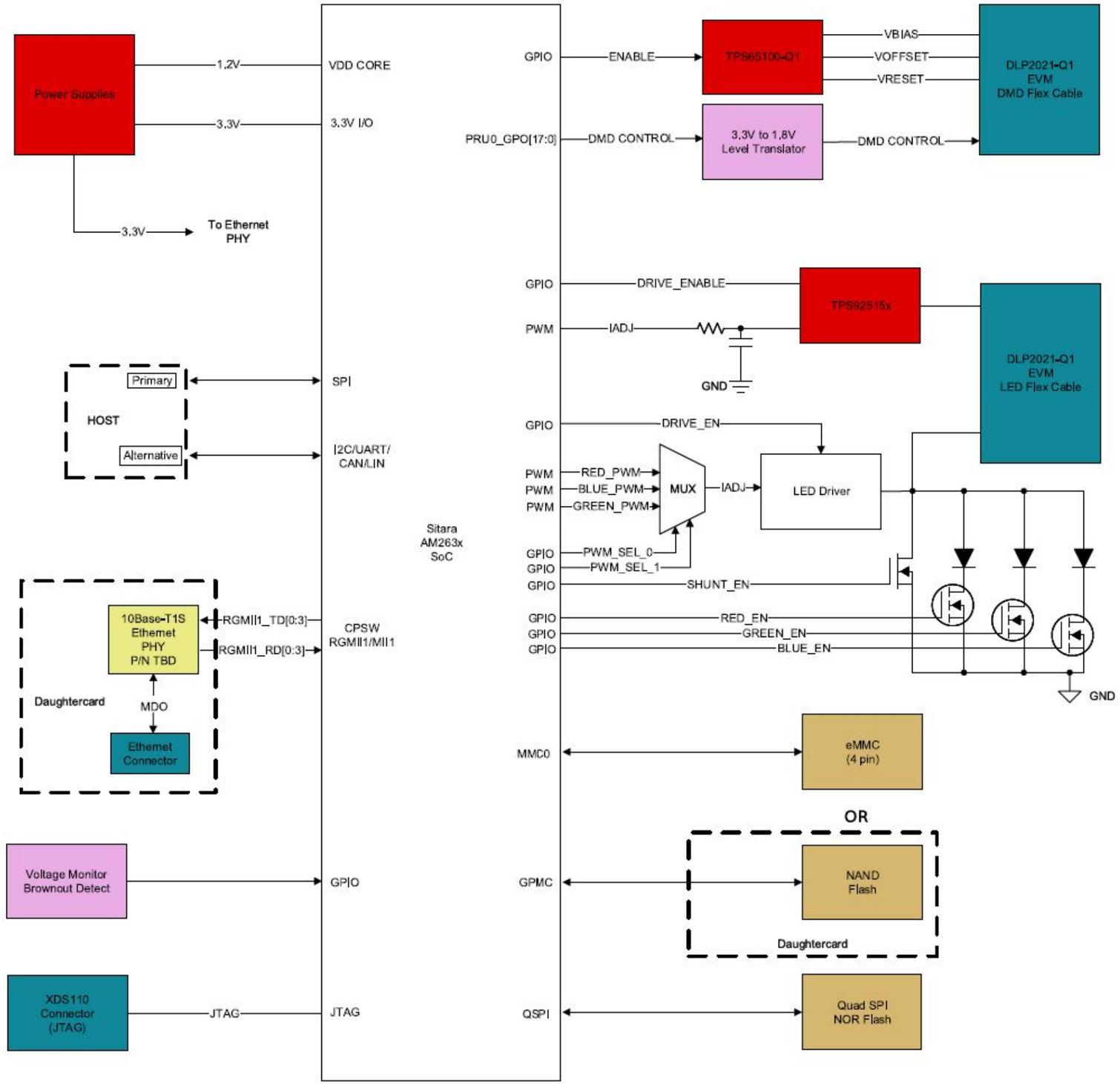

Orderable: DLP2021AM263Q1EVM		Designed for: Public Release	Mod. Date: 12/13/2023
TID #: N/A		Project Title: DLP2021AM263Q1EVM	
Number: DLP096	Rev: A	Sheet Title: Block Diagram	
SVN Rev: Not in version control		Assembly Variant: 001	Sheet: 1 of 10
Drawn By: A. Whitehead		File: DLP096A_Block_Diagram.SchDoc	Size: B
Engineer: A. Whitehead		Contact: http://www.ti.com/support	

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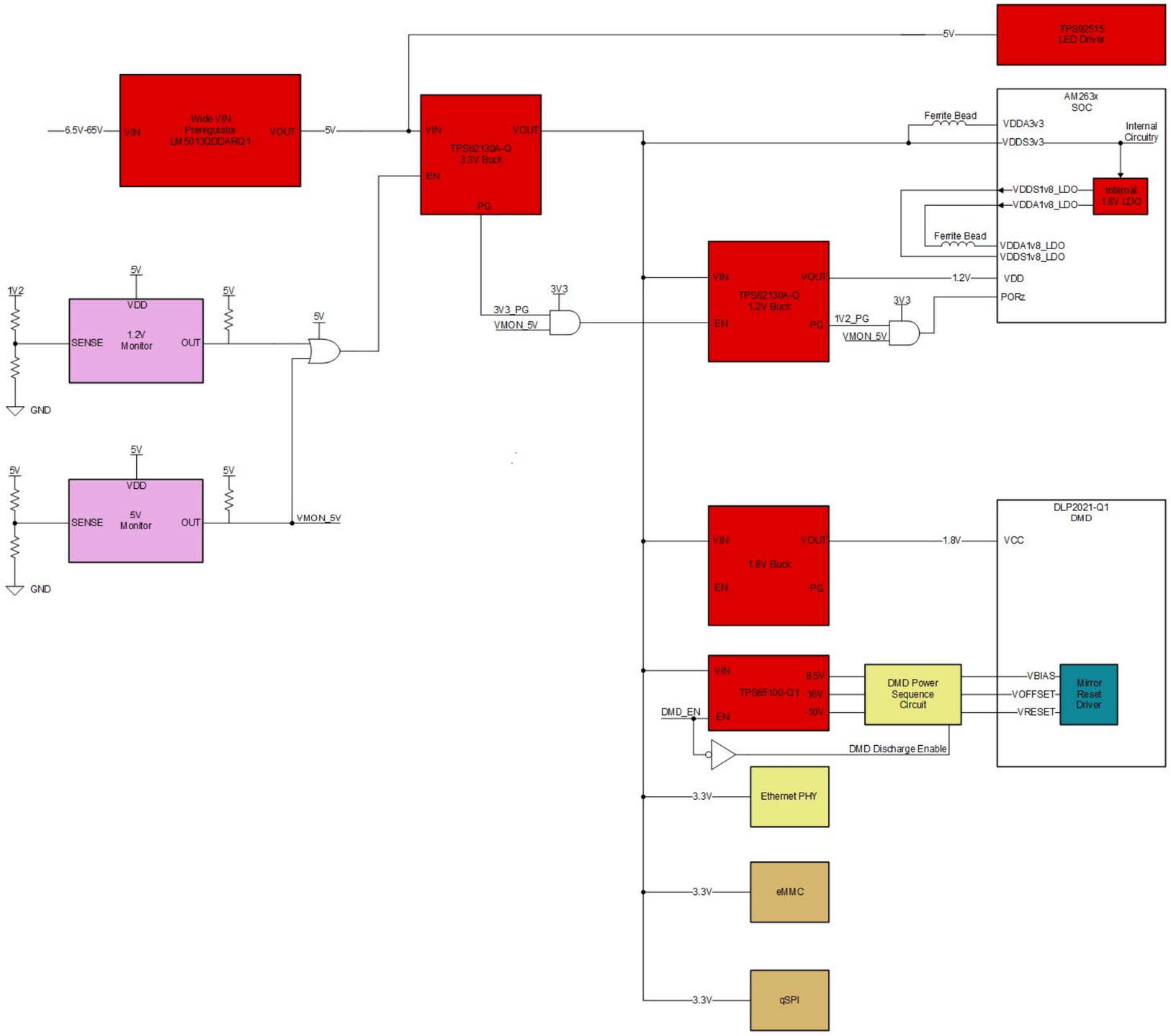

Orderable: DLP2021AM263Q1EVM	Designed for: Public Release	Mod. Date: 9/11/2023
TID #: N/A	Project Title: DLP2021AM263Q1EVM	
Number: DLP096 Rev: A	Sheet Title: Power Tree	
SVN Rev: Not in version control	Assembly Variant: 001	Sheet: 2 of 10
Drawn By: A. Whitehead	File: DLP096A_Power_Tree.SchDoc	Size: B
Engineer: A. Whitehead	Contact: http://www.ti.com/support	

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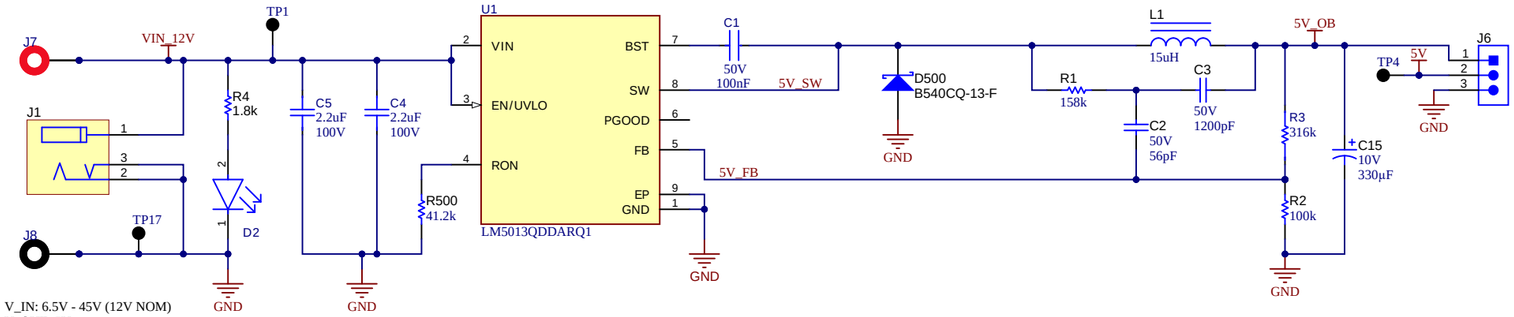
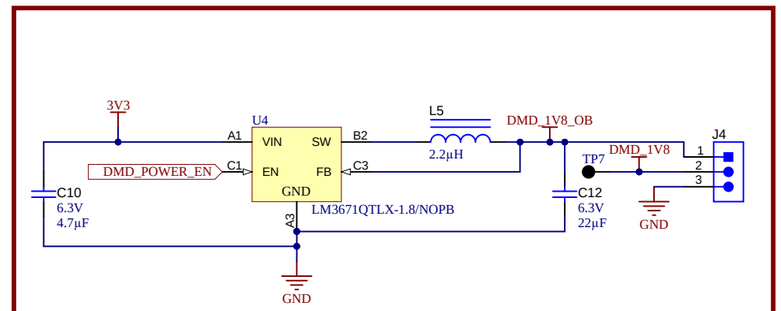
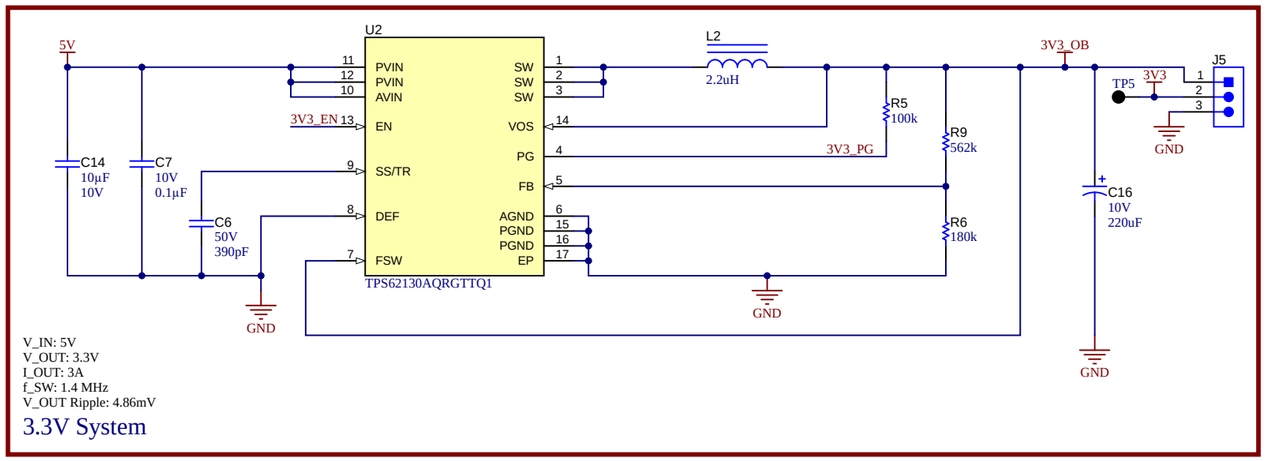
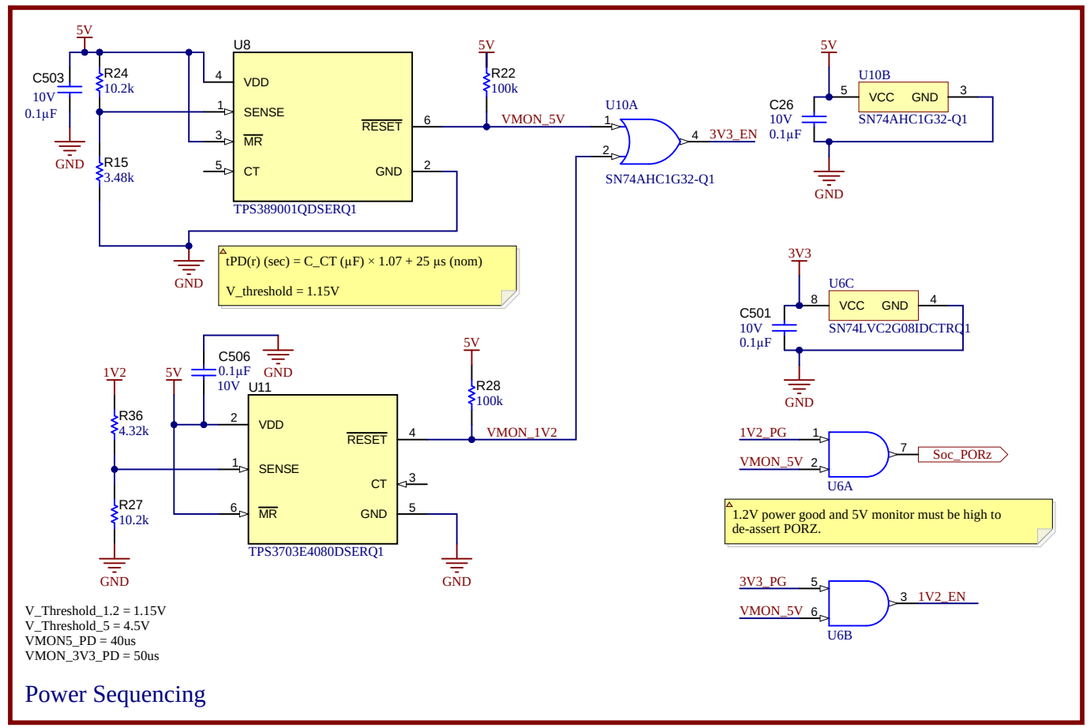
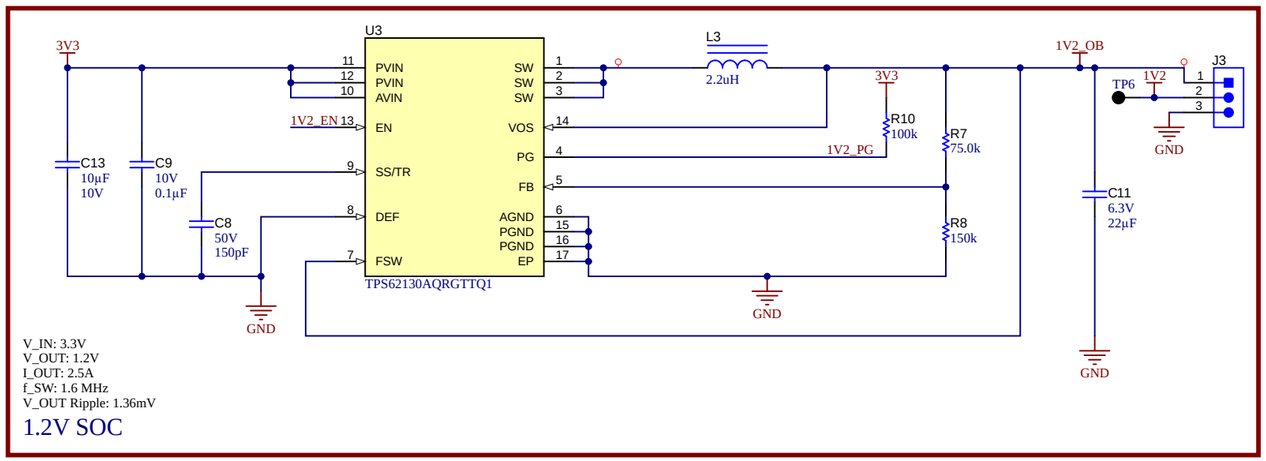
http://www.ti.com











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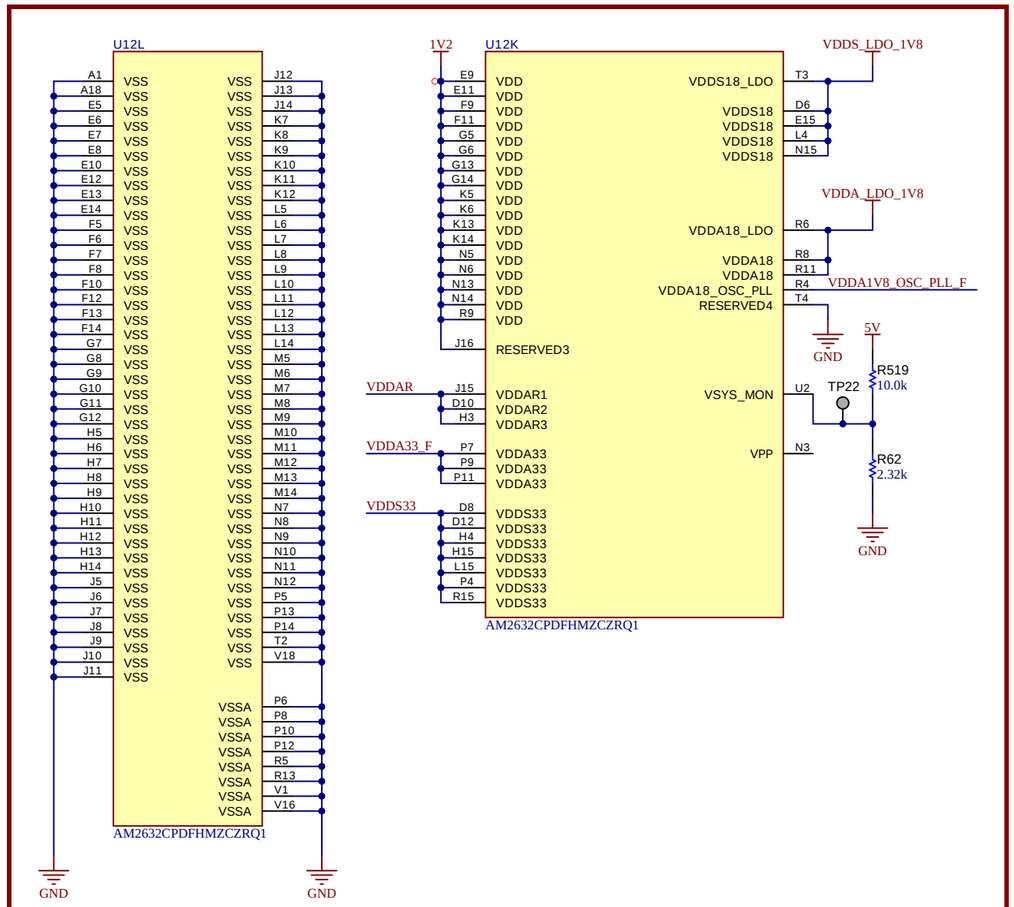
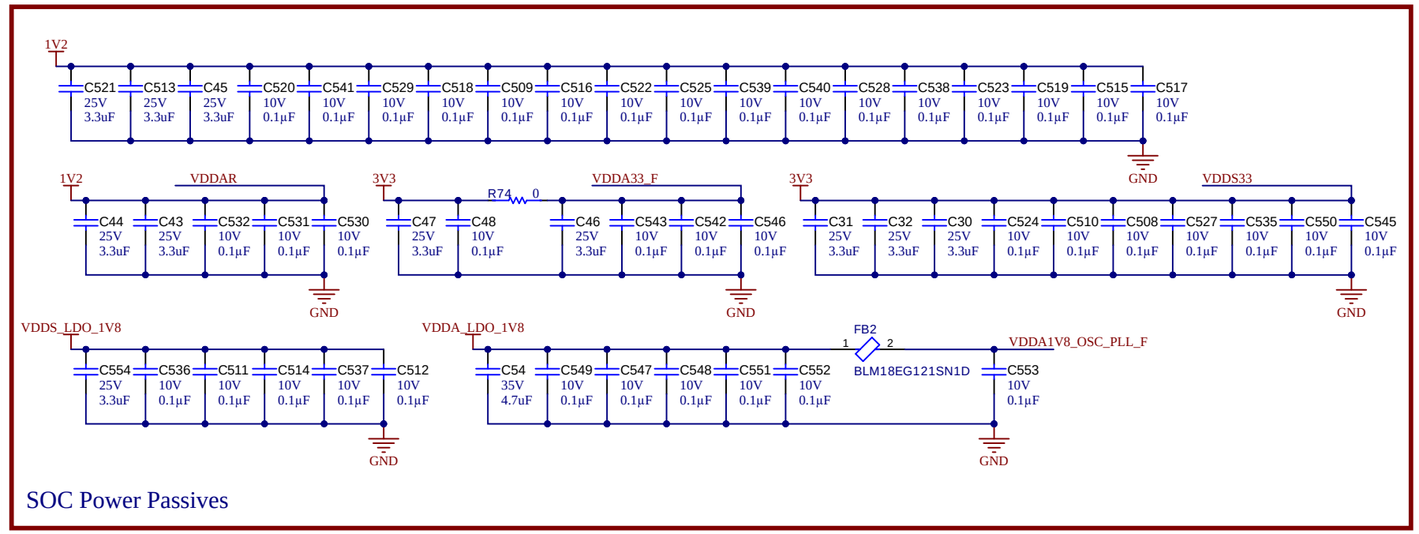
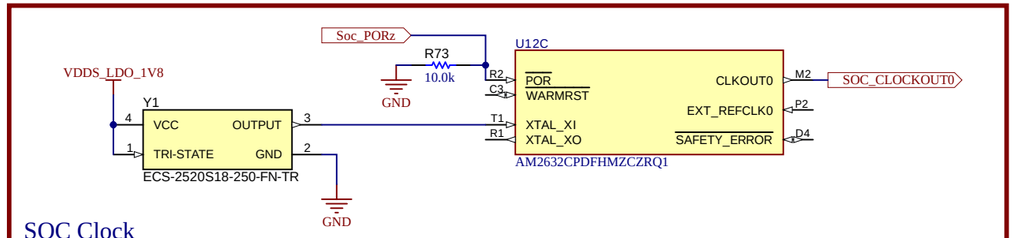
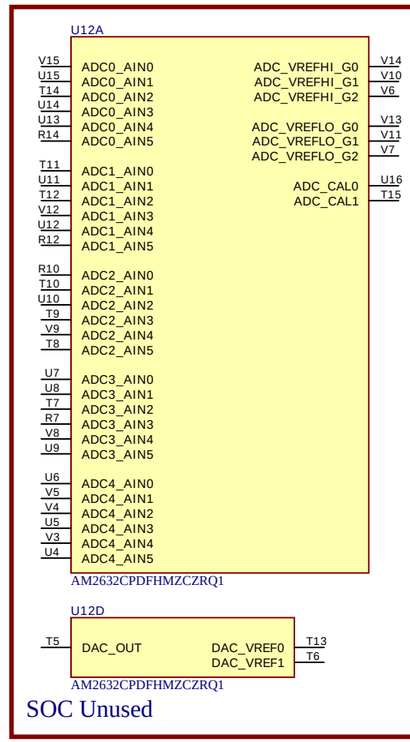
TID #: N/A		Project Title: DLP2021AM263Q1EVM	
Number: DLP096	Rev: A	Sheet Title: System_Power	
SVN Rev: Not in version control		Assembly Variant: 001	Sheet: 3 of 10
Drawn By: A. Whitehead		File: DLP096A_System_Power.SchDoc	Size: B
Engineer: A. Whitehead		Contact: http://www.ti.com/support	http://www.ti.com









Orderable: DLP2021AM263Q1EVM		Designed for: Public Release	Mod. Date: 11/15/2023
TID #: N/A		Project Title: DLP2021AM263Q1EVM	
Number: DLP096	Rev: A	Sheet Title: SoC_Power & Clock	
SVN Rev: Not in version control		Assembly Variant: 001	Sheet: 4 of 10
Drawn By: A. Whitehead		File: DLP096A_SoC_Power_Clock.SchDoc	Size: B
Engineer: A. Whitehead		Contact: http://www.ti.com/support	

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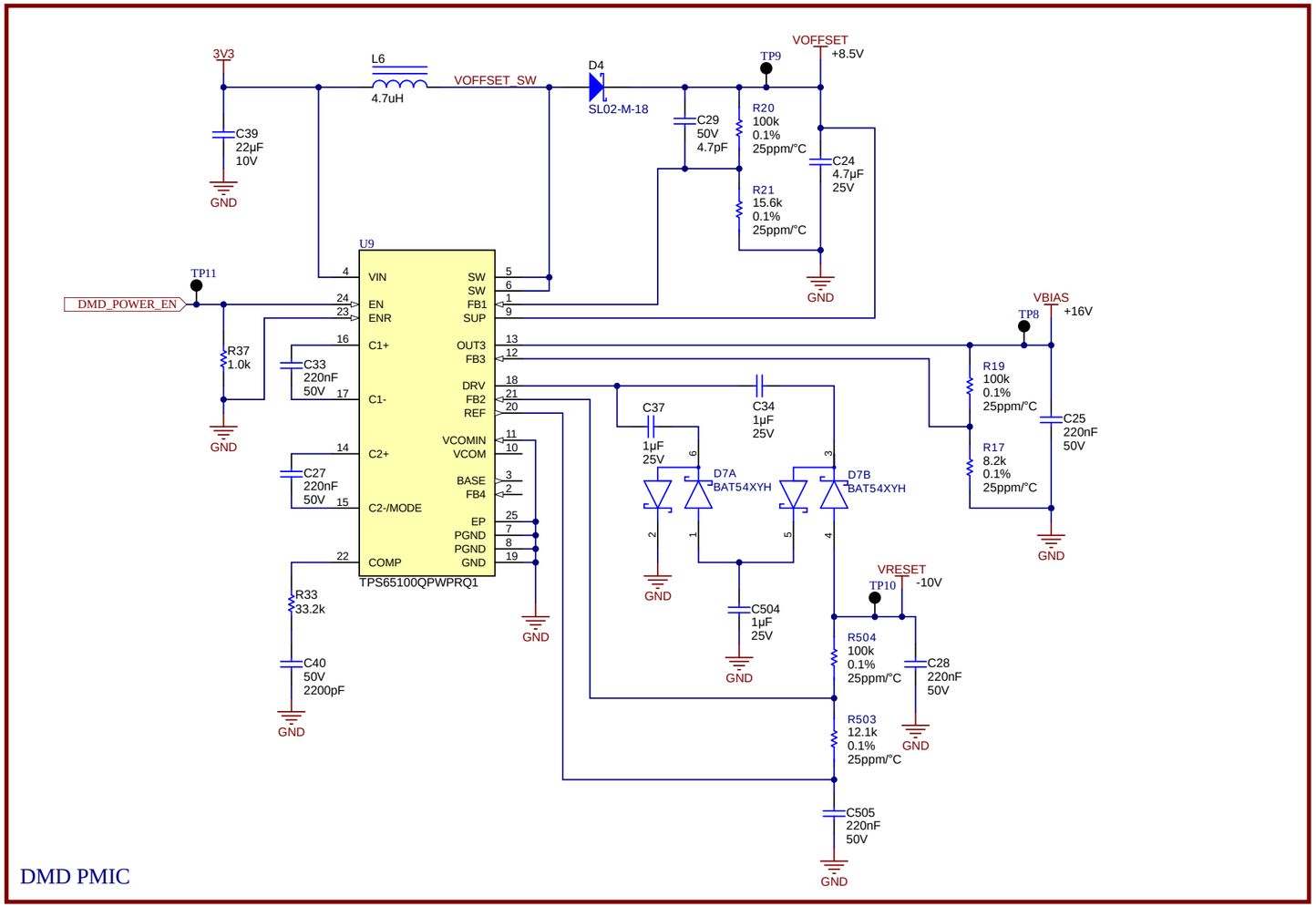
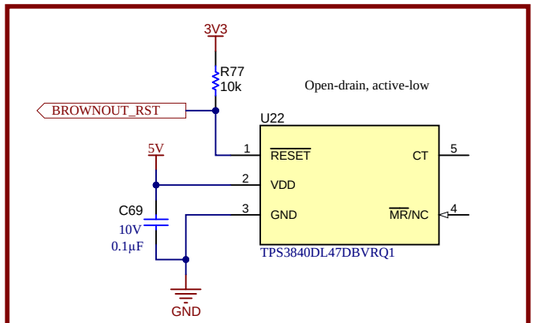
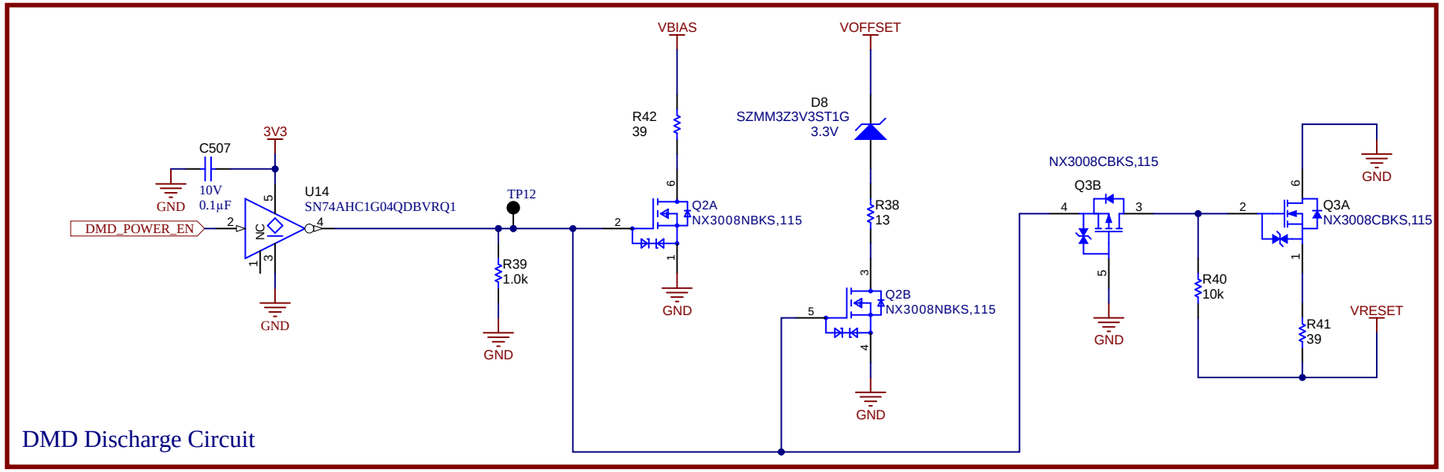


DMD PMIC



5V Supervisor for DMD Park



DMD Discharge Circuit

Orderable: DLP2021AM263Q1EVM		Designed for: Public Release	Mod. Date: 9/11/2023
TID #: N/A		Project Title: DLP2021AM263Q1EVM	
Number: DLP096	Rev: A	Sheet Title: DMD Power	
SVN Rev: Not in version control		Assembly Variant: 001	Sheet: 5 of 10
Drawn By: A. Whitehead		File: DLP096A_DMD_Power.SchDoc	Size: B
Engineer: A. Whitehead		Contact: http://www.ti.com/support	

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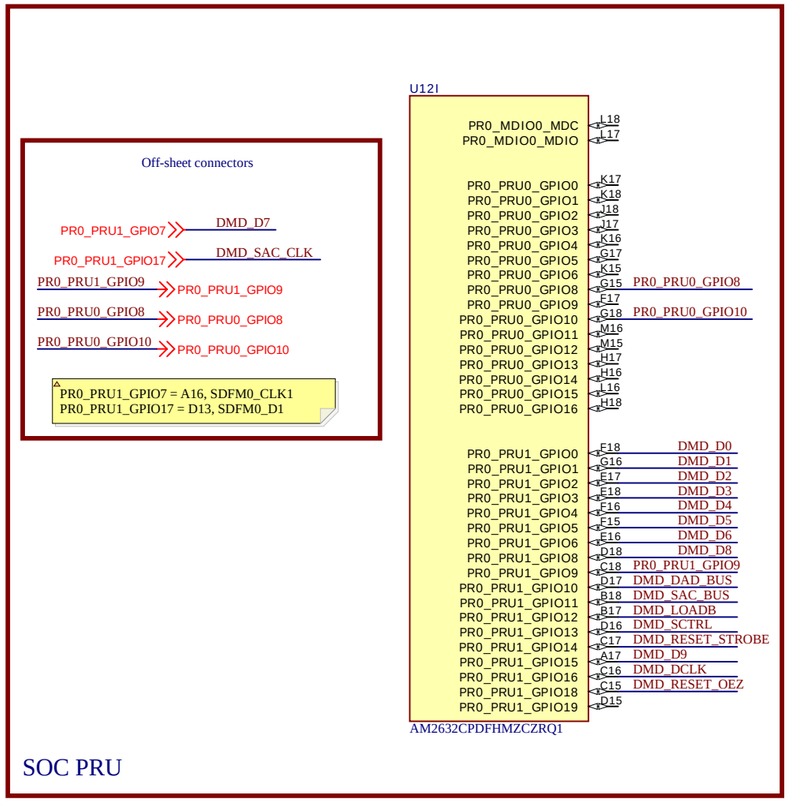
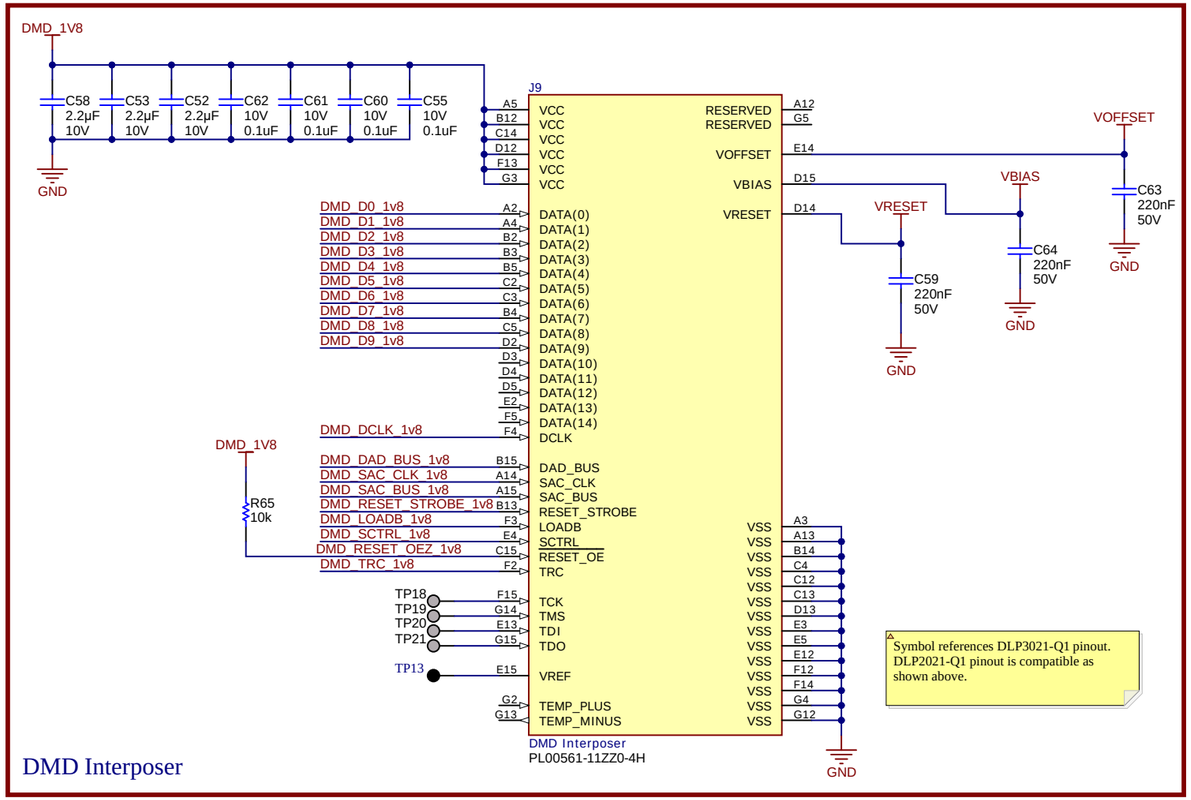
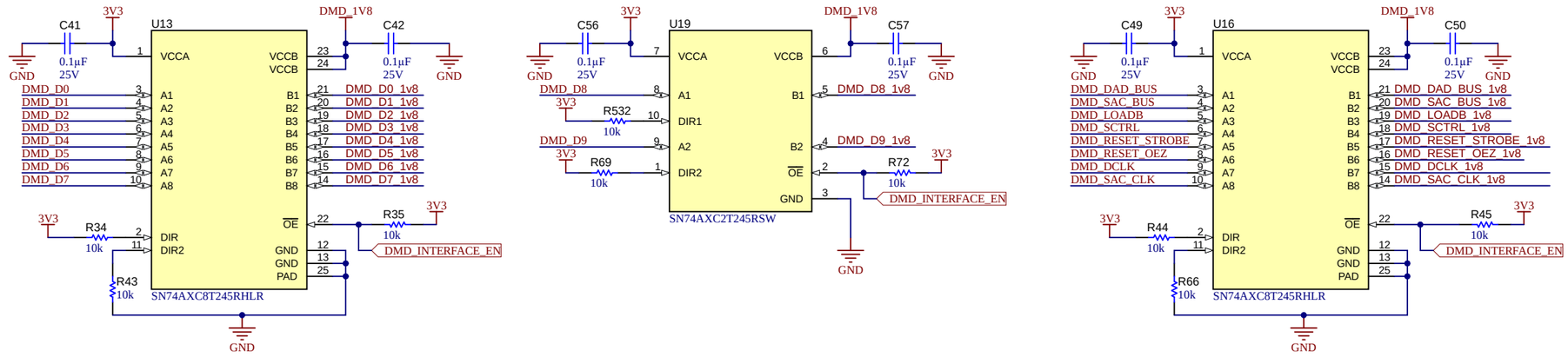


SOC PRU



DMD Interposer



PRU-to-DMD Level Shifters

Orderable: DLP2021AM263Q1EVM		Designed for: Public Release	Mod. Date: 11/15/2023
TID #: N/A		Project Title: DLP2021AM263Q1EVM	
Number: DLP096	Rev: A	Sheet Title: DMD Interface	
SVN Rev: Not in version control		Assembly Variant: 001	Sheet: 6 of 10
Drawn By: A. Whitehead		File: DLP096A_DMD_Interface.SchDoc	Size: B
Engineer: A. Whitehead		Contact: http://www.ti.com/support	

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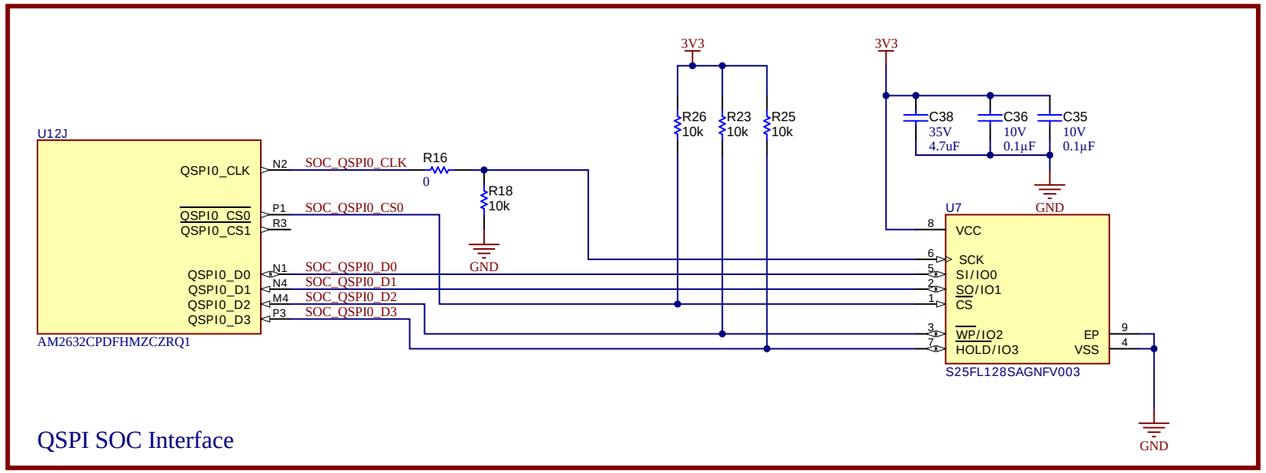

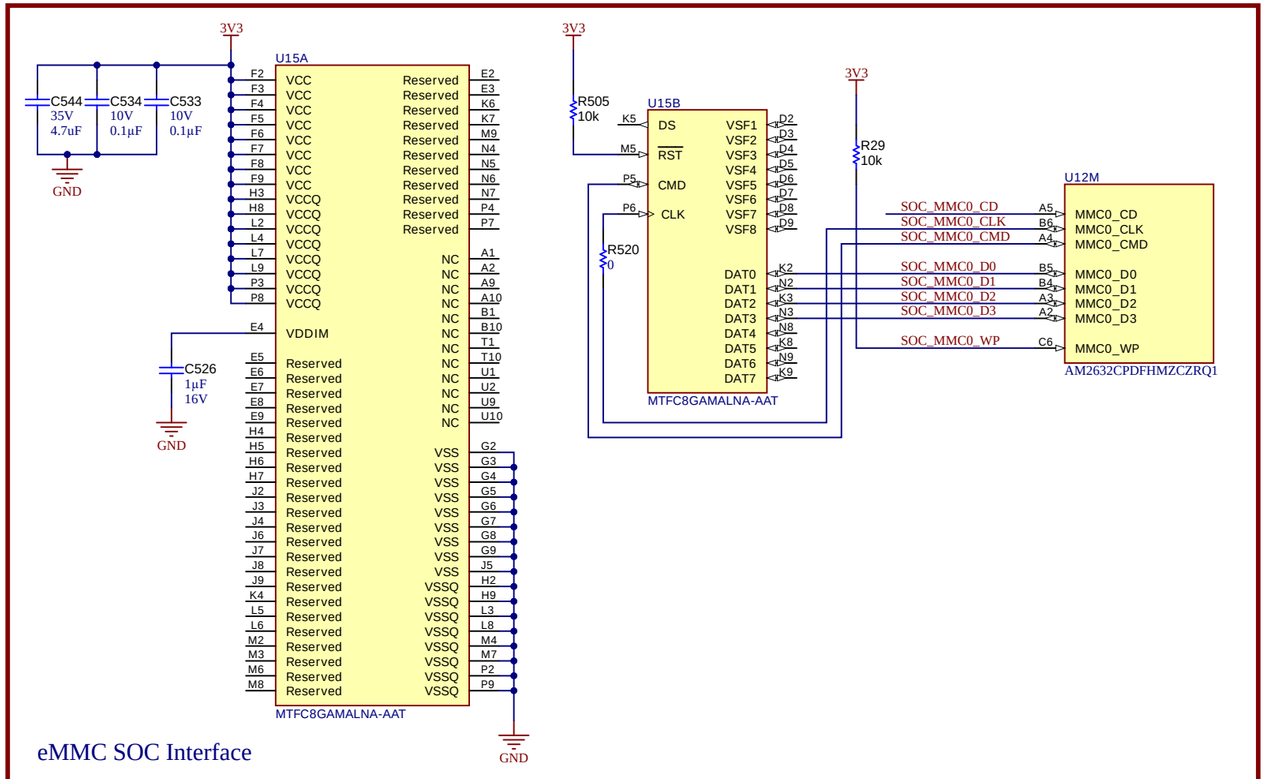

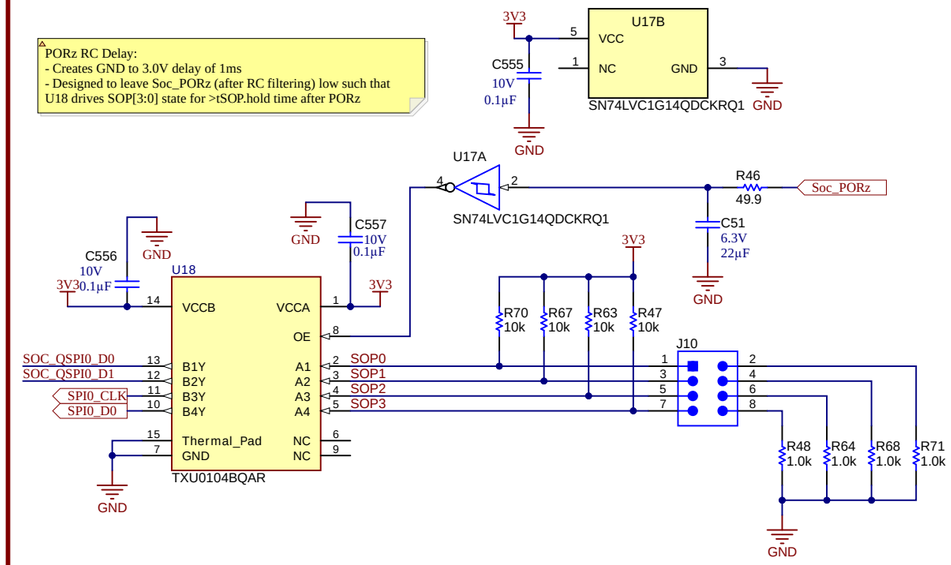

Table 5-2. BOOTMODE Pin Mapping

Boot Mode	SPI0_D0_pad (SOP3)	SPI0_CLK_pad (SOP2)	QSPI_D1 (SOP1)	QSPI_D0 (SOP0)
QSPI (4S) - Quad Read Mode	0	0	0	0
UART	0	0	0	1
QSPI (1S) - Single Read Mode	0	0	1	0
QSPI (4S) - Quad Read UART Fallback Mode	0	1	0	0
QSPI (1S) - Single Read UART Fallback Mode	0	1	0	1
DevBoot	1	0	1	1
Unsupported Boot Mode	All other combinations not defined above			

SOC BOOT MODE

Orderable: DLP2021AM263Q1EVM		Designed for: Public Release	Mod. Date: 11/15/2023
TID #: N/A		Project Title: DLP2021AM263Q1EVM	
Number: DLP096	Rev: A	Sheet Title: SoC Memory	
SVN Rev: Not in version control		Assembly Variant: 001	Sheet: 7 of 10
Drawn By: A. Whitehead		File: DLP096A_SoC_Memory.SchDoc	Size: B
Engineer: A. Whitehead		Contact: http://www.ti.com/support	

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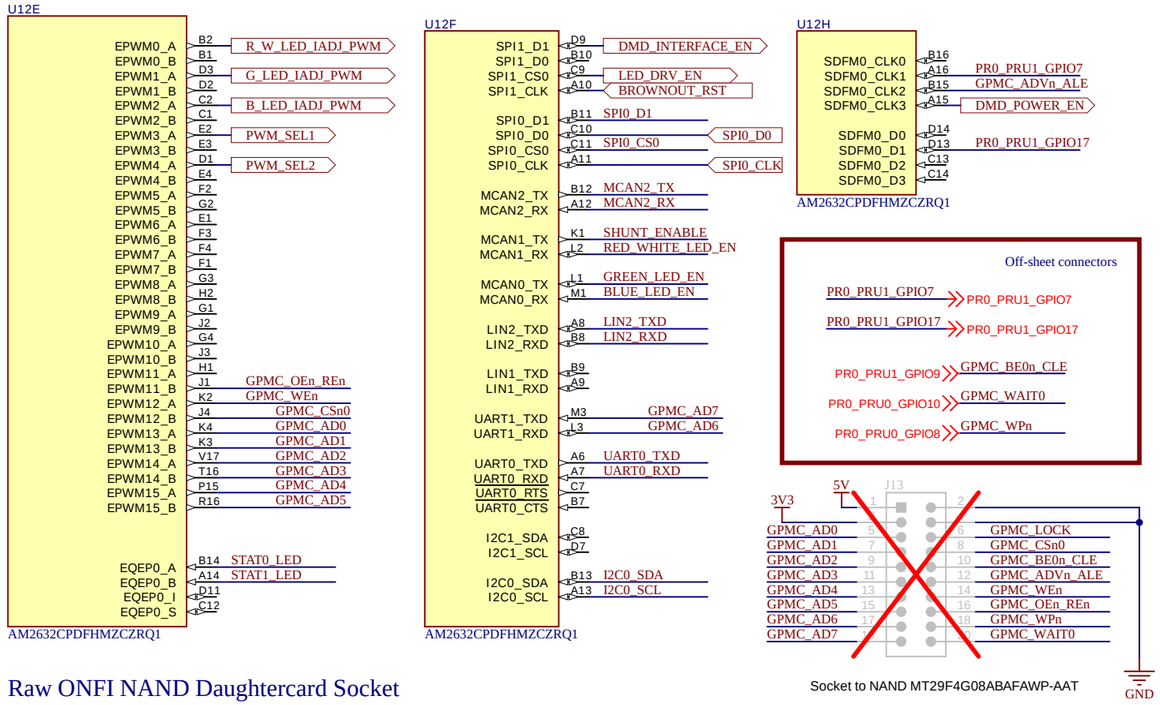
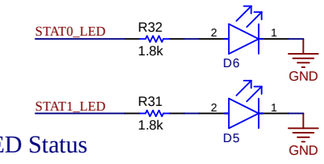
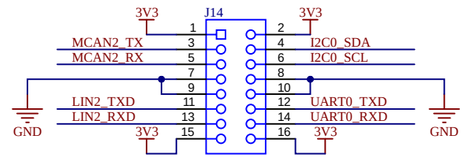
Raw ONFI NAND Daughtercard Socket



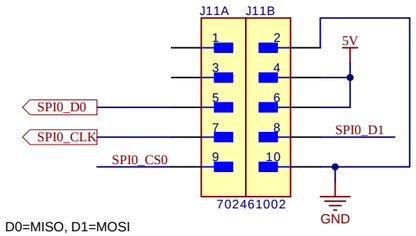
LED Status



CAN / LIN / I2C / UART Daughtercard Socket

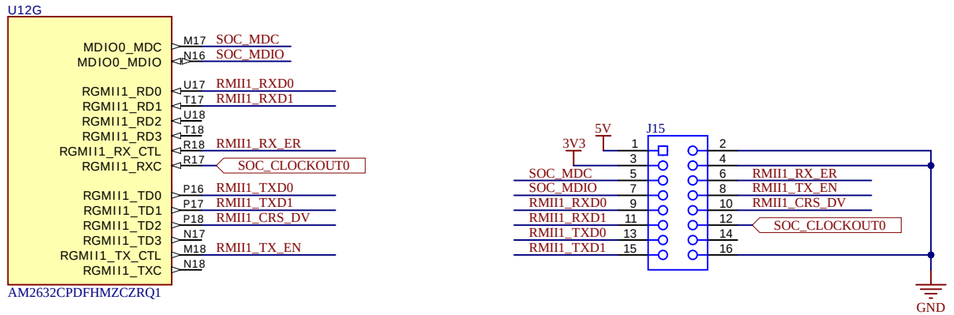


TotalPhase Cheetah USB-to-SPI Adapter



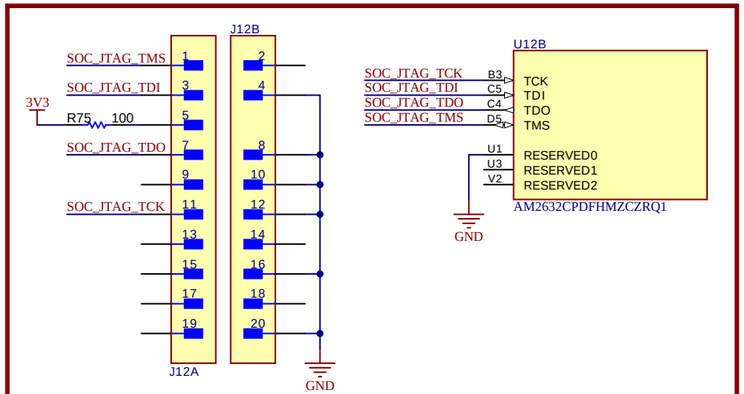
D0=MISO, D1=MOSI

Ethernet RMII Daughtercard Socket



Socket for Ethernet RMII e.g. DP83TD510E (10BASE-T1L / 10BASE-T1S PHY shown only as example of AM263x expected connections)

JTAG Programming / Debug



Orderable: DLP2021AM263Q1EVM		Designed for: Public Release	Mod. Date: 11/15/2023
TID #: N/A		Project Title: DLP2021AM263Q1EVM	
Number: DLP096	Rev: A	Sheet Title: Interfaces_Sockets	
SVN Rev: Not in version control		Assembly Variant: 001	Sheet: 8 of 10
Drawn By: A. Whitehead		File: DLP096A_Interfaces_Sockets.SchDoc	Size: B
Engineer: A. Whitehead		Contact: http://www.ti.com/support	

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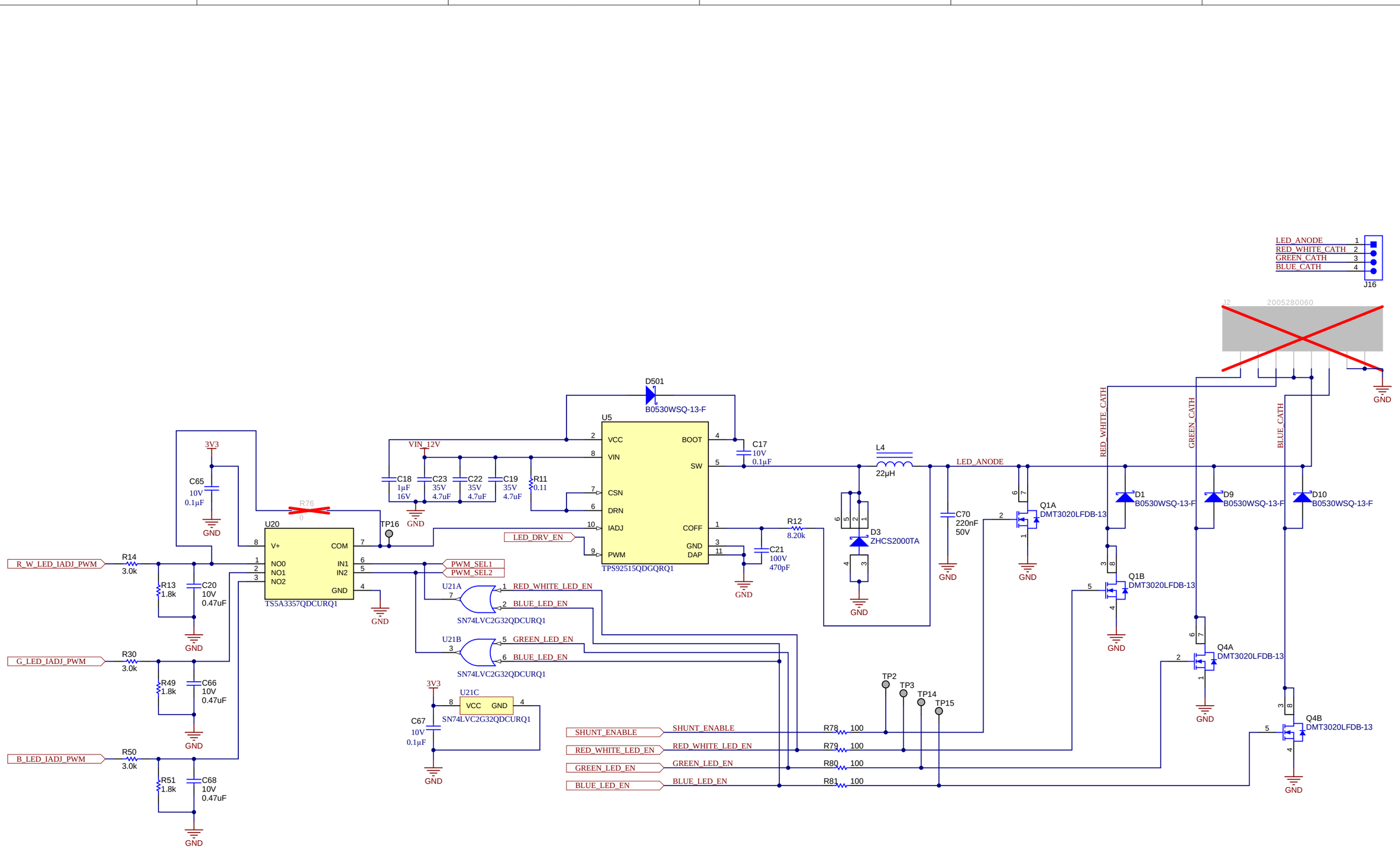

Orderable: DLP2021AM263Q1EVM	Designed for: Public Release	Mod. Date: 9/12/2023
TID #: N/A	Project Title: DLP2021AM263Q1EVM	
Number: DLP096 Rev: A	Sheet Title: LED Driver	
SVN Rev: Not in version control	Assembly Variant: 001	Sheet: 9 of 10
Drawn By: A. Whitehead	File: DLP096A_LED_Driver.SchDoc	Size: B
Engineer: A. Whitehead	Contact: http://www.ti.com/support	

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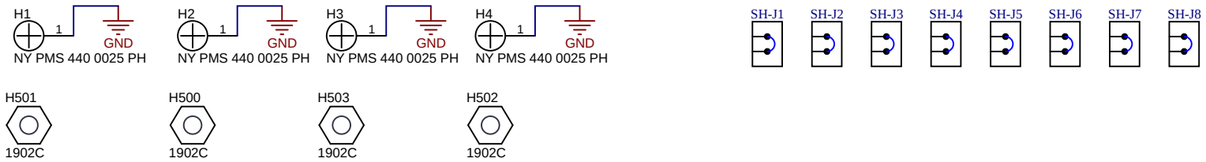

PCB Number: DLP096
PCB Rev: A

PCB
LOGO
Texas Instruments

CE Mark

PCB
LOGO
FCC disclaimer

PCB
LOGO
WEEE logo

Variant/Label Table	
Variant	Label Text
001	DLP2021AM263Q1EVM

LBL1
PCB Label
THT-14-423-10
Size: 0.65" x 0.20 "

ZZ1
Label Assembly Note
This Assembly Note is for PCB labels only

ZZ2
Assembly Note
These assemblies are ESD sensitive, ESD precautions shall be observed.

ZZ3
Assembly Note
These assemblies must be clean and free from flux and all contaminants. Use of no clean flux is not acceptable.

ZZ4
Assembly Note
These assemblies must comply with workmanship standards IPC-A-610 Class 2, unless otherwise specified.

ZZ5
Assembly Note
Indication provided for the D* components at their cathode side.

Orderable: DLP2021AM263Q1EVM		Designed for: Public Release	Mod. Date: 11/15/2023
TID #: N/A		Project Title: DLP2021AM263Q1EVM	
Number: DLP096	Rev: A	Sheet Title: Hardware	
SVN Rev: Not in version control		Assembly Variant: 001	Sheet: 10 of 10
Drawn By: A. Whitehead		File: DLP096A_Hardware.SchDoc	Size: B
Engineer: A. Whitehead		Contact: http://www.ti.com/support	

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