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PCB – 2513490
CCA – 2513491

TI Information - Selective Disclosure			
DWN	Kevin Lowderman	DATE	Sep-25-2013
ENGR	Kevin Lowderman		Sep-25-2013
SYS	---	TITLE	
APVD	---	S245 DMD FLEX CABLE	
QA	---	DRAWING NO	2513489
		REV	A.0
11 x 17	Orcad Capture 16.2	SHEET	1 of 3

Place JDMD on TOP side.

Placement of capacitors close to the DMD is critical for proper operation and reliability.

Place JFINGERS on TOP side.
pad pattern mating to FH28E-40S-0.5SH(05)

Use DMD mapping option 1 in the DPP343x.

Route 68 ohm. Follow line length matching rules in the DPP343x datasheet. Maximum line length from DPP343x to DMD is 6.5 inches.

LS_CLK & LS_WDATA each need a 43 ohm series terminator very close to the DPP343x.

Route 100 ohm differential. Follow line length match rules in the DPP343x datasheet. Maximum line length from DPP343x to DMD is 6.0 inches.

Placement of capacitors close to the DMD is critical for proper operation and reliability.

Place JDMD on Top side.

USE THE CIRCUIT ON THIS PAGE IF YOUR DESIGN USES DPP343x ASIC 8 Lane Option 1.

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ENGR	Kevin Lowderman		Sep-25-2013	(C) COPYRIGHT 2009 Texas Instruments Inc. All Rights Reserved		
SYS			---	TITLE		
APWD			---	S245 DMD FLEX CABLE Option 1		
QA			---	DRAWING NO		
				2513489		REV A.0
11 x 17				Orcad Capture 16.2	SHEET 2 of 3	

[illegible]

LS_CLK & LS_WDATA each need a 43 ohm series terminator very close to the DPP343x.

Use DMD mapping option 2 in the DPP343x.

Placement of capacitors close to the DMD is critical for proper operation and reliability.

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ENGR	Kevin Lowderman		Sep-25-2013	(C) COPYRIGHT 2009 Texas Instruments Inc. All Rights Reserved						
SYS			---	TITLE	S245 DMD FLEX CABLE Option 2					
APOD			---	DRAWING NO	2513489				REV	A.0
QA	---		---	11 x 17	Orcad Capture 16.2	SHEET	3	of	3	

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