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COMPUTER GENERATED DRAWING - DO NOT REVISE MANUALLY			
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	Production Release	02/24/2021	
B	Addition of DLP472NE/TE DMDs	03/01/2024	
C	Updated L502 from 22uH to 4.7uH	05/29/2025	

Revisions

Rev A
Production Release

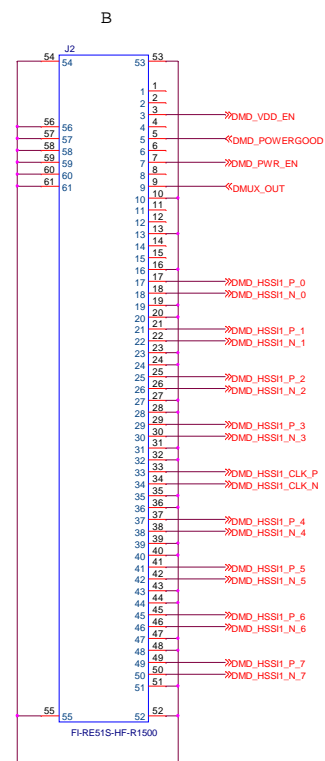
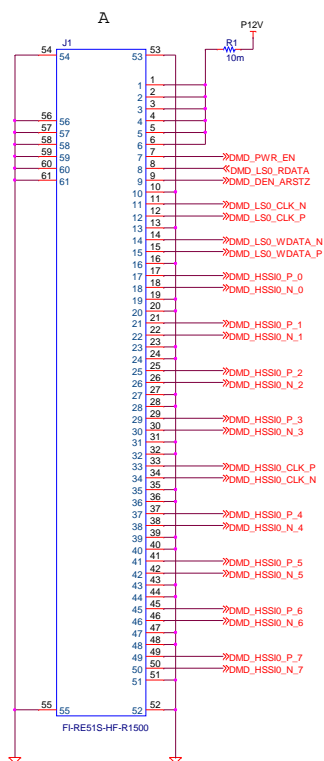
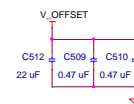
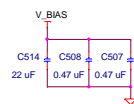
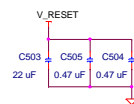
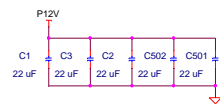
Rev B
Addition of DLP472NE/TE DMDs

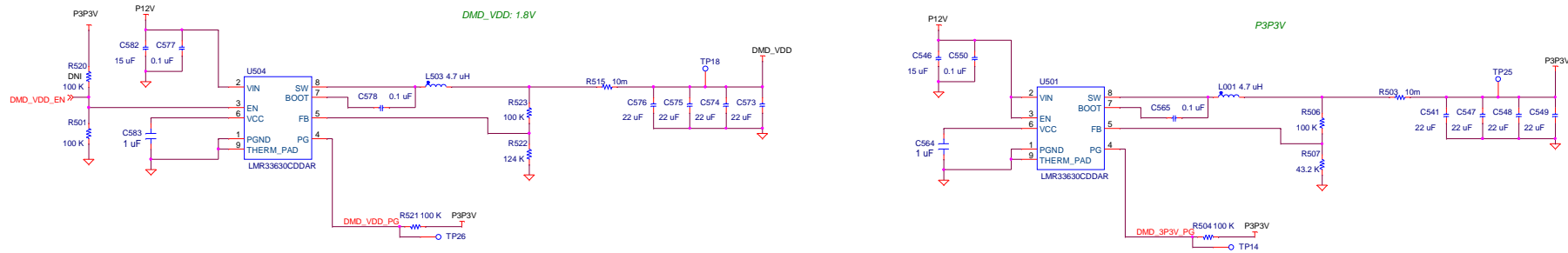
Rev C
Updated L502 from 22uH to 4.7uH

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		ENGR	L. Wang		07/09/2025					
		SYST	R. Matcovschi		07/09/2025					
		PRJ				TITLE DLP471TE, DLP472NE/TE and DLP650TE EVMs				
		QA	---							
NEXT ASSY	USED ON					A3	DRAWING NO	DLP057	REV	C
APPLICATION		SW	Cadence Capture V.17.2				SCALE		SHEET 1 of 6	

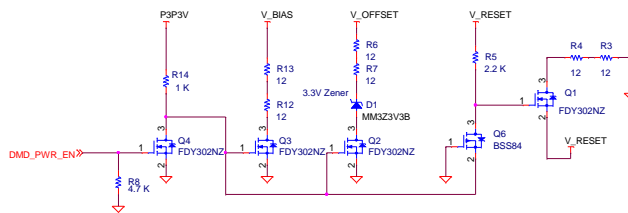
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REV C

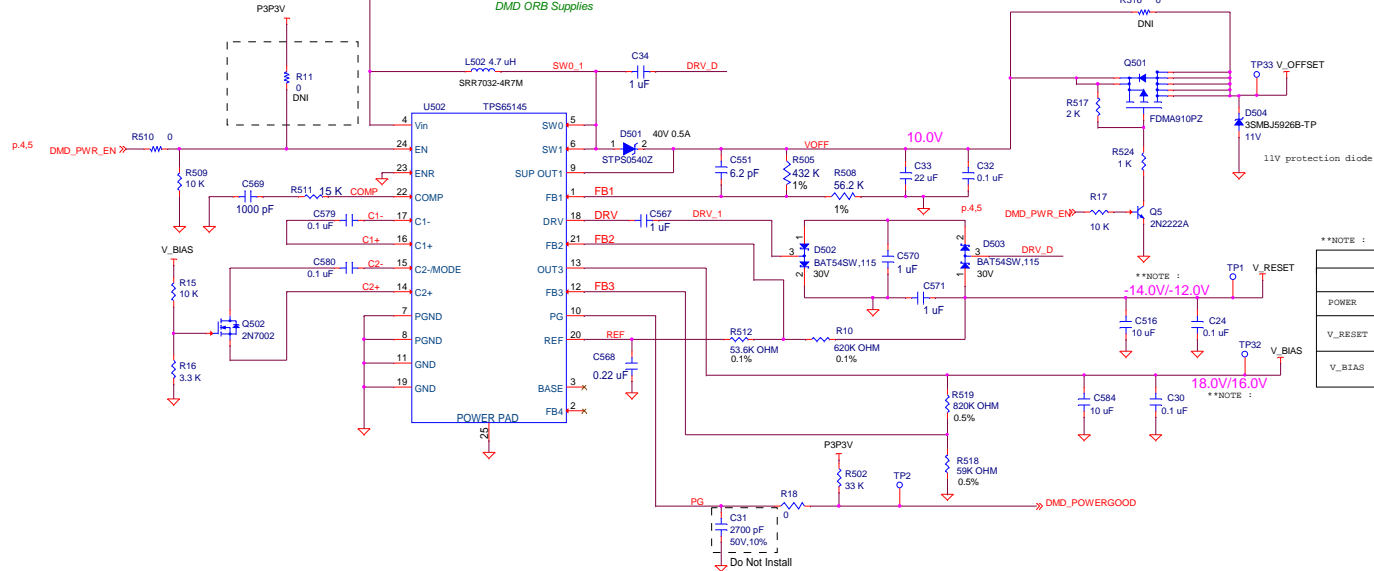




DMD ORB Supply Power Off Drains

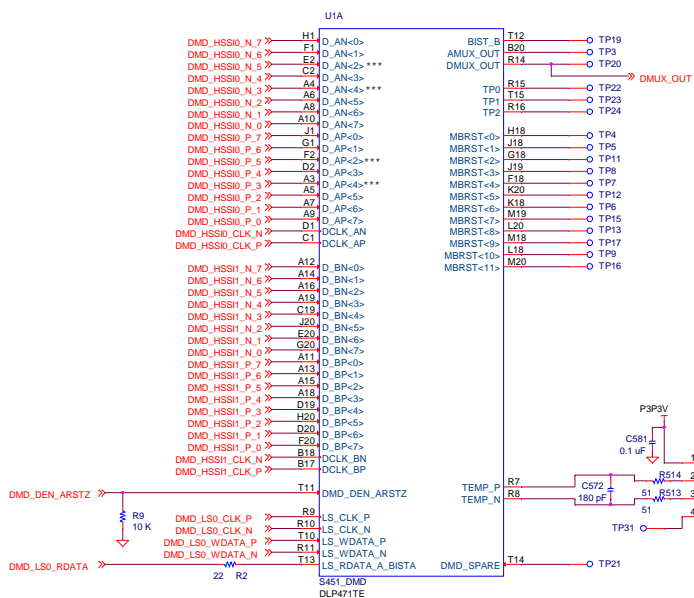


DMD ORB Supplies



**NOTE :

	VARIANT VOLTAGE DIFFERENCES			
	DLP057-001	DLP057-002	DLP057-003	DLP057-004
POWER	DLP471ITERVM	DLP650TEVM	DLP472NEEVM	DLP472TEVM
V_RESET	-14.0V	-12.0V	-14.0V	-14.0V
V_BIAS	18.0V	16.0V	18.0V	18.0V

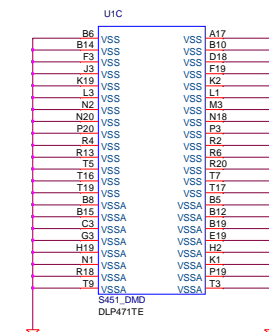
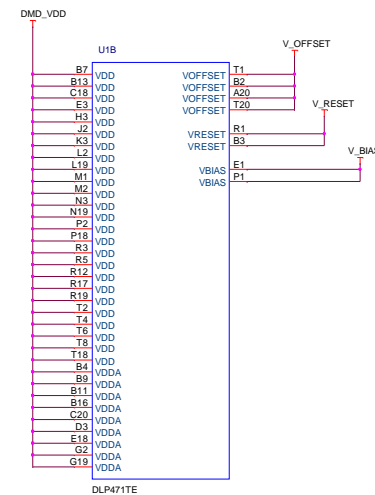
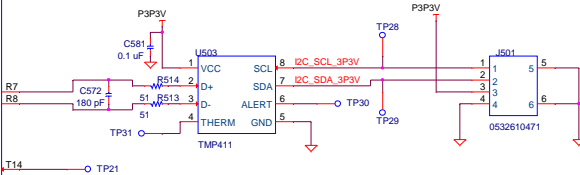


*** : Refer NOTE Below

Z_MECH1

TI DLP DMD s450 s451 Pico Projector Socket
PL14927-1542-01F
ALT_PART = 9735-002

Assembly Note :
PL14927-1542-01F (Z_MECH1) socket part is
placed down first on board in the location for U1.
The U1 part will be placed on socket afterwards.



*** NOTE :

VARIANT PIN NAME DIFFERENCES FOR U1			
DLP057-001, -003, -004		DLP057-002	
DLP471TEVEM, DLP4721NB/TEVEM		DLP650TEVEM	
Pin A3 - D_AP<4>	Pin A3 - D_AP<2>	Pin A4 - D_AN<4>	Pin A4 - D_AN<2>
Pin P2 - D_AP<2>	Pin P2 - D_AP<4>	Pin E2 - D_AN<2>	Pin E2 - D_AN<4>

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TEXAS INSTRUMENTS	DWN M. Vega	DATE 02/24/21	A3	DRAWING NO DLP057	REV C
	ISSUE DATE 07/09/25				
			SCALE	SHEET 5 OF 6	

A --- Production Release

LBL1
PCB LABEL
THT-1-423-10
LABEL 0.25"HX0.75"W WH

PCB LOGO:
Texas Instruments



Z_BOARD1
Printed Circuit Board, DLP057

VARIANT LABEL - LBL1	
DLP057-001	DLP471TEEVM
DLP057-002	DLP650TEEVM
DLP057-003	DLP472NEEVM
DLP057-004	DLP472TEEVM

PCB LOGO:
WEEE and CE



Z_MECH2
CABLE ASSY HI SPEED 51POS 20CM
JF08R0R051020UA

Z_MECH3
CABLE ASSY HI SPEED 51POS 20CM
JF08R0R051020UA

PCB LOGO:
FCC disclaimer

*For evaluation only; not
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			SCALE	SHEET 6 OF 6	