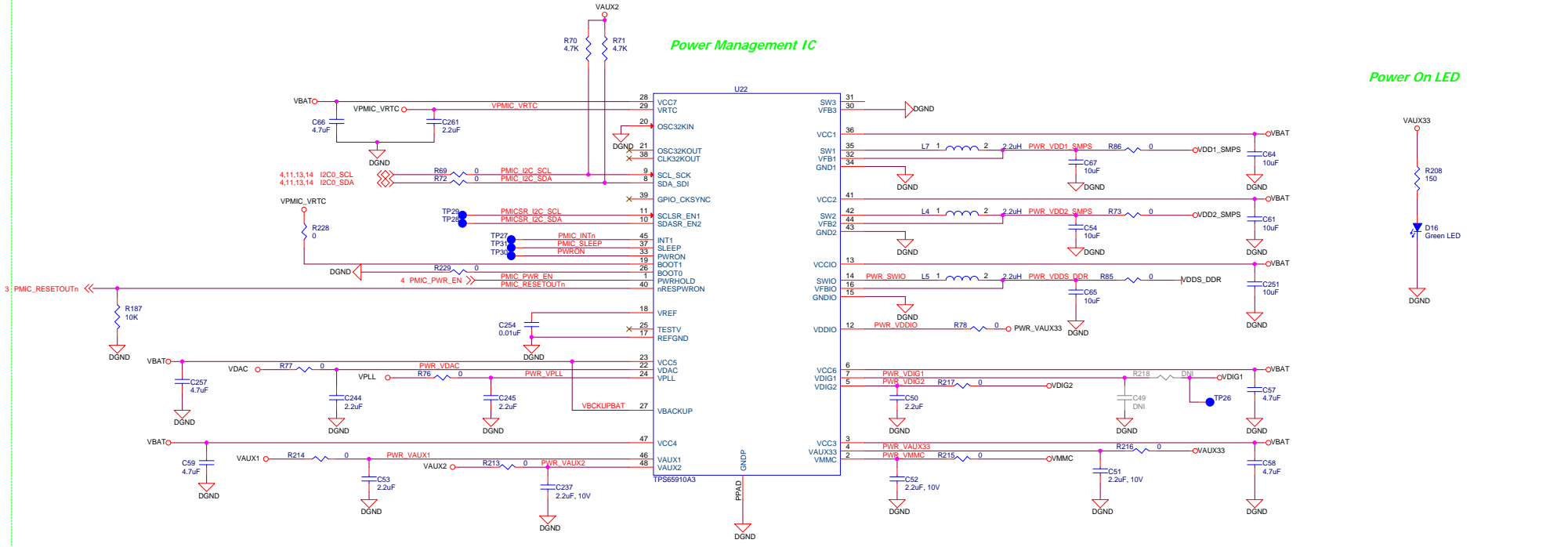
**24V to 5V DC - DC CONVERTER**



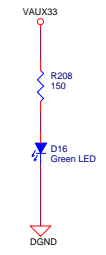
**VRTC REGULATOR**



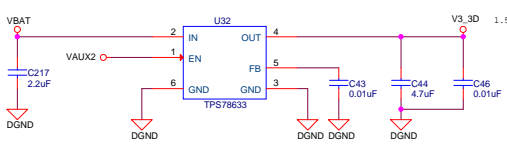
**Power Management IC**



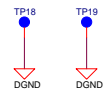
**Power On LED**



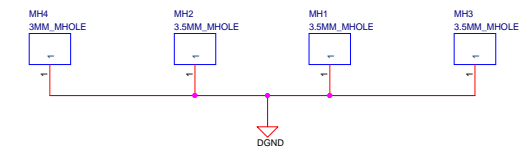
**LDO for V3\_3D**



**GND PROBING POINTS**



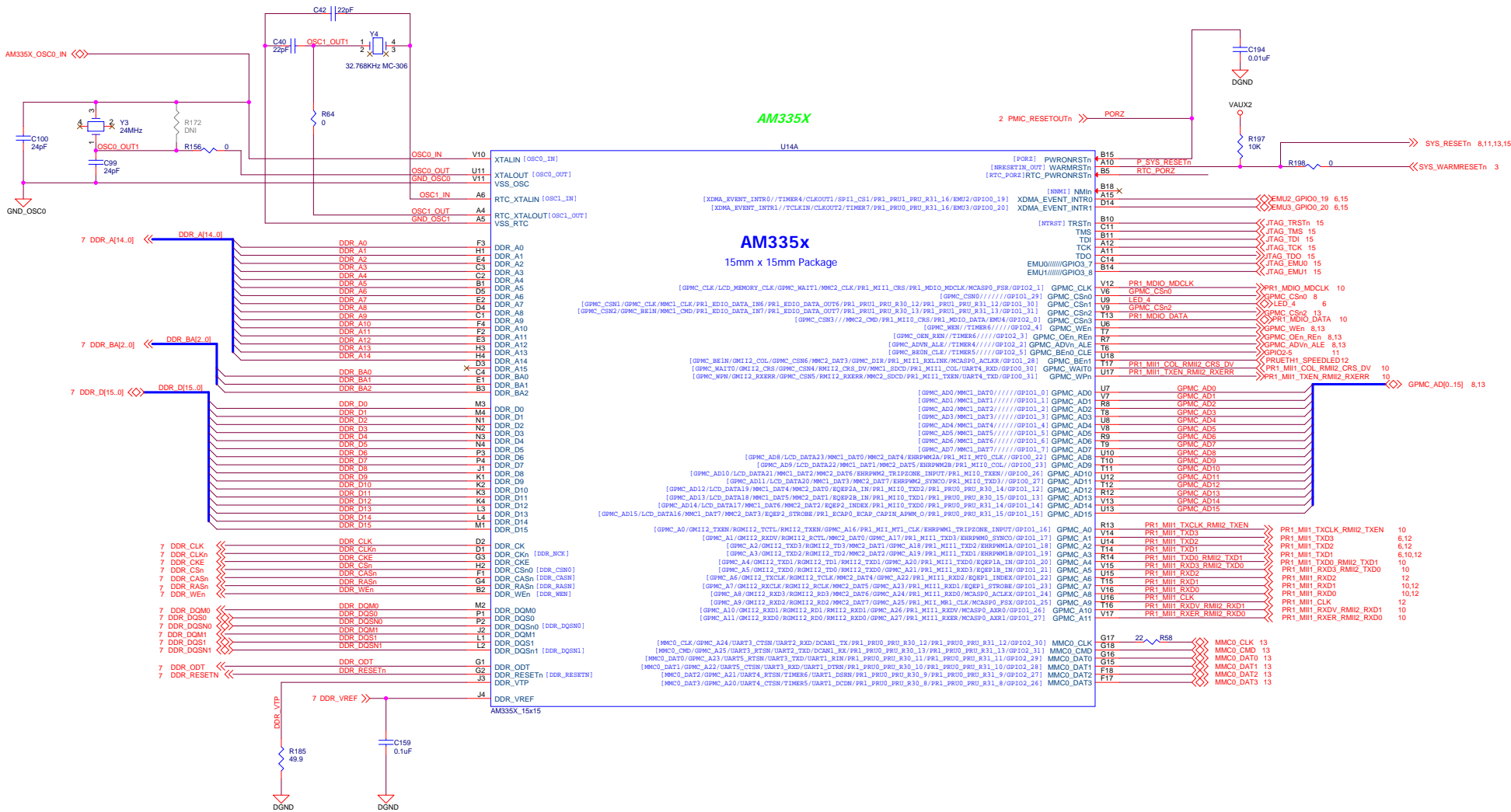
**MOUNT HOLES**



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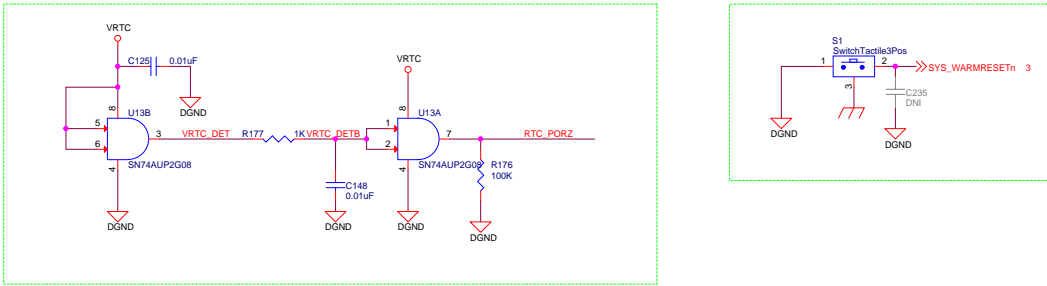
**TMDXICE3359**  
 Power Management

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**RTC POWER ON RESET**

**WARM RESET SWITCH**



ICEV2

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**TEXAS INSTRUMENTS**

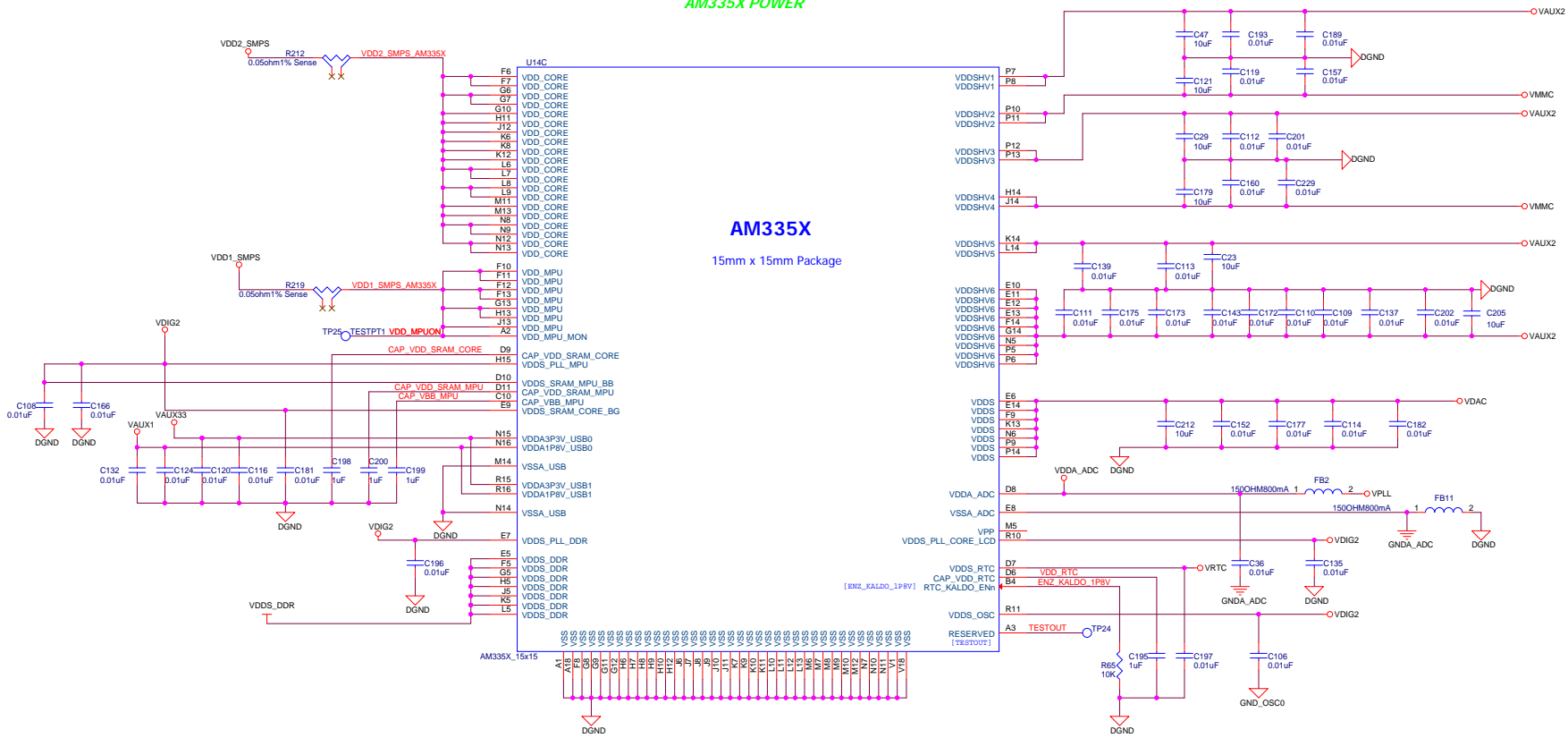
**TMDXICE3559**  
 AM335X 1 OF 3

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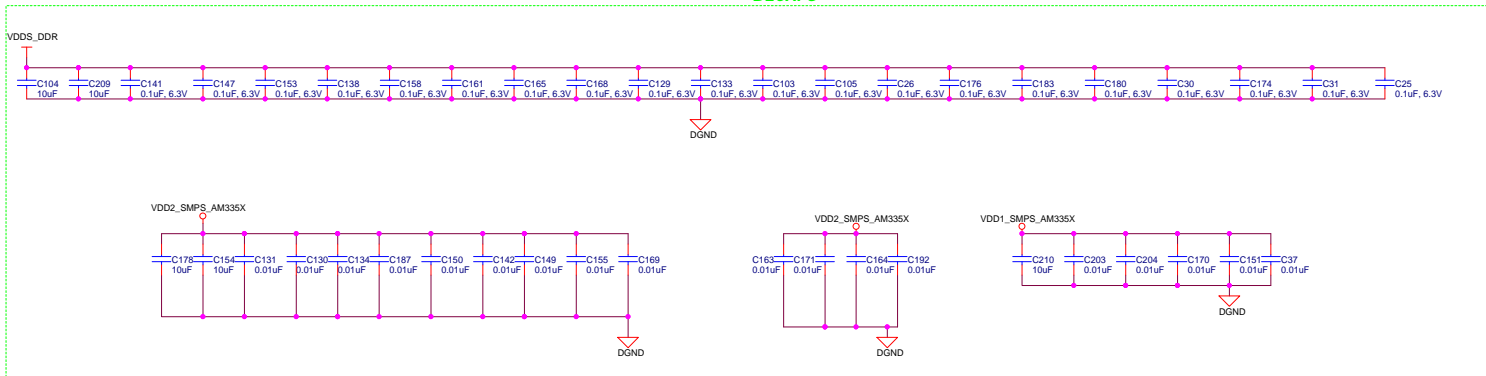


AM335X POWER

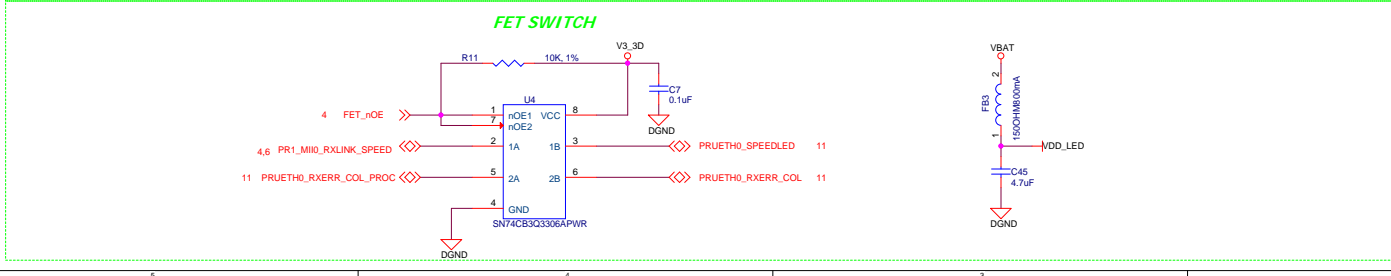
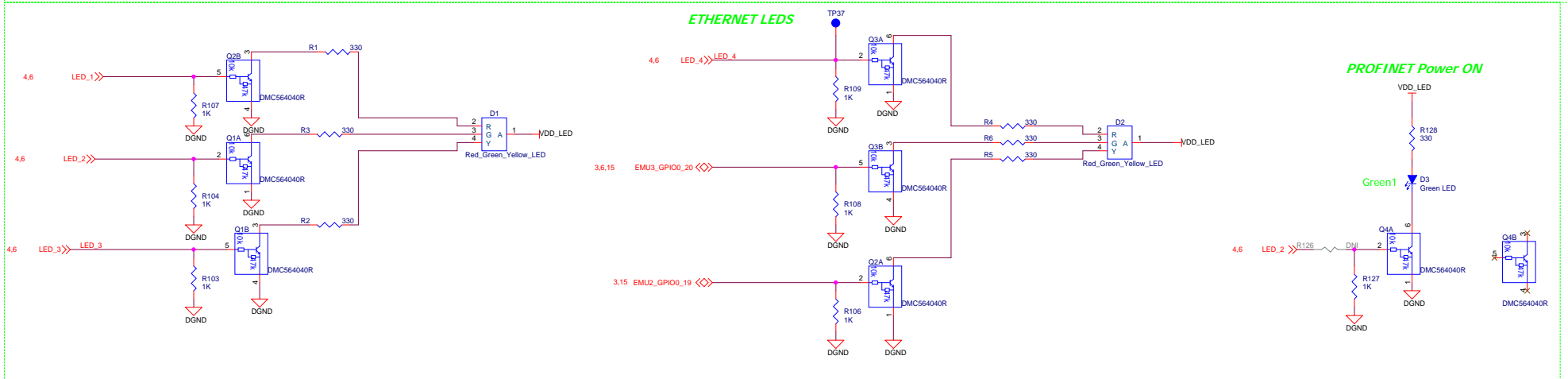
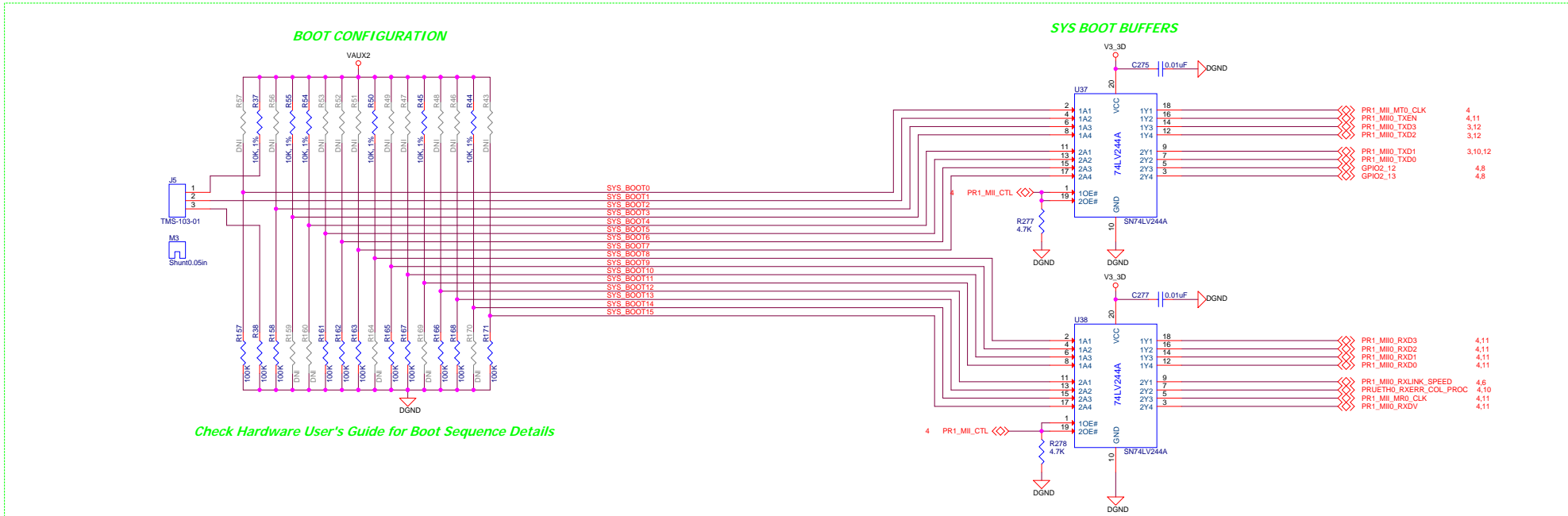
AM335X  
15mm x 15mm Package



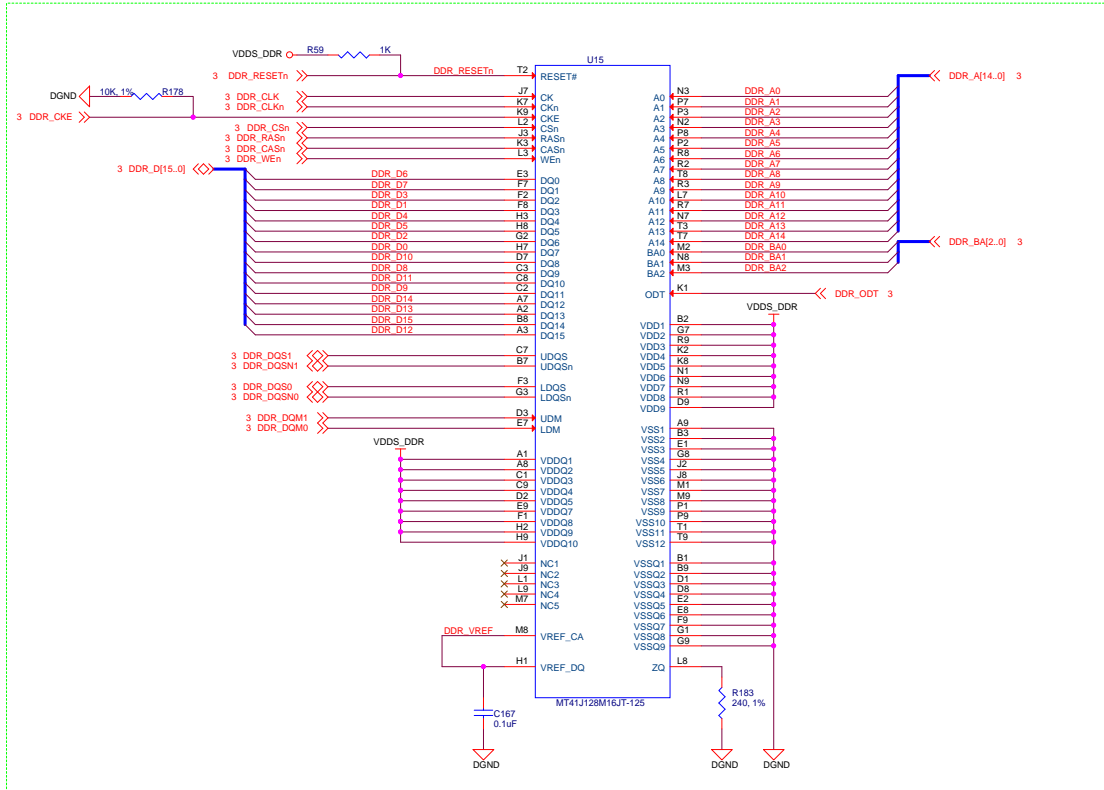
DECAPS



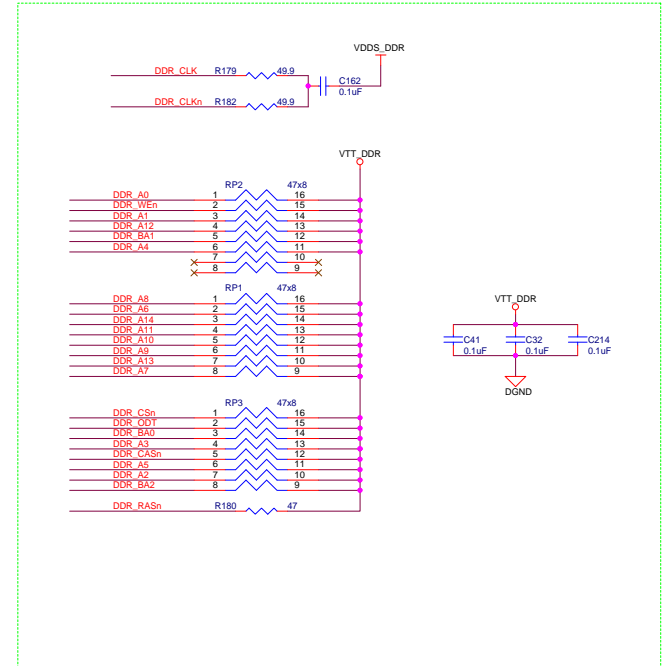
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	AM335X 3 OF 3		
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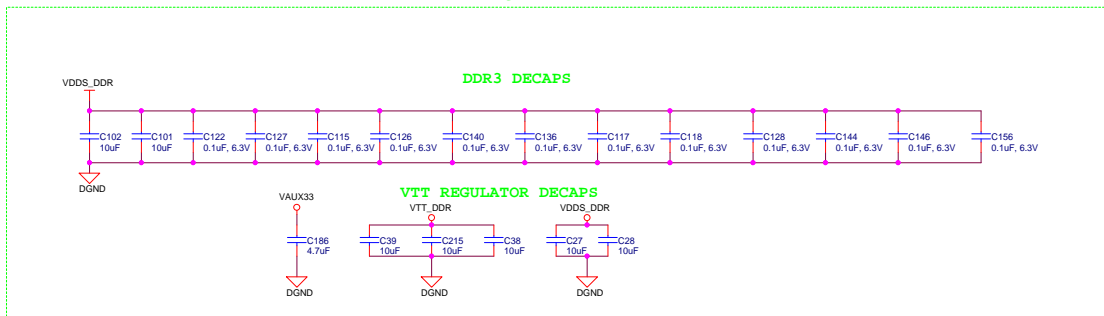
### DDR3 SDRAM



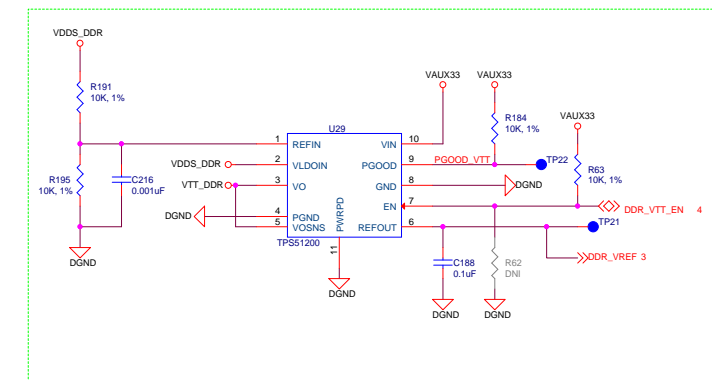
### Terminations



### DECAPS



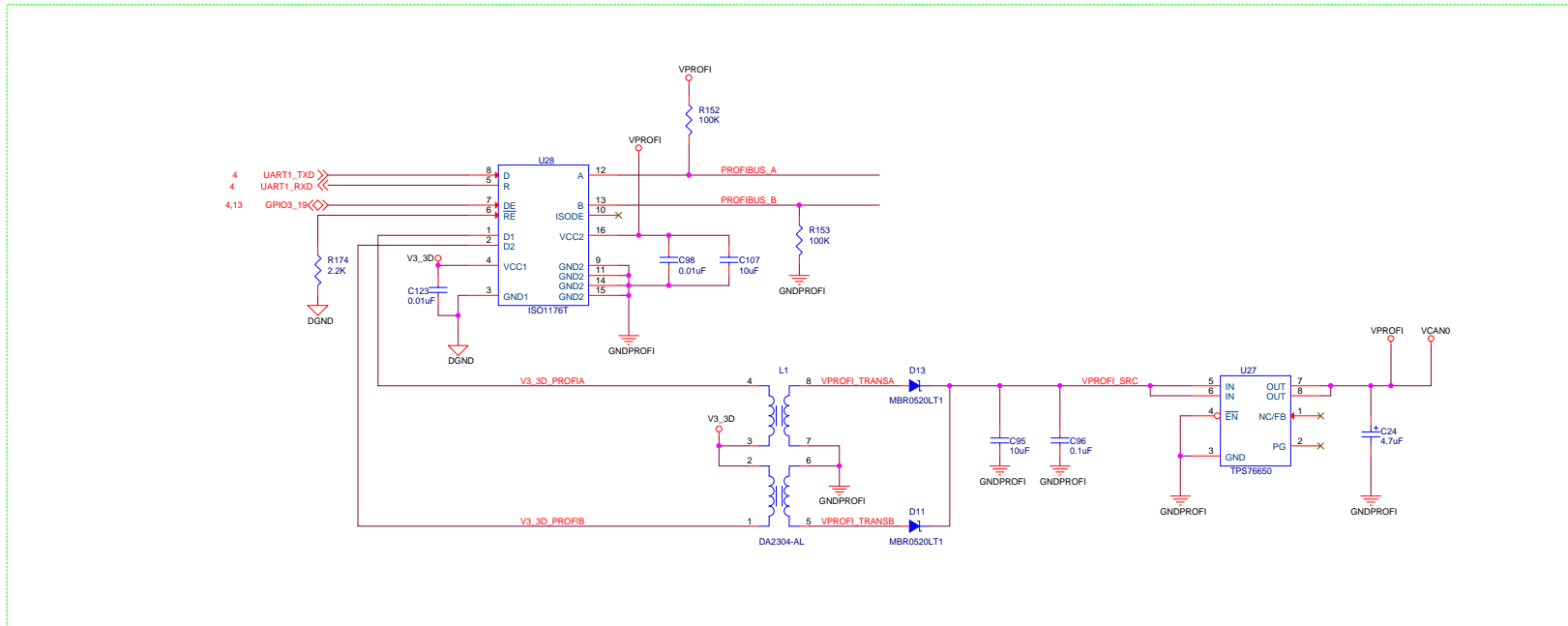
### VTT REGULATOR



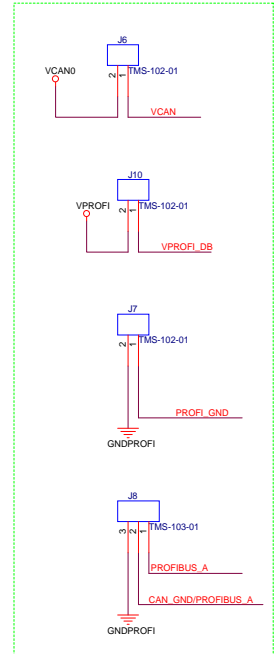
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<b>TMDXICE3369</b>			
DDR3_Memory			
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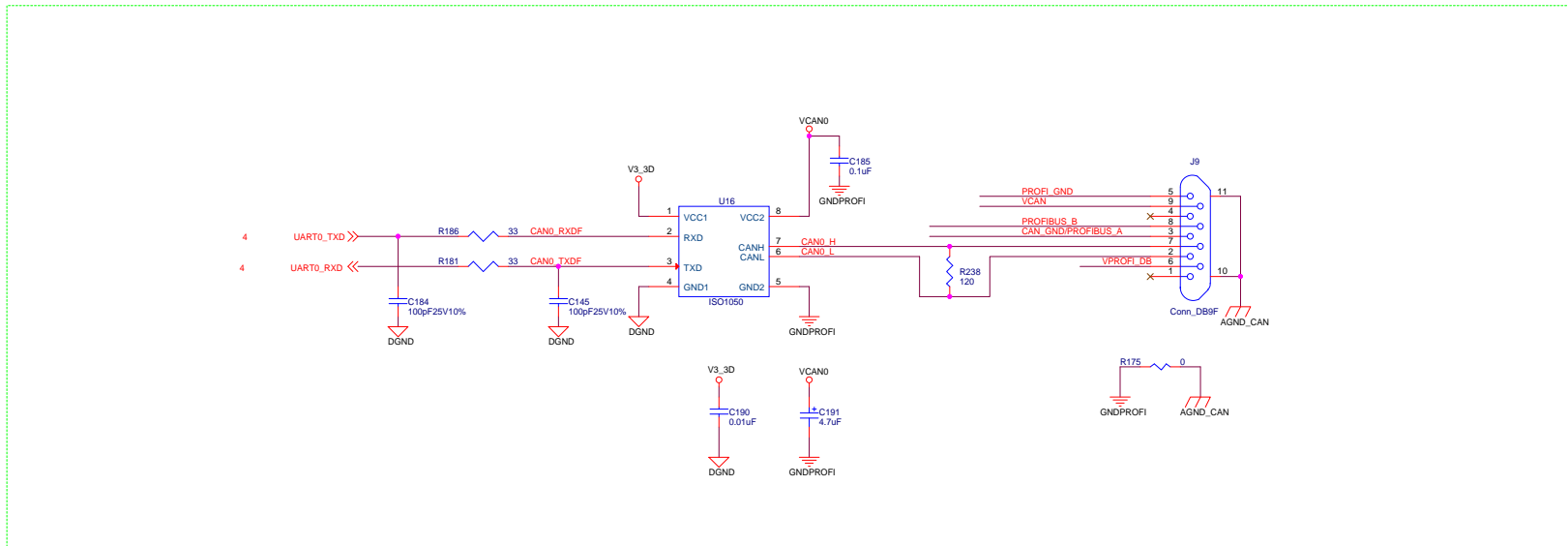
### PROFIBUS



### CAN / PROFIBUS SELECTION

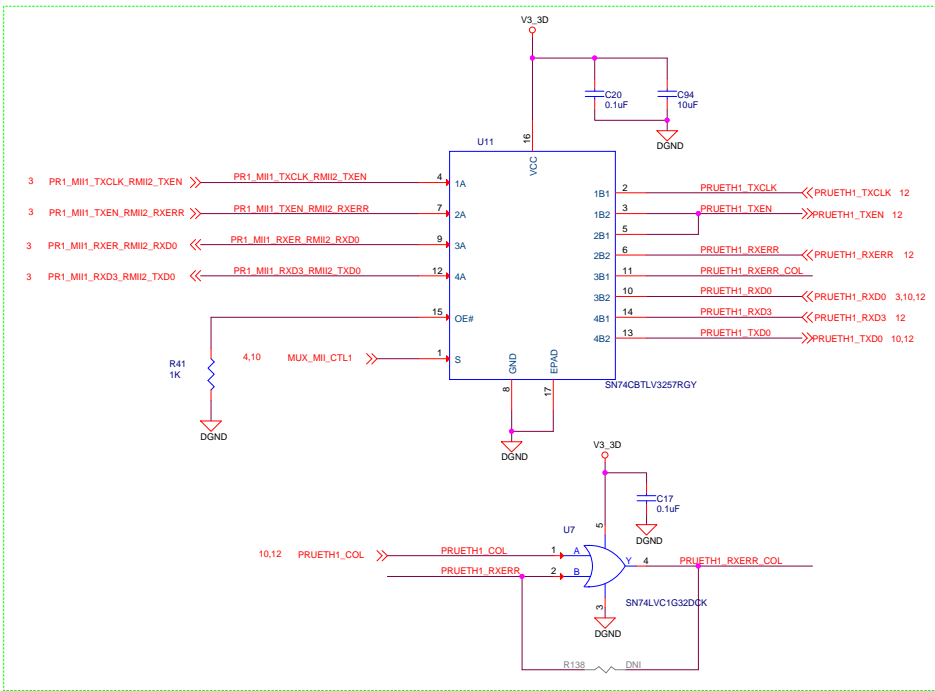


### CAN PORT

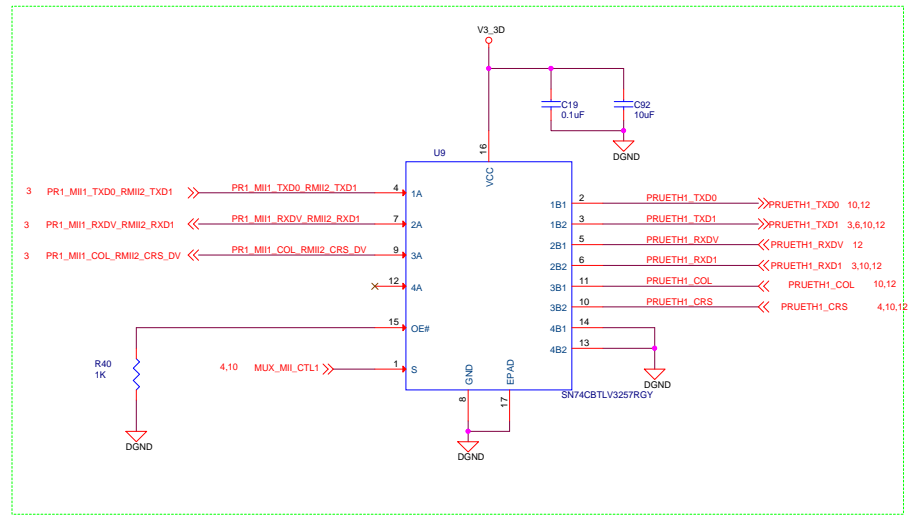


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	TMDXICE3359 CAN & PROFIBUS			
	Size: C	Document Number: AM335X_ICE_3H0013_2V0A.dsn	Modified By: Murugesan & Raj	Rev: 9.0A
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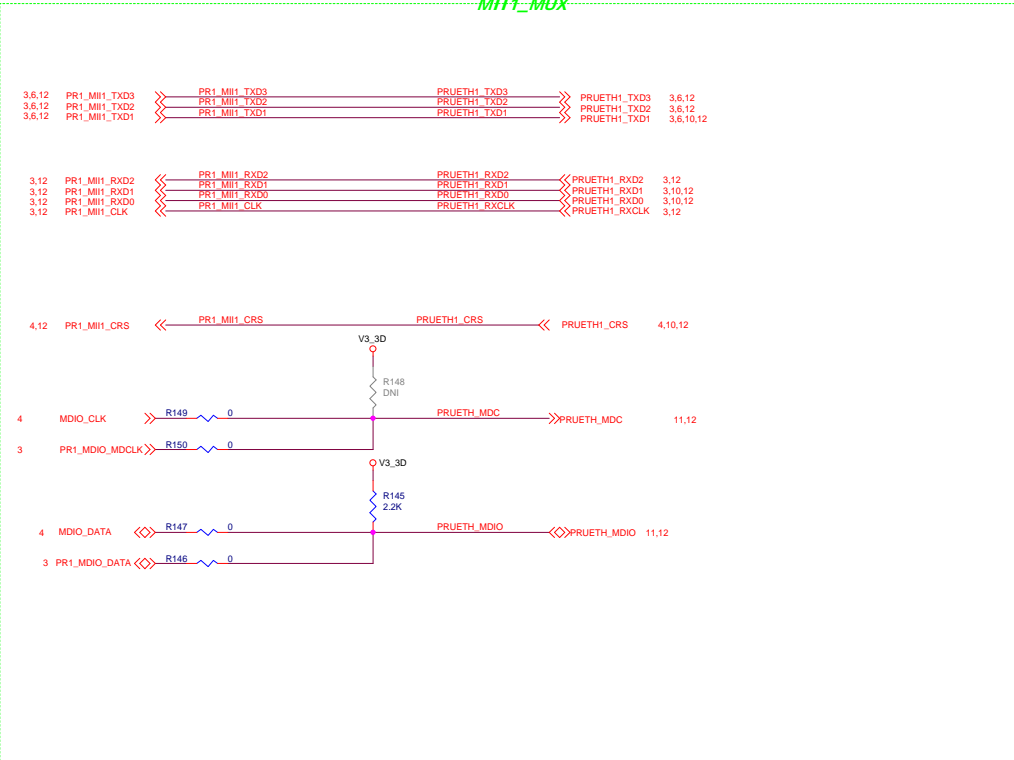
MI11\_MUX1



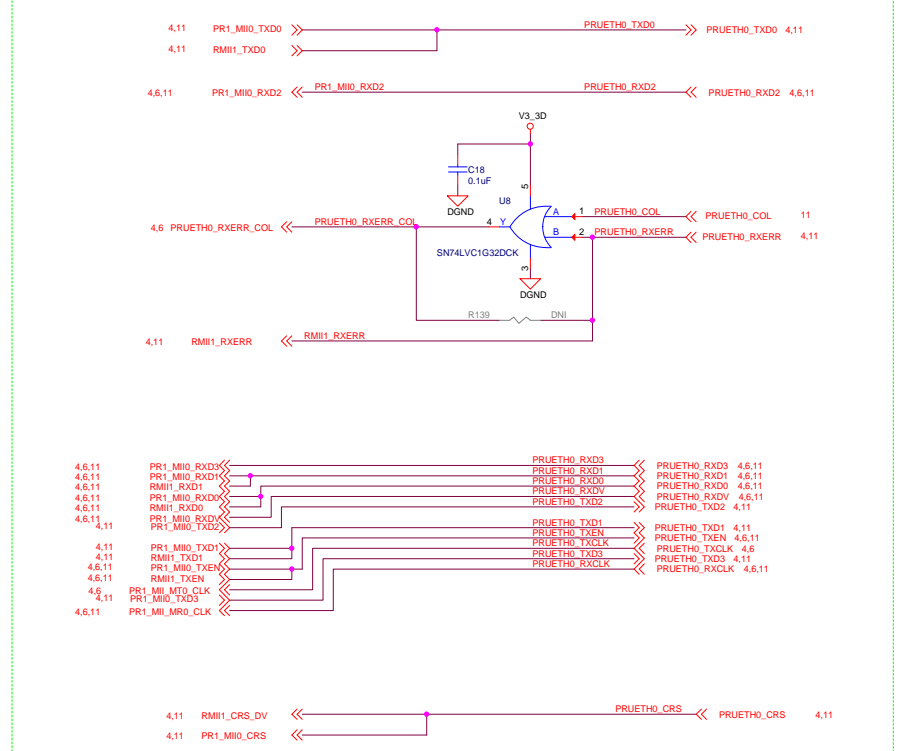
MI11\_MUX2



MI11\_MUX



MI10\_MUX

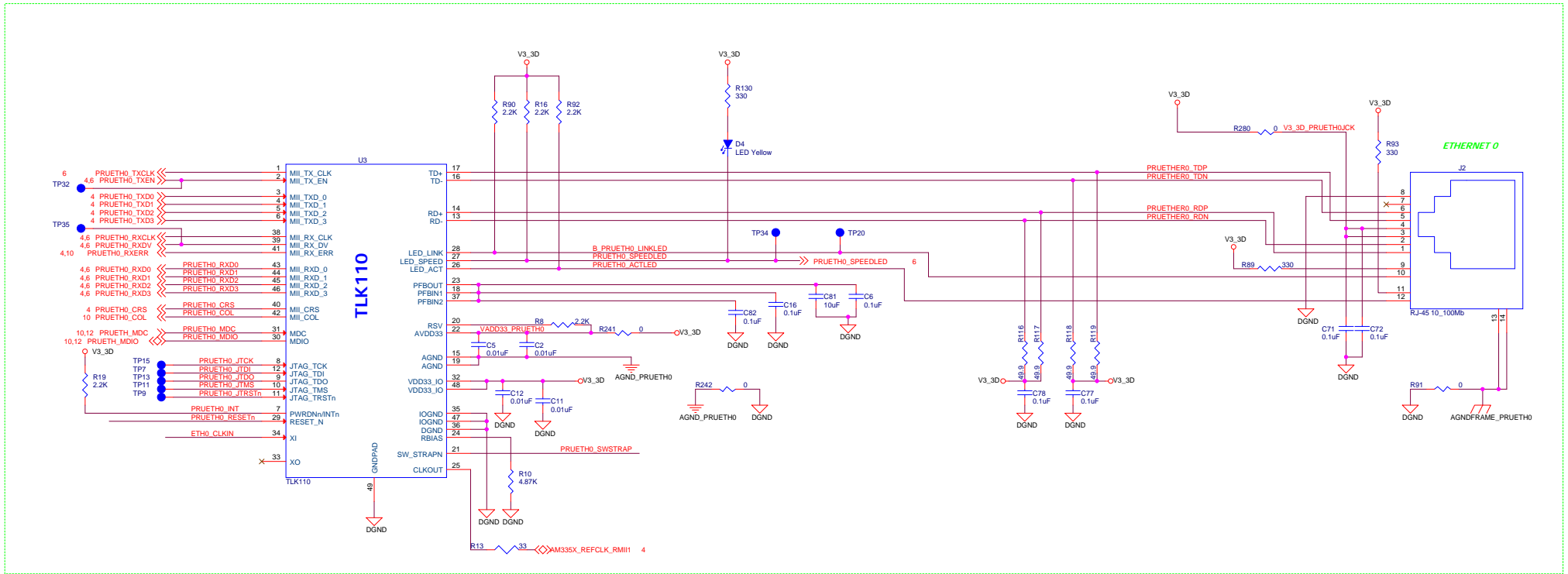


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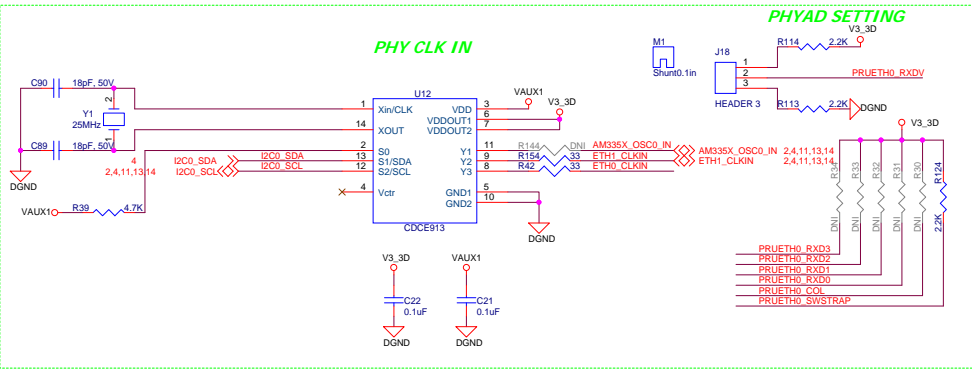
**TMDXICE3359**  
 PRU\_CPSW\_ETHERNET\_MUX

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C	AM335X_ICE_3H0013_2V0A.dsn	Murugesan & Raghava	0A
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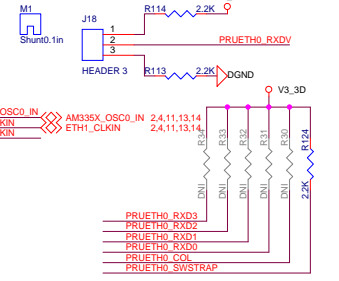
### ETHERNET 0



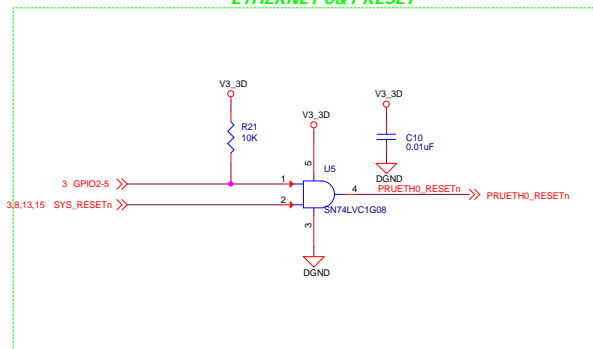
### PHY CLK IN



### PHYAD SETTING

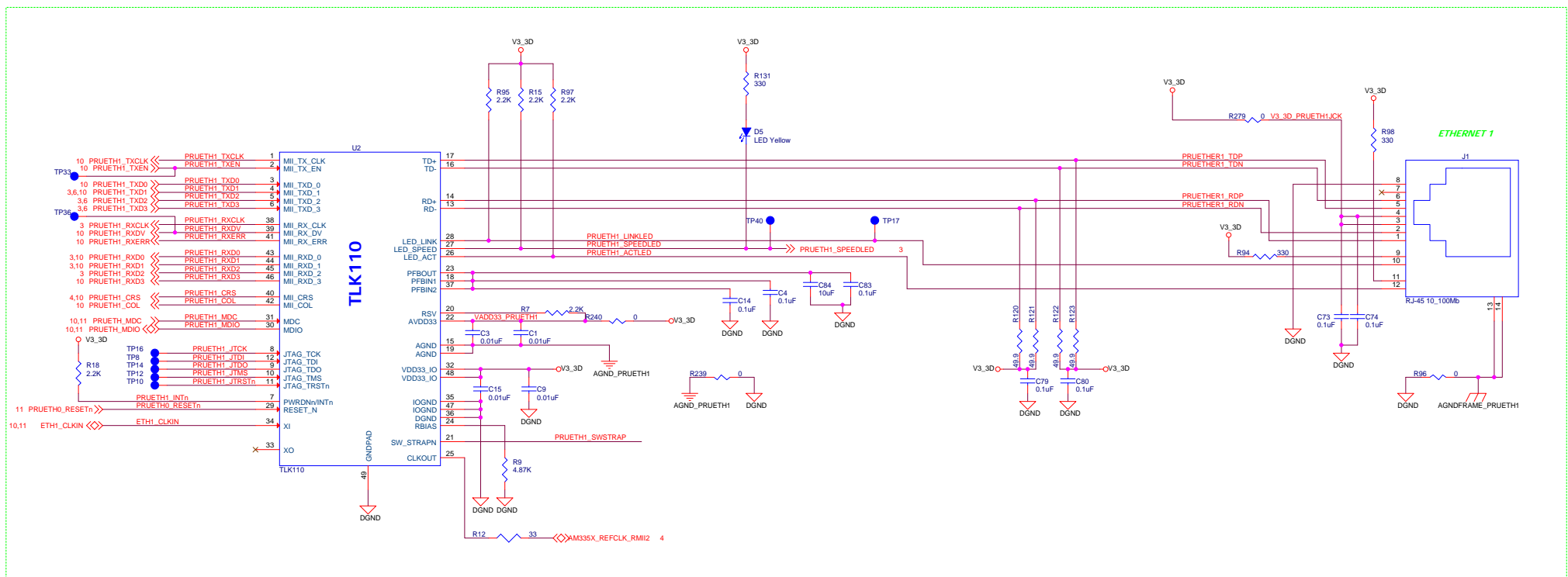


### ETHERNET 0&1 RESET

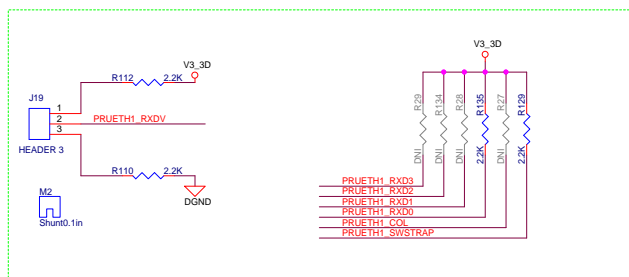


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	Ethernet 0		
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### ETHERNET 1

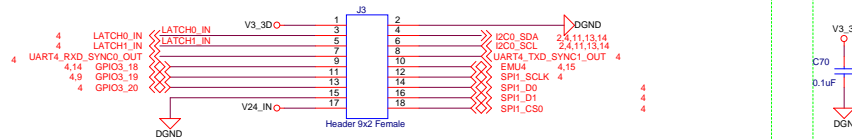
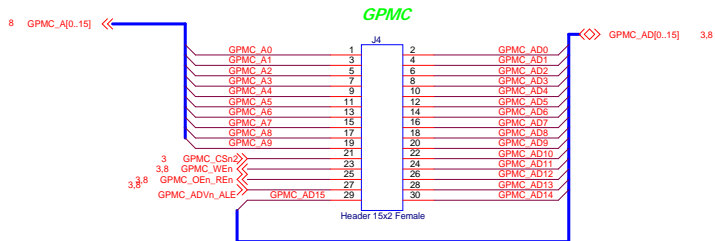


### PHYAD SETTING

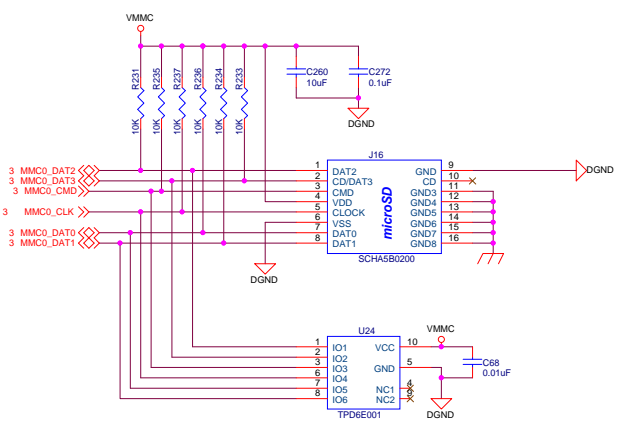


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<b>TMDXICE3359</b>		<b>ETHERNET 1</b>	
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C	AM335X_ICE_3H0013_2V0A.dsn	Murugesan & Ravi	1.0A
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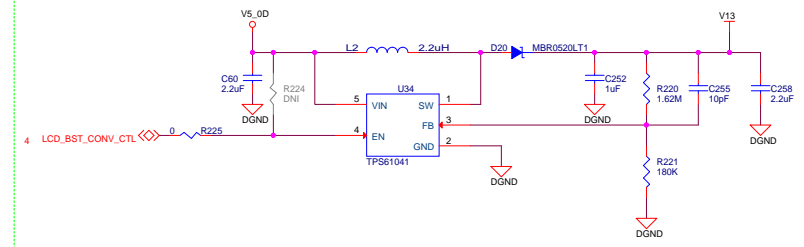
### HOST EXPANSION HEADERS



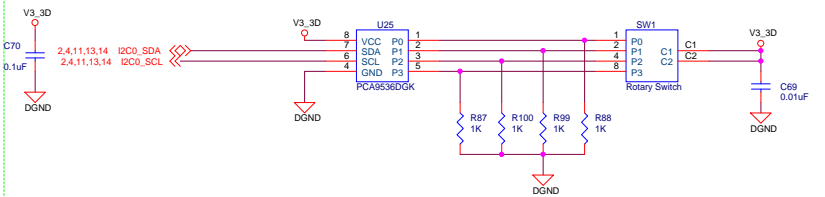
### MICRO SD CARD SOCKET



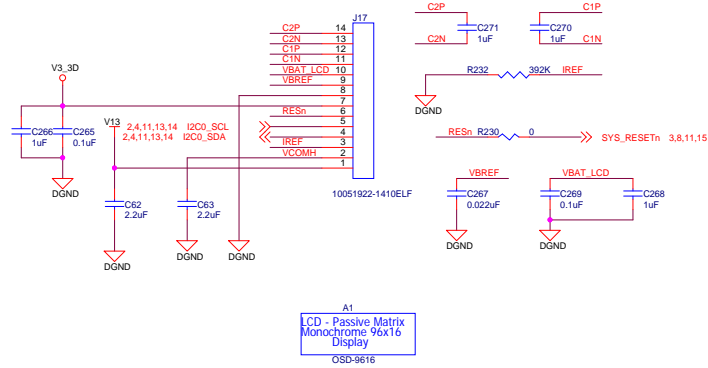
### 5V TO 13V BOOST CONVERTER



### ROTARY SWITCH - INDUSTRIAL ETHERNET SLAVE ADDRESS SELECTOR



### MONOCHROME LCD INTERFACE







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