

HDSDI-Daughter Board

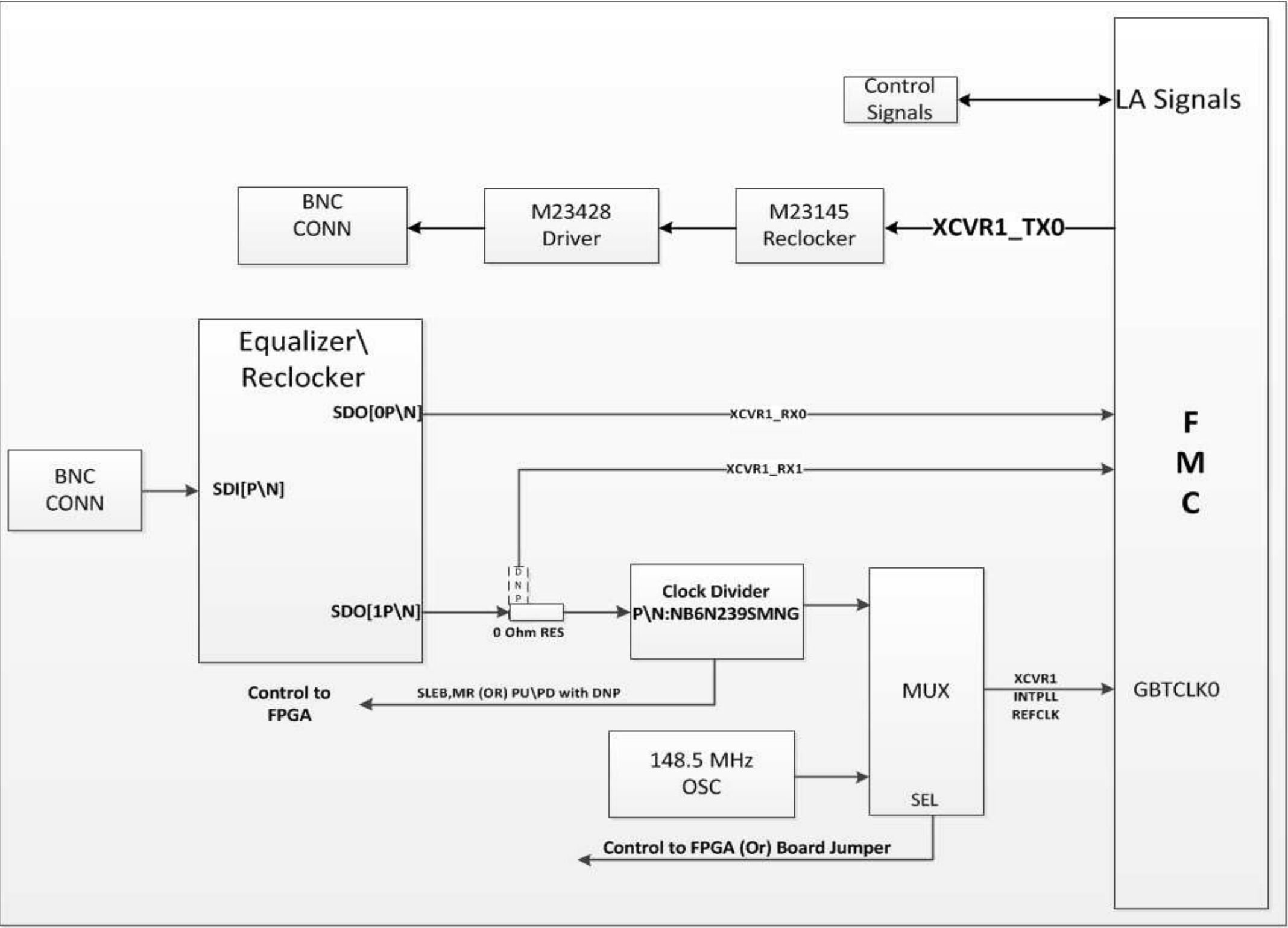
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02	BLOCK_DIAGRAM
03	12G HD-SDI TX/RX CONN
04	CLOCK MULTIPLEXER
05	FMC_MALE_CONNECTOR



Project Name:		
HDSDI-Daughter Board		
Rev	Part Number:	
1	MICROSEMI DVP-100-000514-001	PACTRON:
Originator:		
GHURU KUMARAVELU		
Size	Date:	
A	Monday, July 09, 2018	
		Sheet 8 of 12

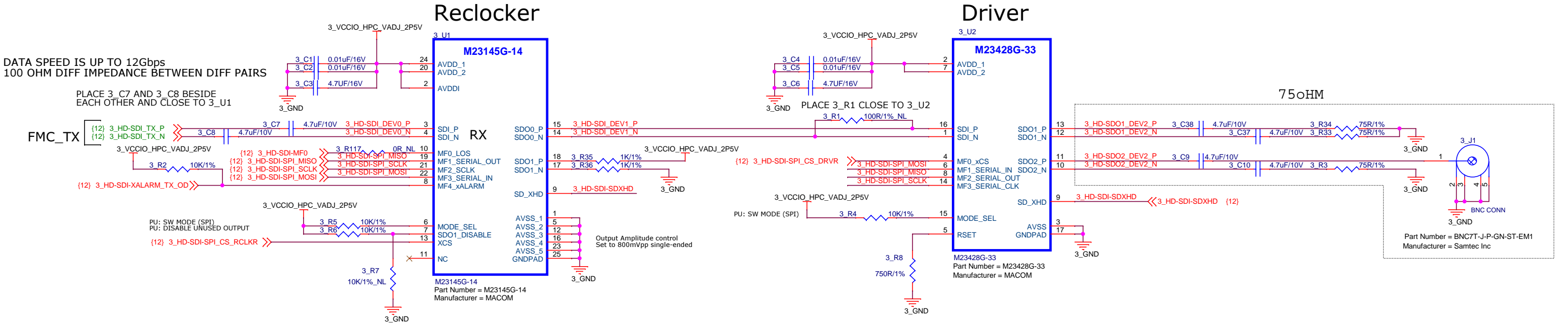
HD-SDI_FMC_DAUGHTER_BOARD

BLOCK_DIAGRAM



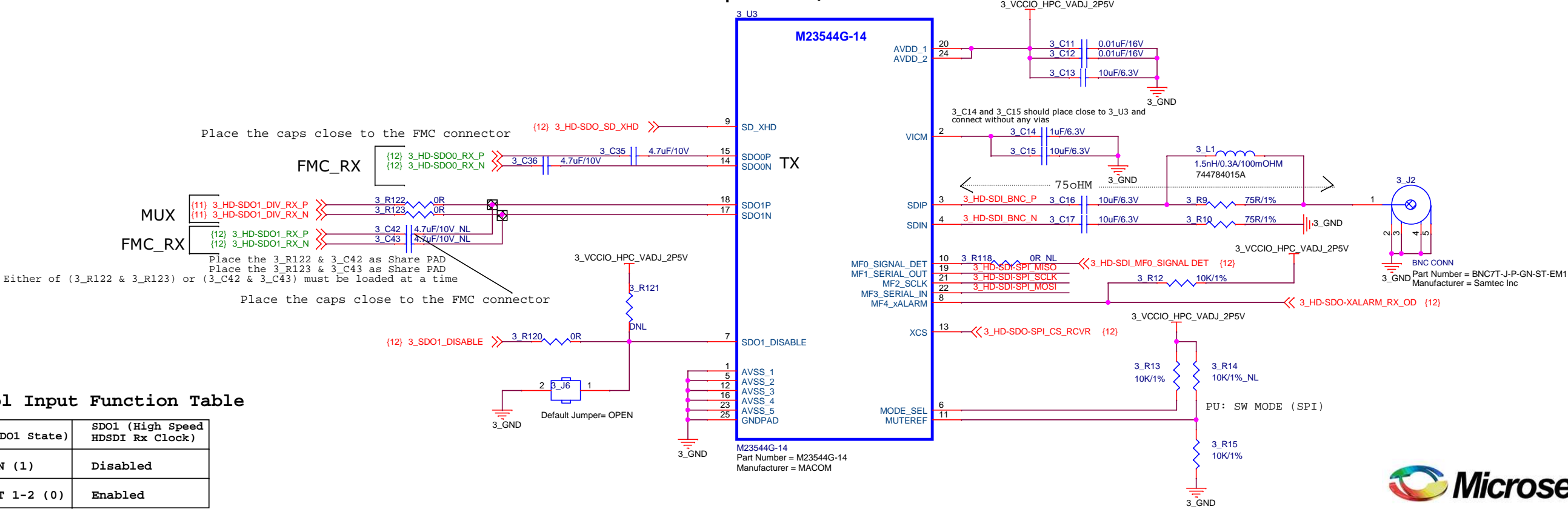
TITLE			
HDSI-Daughter Board			
Microsemi			
SIZE	DOCUMENT NO.	DVP-100-000514-001	REV
Custom			1
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12G HD-SDI Transmitter



12G HD-SDI Receiver

Equalizer/ Reclocker



Control Input Function Table

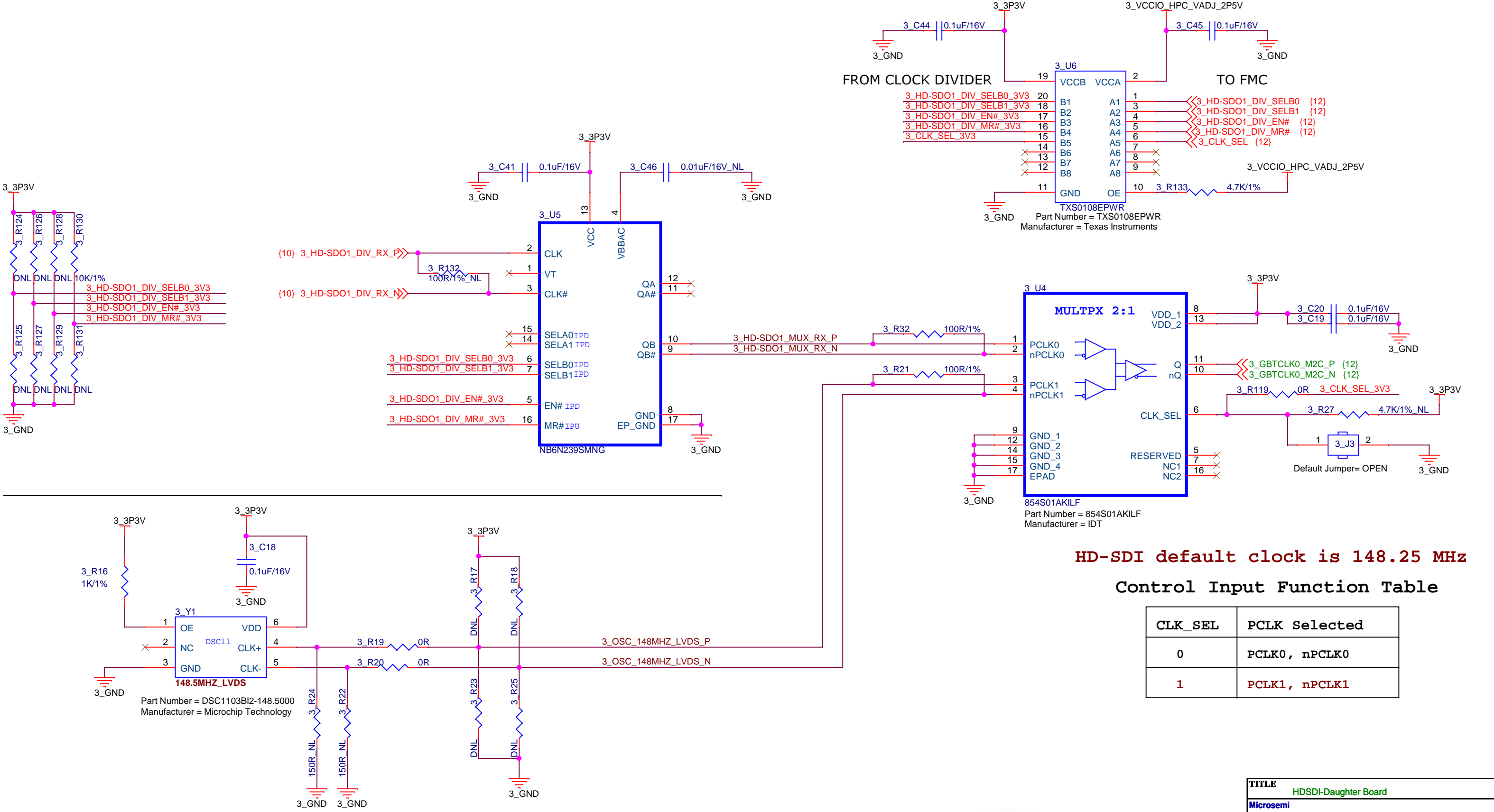
J6 (SDO1 State)	SDO1 (High Speed HSDSI Rx Clock)
OPEN (1)	Disabled
SHRT 1-2 (0)	Enabled



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DIFFERENTIAL-TO-LVDS CLOCK MULTIPLEXER

FMC-GBTCLK0



HD-SDI default clock is 148.25 MHz

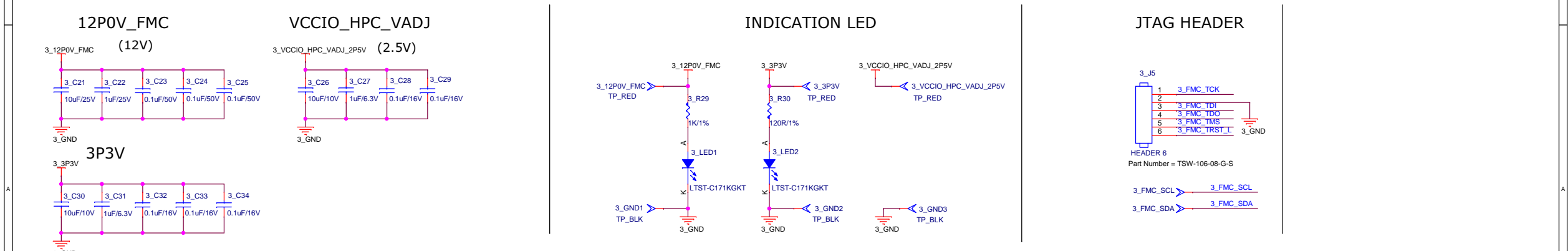
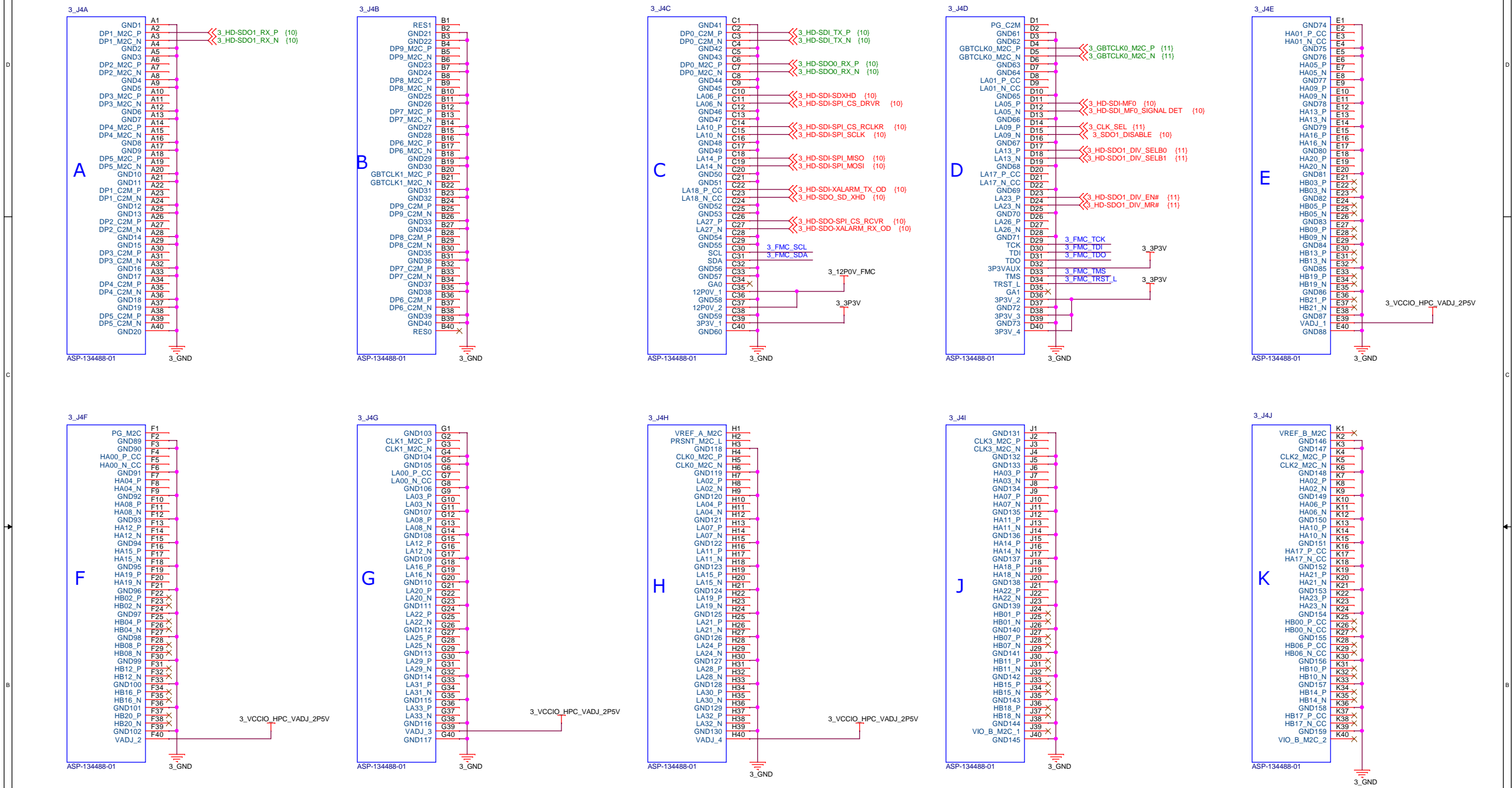
Control Input Function Table

CLK_SEL	PCLK Selected
0	PCLK0, nPCLK0
1	PCLK1, nPCLK1



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FMC Male Connection



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Custom		1
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