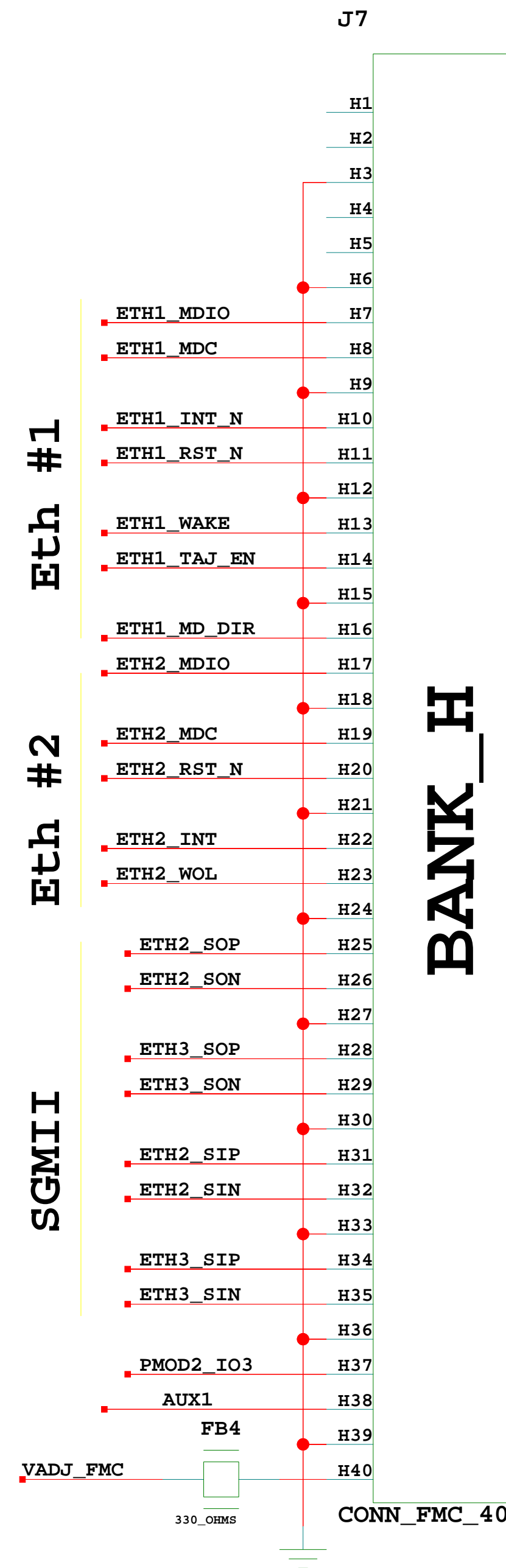
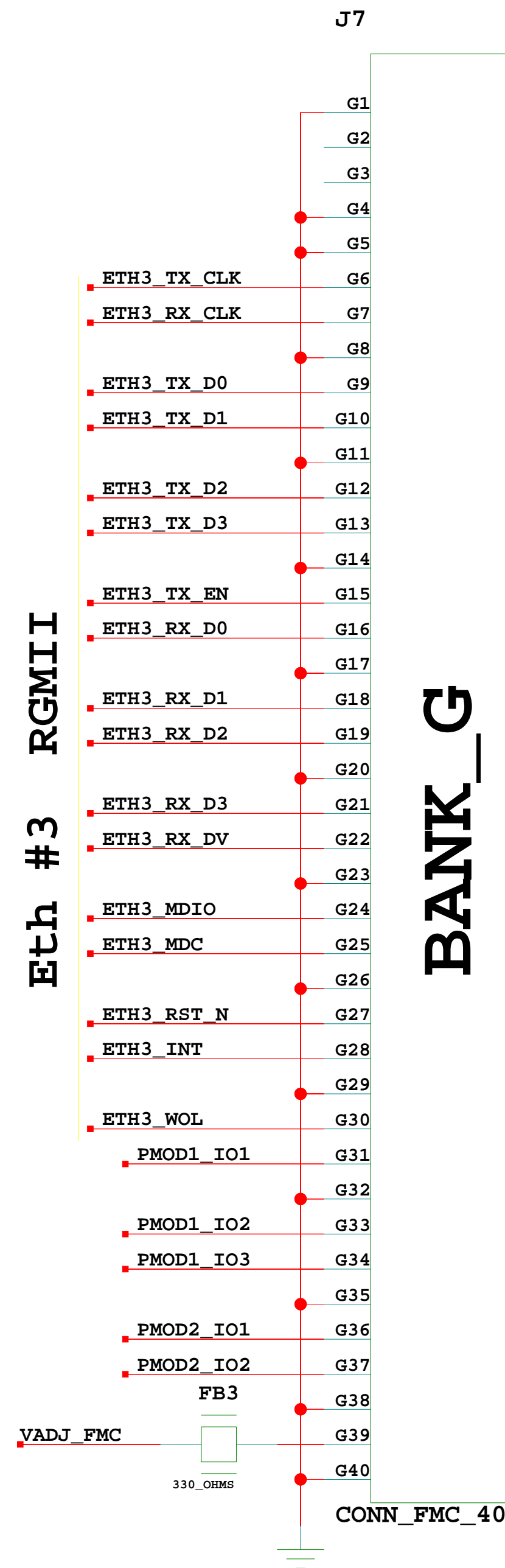
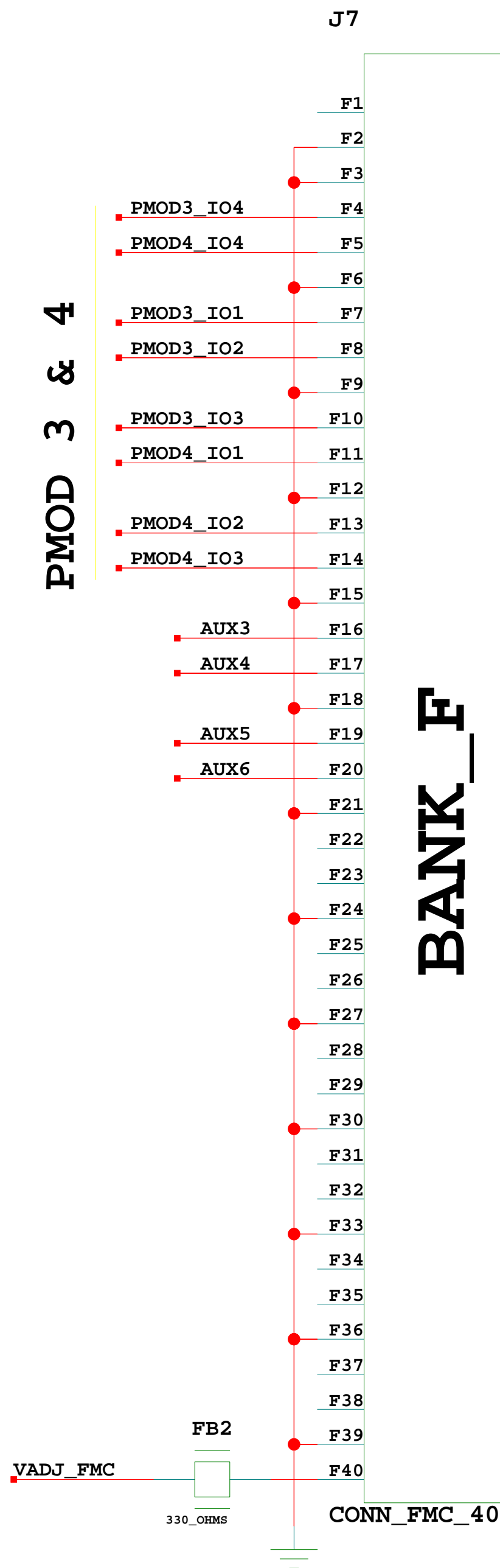
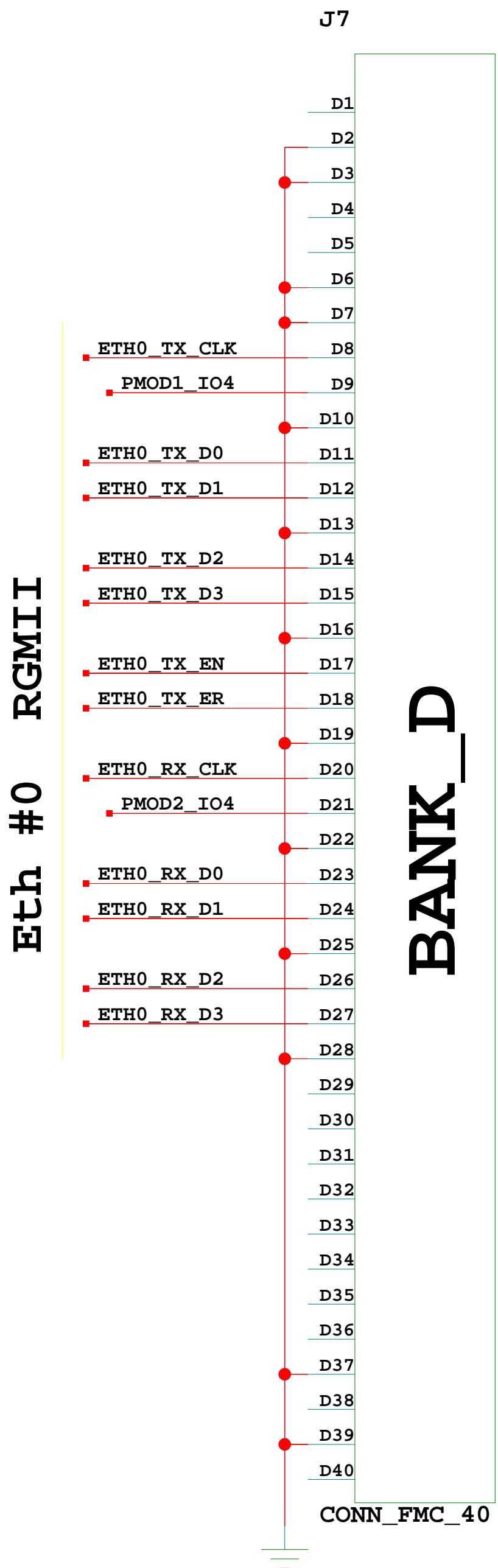
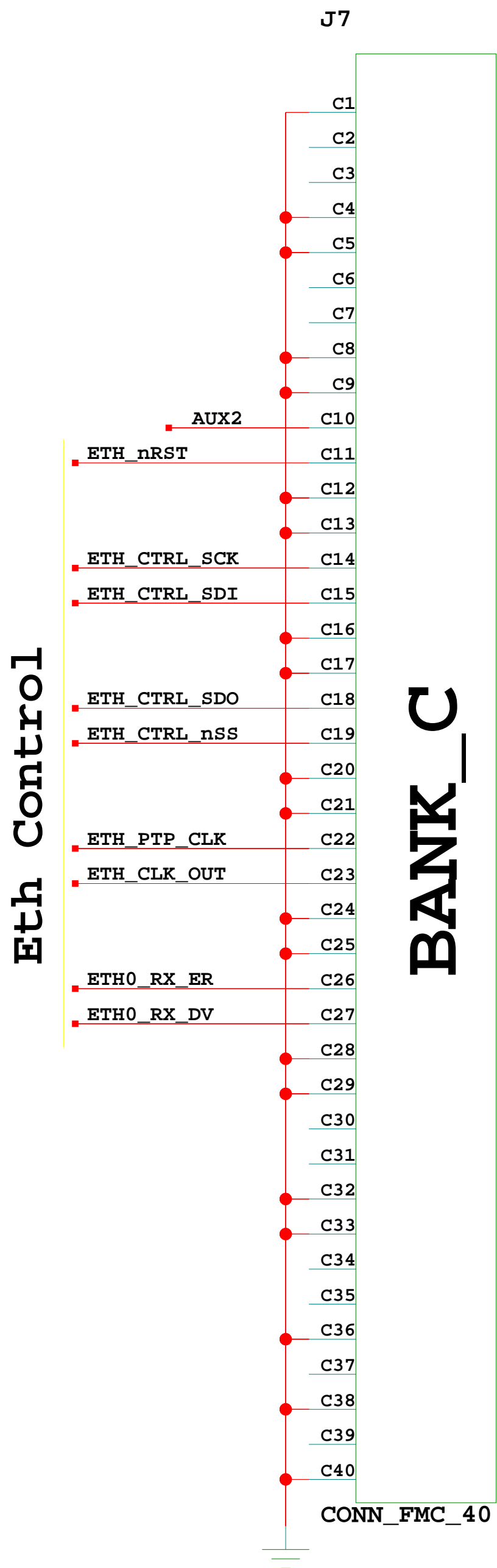
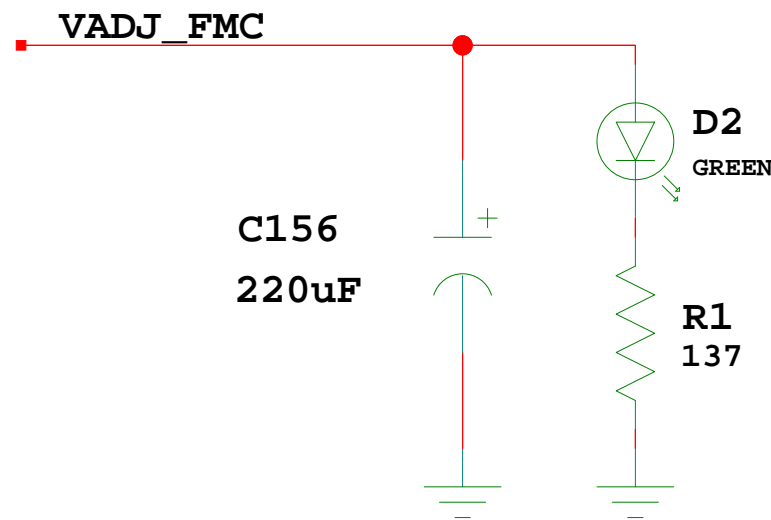


FMC Connector

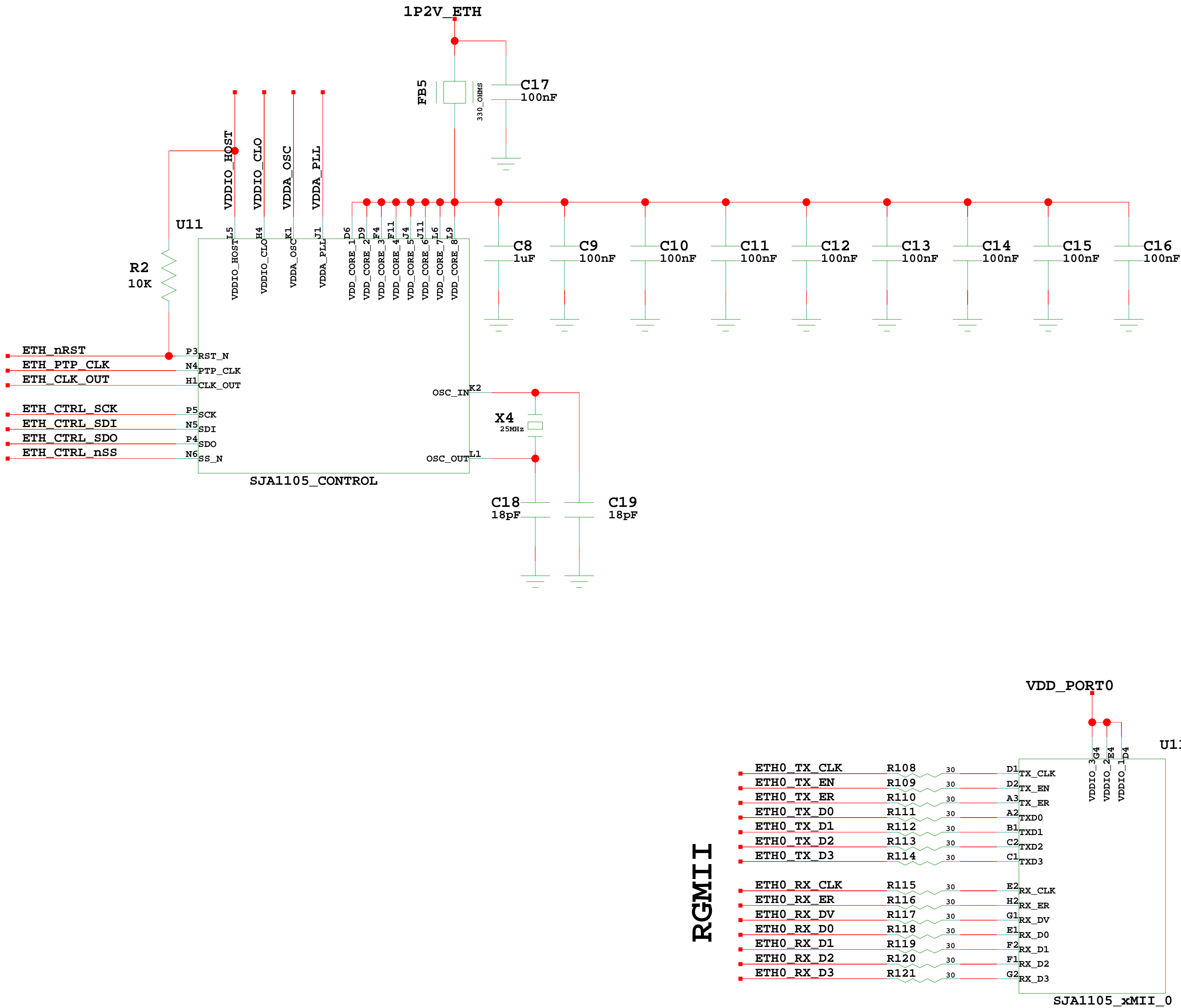
REV		DESCRIPTION	DATE	APPROVED
0		initial release	9/04/18	



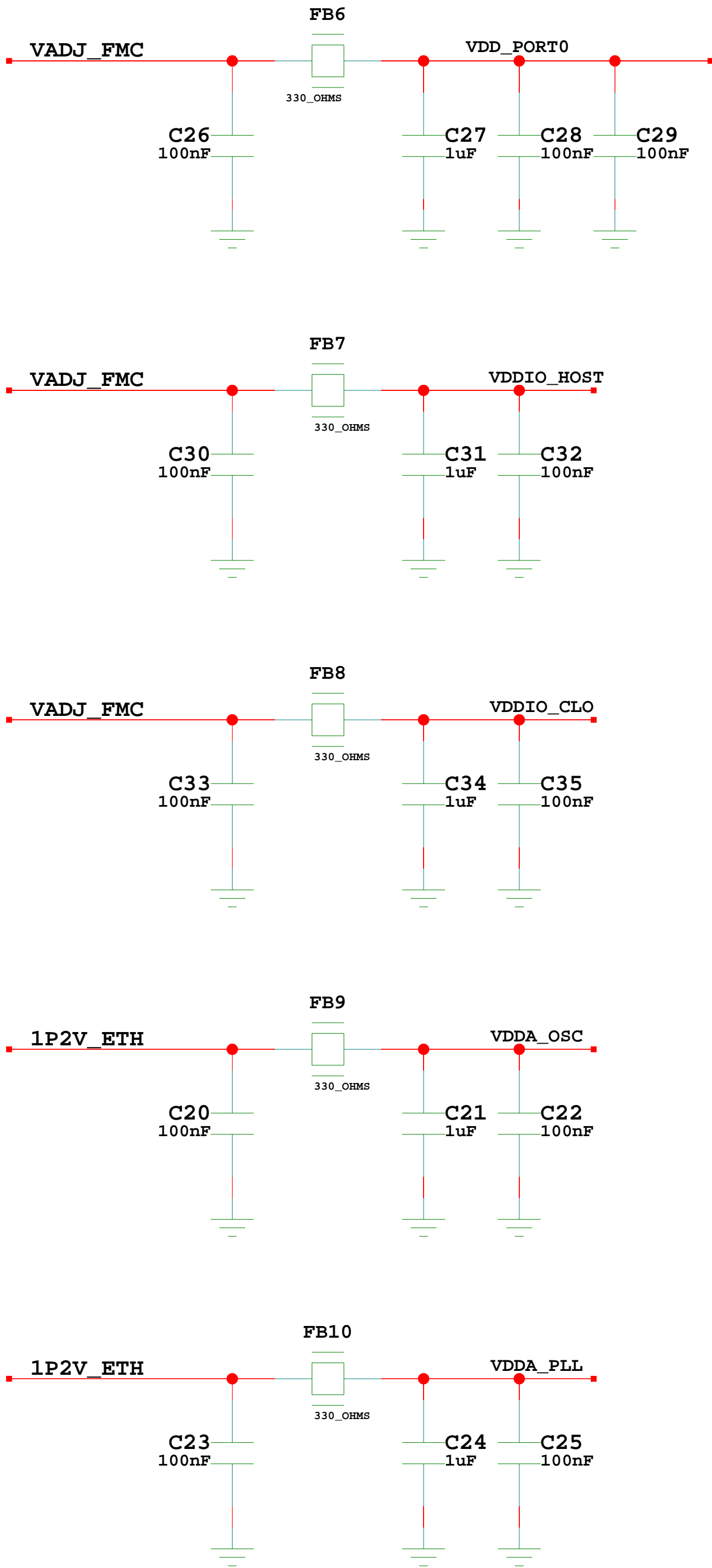
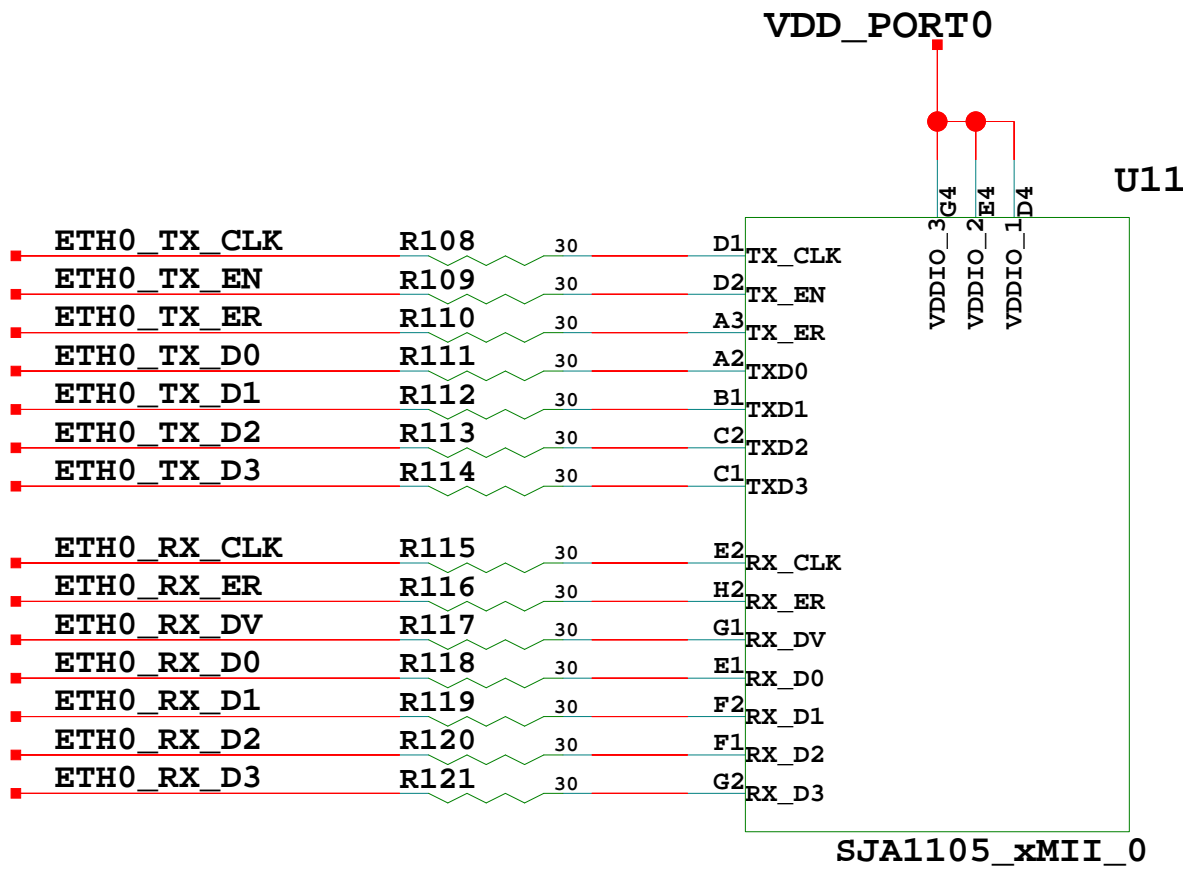
- * FMC signal expected to be 2.5V TTL
- * Bank F only available on full FMC



Port #0
(Master)



RGMII

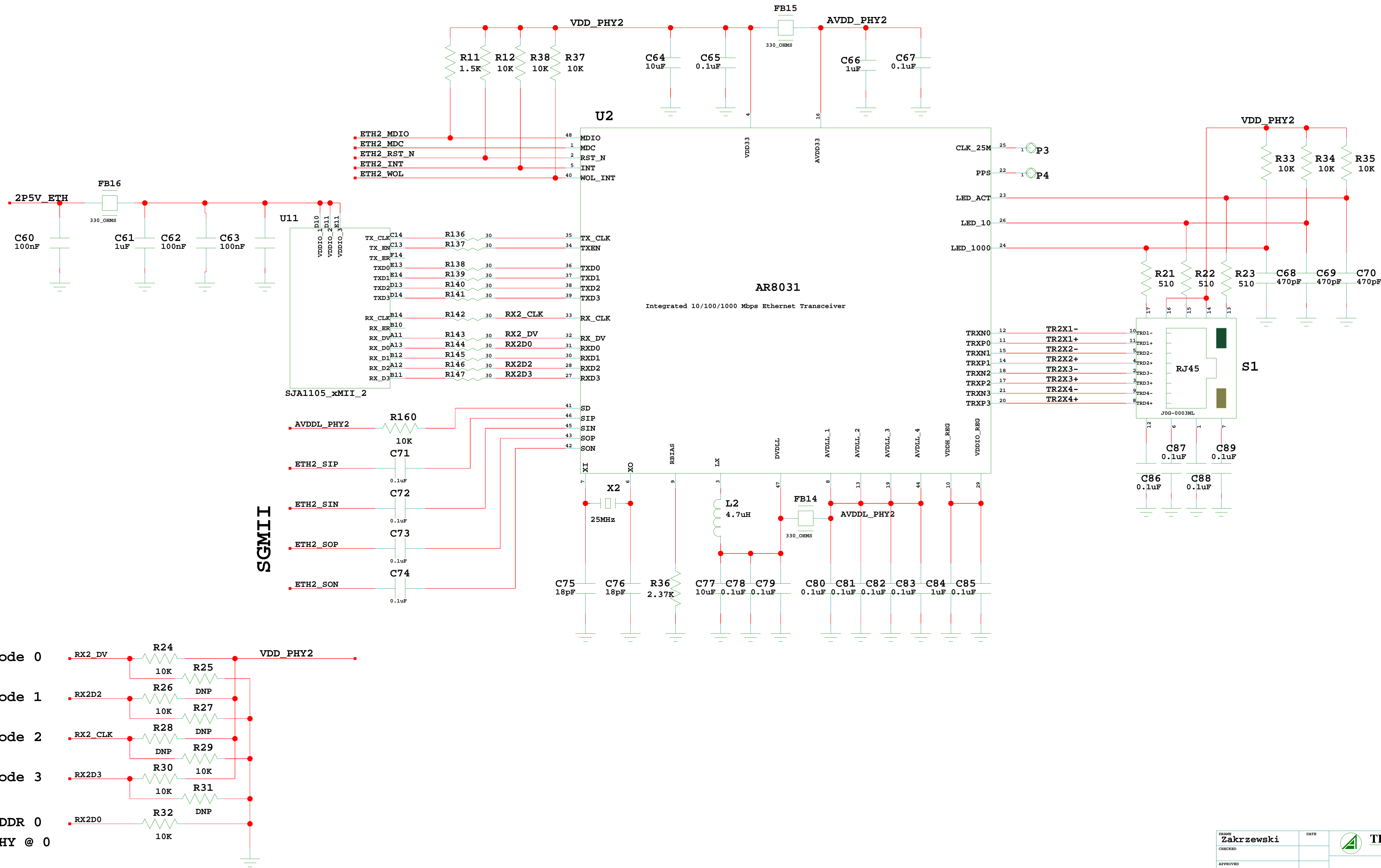


	DWG. NO.		SHT	REV.
REVISIONS				
REV	DESCRIPTION	DATE	APPROVED	



Port #2
(Switched Ethernet)

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

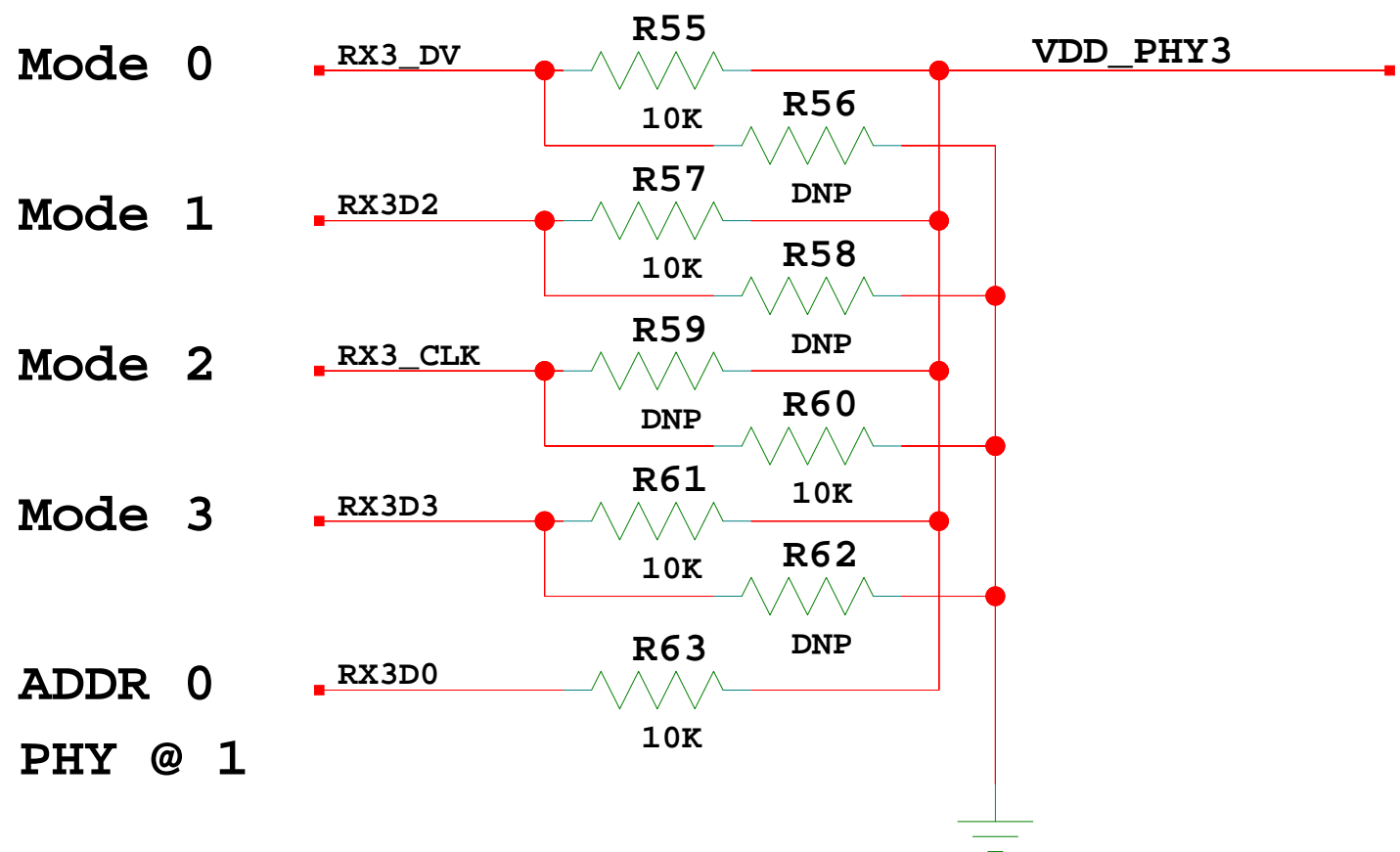
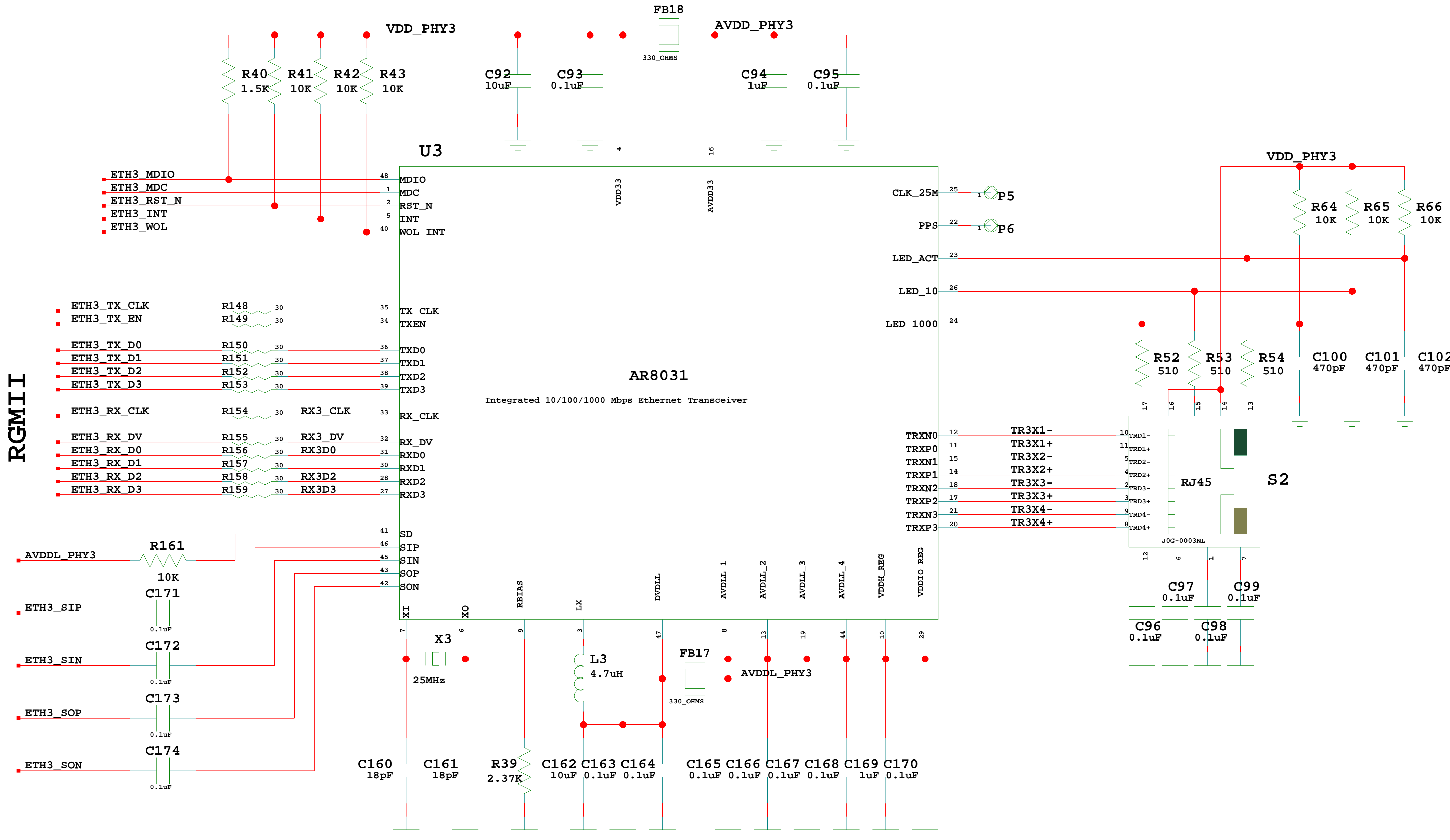


DESIGN	Zakrzewski	DATE	
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APPROVED			
CONTRACT NUMBER:			

THE AEROSPACE CORPORATION	
EL SEGUNDO, CALIFORNIA	
GigE FMC Card	
SIZE	FROM NO.
D	12782
SCALE	PRINTED:
SHEET	4 OF 8

Port #3
(FPGA Direct)

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

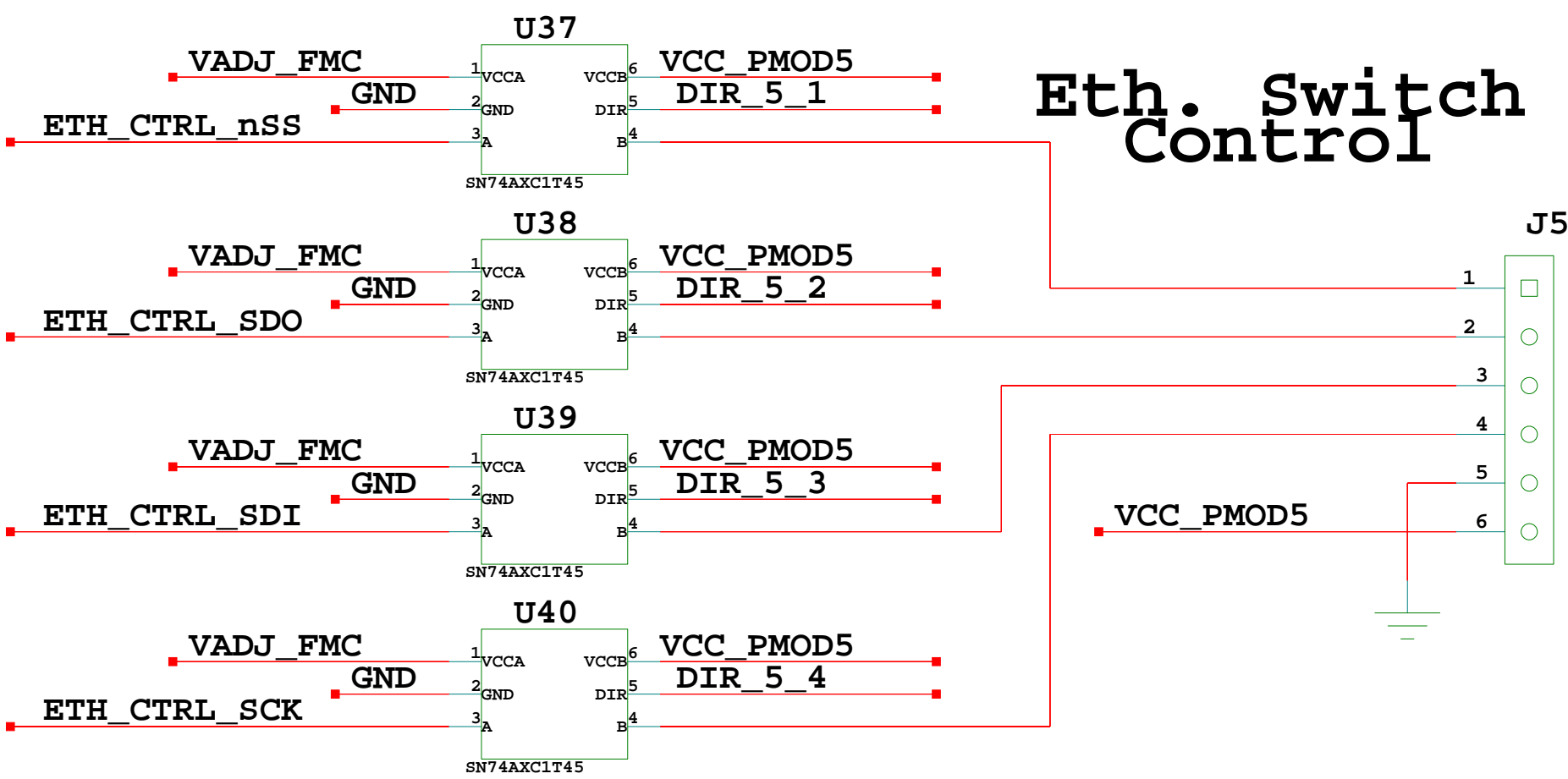
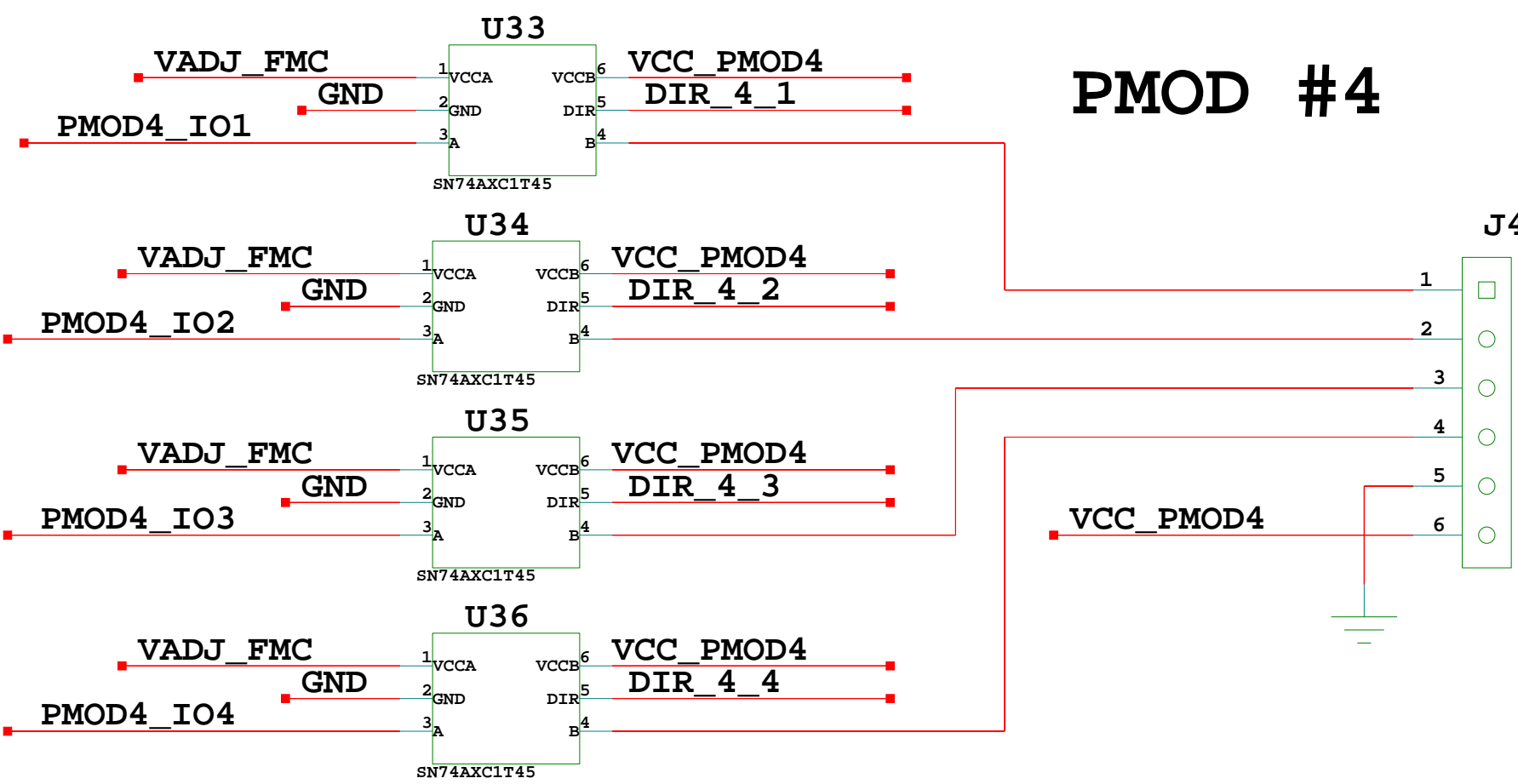
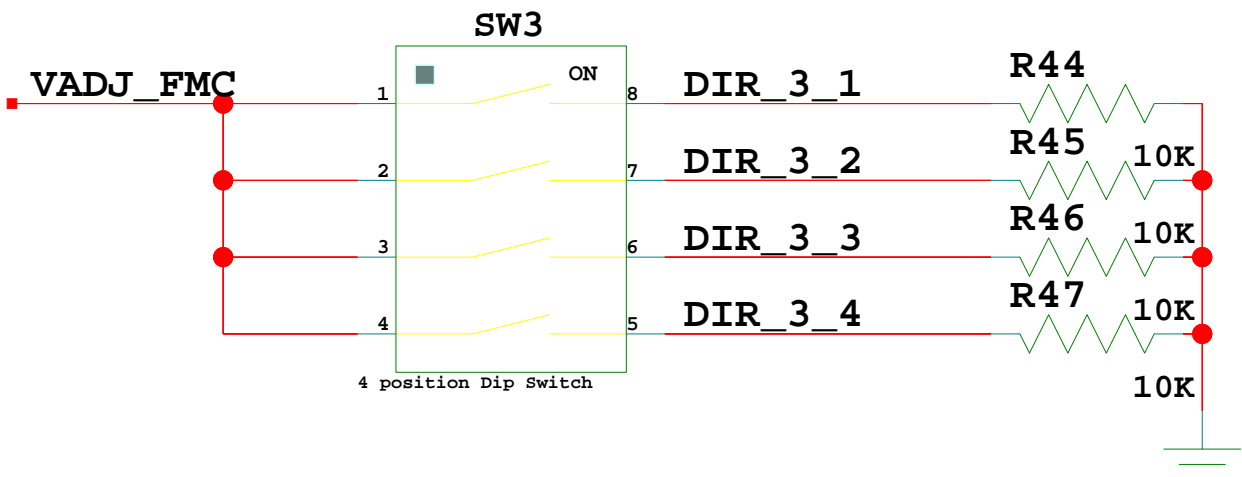
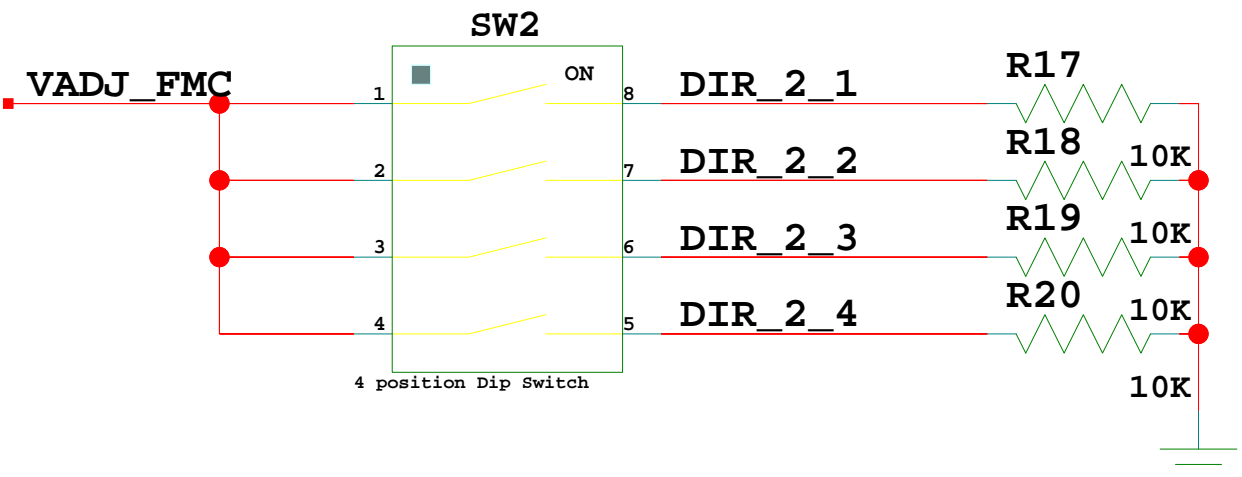
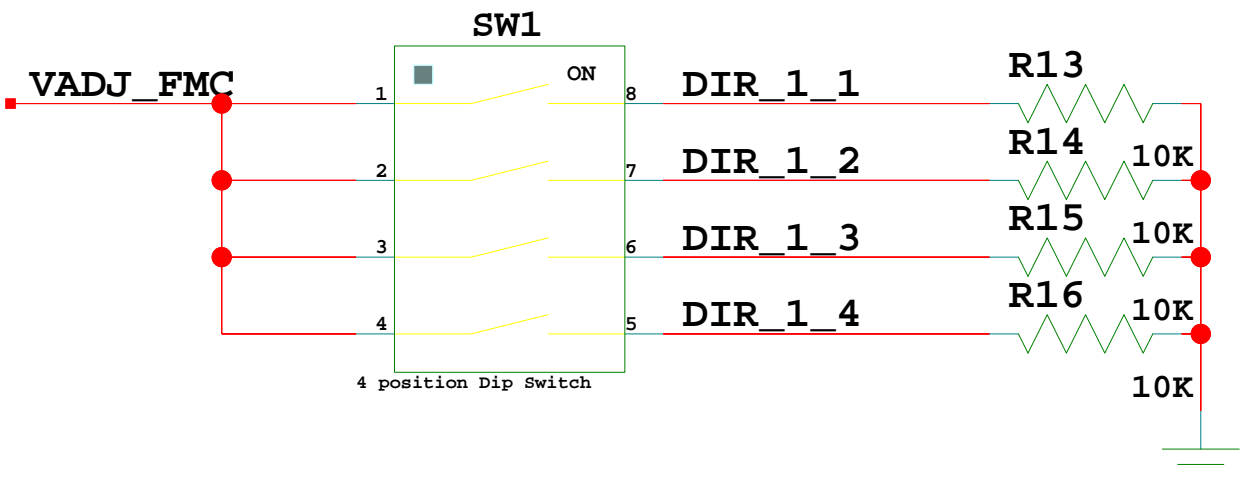
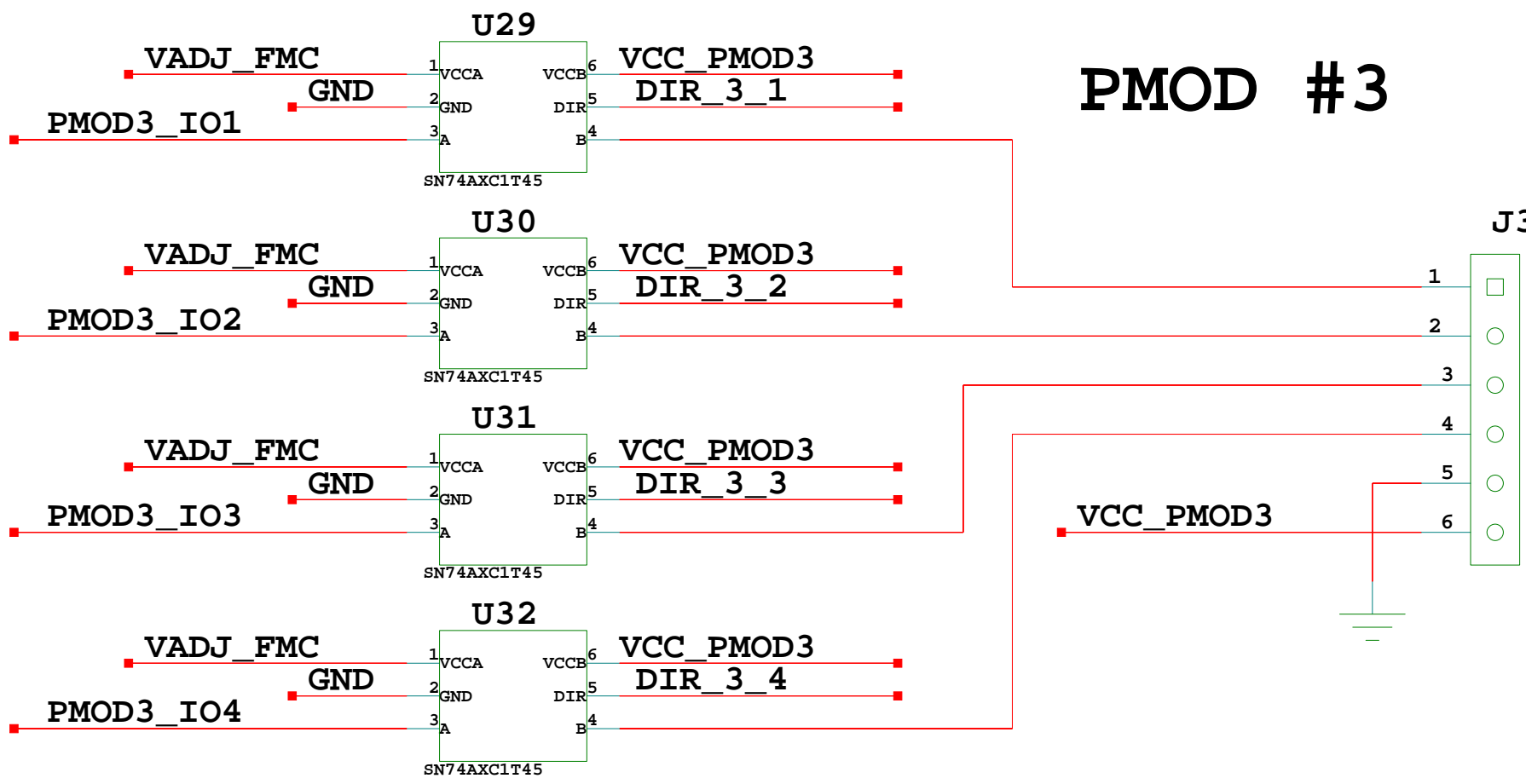
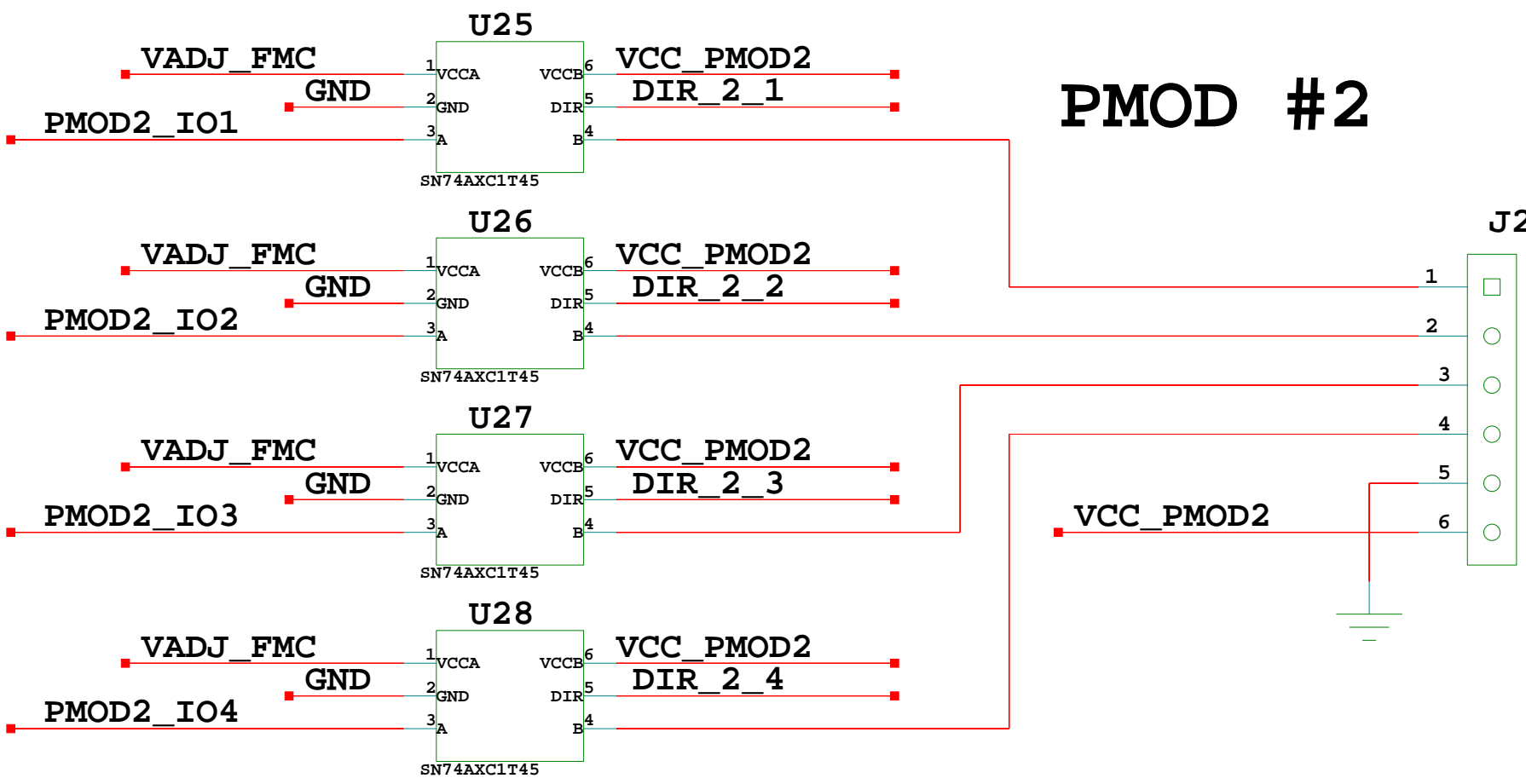
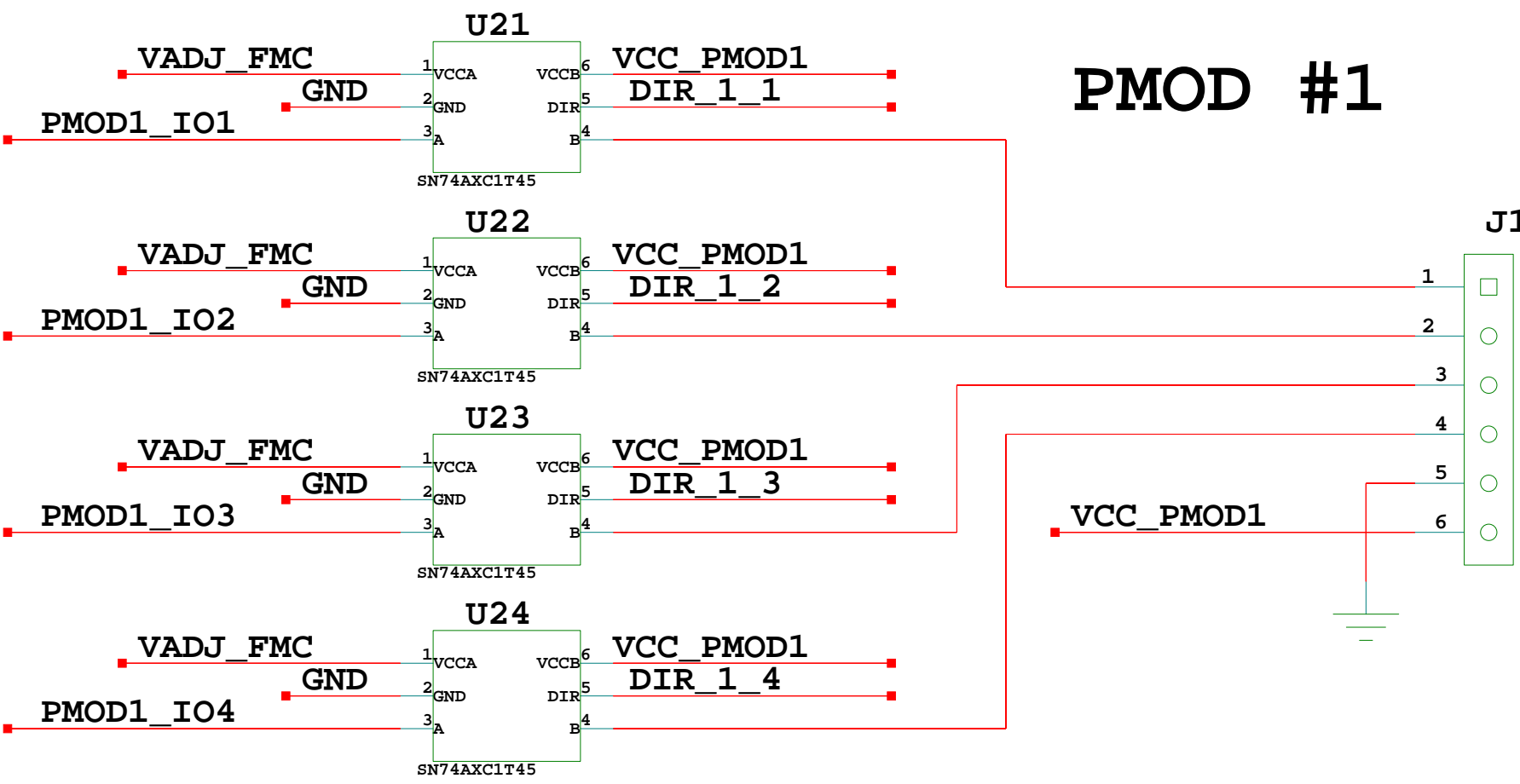


DESIGN	Zakrzewski	DATE	
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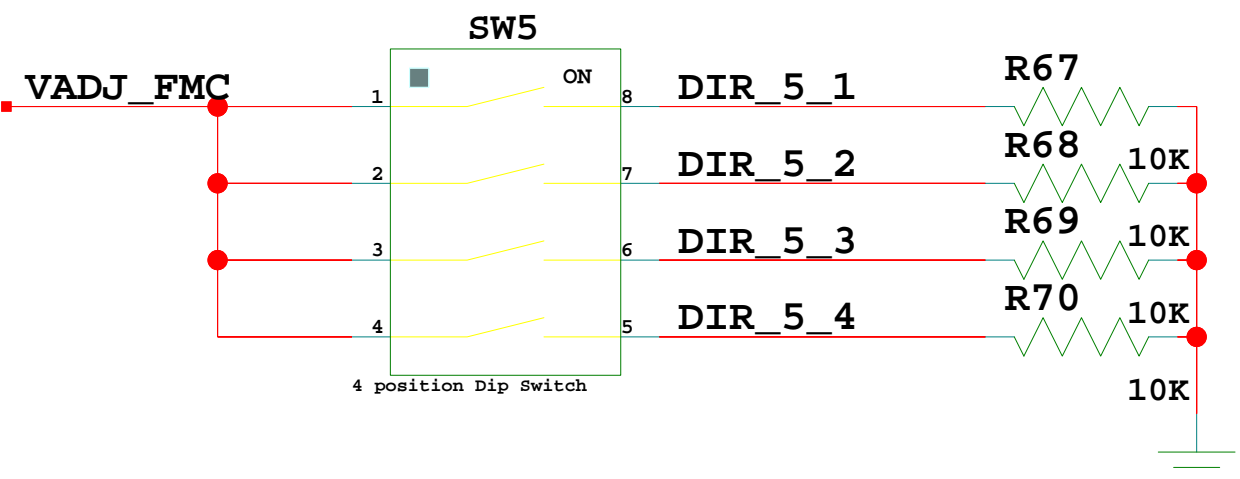
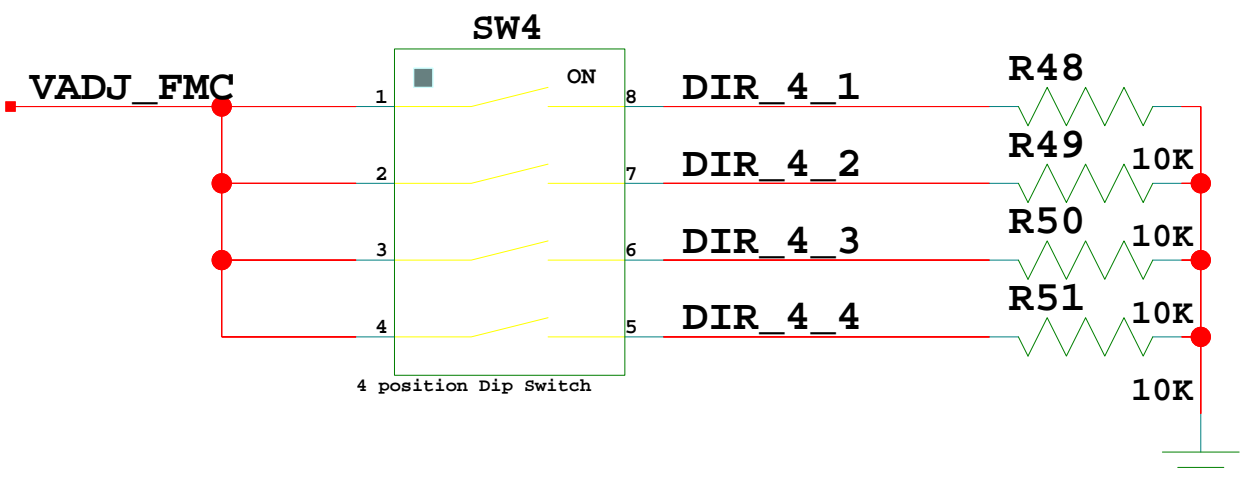
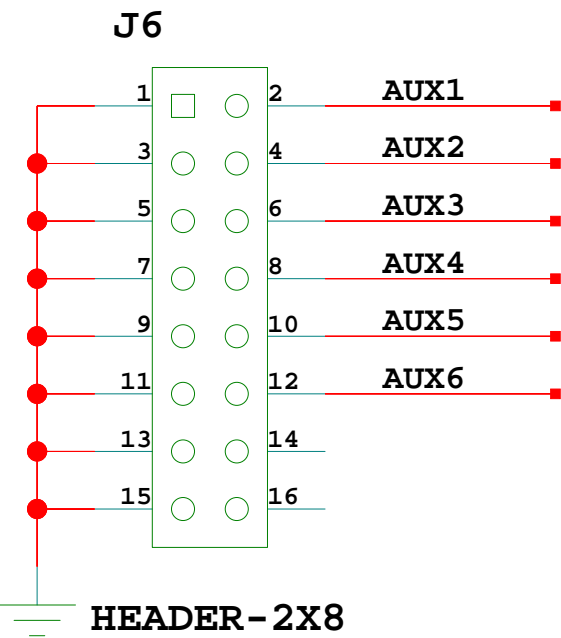
THE AEROSPACE CORPORATION	EL SEGUNDO, CALIFORNIA
GigE FMC Card	
SIZE	FROM NO.
D	12782
SCALE	PRINTED:
SHEET	5 OF 8

PMOD Connectors

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REV	DESCRIPTION	DATE	APPROVED



Aux Header



- * Bypass Caps on page 8
- * Edge Placement Considerations

**If using PMOD control of Ethernet Switch, corresponding FMC signals must be Hi-Z. Otherwise DNP U37-U40

DESIGN	Zakrzewski	DATE	
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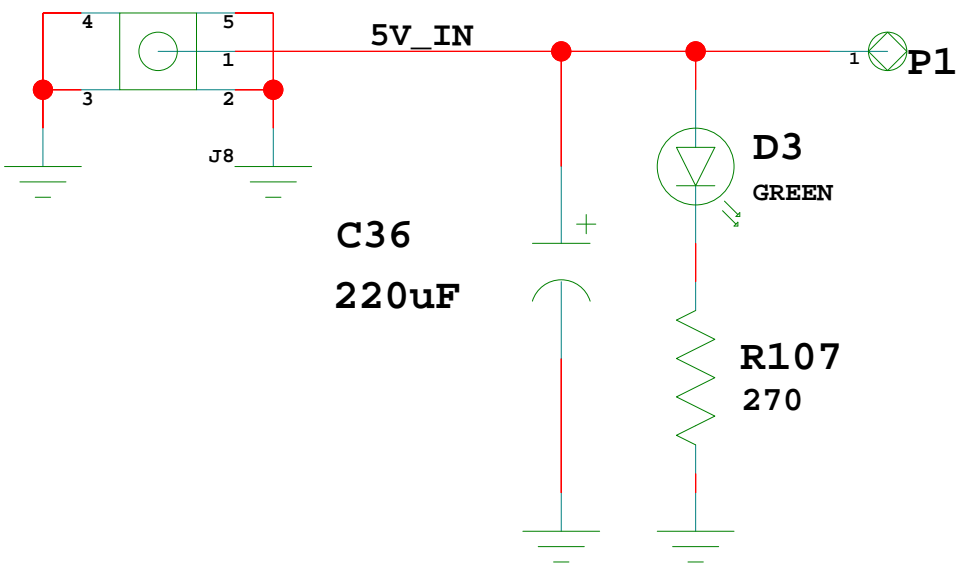
THE AEROSPACE CORPORATION	EL SEGUNDO, CALIFORNIA
GigE FMC Card	
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SHEET 6	OF 8

POWER

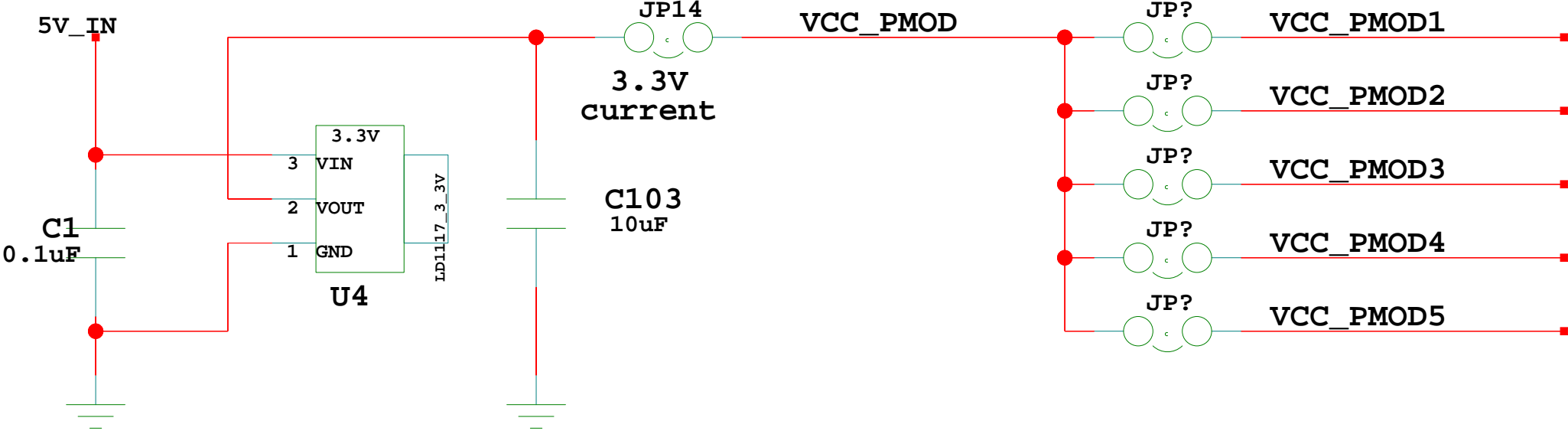
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REV	DESCRIPTION	DATE	APPROVED

*all supplies
are 800mA MAX

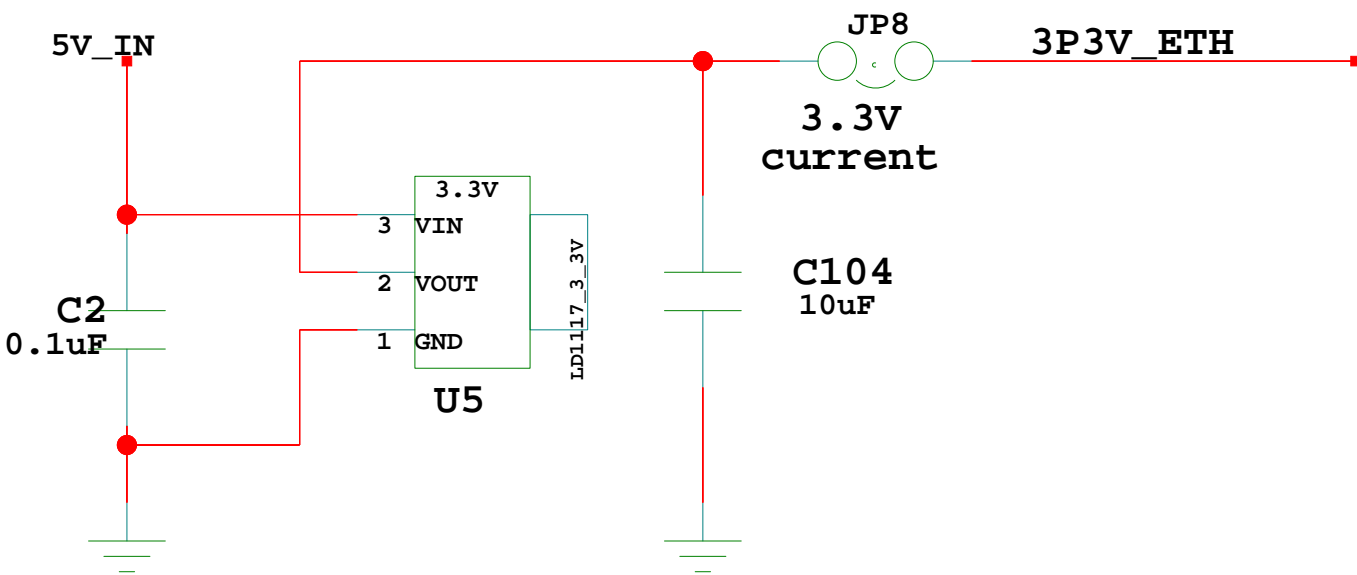
5V IN



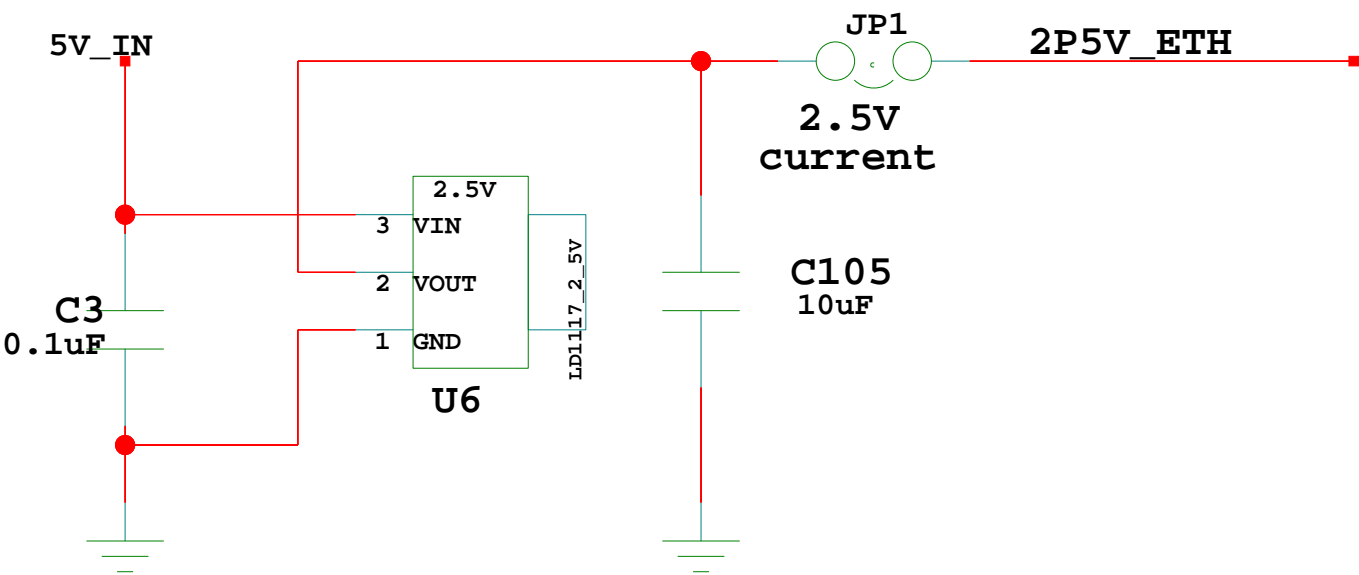
PMOD 3.3V



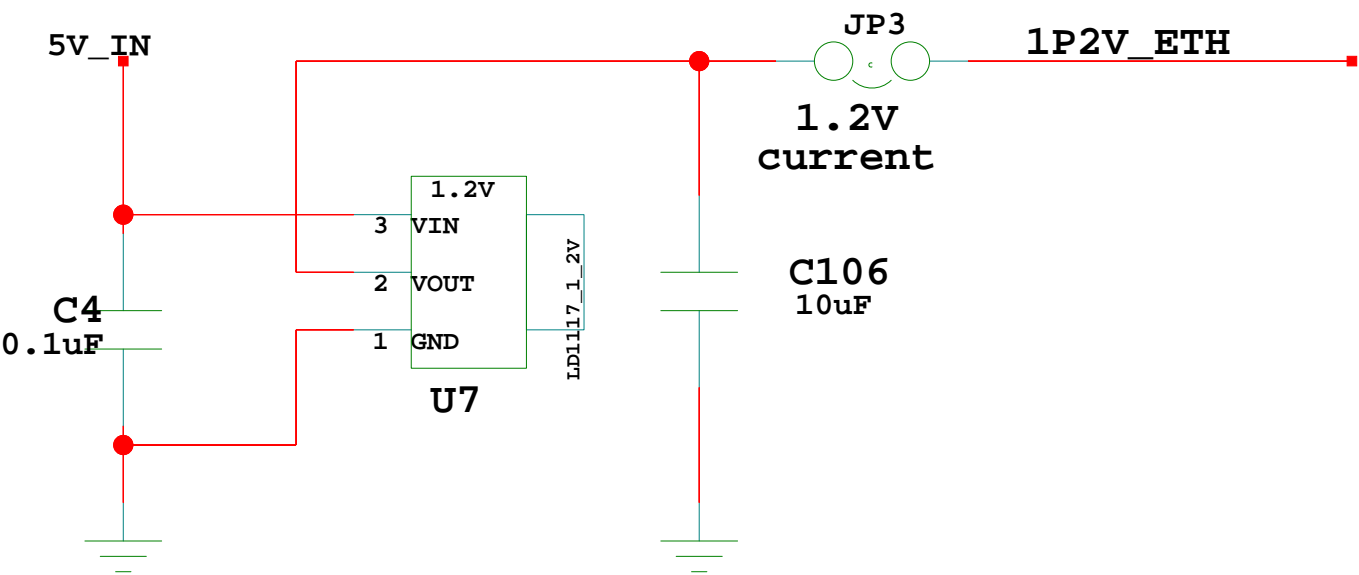
Ethernet Switch 3.3V



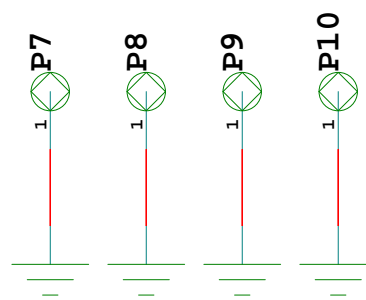
Ethernet Switch 2.5V



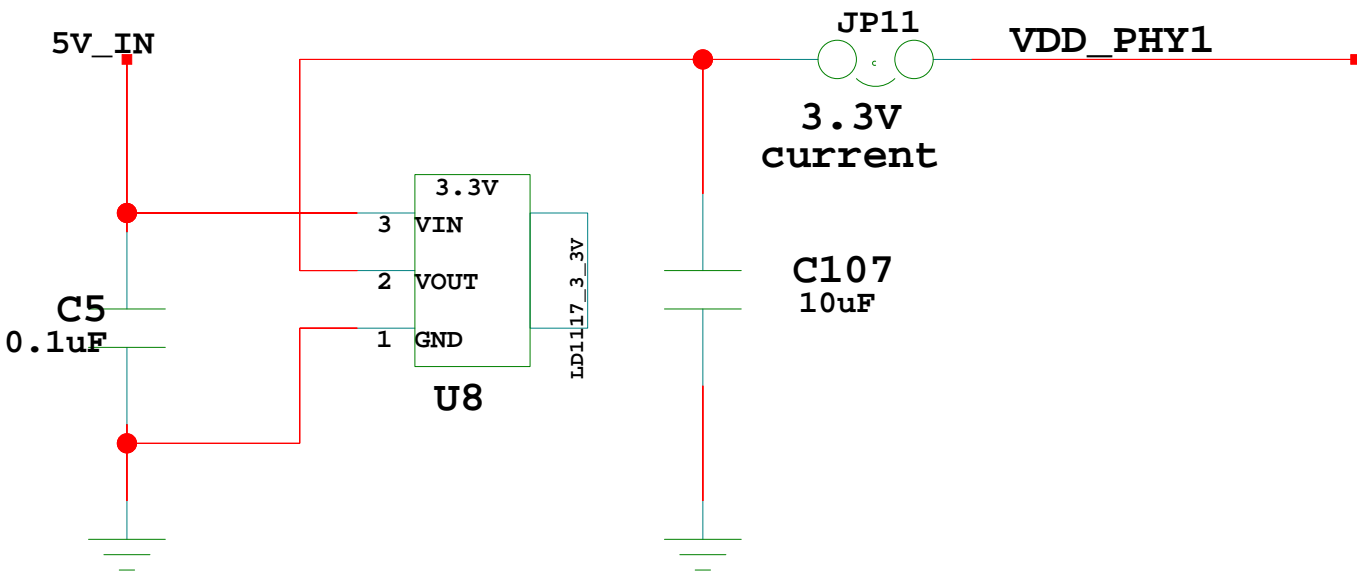
Ethernet Switch 1.2V



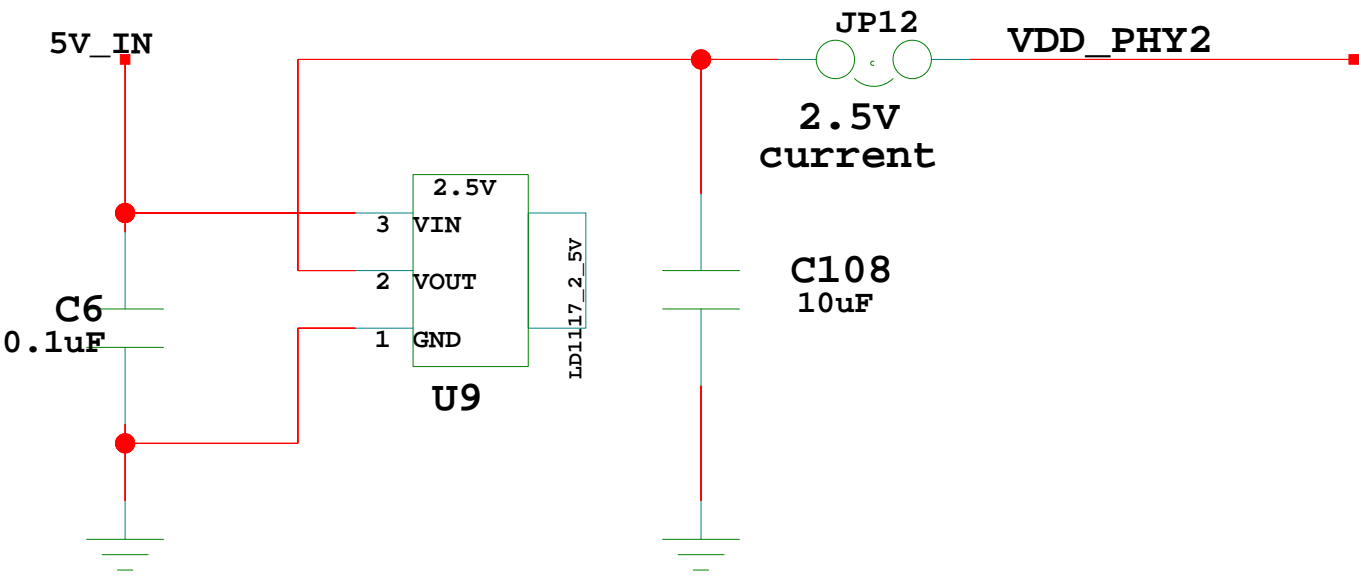
GND



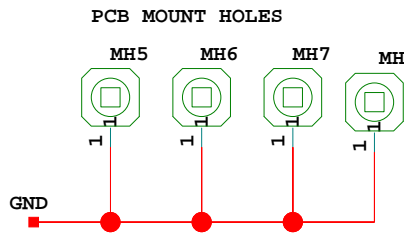
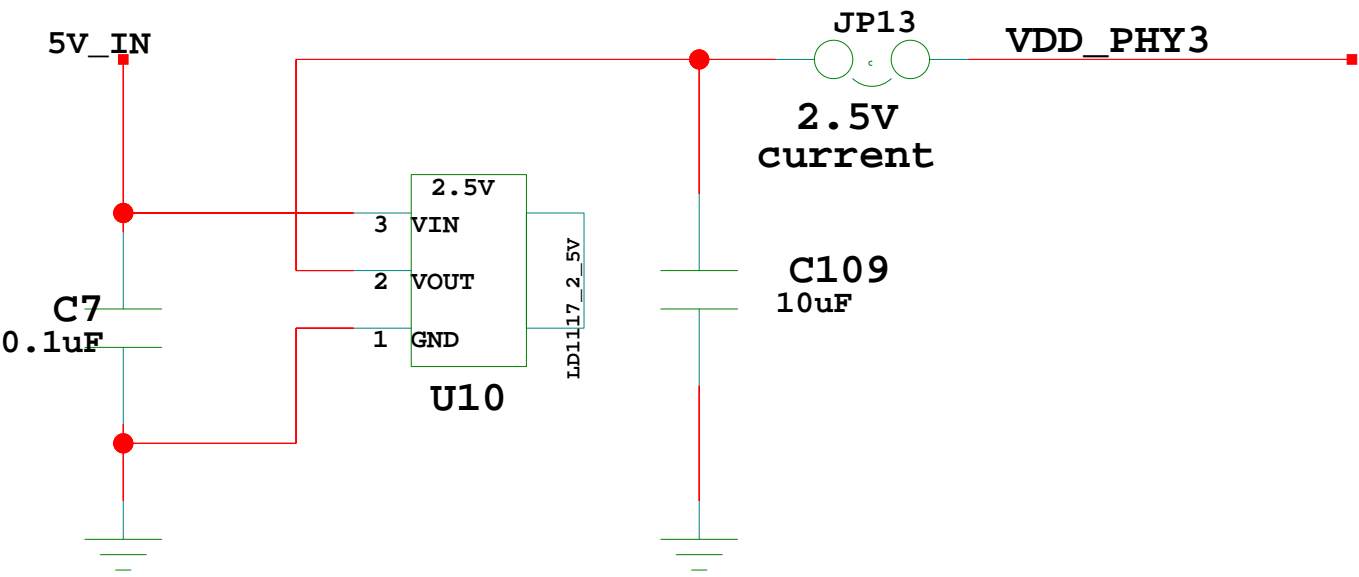
PHY #1 3.3V



PHY #2 2.5V



PHY #3 2.5V



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GigE FMC Card

SIZE: D FROM NO. 12782 PRINTED: SHEET 7 OF 8

Unused FMC, PMOD Caps

REVISIONS			
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BANK_A

CONN_FMC_40

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BANK_B

CONN_FMC_40

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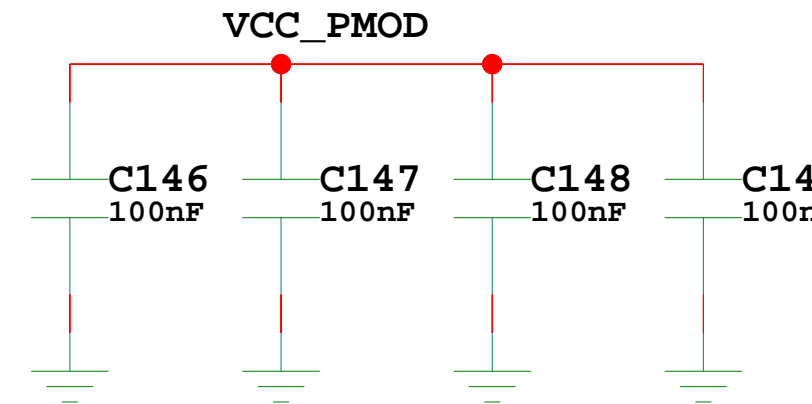
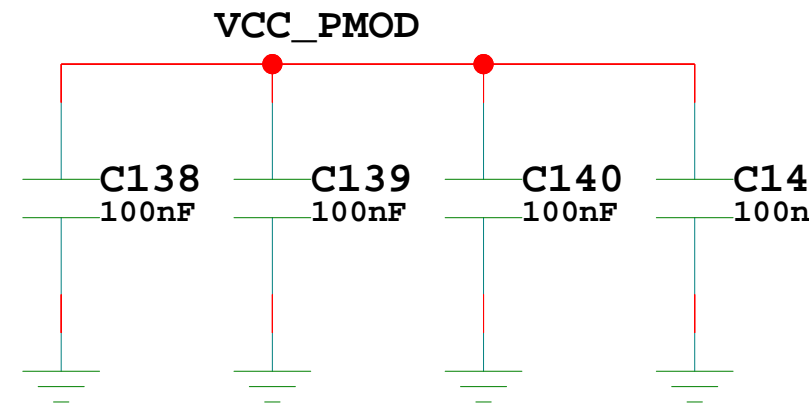
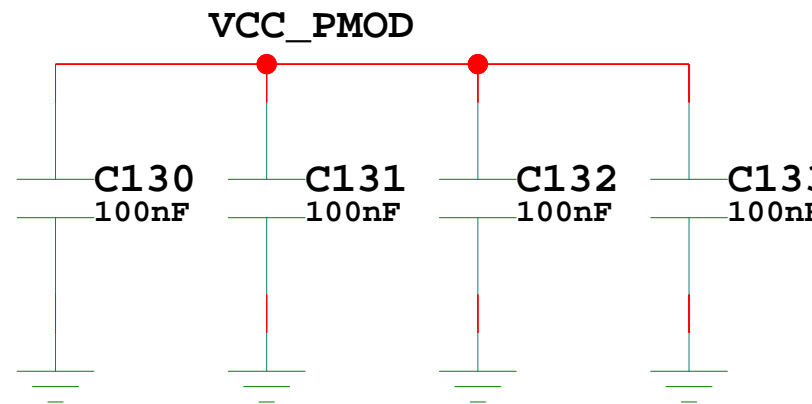
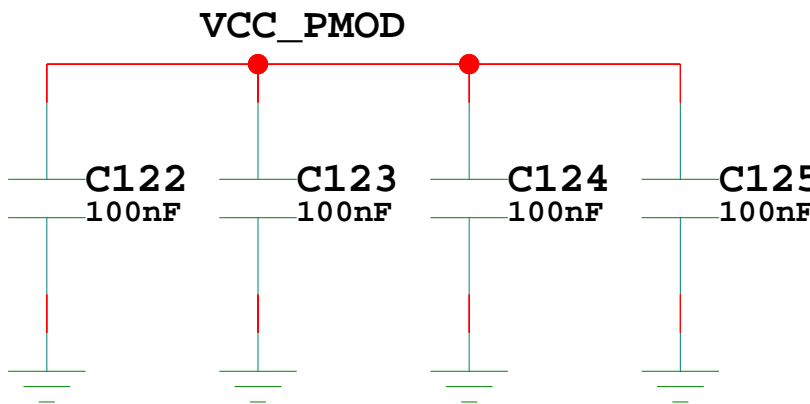
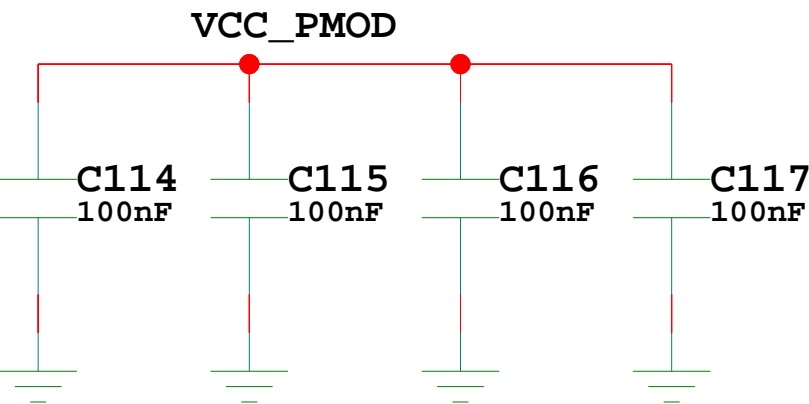
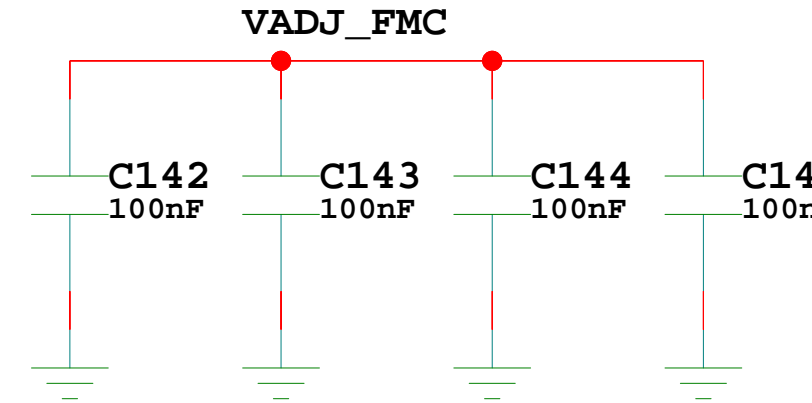
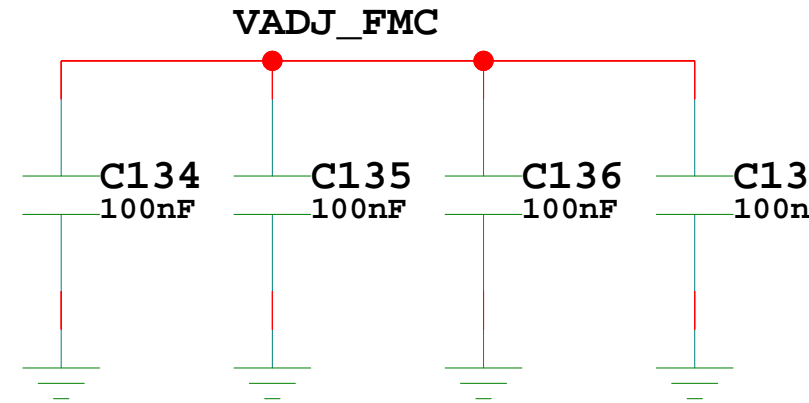
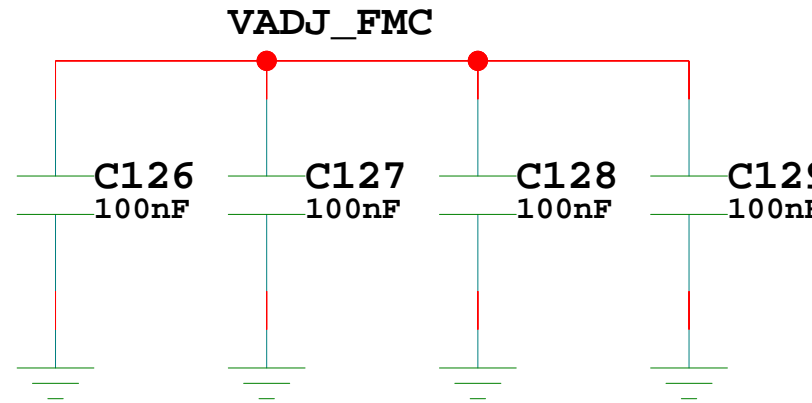
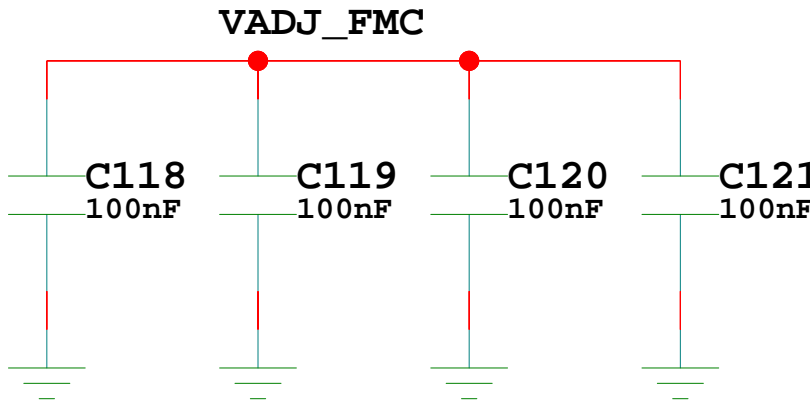
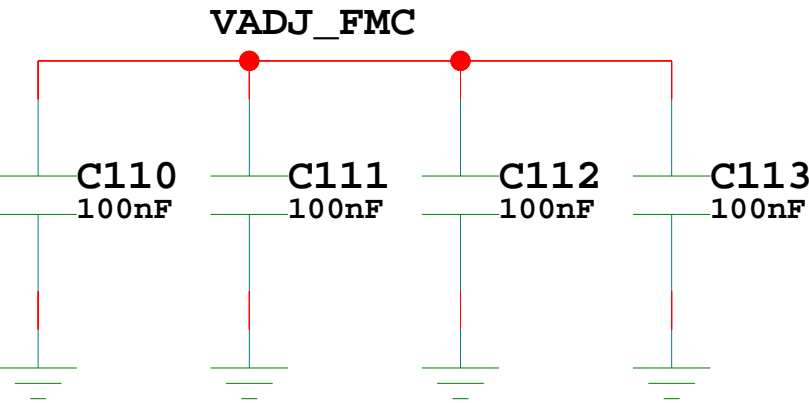
CONN_FMC_40

J7


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BANK_K

CONN_FMC_40



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CHECKED				
APPROVED				
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CONTRACT NUMBER:				

 THE AEROSPACE CORPORATION		EL SEGUNDO, CALIFORNIA	
GigE FMC Card			
SIZE	FRON. NO.	PRINTED:	
D	12782		
SCALE		SHEET	8 OF 8