

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
1.0	INITIAL RELEASE	24/03/2018	NOT VERIFIED

AMMDK

CONTRACT NO:		Entropic Manikin LLC, 670 Transfer Rd, St Paul, MN55114 USA				
DRAWN BY: PRADEEP		DATE 24/03/2018		TITLE SCHEMATIC, AMMDK		
ENGINEER: K N SINGH		24/03/2018				
PROJECT ENGINEER: K N SINGH		24/03/2018				
QUALITY ASSURANCE:						
CONFIGURATION:						
DESIGN ACTIVITY APPROVAL:				SIZE C	DRAWING NO AMMDK-0A1	REV 2.0
DESIGN APPROVAL:				SCALE NONE	RELEASE DATE 24/03/2018	SHEET 1 OF 23

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BLOCK DIAGRAM TO BE ADDED

D

C

B

A

D

C

B

A

Entropic Manikin LLC, 670 Transfer Rd, St Paul, MN55114 USA		TITLE Block Diagram 1			
		SIZE C	DRAWING NO AMMDK-0A1		REV 2.0
		SCALE NONE	RELEASE DATE 24/03/2018	SHEET 3 OF 23	

BLOCK DIAGRAM TO BE ADDED

D

C

B

A

D

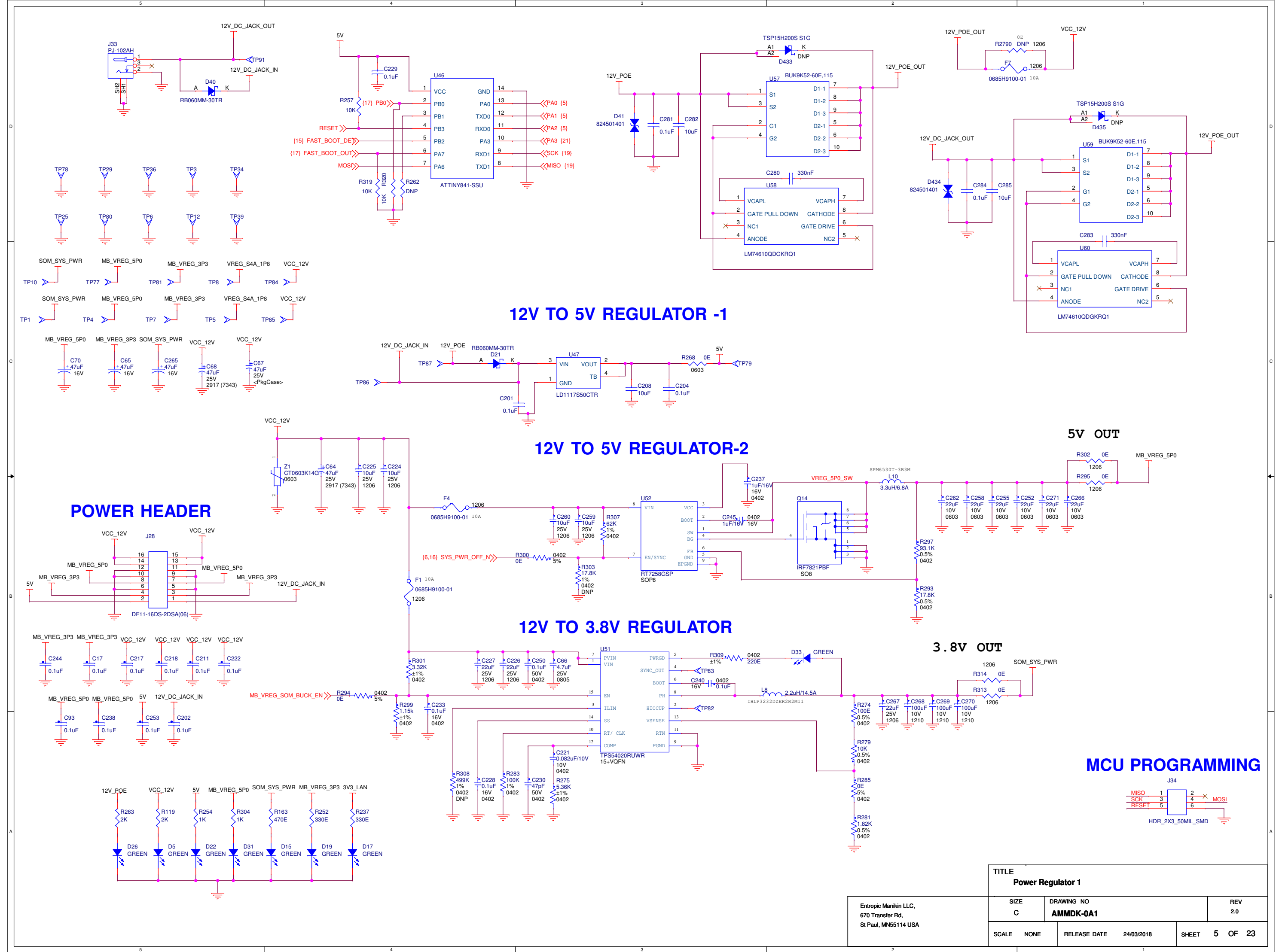
C

B

A

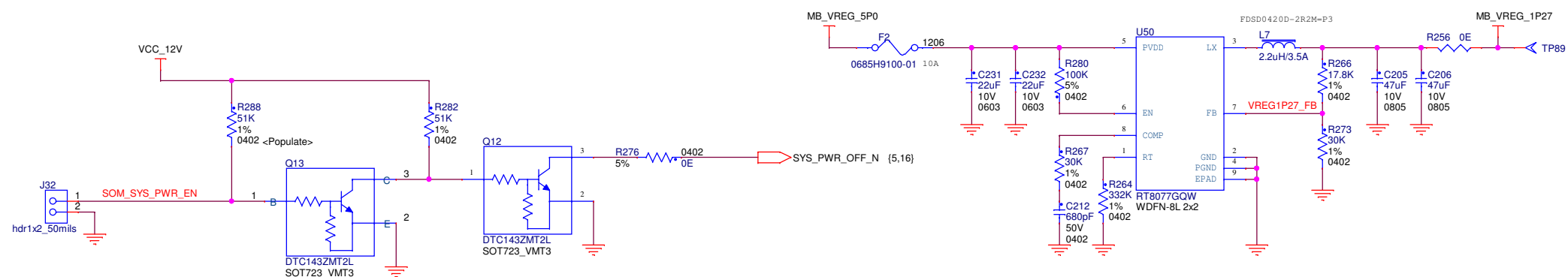
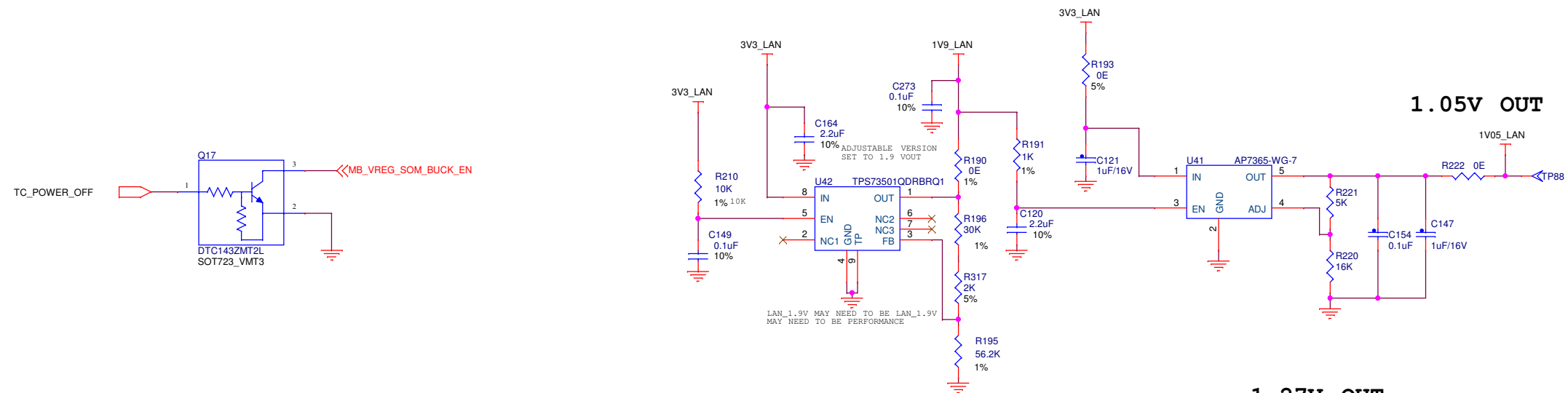
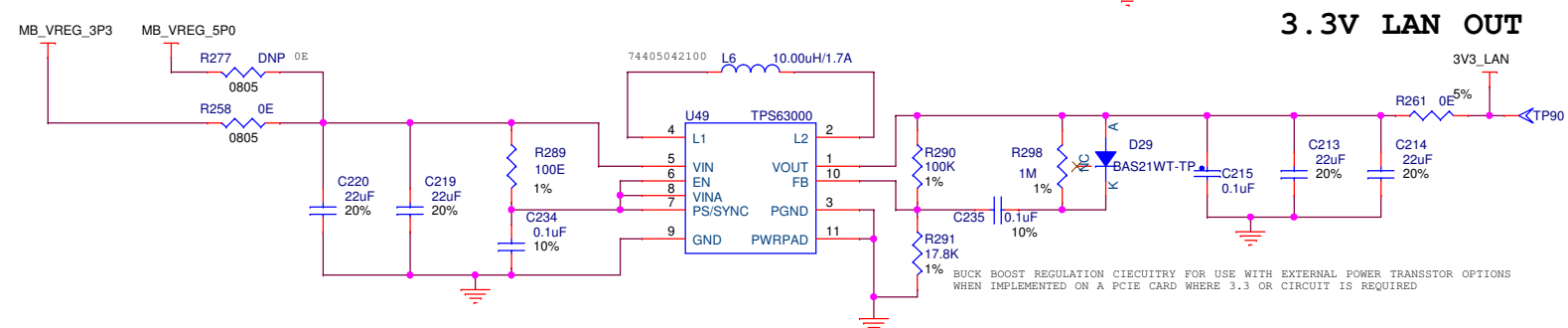
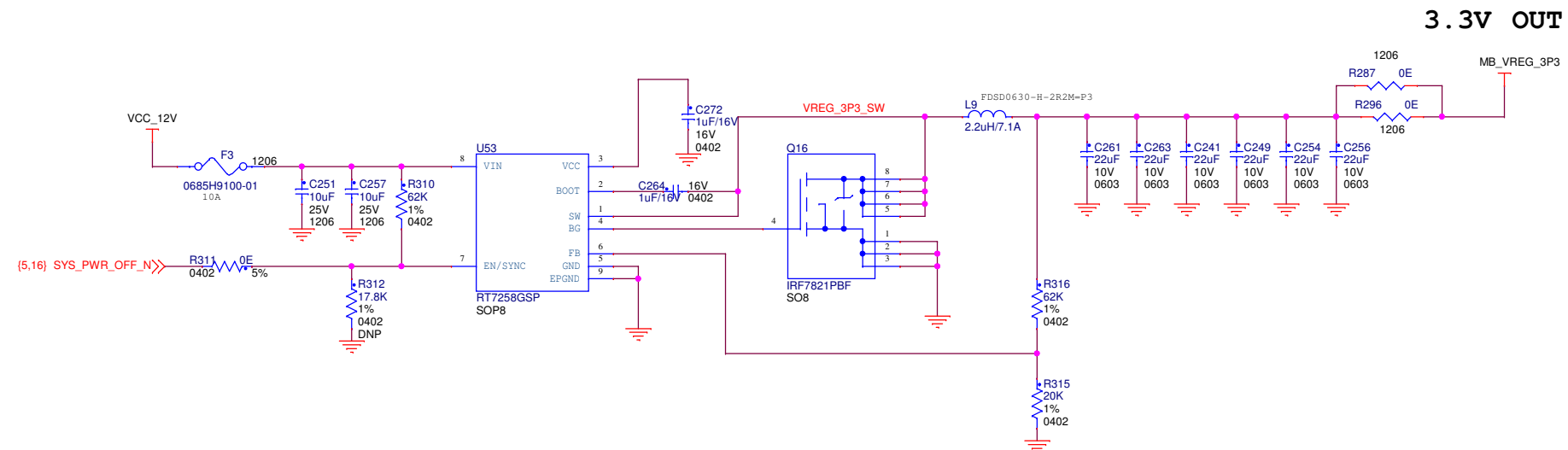
Entropic Manikin LLC,
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TITLE Block Diagram 2				
SIZE C	DRAWING NO AMMDK-0A1			REV 2.0
SCALE	NONE	RELEASE DATE	24/03/2018	SHEET 4 OF 23



TITLE			
Power Regulator 1			
SIZE	DRAWING NO		REV
C	AMMDK-0A1		2.0
SCALE	NONE	RELEASE DATE	SHEET
		24/03/2018	5 OF 23

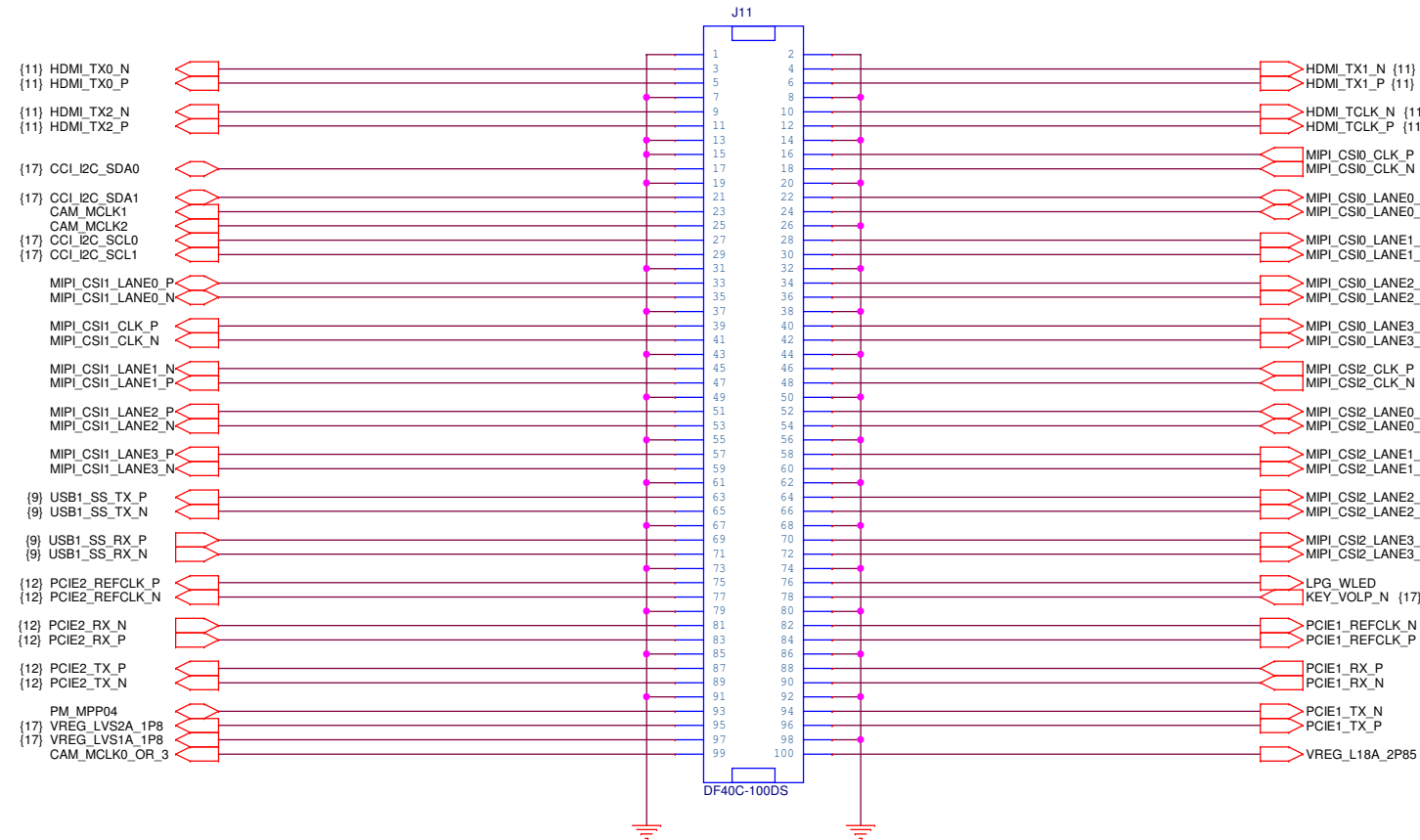
12V TO 3V3 REGULATOR



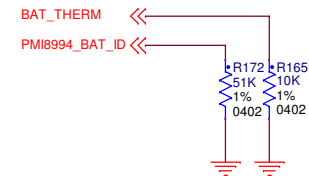
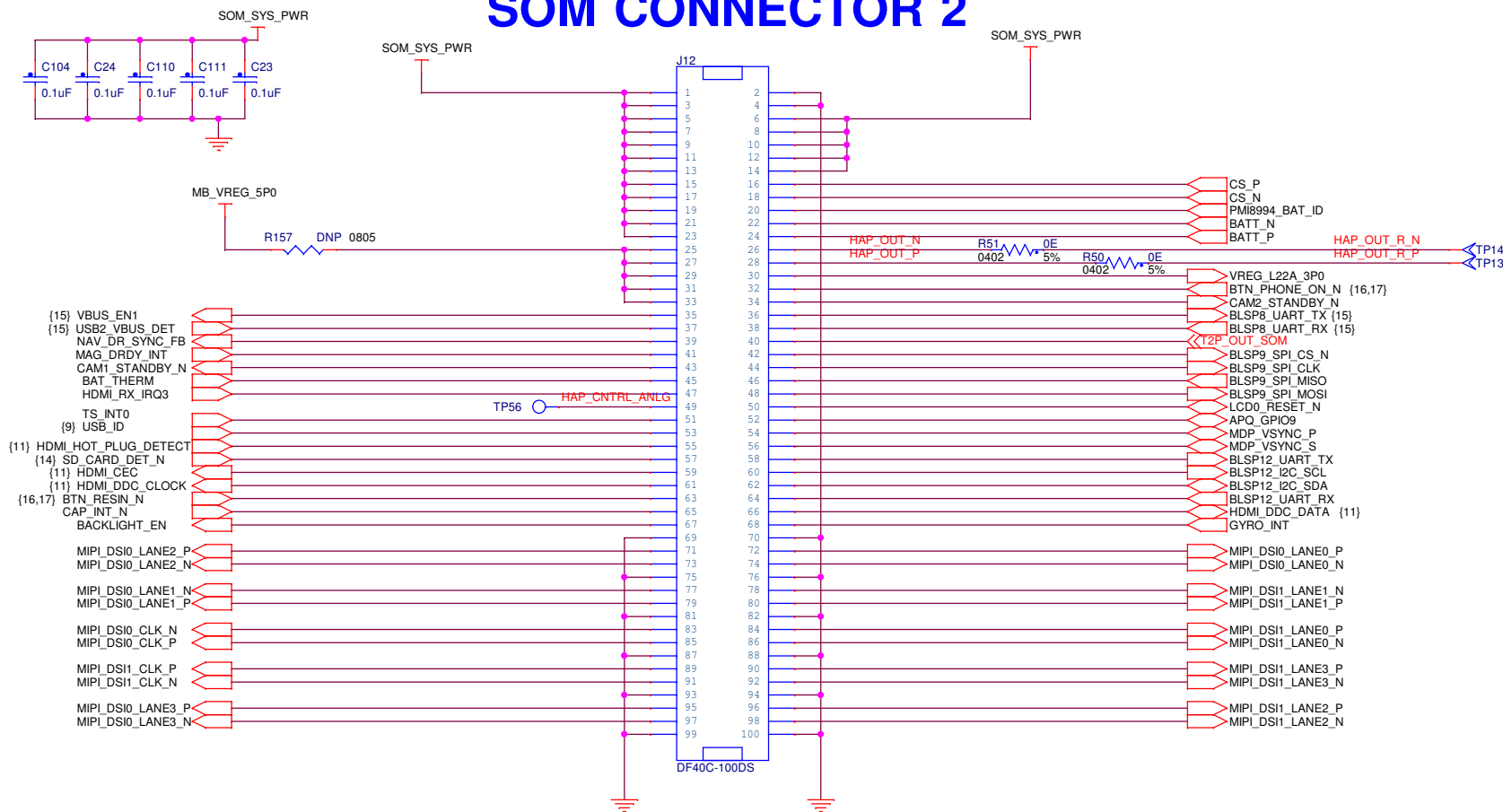
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Power Regulator 2			
SIZE C	DRAWING NO AMMDK-0A1		REV 2.0
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SOM CONNECTOR 1



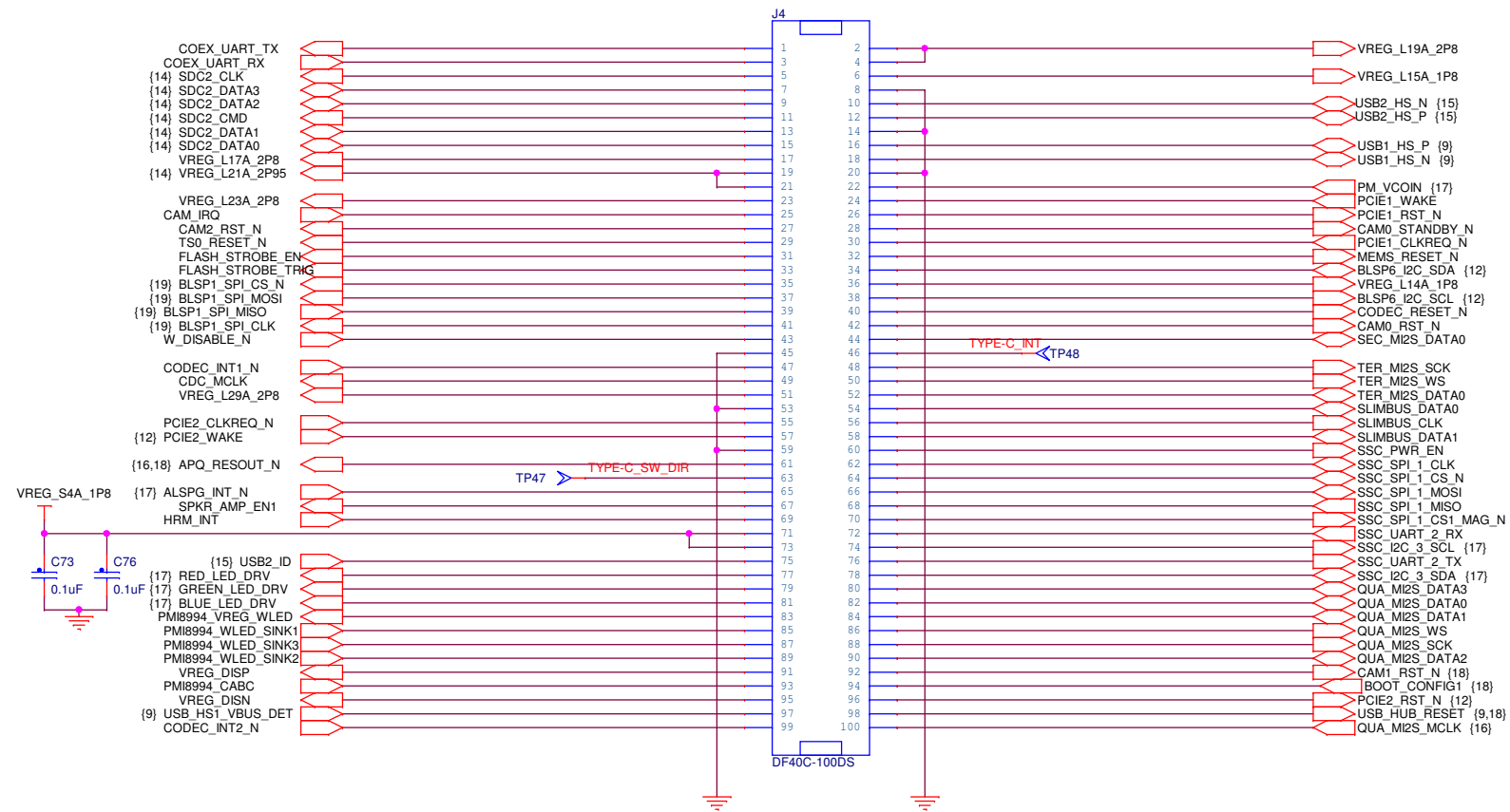
SOM CONNECTOR 2



TITLE			
SOM B2B-1			
SIZE C	DRAWING NO AMMDK-0A1		REV 2.0
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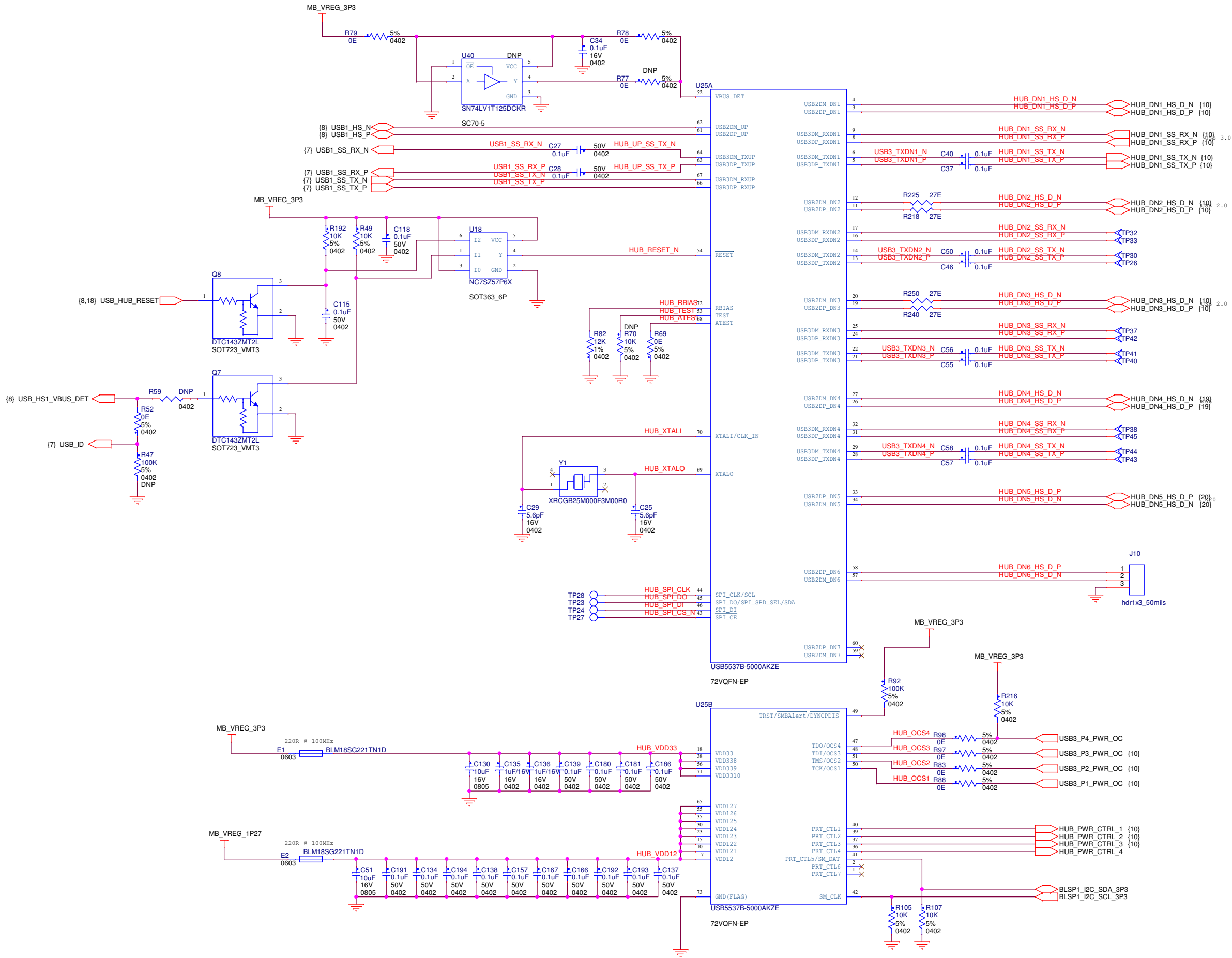
SOM CONNECTOR 3



TITLE			
SOM B2B-2			
SIZE C	DRAWING NO AMMDK-0A1		REV 2.0
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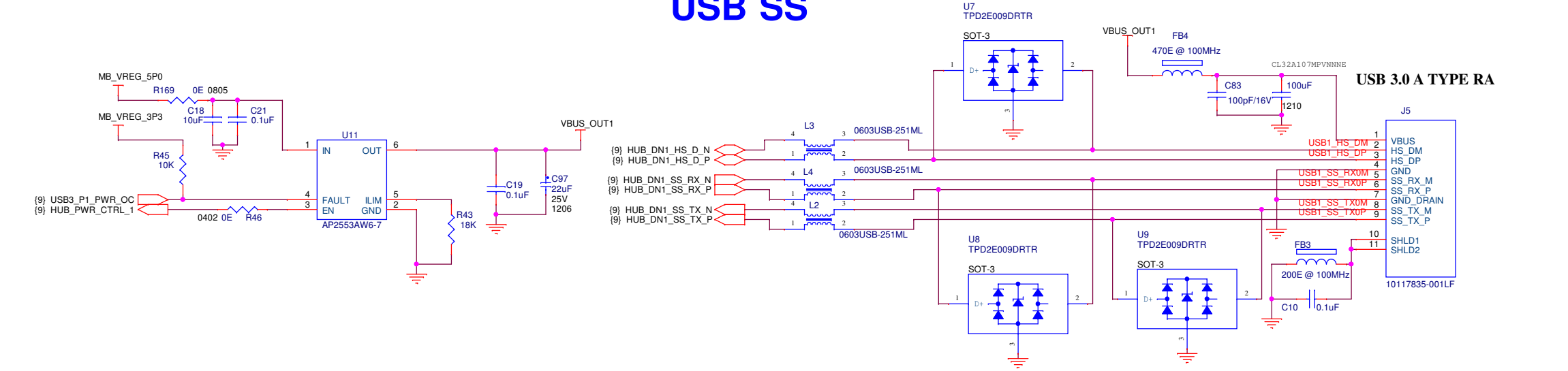
USB HUB 3.0



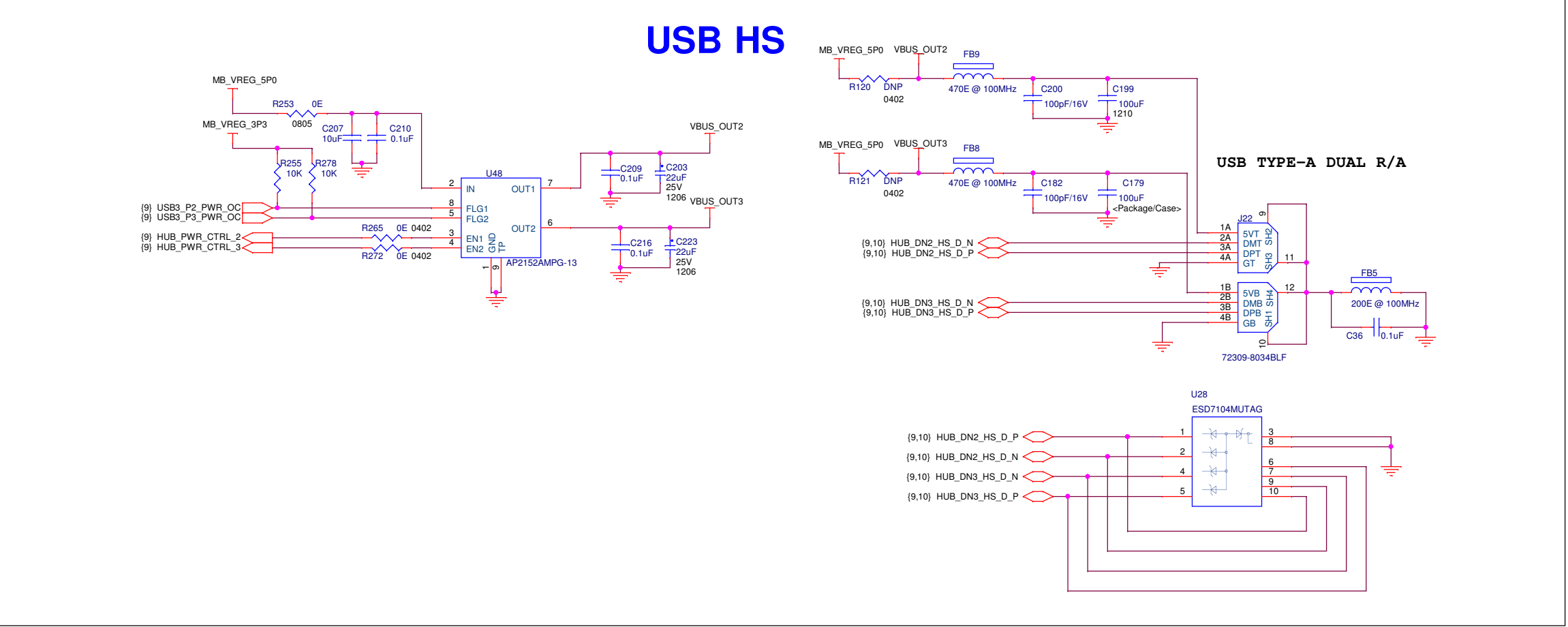
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USB HUB 3.0			
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USB SS



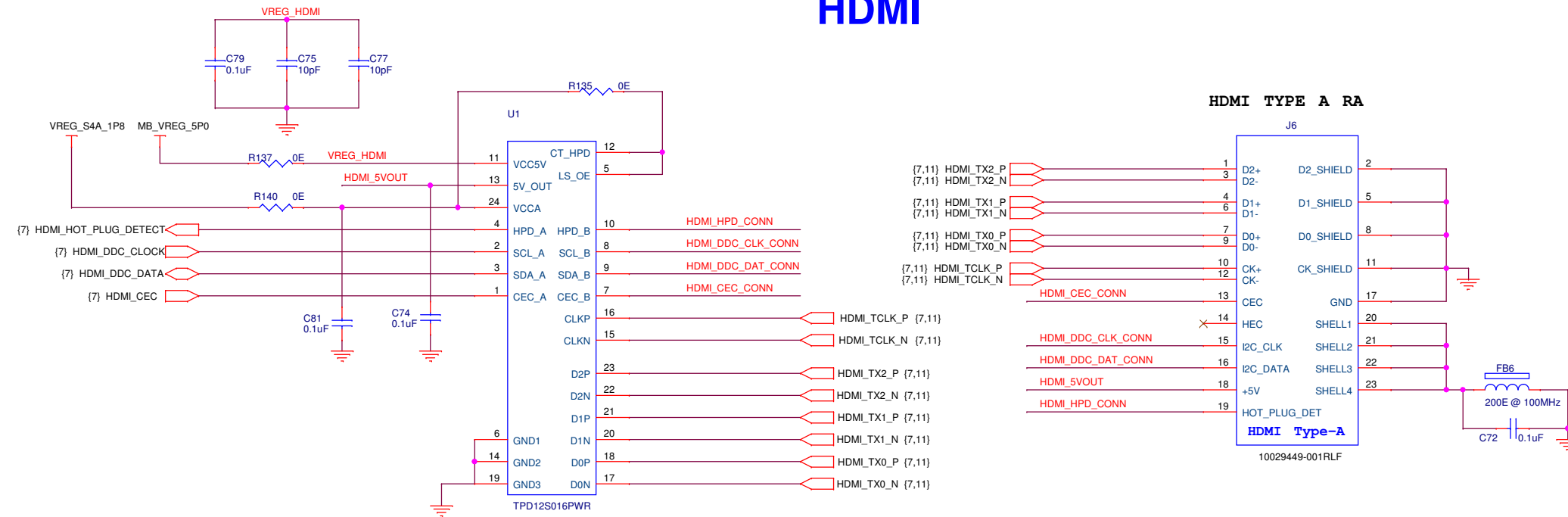
USB HS



TITLE			
USB SS and HS			
SIZE C	DRAWING NO AMMDK-0A1		REV 2.0
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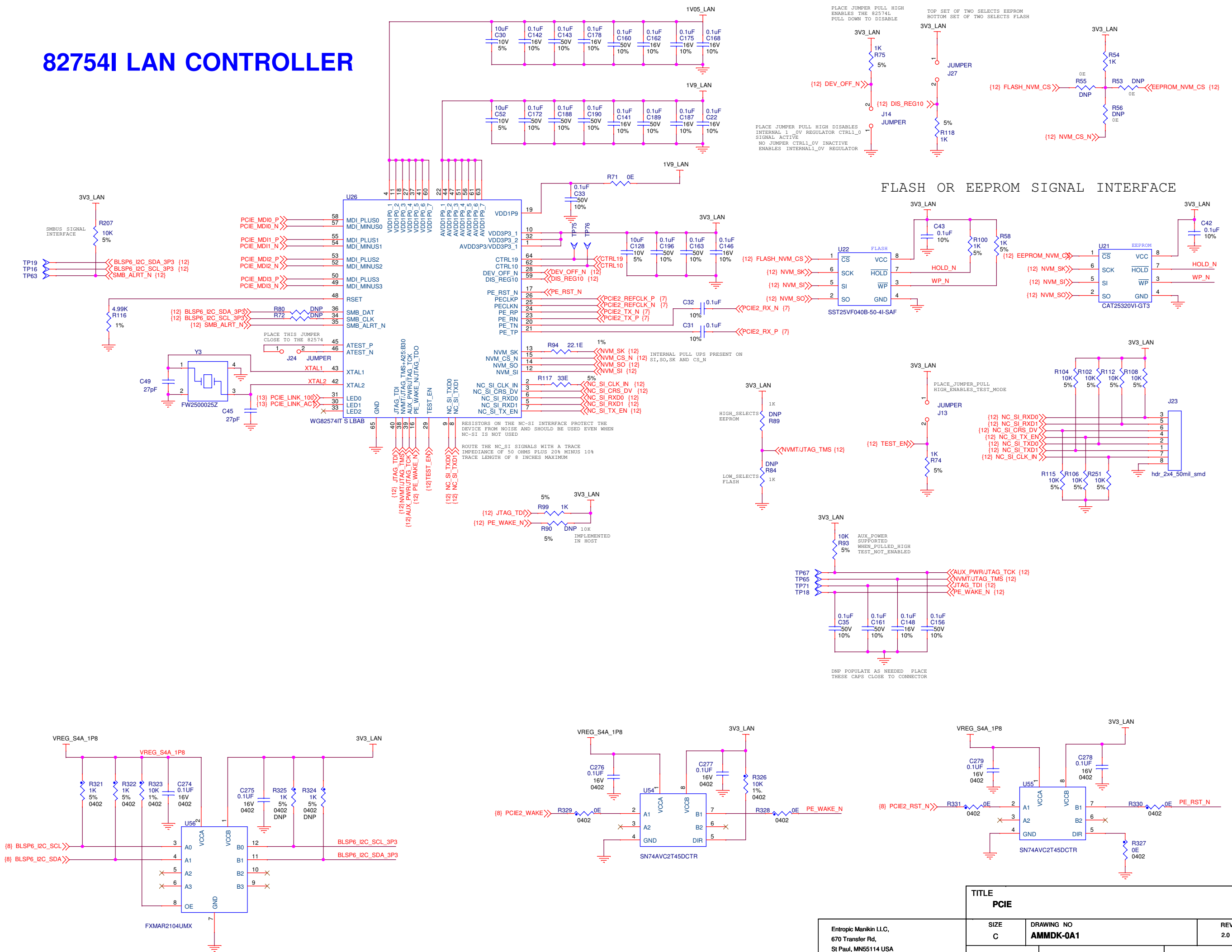
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HDMI



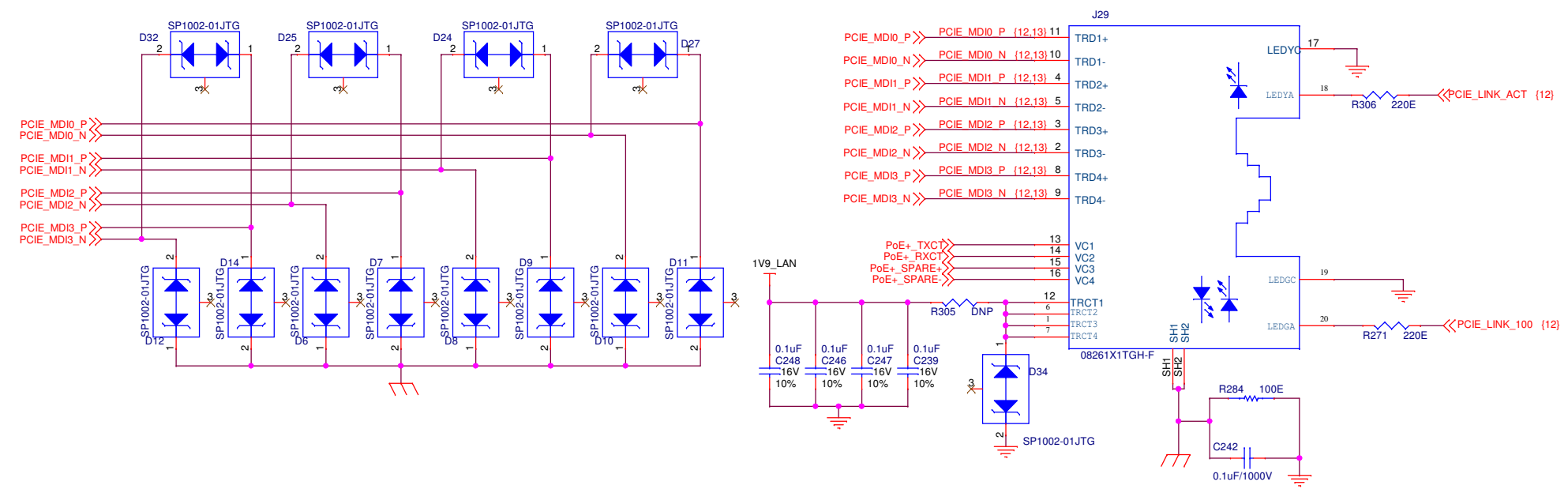
Entropic Manikin LLC, 670 Transfer Rd, St Paul, MN55114 USA	TITLE HDMI				
	SIZE C	DRAWING NO AMMDK-0A1			REV 2.0
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82754I LAN CONTROLLER

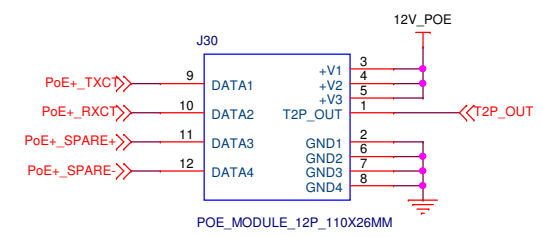


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PCIE					
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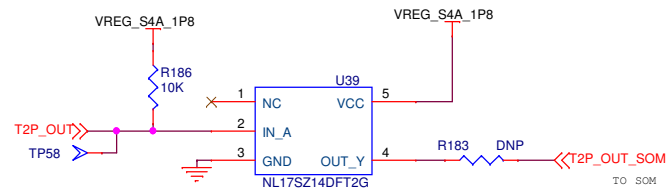
PHY INTERFACE



POE MODULE



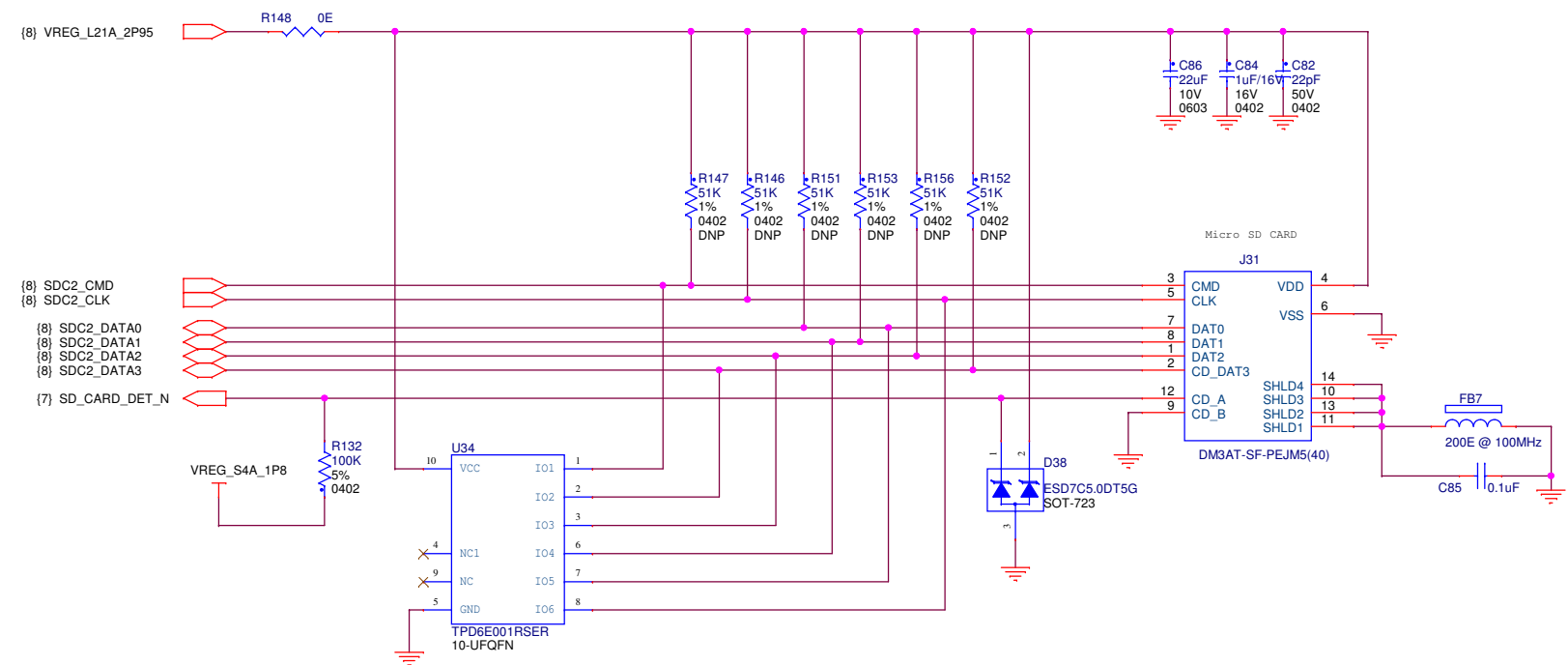
LOGIC INVERTER



TITLE			
ETHERNET			
SIZE	DRAWING NO		REV
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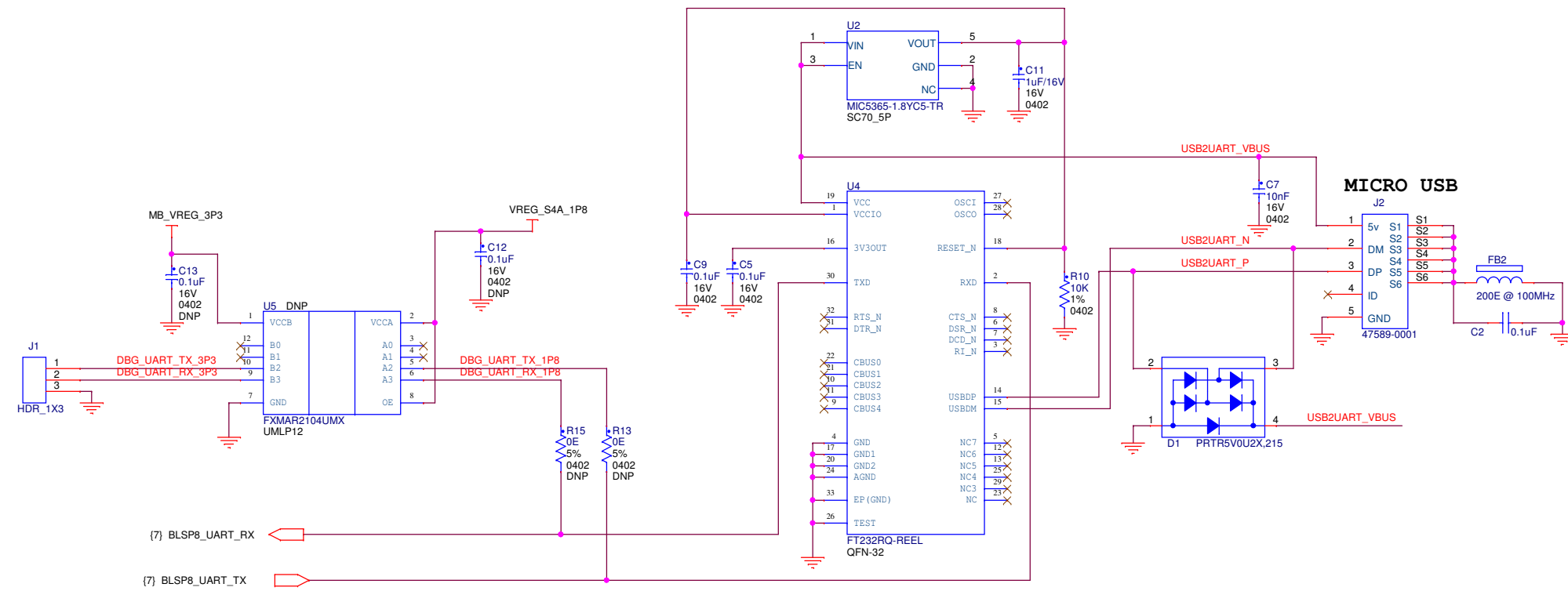
Micro SD CARD



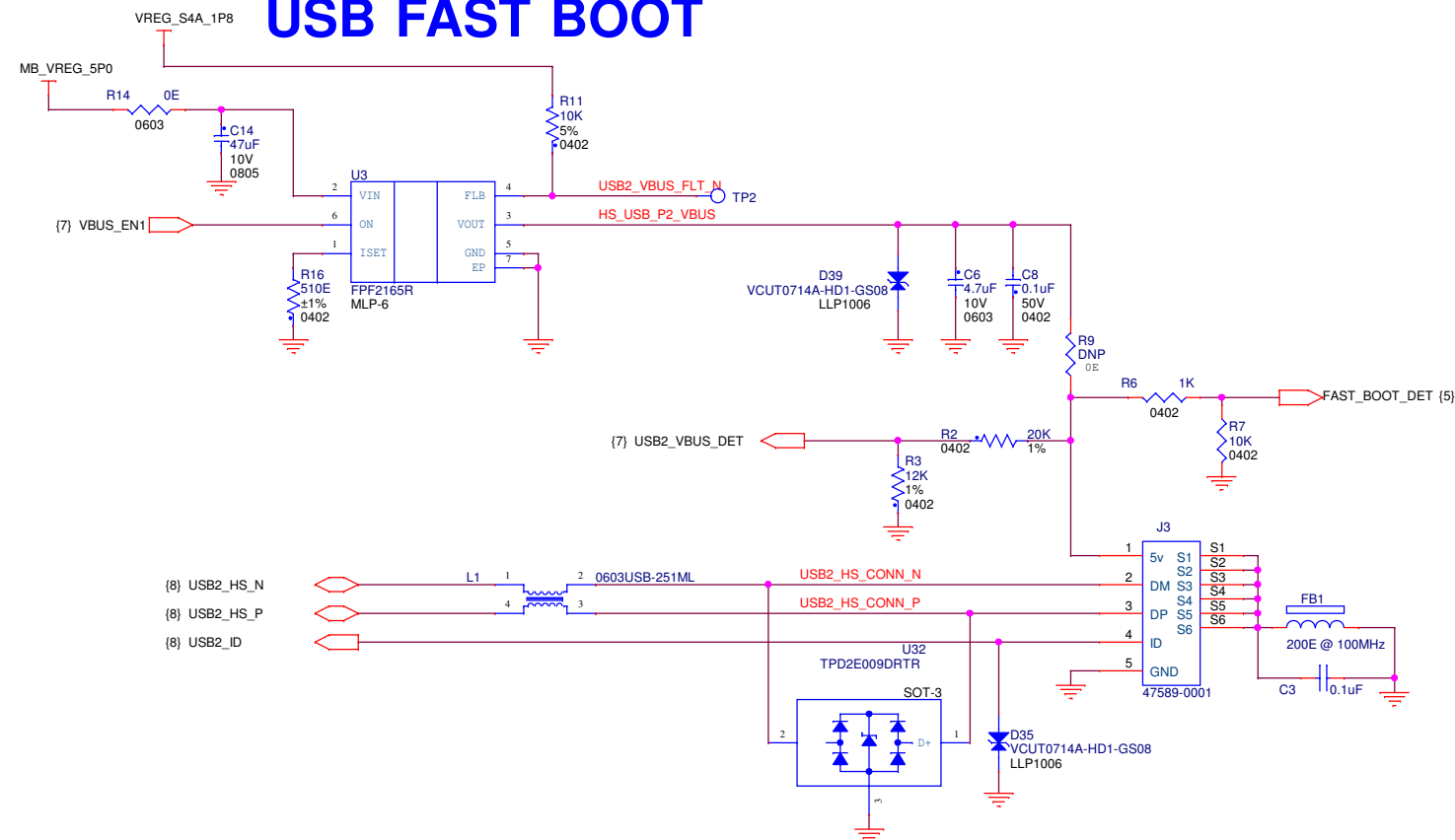
TITLE				
Micro Sd Card				
SIZE C	DRAWING NO AMMDK-0A1			REV 2.0
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DEBUG SERIAL

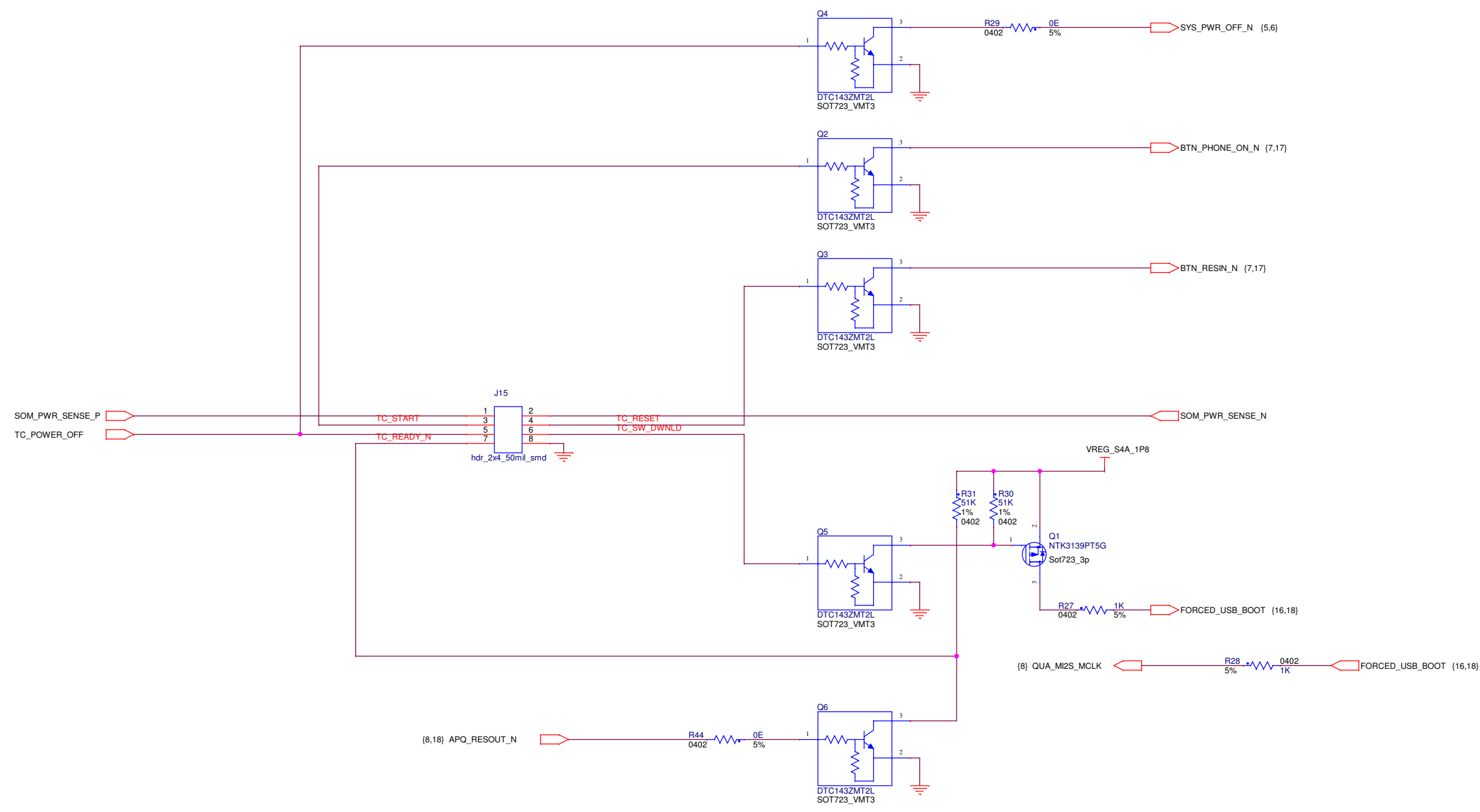


USB FAST BOOT



TITLE Debug Serial and Fast Boot			
SIZE C	DRAWING NO AMMDK-0A1		REV 2.0
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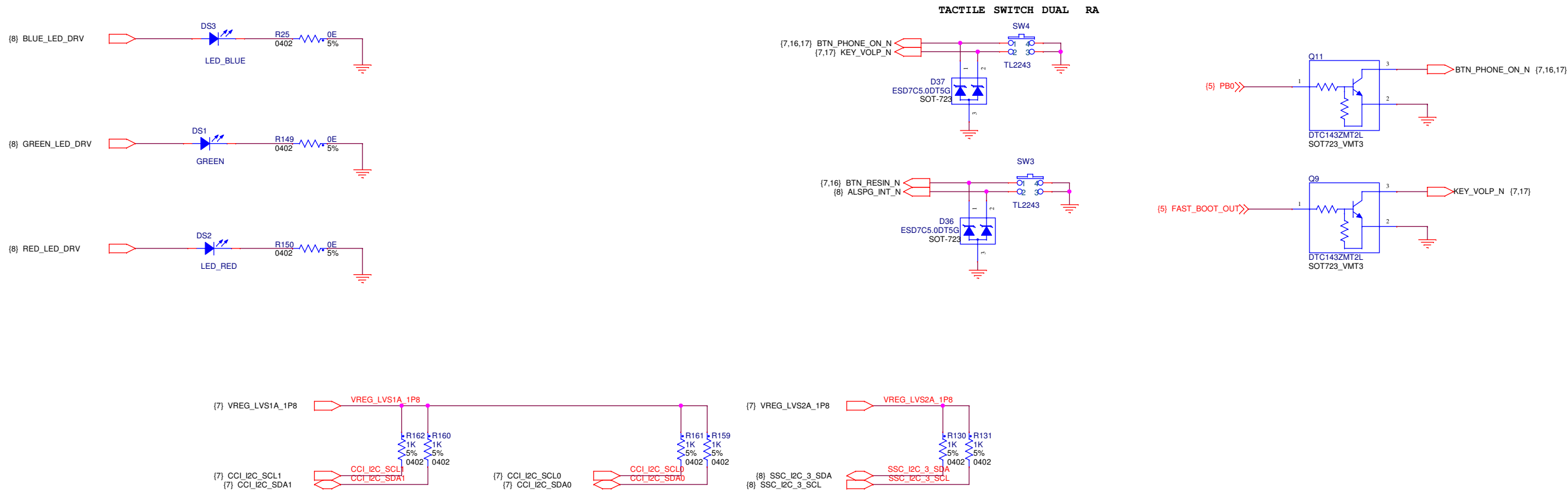
AUTOMATION CONN



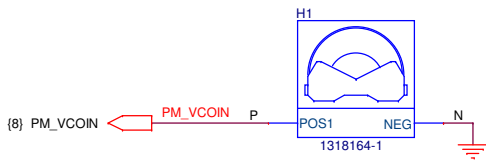
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Automation Connector			
SIZE C	DRAWING NO AMMDK-0A1		REV 2.0
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LEDS AND SWITCHES



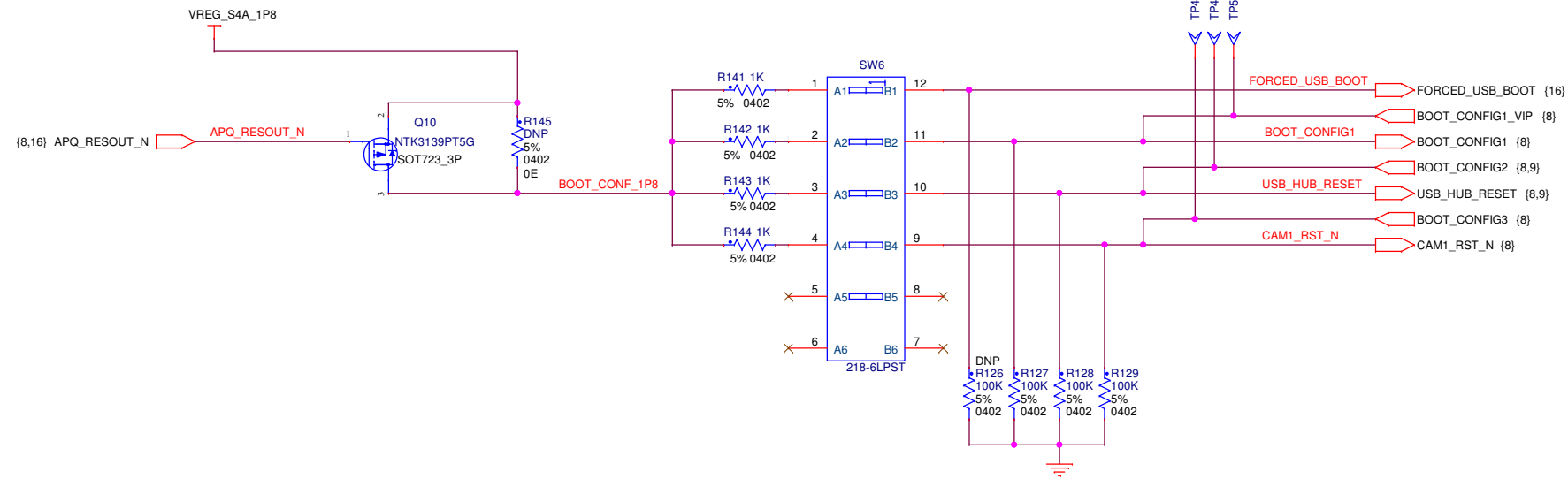
COIN CELL



TITLE				
LEDS and Switches				
SIZE C	DRAWING NO AMMDK-0A1			REV 2.0
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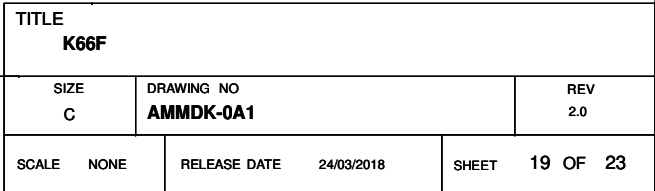
SOM BOOT CONFIG



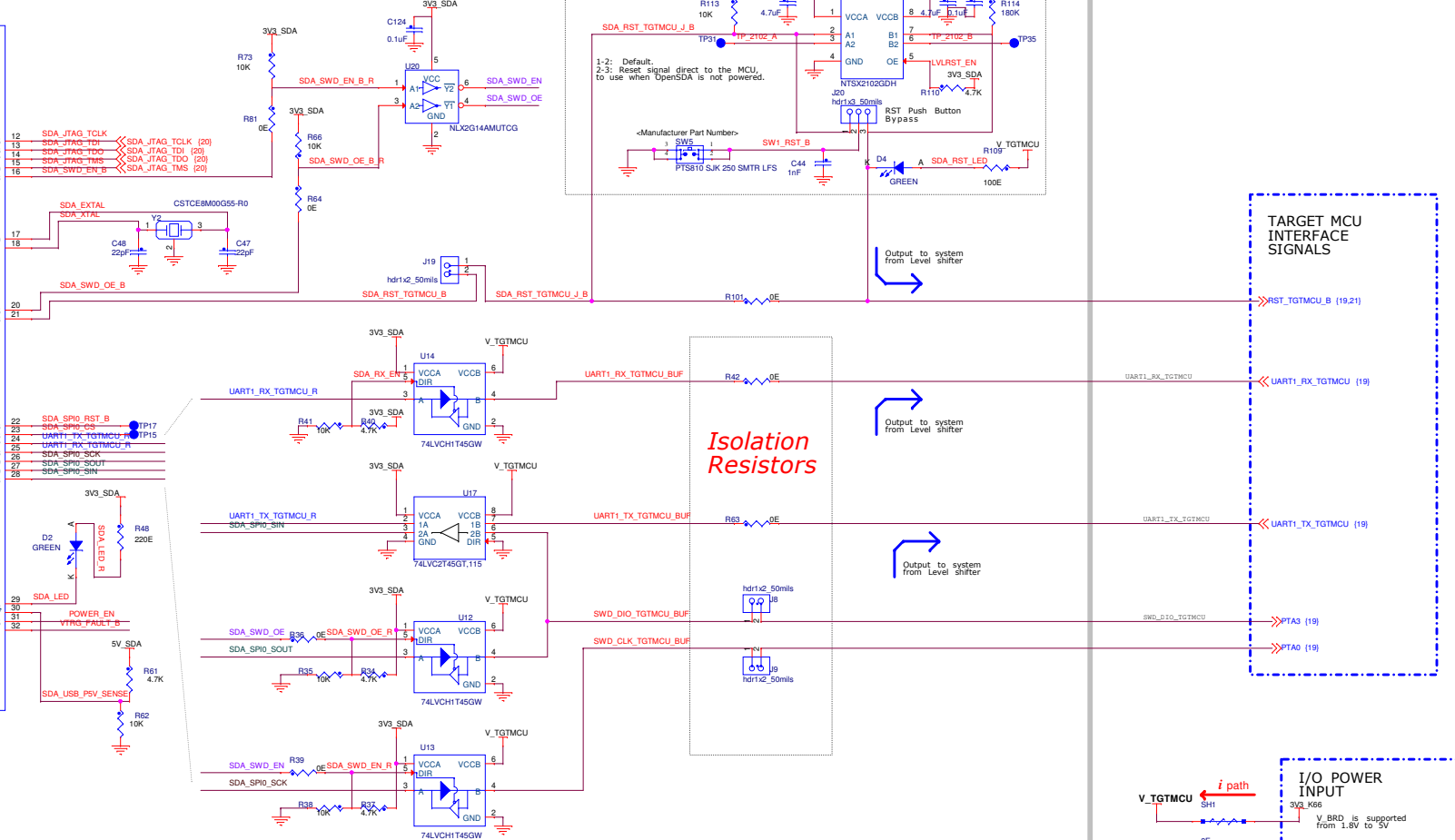
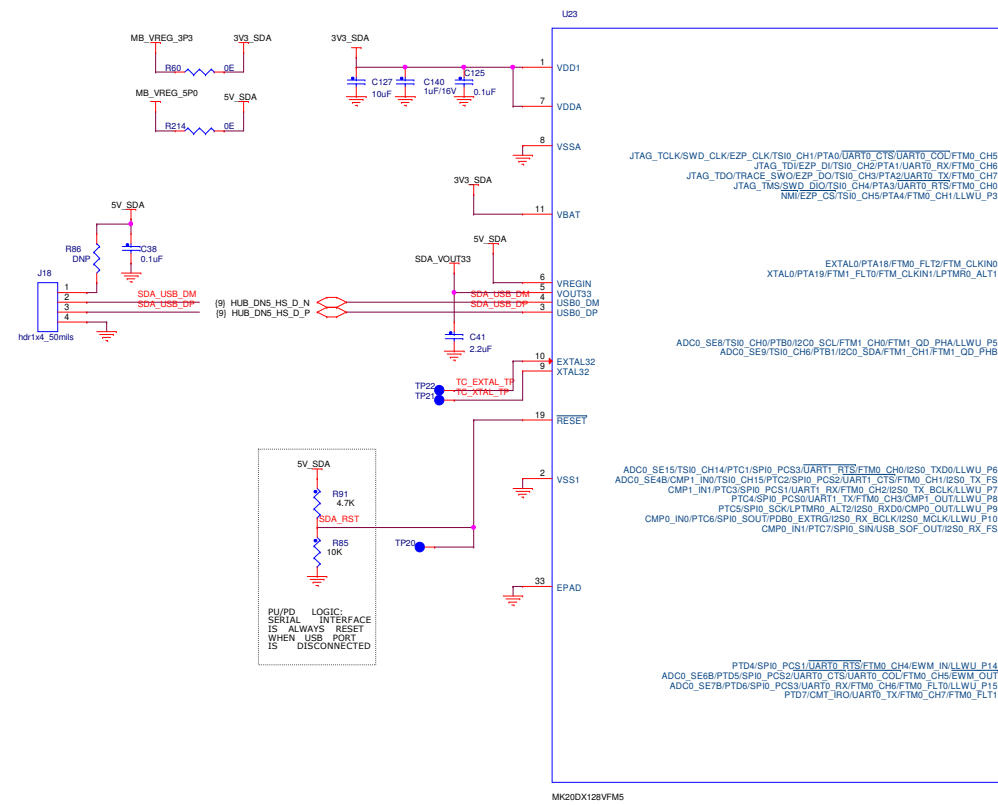
TITLE			
Som Boot Configuration			
SIZE C	DRAWING NO AMMDK-0A1		REV 2.0
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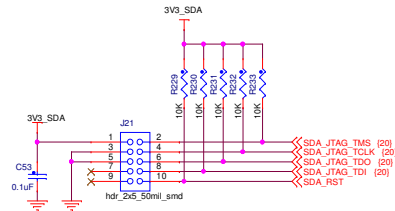
K66F



OpenSDA Interface



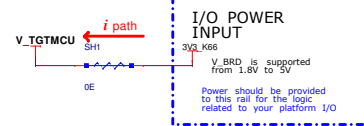
OpenSDA INTERFACE JTAG CONNECTOR



SDA_SPI0_RST_B R76 OE SDA_SWD_EN
SDA_SPI0_CS R65 OE SDA_SWD_OE
{For enablement purposes only}

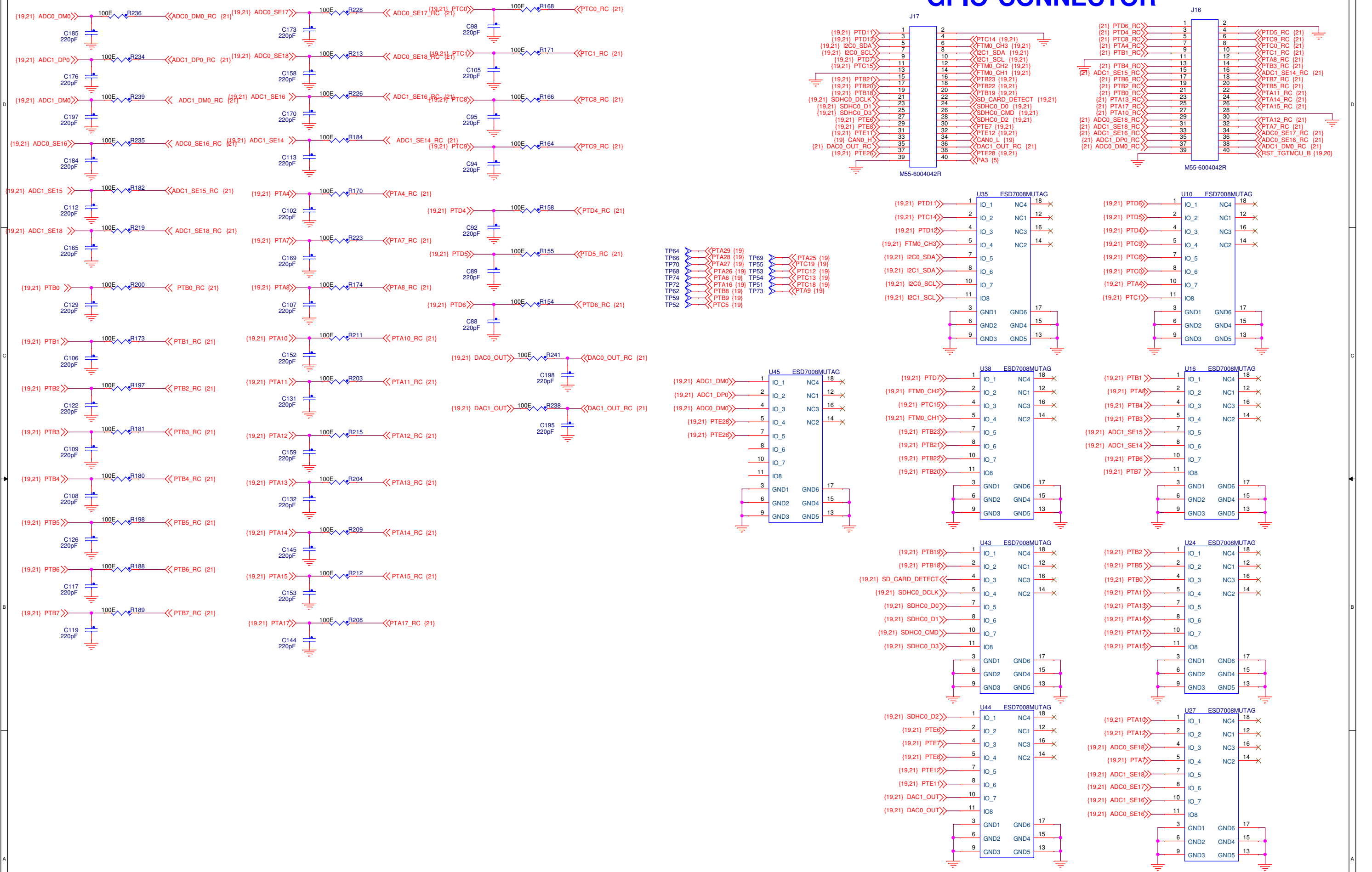
Isolation and level shift stage
(for 1.8 to 5V compatibility)

Buffer logic (see pin 10)
PUSH_BUTTON is not used when
PUSH_BUTTON is UNPOWERED



TITLE				
Open SDA Interface				
SIZE D		DRAWING NO AMMDK-0A1		REV 2.0
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GPIO CONNECTOR



TITLE			
GPIOs			
SIZE C	DRAWING NO AMMDK-0A1		REV 2.0
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REVISION HISTORY

[illegible]

Entropic Manikin LLC, 670 Transfer Rd, St Paul, MN55114 USA	TITLE Revision History			
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	SCALE NONE	RELEASE DATE 24/03/2018	SHEET 22 OF 23	

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