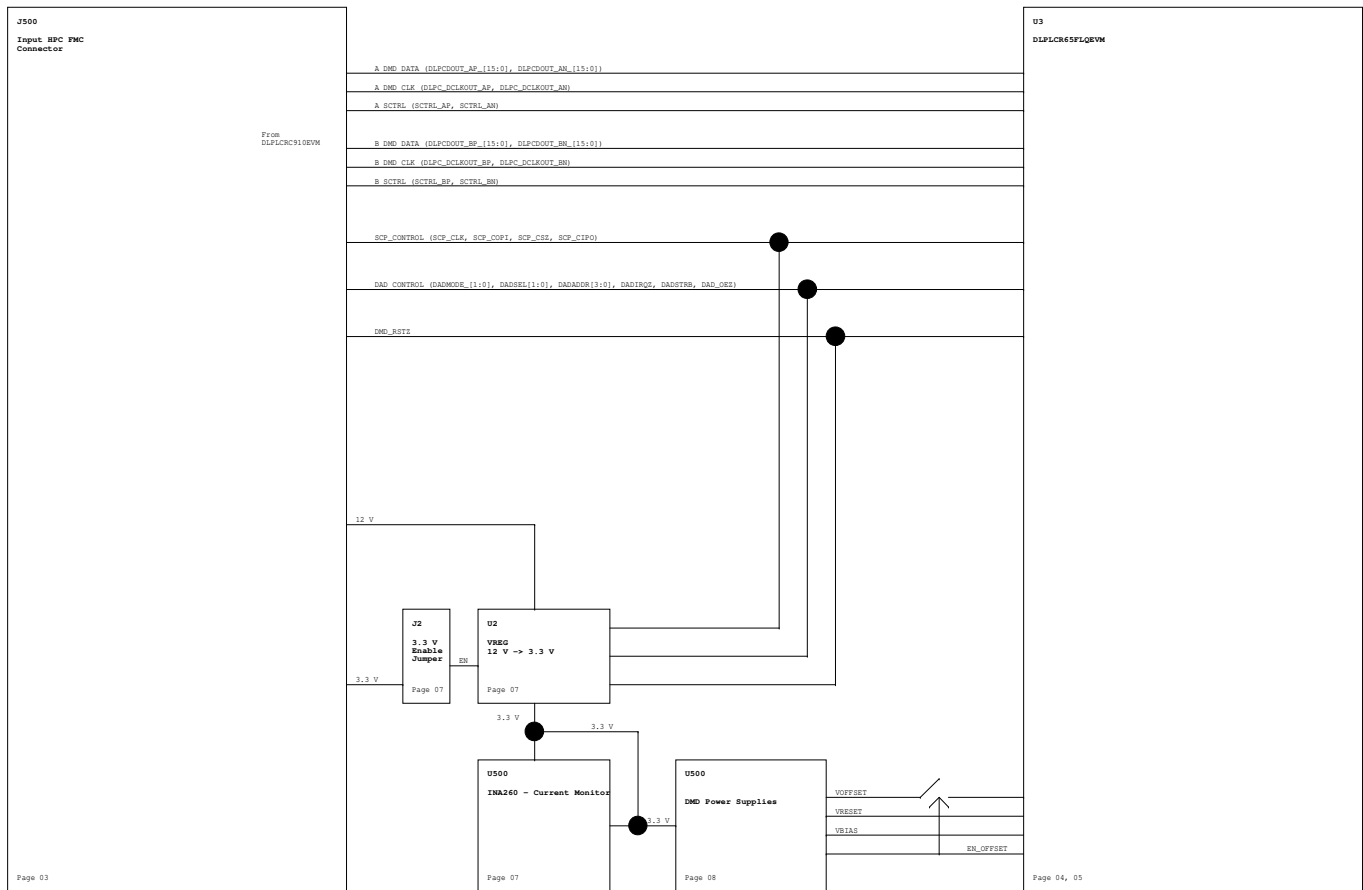


COMPUTER GENERATED DRAWING - DO NOT REVISE MANUALLY

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	Initial Release		
B	Pre-EVM Release Update	3/3/2021	
C	Pre-EVM Release Update	2/17/2023	

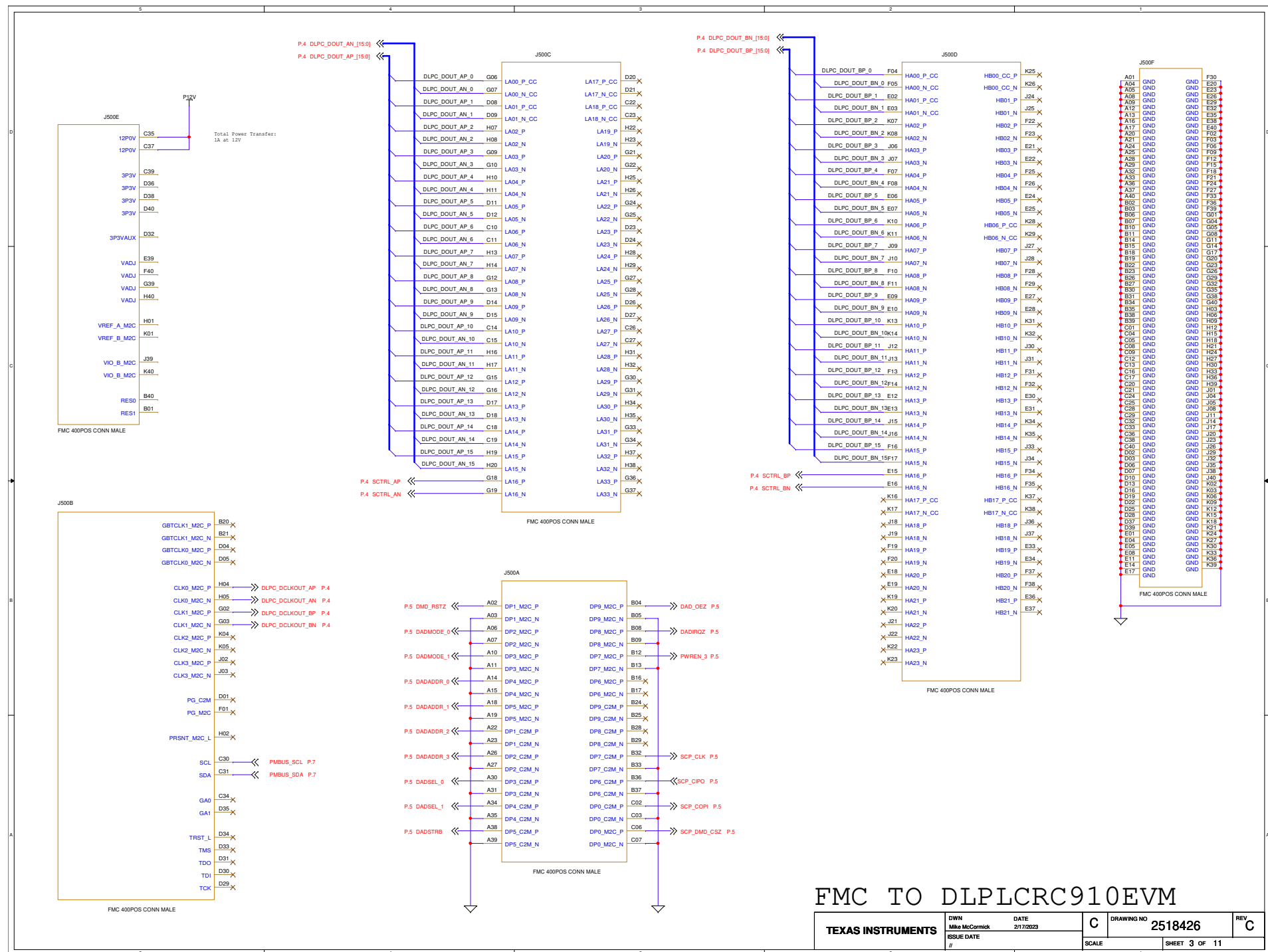


		DWN Mike McCormick	DATE 2/17/2023	TEXAS INSTRUMENTS (C) COPYRIGHT 2023 TEXAS INSTRUMENTS ALL RIGHTS RESERVED	
		ENGR Tim Ryan	9/9/2022		
		SYST Mike McCormick	9/9/2022		
PWB: 2518427		PRJ John O'Connor	7/27/2020	TITLE ESD, DLPLCR65FLQEVM - DLP084	
CCA: 2518428		QA Mark Dorak	7/27/2020		
NEXT ASSY	USED ON			C DRAWING NO 2518426	REV C
APPLICATION		SW	Cadence Capture V.17.2	SCALE	SHEET 1 of 11

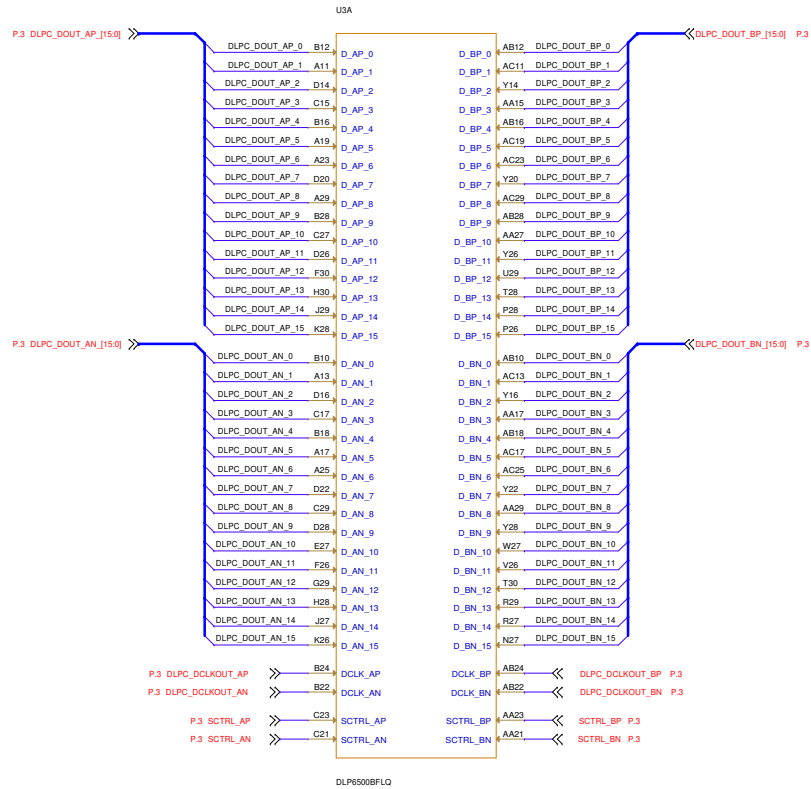


BLOCK DIAGRAM

TEXAS INSTRUMENTS	DWN Mike McCormick	DATE 2/17/2023	C	DRAWING NO 2518426	REV C
	ISSUE DATE //				
	SCALE		SHEET 2 OF 11		



Note:
U3 is a DMD instance.



DLP6500FLQ IO

TEXAS INSTRUMENTS

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ISSUE DATE
#

DATE
2/17/2023

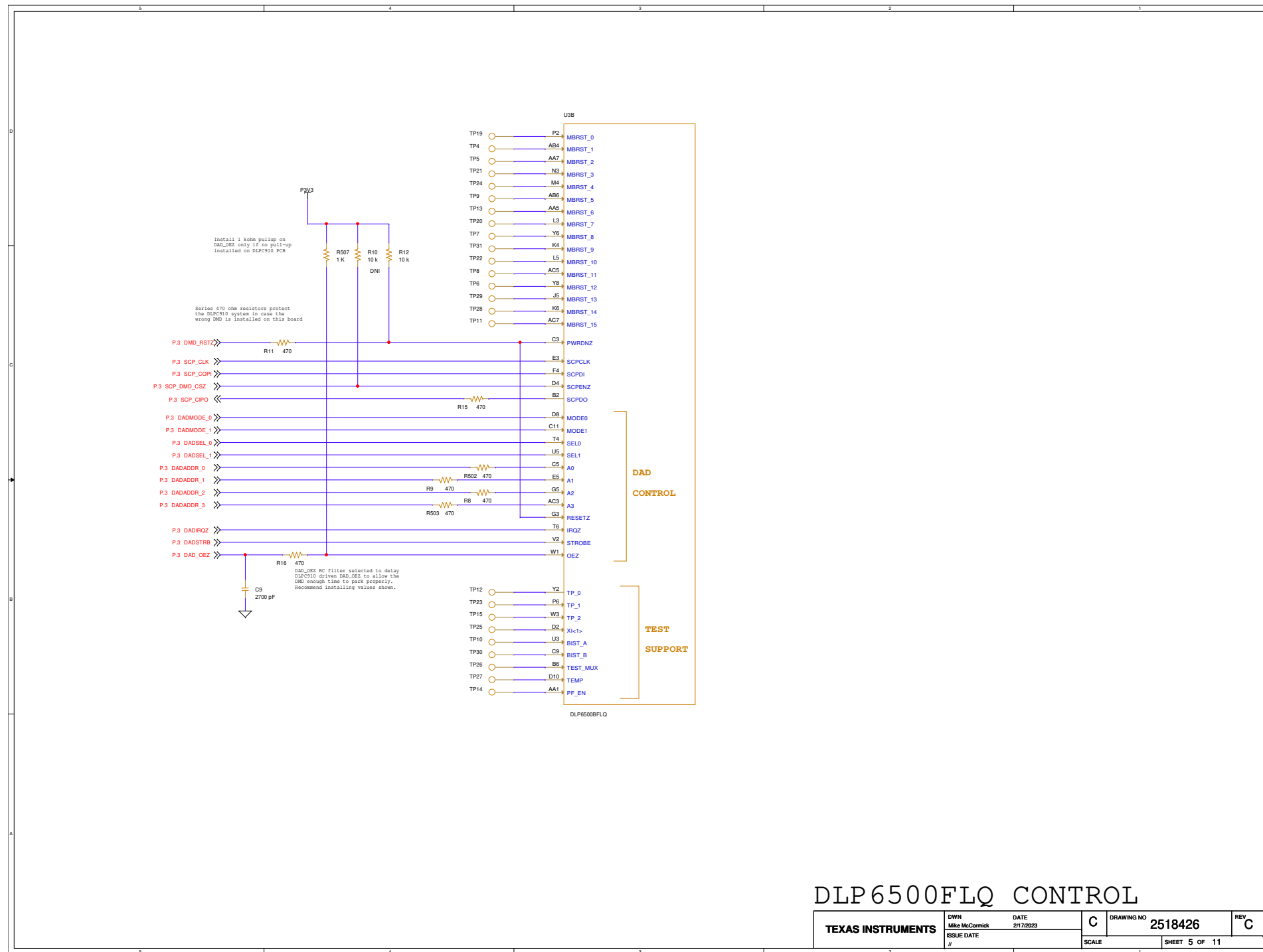
C

DRAWING NO
2518426

REV
C

SCALE

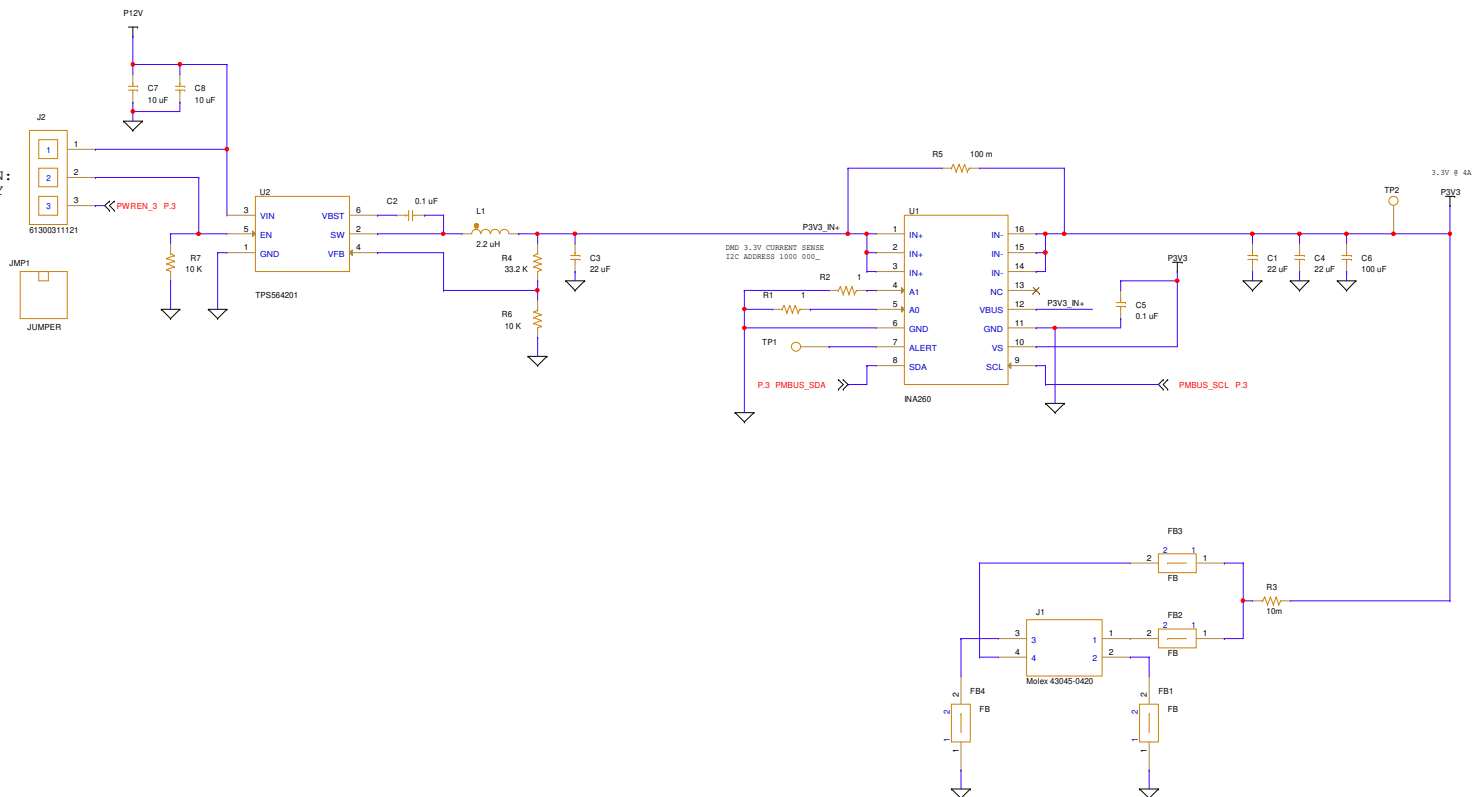
SHEET 4 OF 11



DLP6500FLQ CONTROL

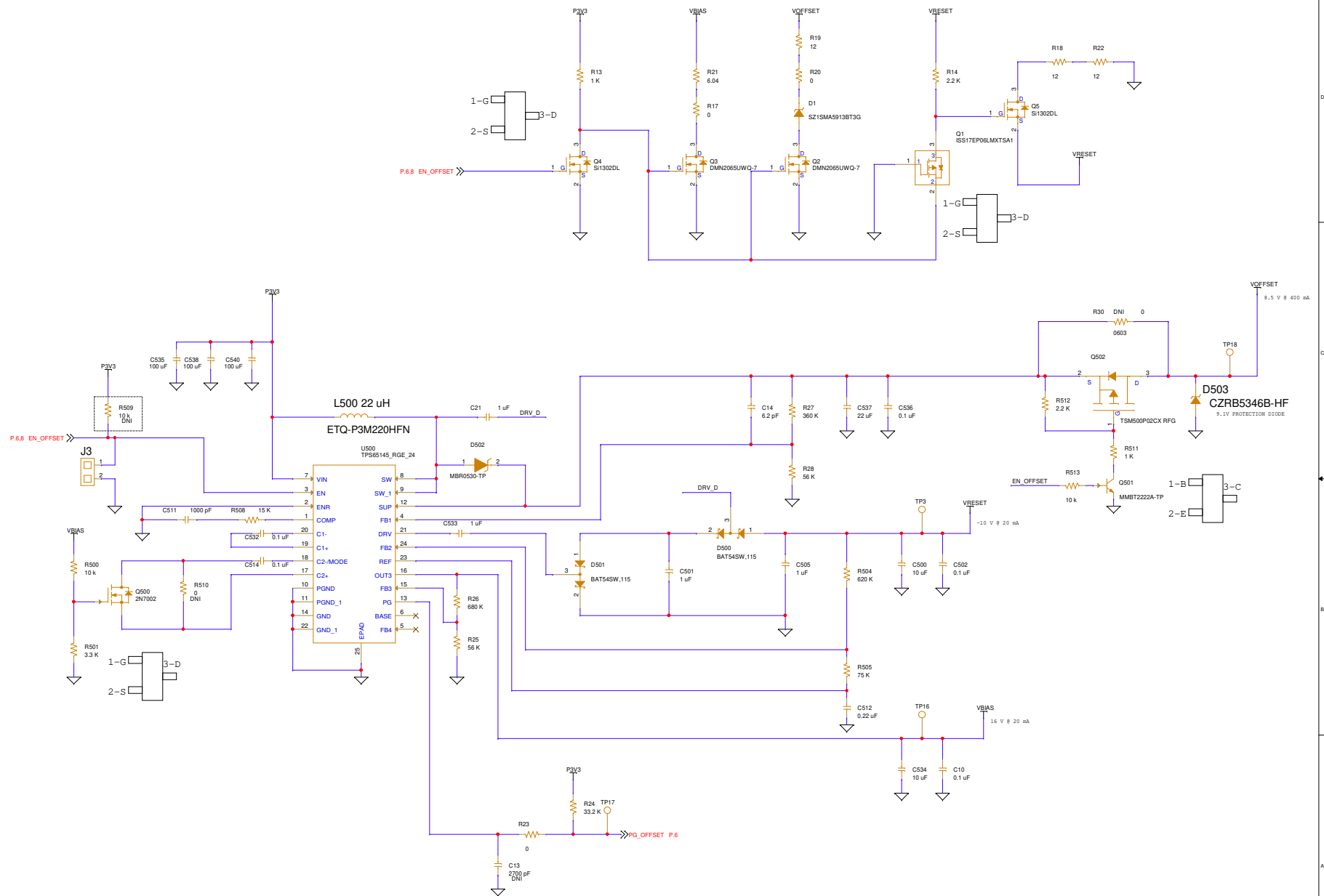
TEXAS INSTRUMENTS	DWN Mike McCormick	DATE 2/17/2023	C	DRAWING NO 2518426	REV C
	ISSUE DATE				
	//	SCALE	SHEET 5 OF 11		

JUMPER POSITION:
1-2 : TEST ONLY
2-3 : DEFAULT



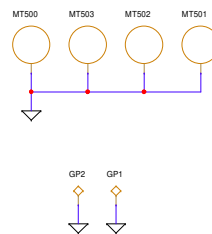
POWER

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	ISSUE DATE //				
			SCALE	SHEET 7 OF 11	



POWER

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	ISSUE DATE //				
			SCALE	SHEET 8 OF 11	



MECHANICALS

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	ISSUE DATE //				
			SCALE	SHEET 9 OF 11	

Revision B:

-Added R513 to Base of Q501.
-Switched J3 and R509 to make default pull-up on EN_OFFSET
-R507 DMD_OEZ pullup resistor changed from DNI to installed
-Changed D502 to MBR130HW
-Changed Q502 to TSM500P02CX RFG
-Changed Q2,Q3,Q4,Q5 to SI1302DL-T1-GE3

Revision C:

-Changed R509 to DNI
-Changed C535, C538, and C540 to 100uF capacitors.
-Changed R17 and R20 to 0 ohm resistors.
-Changed R21 to 6.04 ohm resistor.
-Changed D1 to SZ1SMA5913BT3G
-Changed Q2 and Q3 to DMN2065UWQ-7
-Added PWREN_3 connection to J500A pin B12 from DLPC910 Controller Board to control 3.3V power enable / disable of U2.
-Changed R7 to a pulldown on U2 enable input.
-Changed J2 to a 3 pin header to select DLPC910 board to allow TEST ONLY mode or DEFAULT mode for U2 enable.
-Mechanical assembly components have been removed from the Mechanicals page. See literature DLPA067 for mounting hardware and quick reference guide for advanced light control DMDs.
-Changed GP1 and GP2 part number to 5001.
-Changed D502 to MBR0530-TP.
-Changed C535, C538, and C540 to C1210B107M007T.

REVISIONS

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	ISSUE DATE //				
	SCALE		SHEET 10 OF 11		

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IMPORTANT NOTICE

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	ISSUE DATE //				
			SCALE	SHEET 11 OF 11	