

5	4	3	2	1
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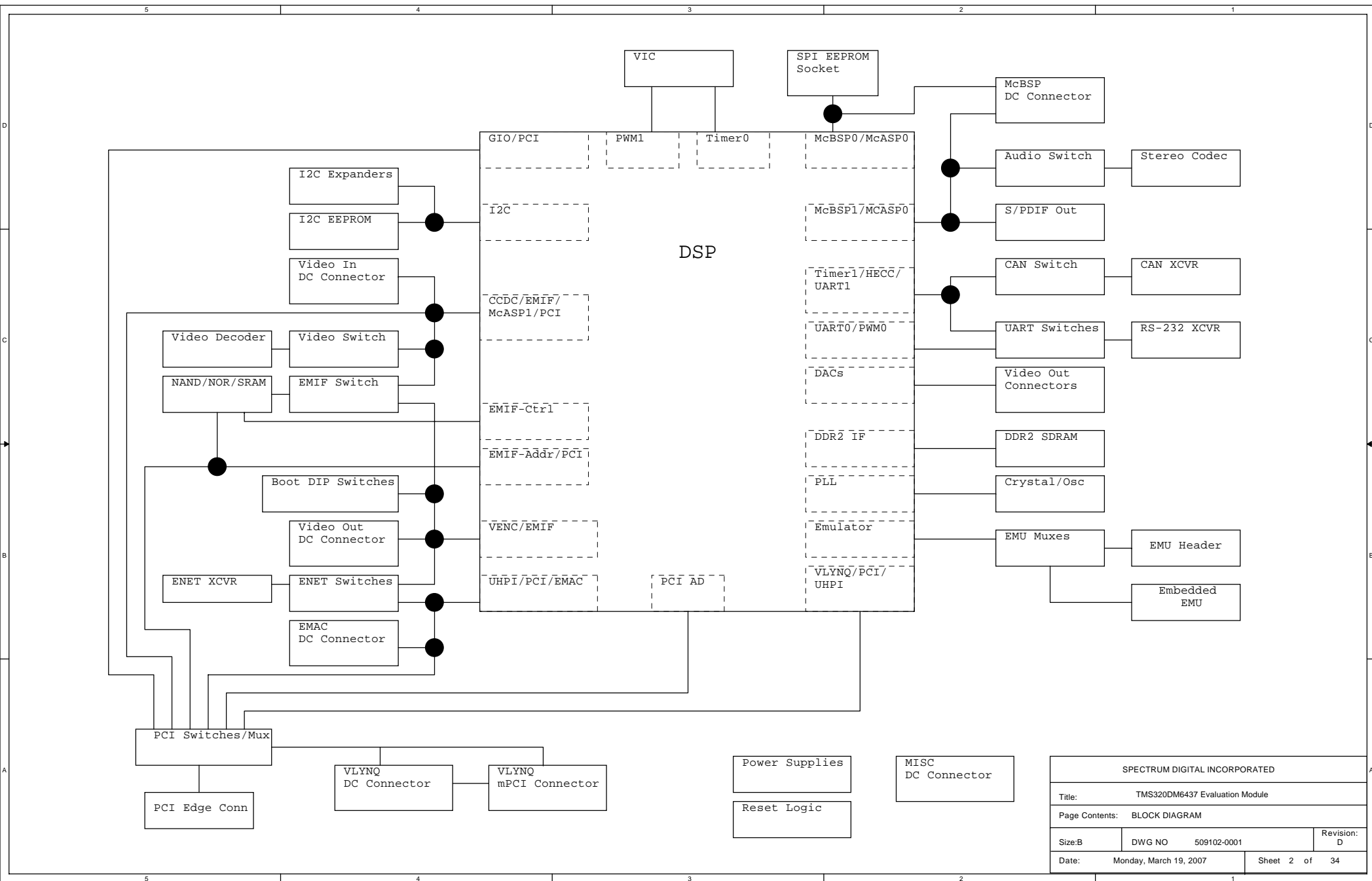
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SHEET10 - Boot DIP Switches
SHEET11 - VIC
SHEET12 - I2C Expanders
SHEET13 - I2C Expanders 2
SHEET14 - DDR2 Memories
SHEET15 - EMIF Muxing
SHEET16 - NAND-Flash/SRAM
SHEET17 - NOR-Flash/EEPROM
SHEET18 - ENET Muxing
SHEET19 - ENET
```

SHEET30 - VIDEO DC Conn.  
SHEET31 - EMAC/MCBSP DC Conn.  
SHEET32 - VLYNQ/EMIF DC Conn.  
SHEET33 - RESET SUPERVISOR  
SHEET34 - POWER

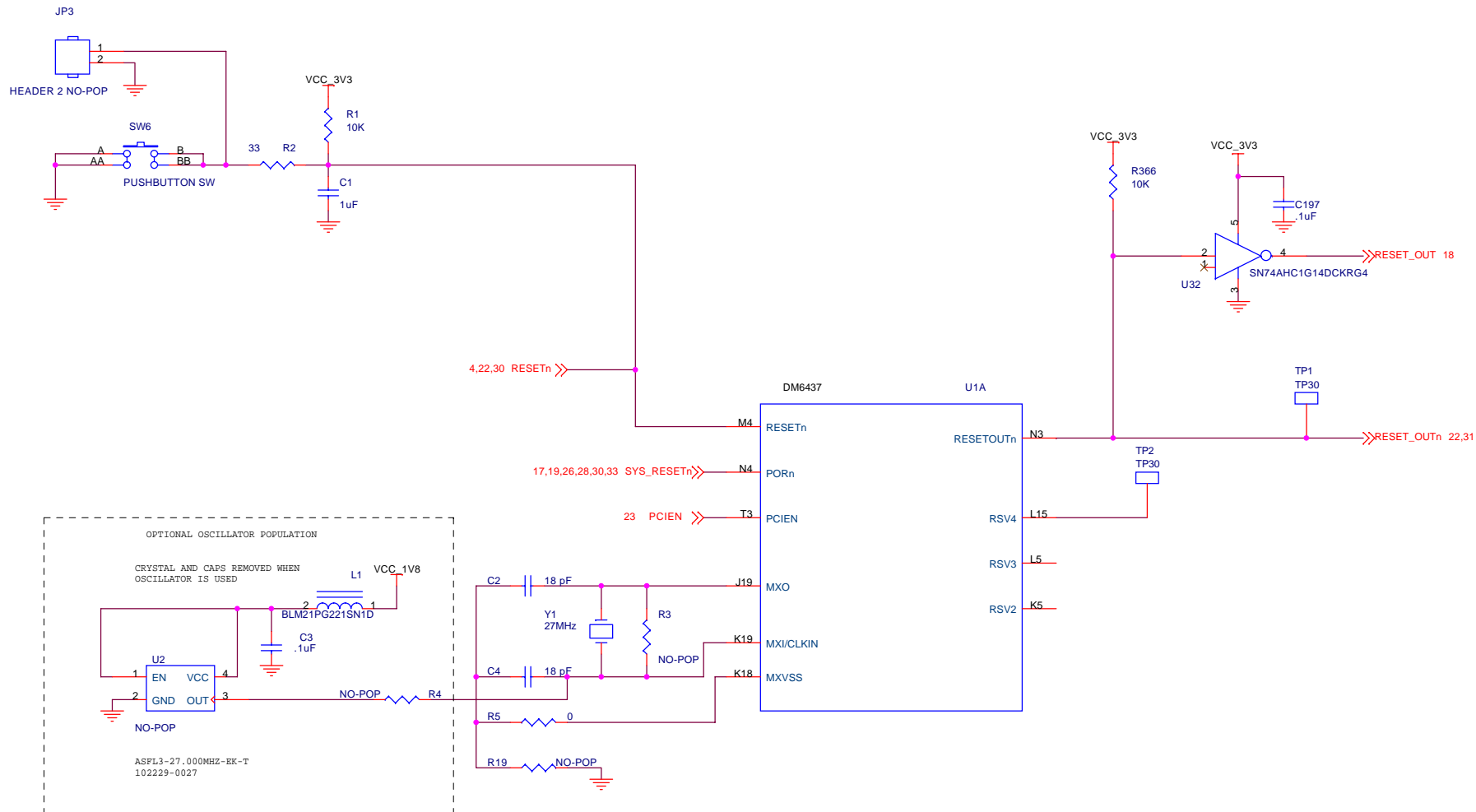
ADDRESS		DEVICE	FUNCTION
HEX	BINARY		
0x38	00111000B	PCF8574	USER INPUT Expander - 0111(A2)(A1)(A0)
0x39	00111001B	PCF8574	LED Expander - 0111(A2)(A1)(A0)
0x3A	00111010B	PCF8574	VIC PLL Expander - 0111(A2)(A1)(A0)
0x3B	00111011B	PCF8574	VLYNQ IO Expander - 0111(A2)(A1)(A0)
0x50	01010000B	CAT24C256	EEPROM - 1010(A2)(A1)(A0)
0x1B	00011011B	AIC33	AUDIO CODEC - 00110(MFP1)(MFP0)
0x5D	01011101B	TVP5146	VIDEO DECODER - 101110(I2CA)

REVISION STATUS OF SHEETS																				
	D	D	D	D																
	31	32	33	34																
REV	D	D	D	D	D	D	D	D	D	D										
SH	21	22	23	24	25	26	27	28	29	30										
REV	D	D	D	D	D	D	D	D	D	D										
SH	11	12	13	14	15	16	17	18	19	20										
REV	D	D	D	D	D	D	D	D	D	D	NEXT ASSY	USED ON								
SH	1	2	3	4	5	6	7	8	9	10	APPLICATION									

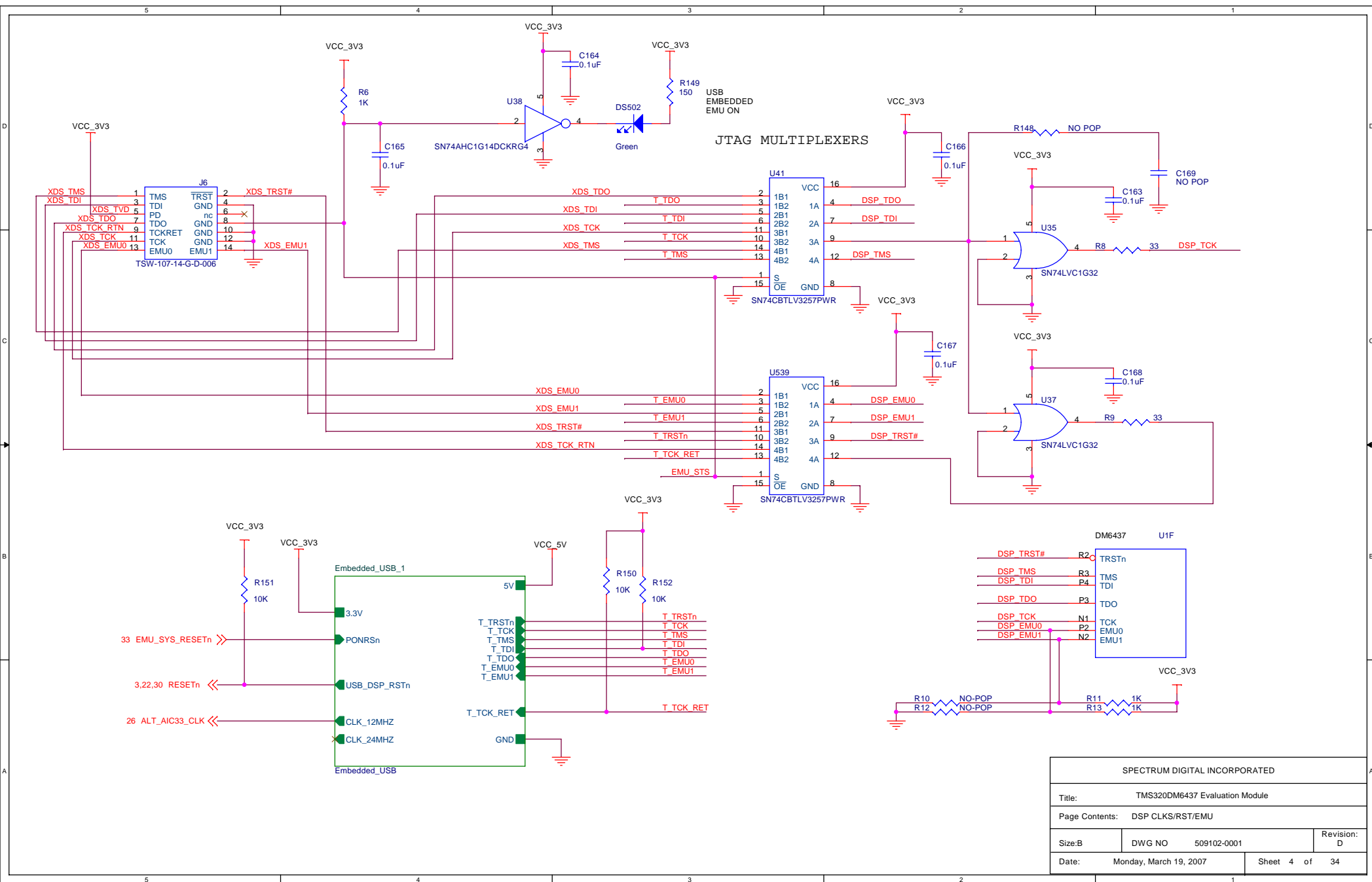
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Page Contents: TITLE SHEET			
Size:B	DWG NO	509102-0001	Revision: D
Date:	Monday, March 19, 2007	Sheet 1 of	34



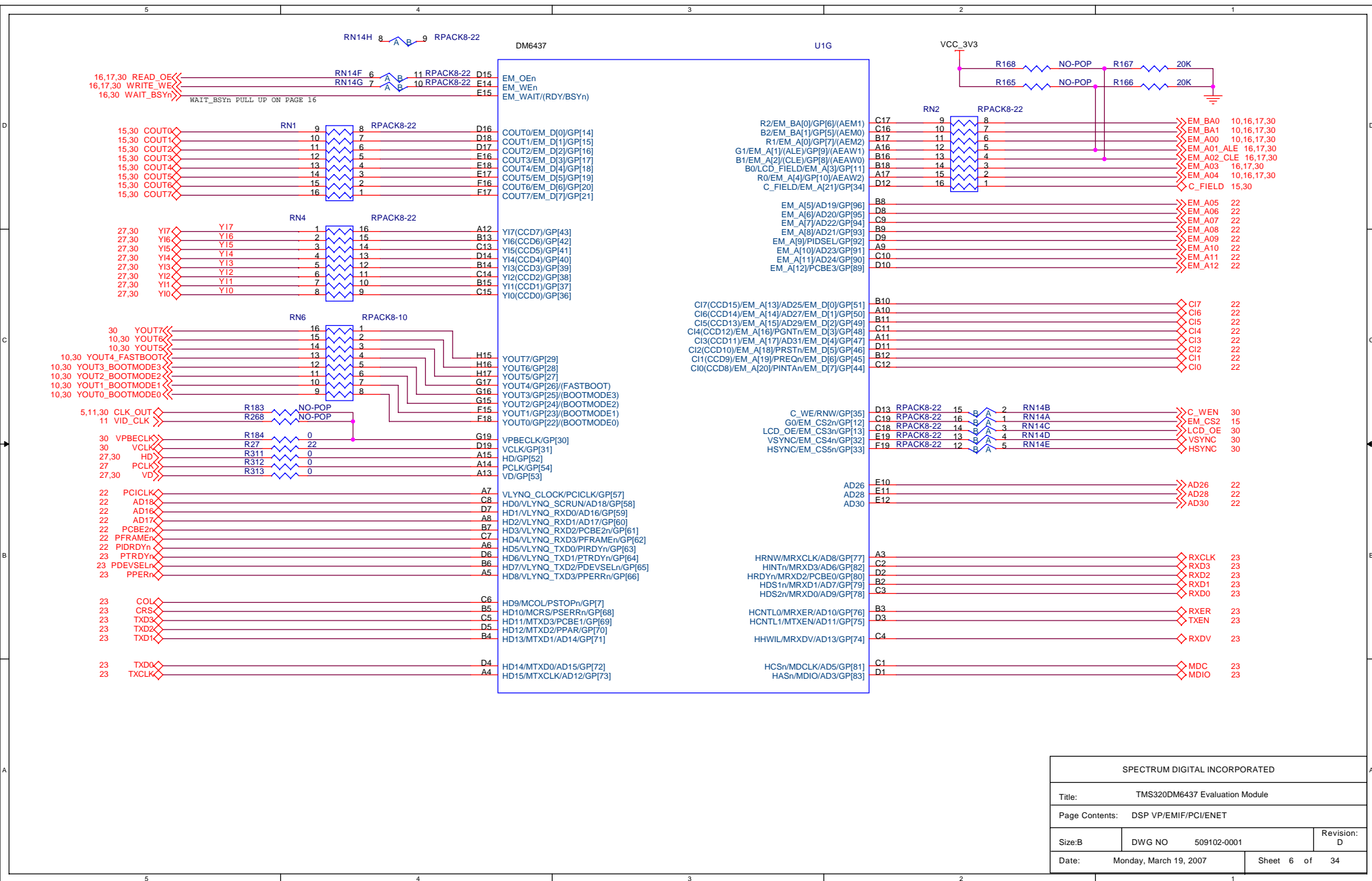
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Page Contents: BLOCK DIAGRAM			
Size: B	DWG NO	509102-0001	Revision: D
Date:	Monday, March 19, 2007		Sheet 2 of 34

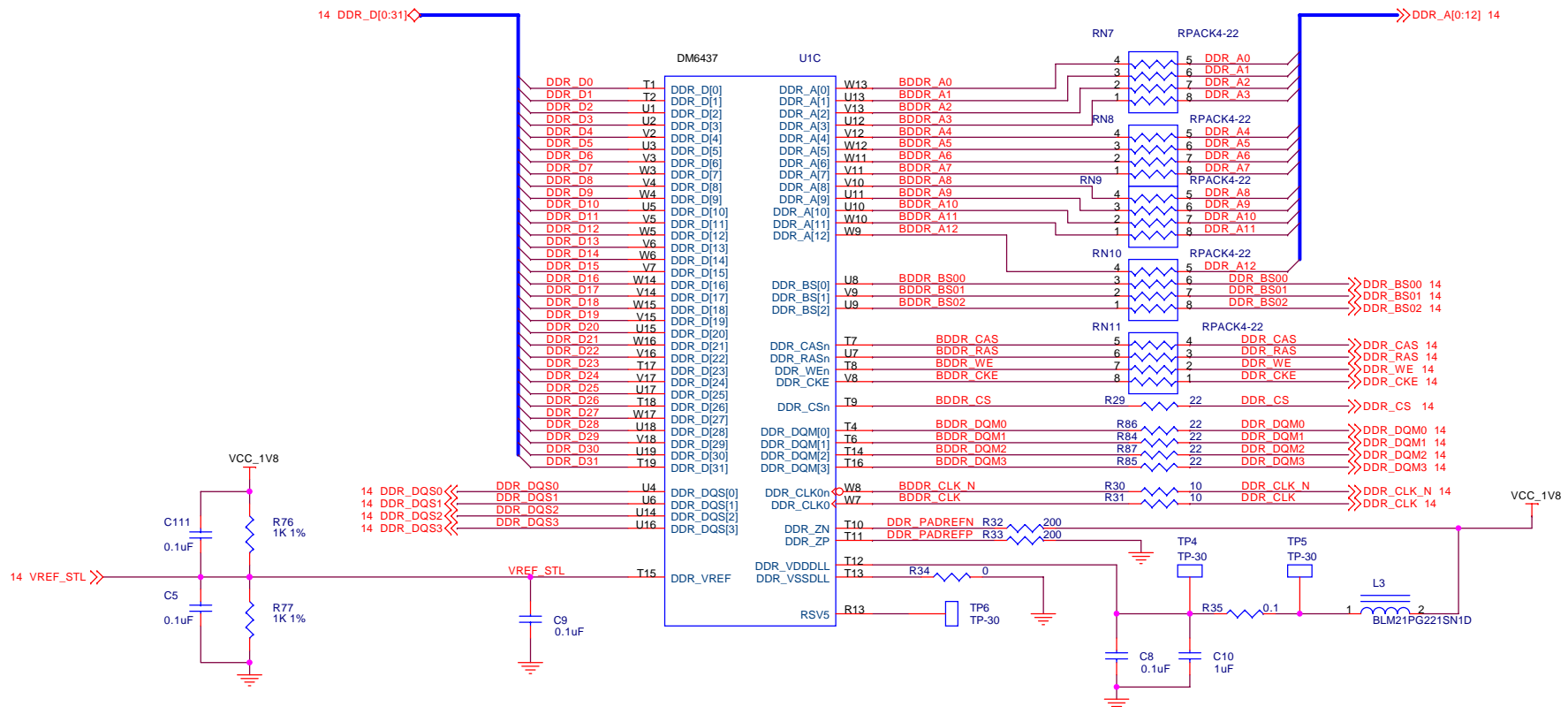


SPECTRUM DIGITAL INCORPORATED			
Title: TMS320DM6437 Evaluation Module			
Page Contents: DSP CLKS/RST/EMU			
Size: B	DWG NO	509102-0001	Revision: D
Date:	Monday, March 19, 2007	Sheet 3 of 34	

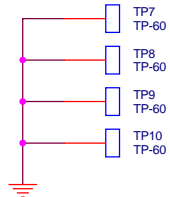




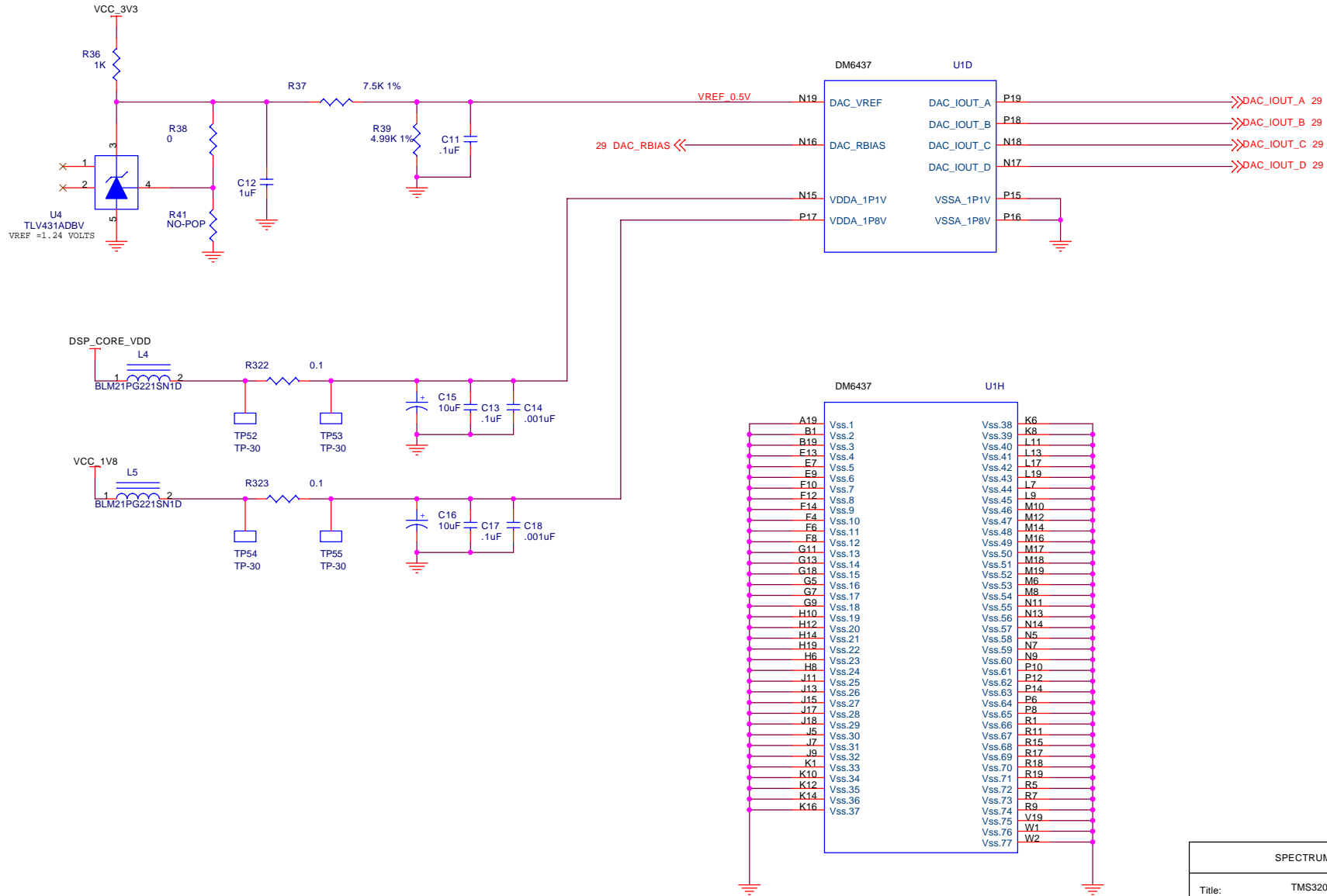




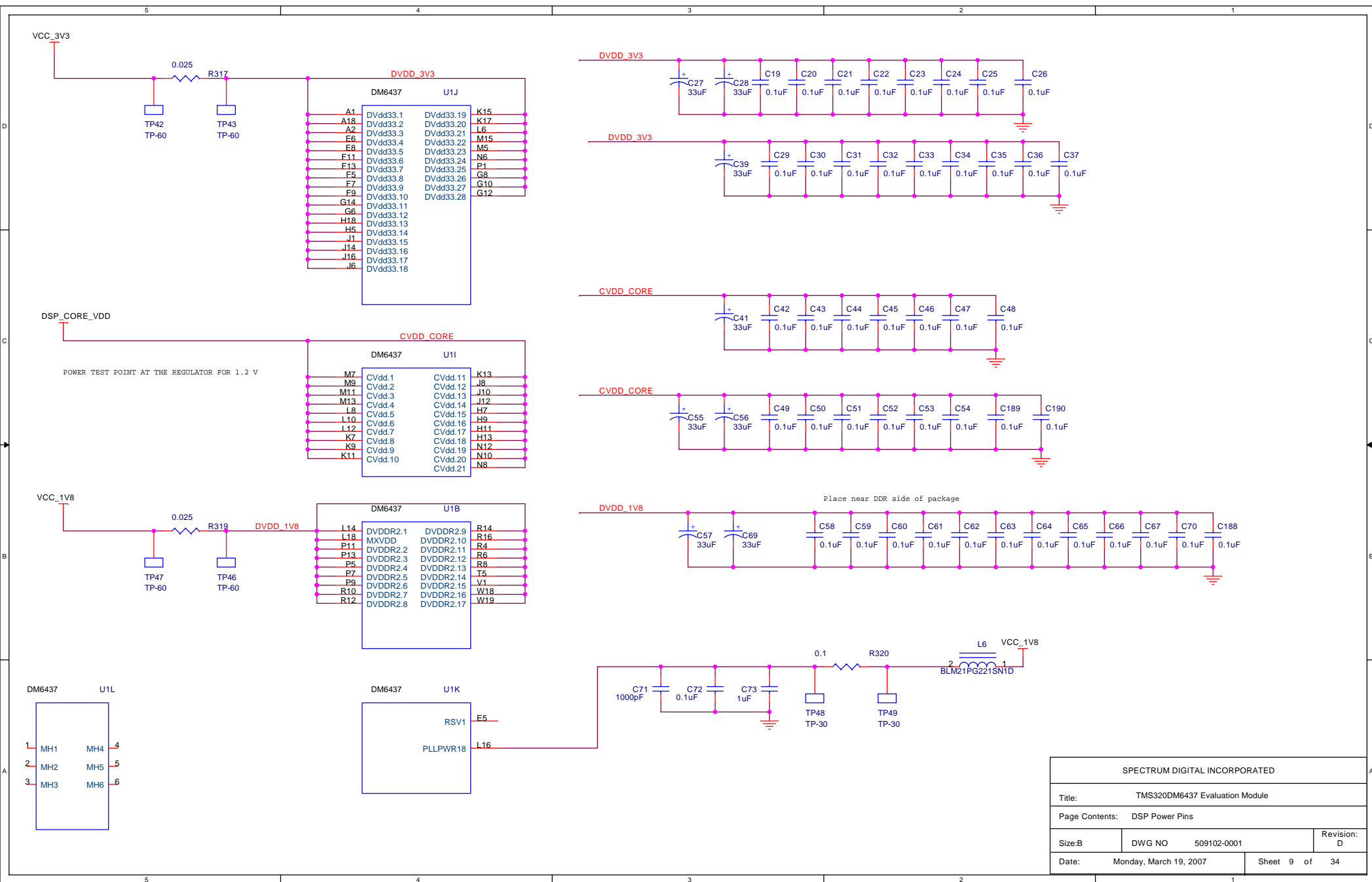
Designers must use routing techniques from  
DDR2 PCB  
Layout Application Note

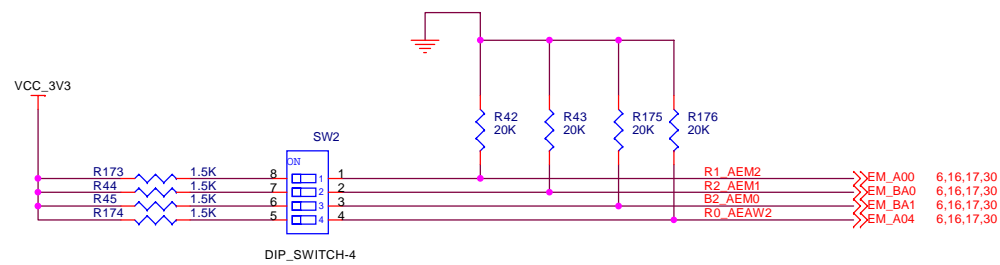
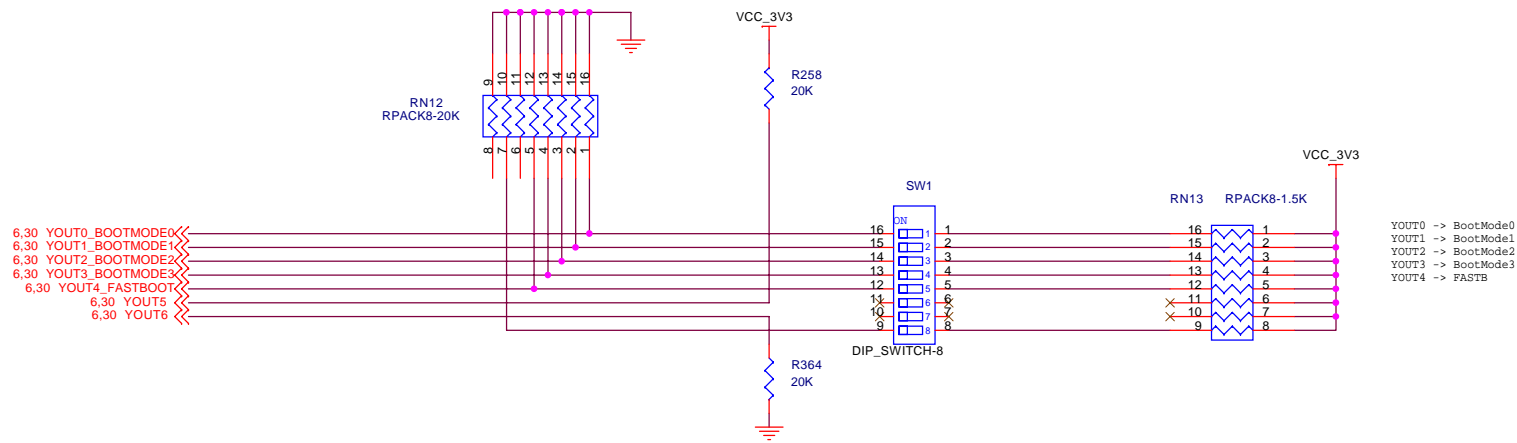


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Size: B	DWG NO	509102-0001	Revision: D
Date:	Monday, March 19, 2007	Sheet 7 of 34	

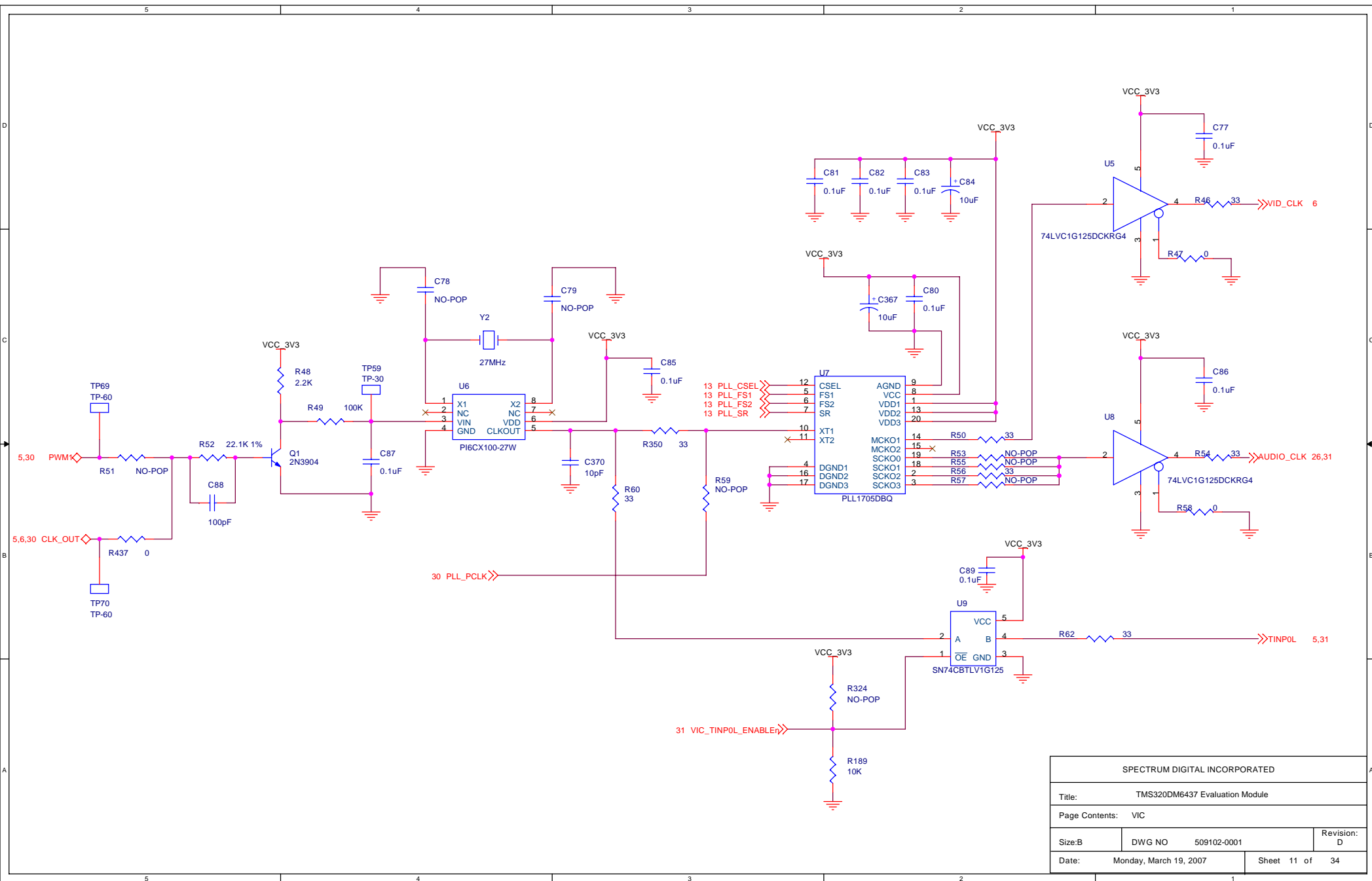




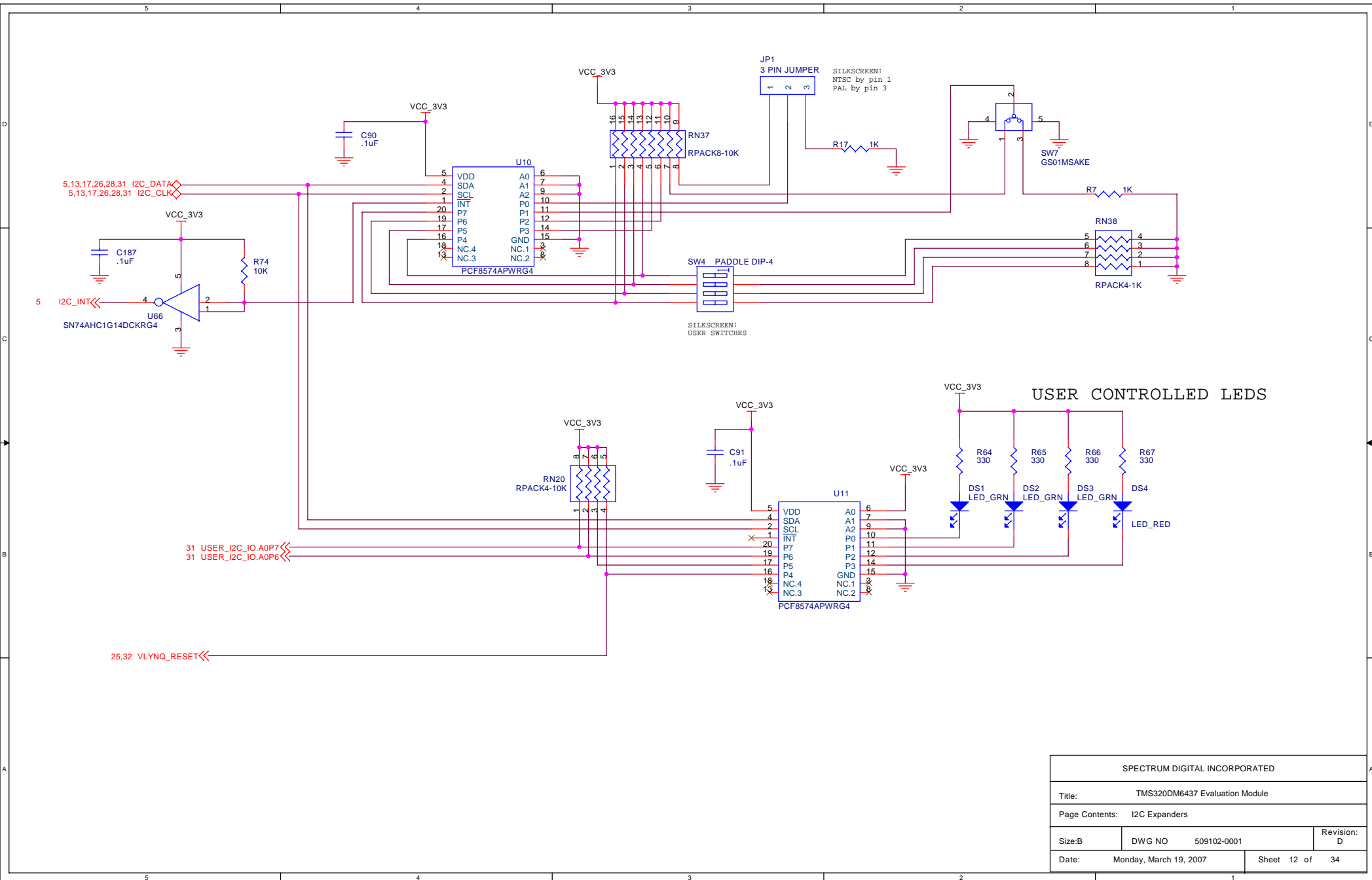




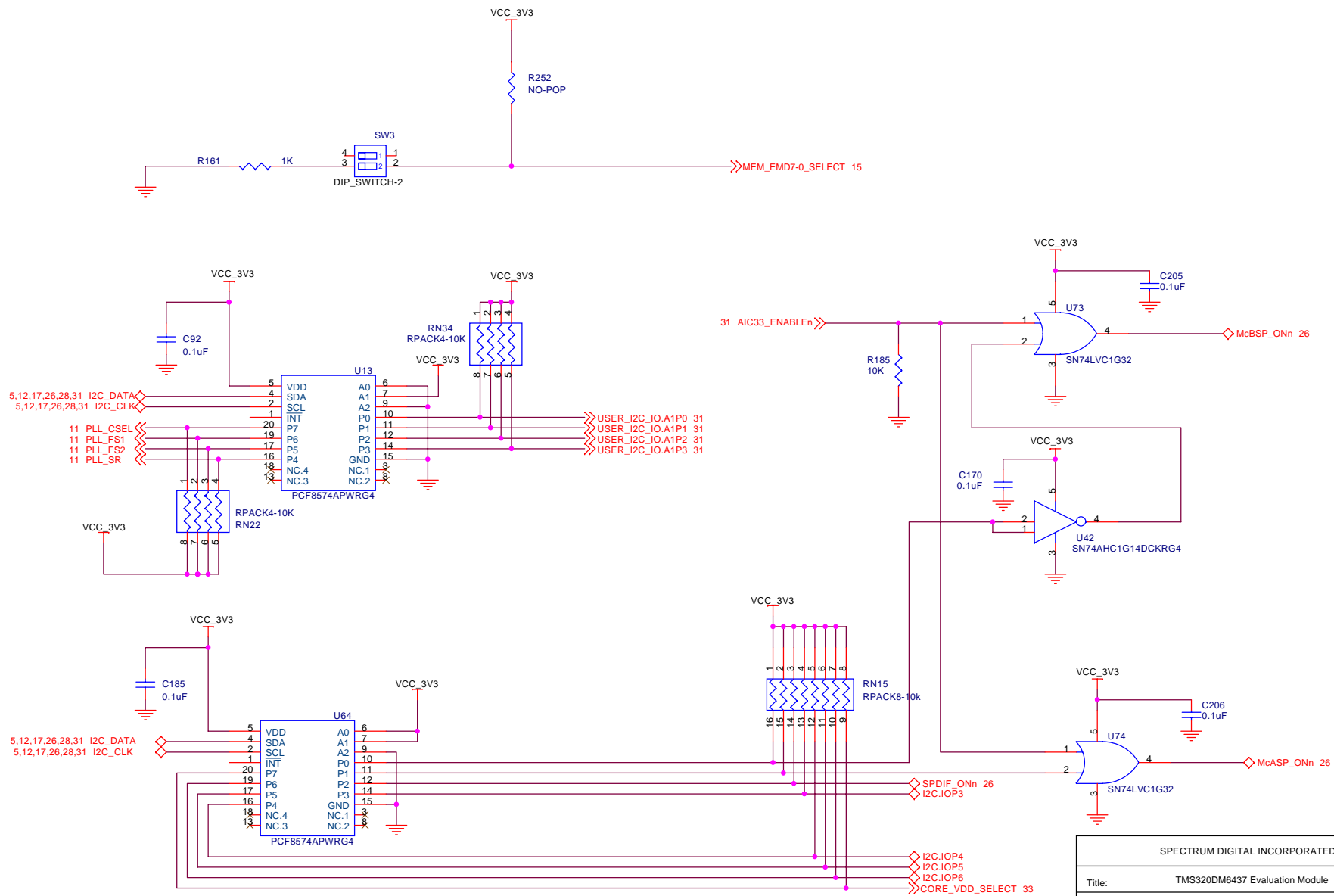
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Page Contents: Boot DIP Switches			
Size: B	DWG NO	509102-0001	Revision: D
Date:	Monday, March 19, 2007	Sheet 10 of	34



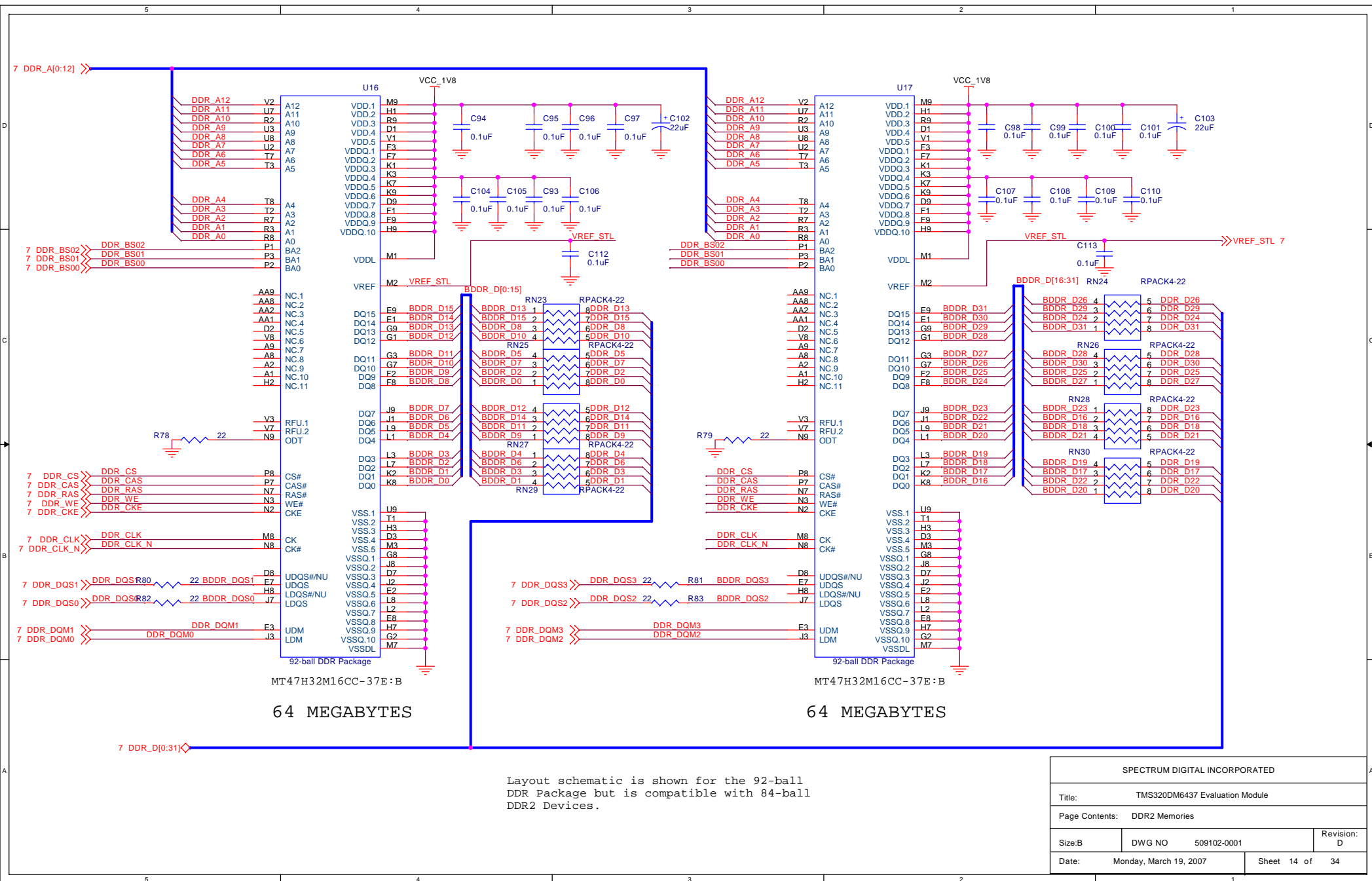
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Title: TMS320DM6437 Evaluation Module			
Page Contents: VIC			
Size: B	DWG NO	509102-0001	Revision: D
Date:	Monday, March 19, 2007	Sheet 11 of 34	

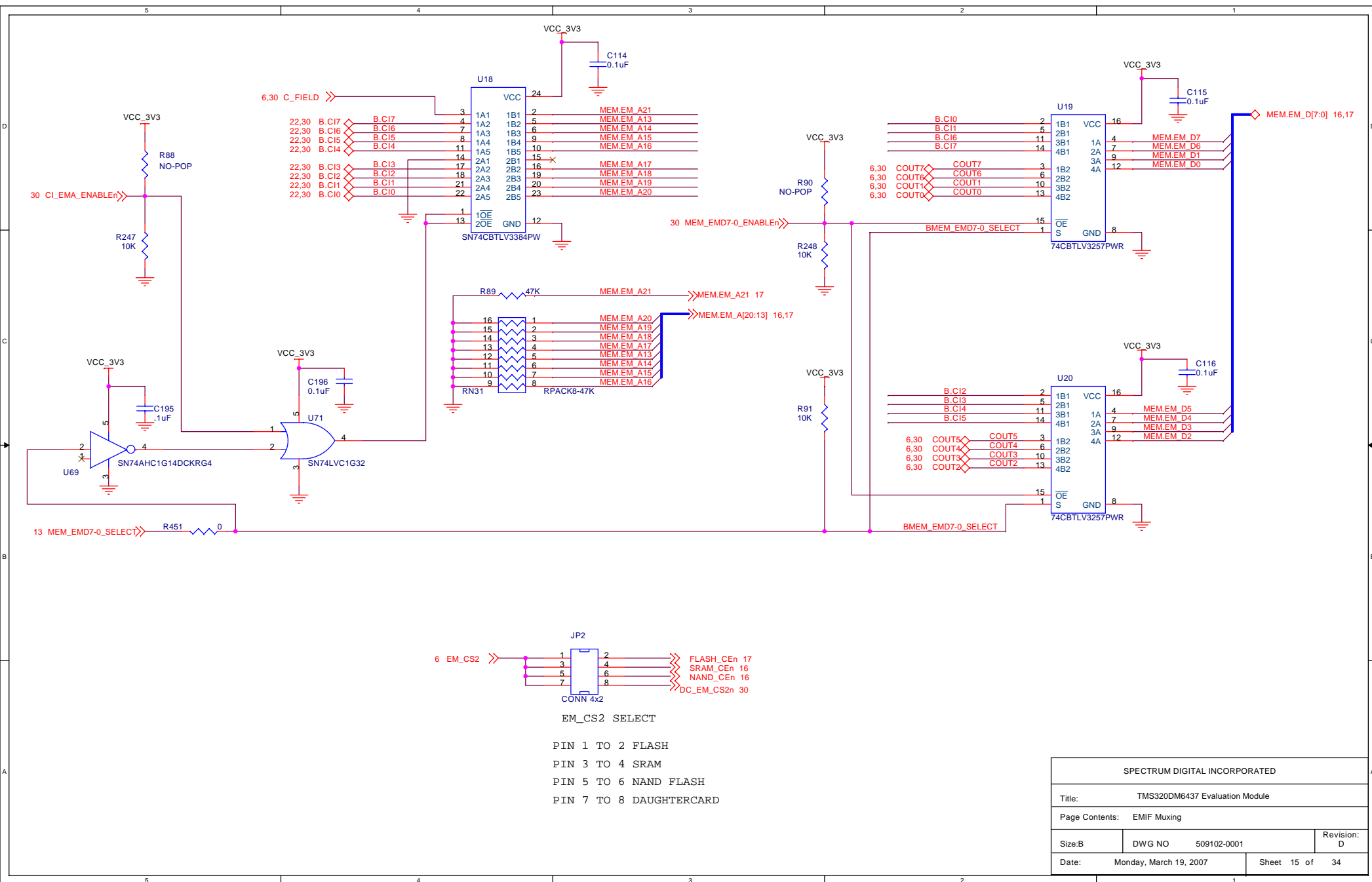


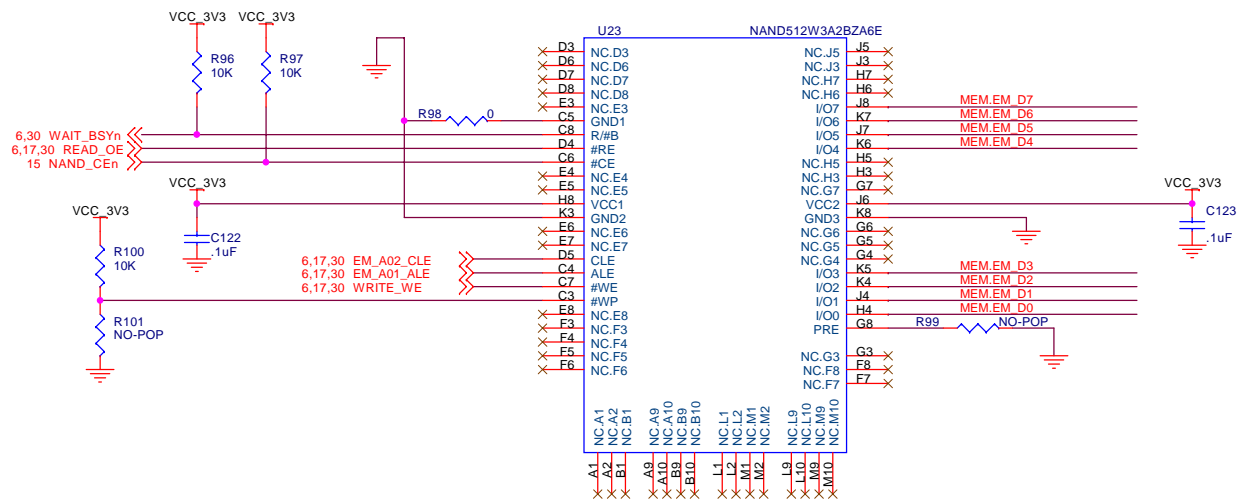
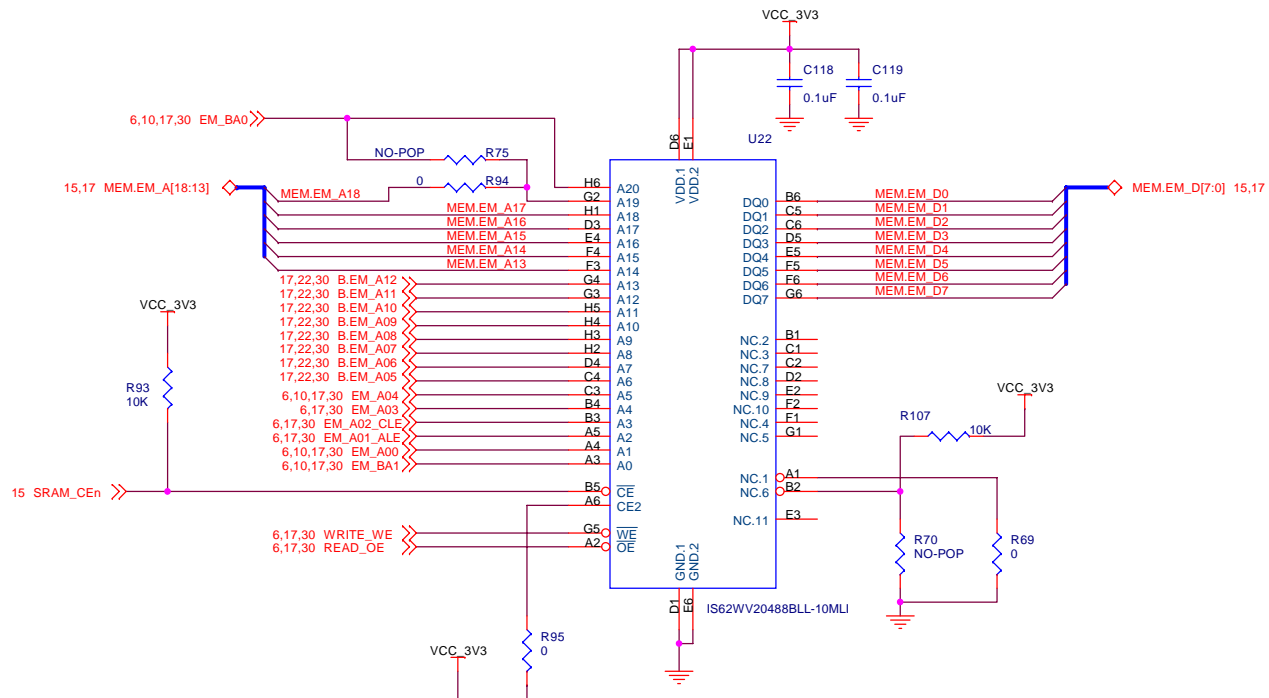
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Title: TMS320DM6437 Evaluation Module			
Page Contents: I2C Expanders			
Size: B	DWG NO	509102-0001	Revision: D
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SPECTRUM DIGITAL INCORPORATED			
Title: TMS320DM6437 Evaluation Module			
Page Contents: I2C Expanders			
Size: B	DWG NO	509102-0001	Revision: D
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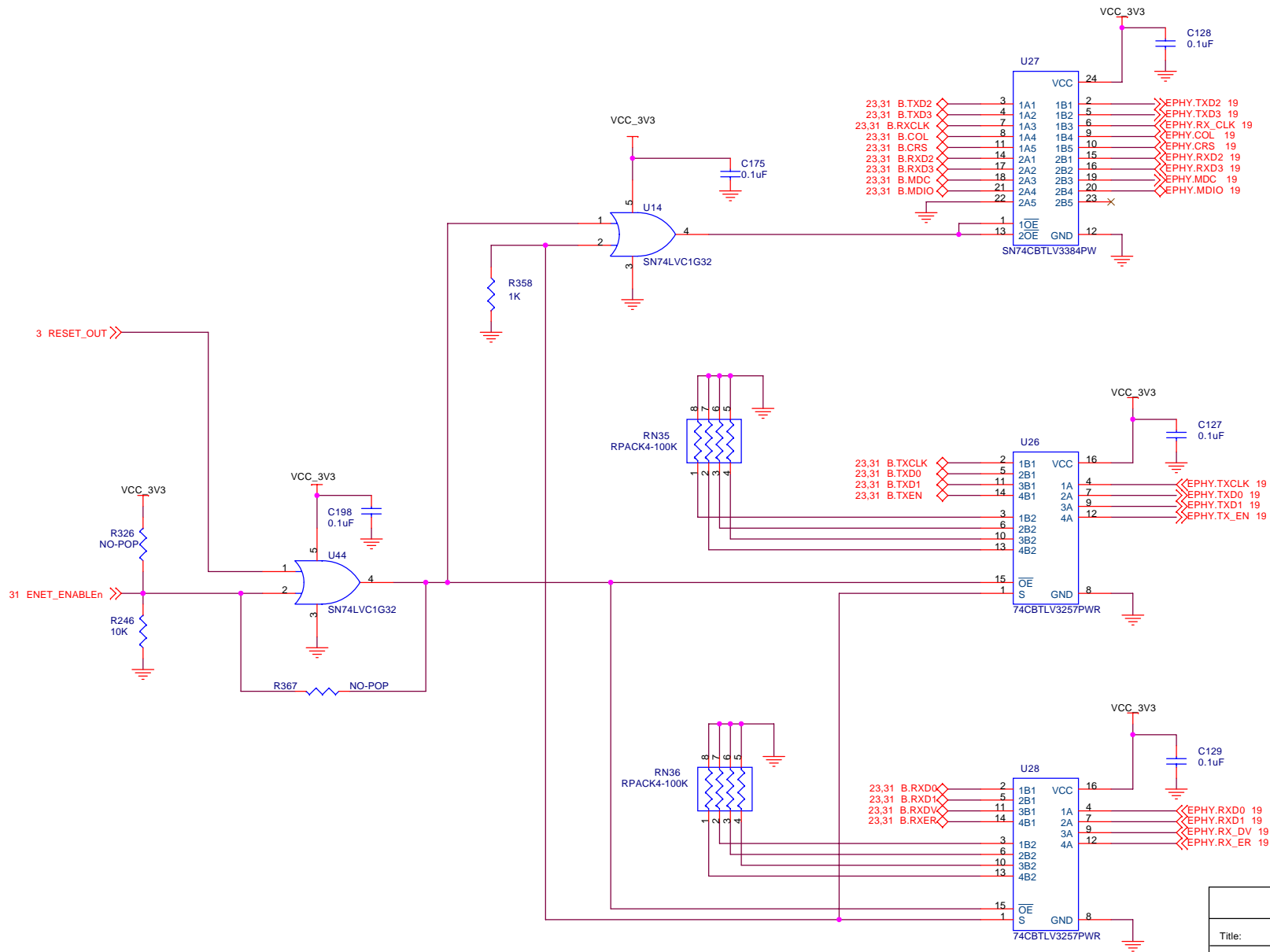


CE DON'T CARE DEVICE

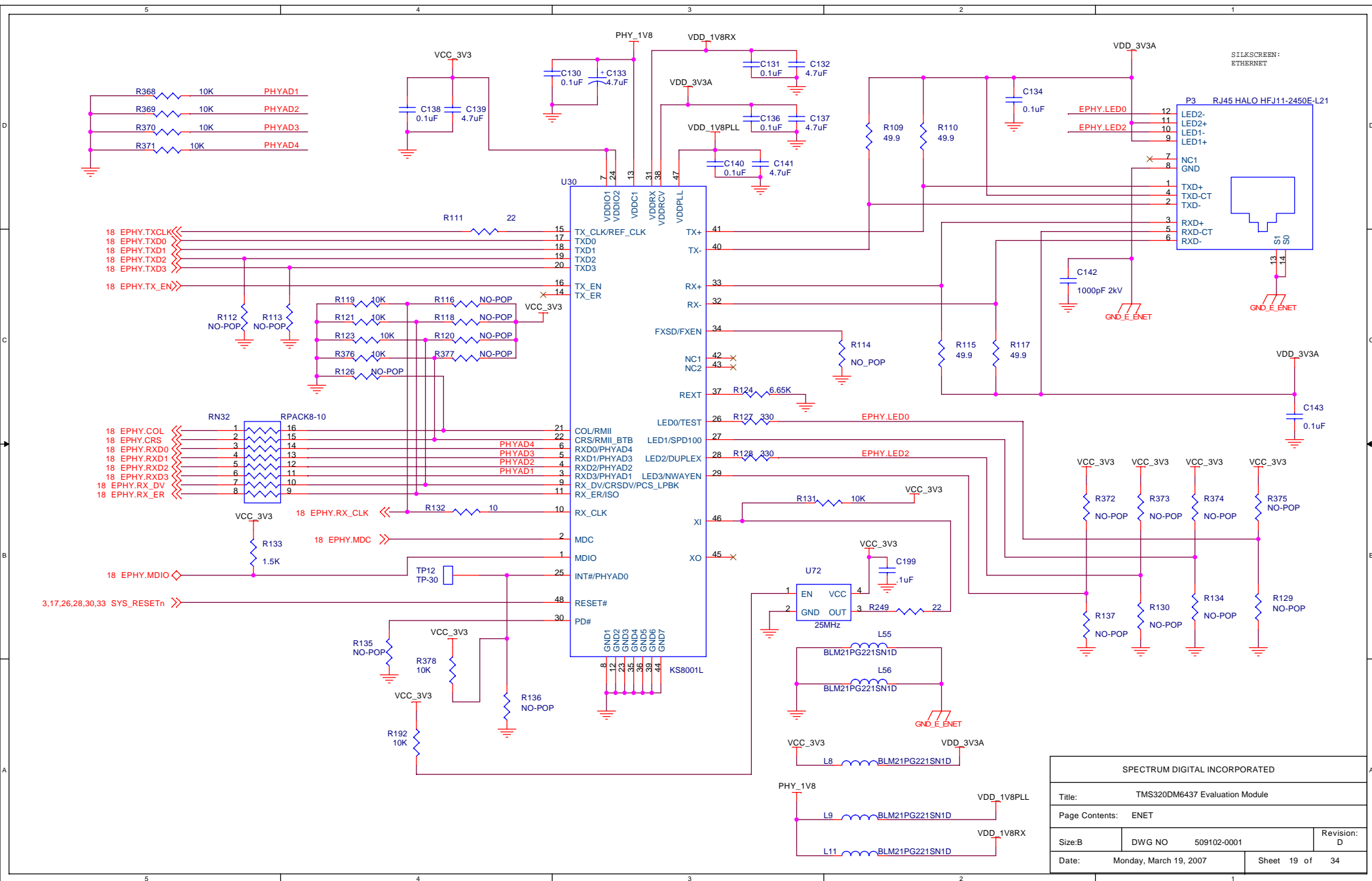
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Title: TMS320DM6437 Evaluation Module			
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Size: B	DWG NO	509102-0001	Revision: D
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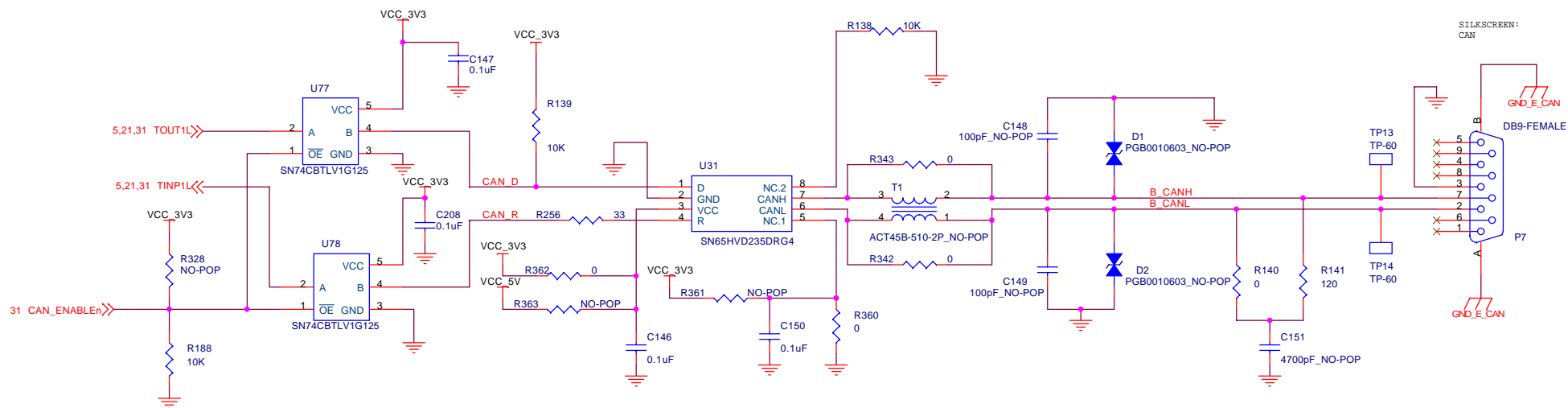




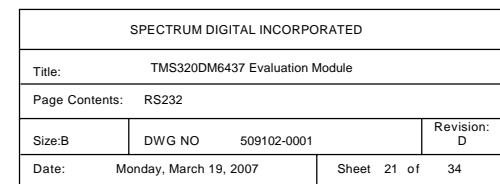


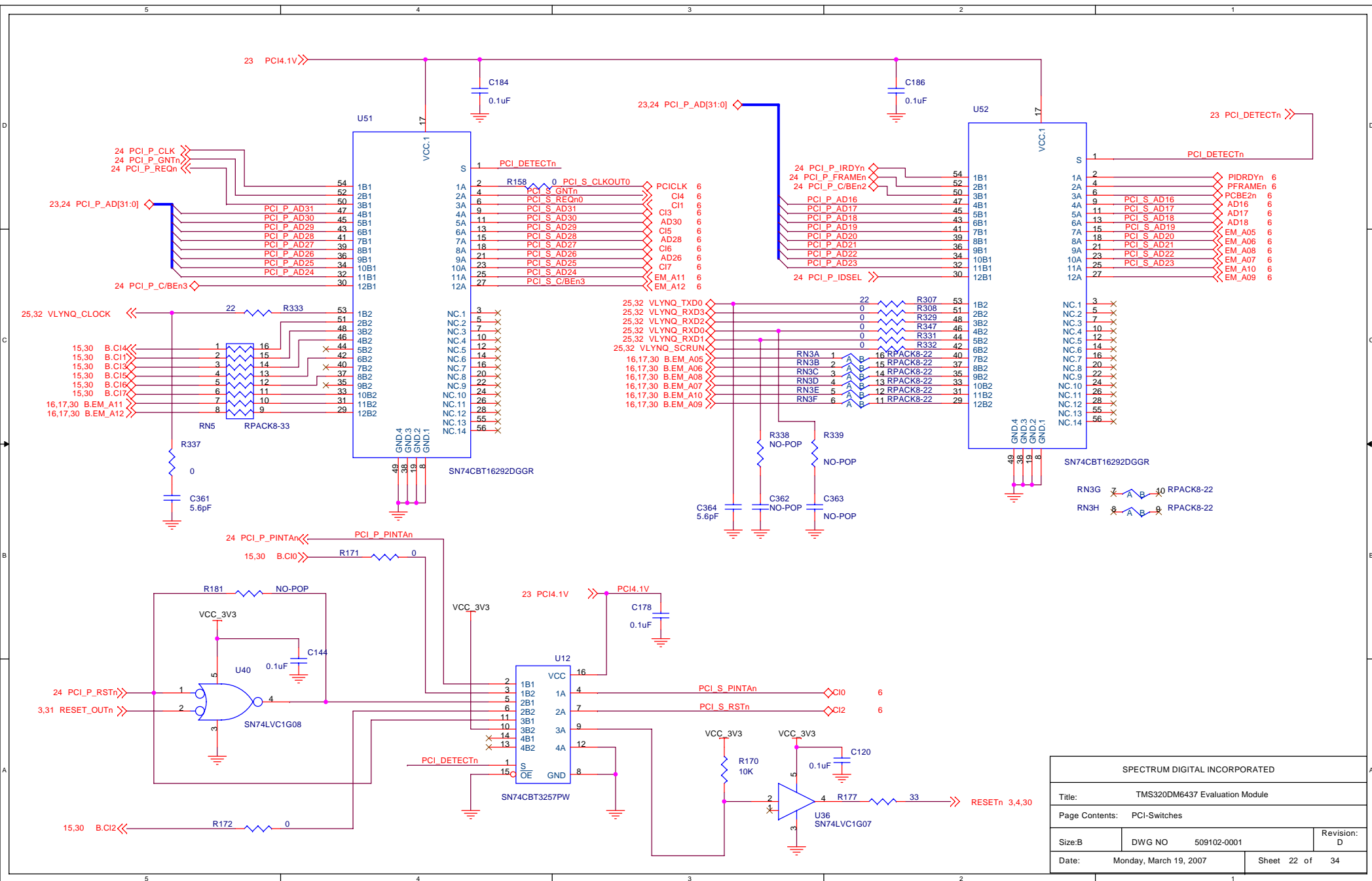
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Title: TMS320DM6437 Evaluation Module			
Page Contents: ENET Muxing			
Size: B	DWG NO	509102-0001	Revision: D
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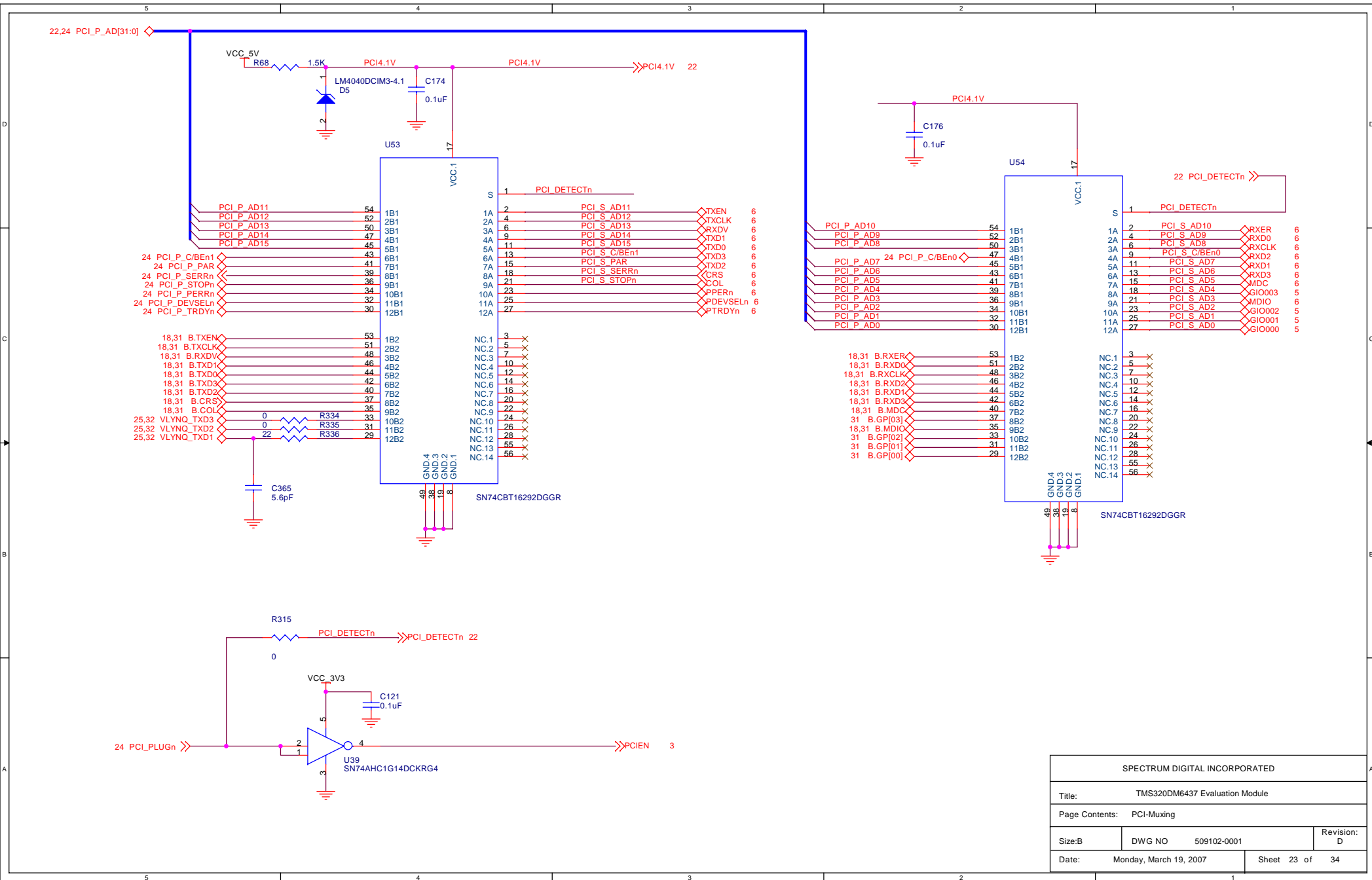


Texas Instruments			
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Page Contents: CAN			
Size: B	DWG NO	509102-0001	Revision: D
Date:	Monday, March 19, 2007		Sheet 20 of 34

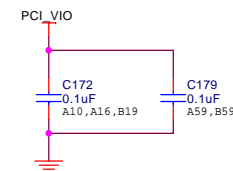
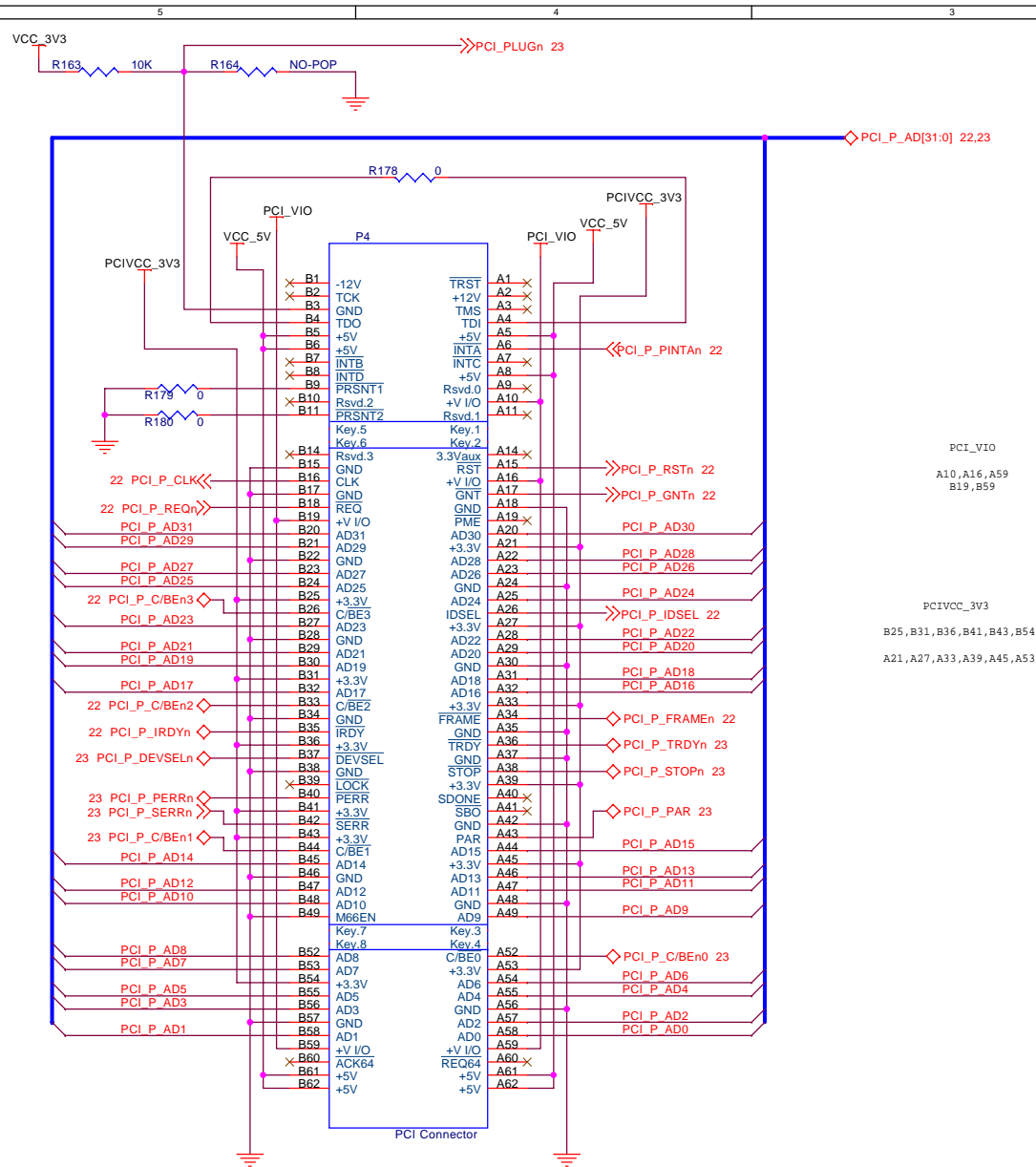




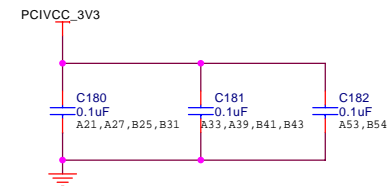
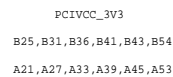
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Page Contents: PCI-Switches			
Size: B	DWG NO	509102-0001	Revision: D
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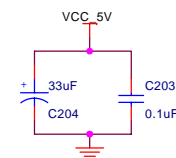
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Title: TMS320DM6437 Evaluation Module			
Page Contents: PCI-Muxing			
Size: B	DWG NO	509102-0001	Revision: D
Date:	Monday, March 19, 2007	Sheet 23 of	34



Length to Cap no greater that 0.25 inches  
Trace size to cap 20 mil  
Any number of pin shares as long as does not exceed length



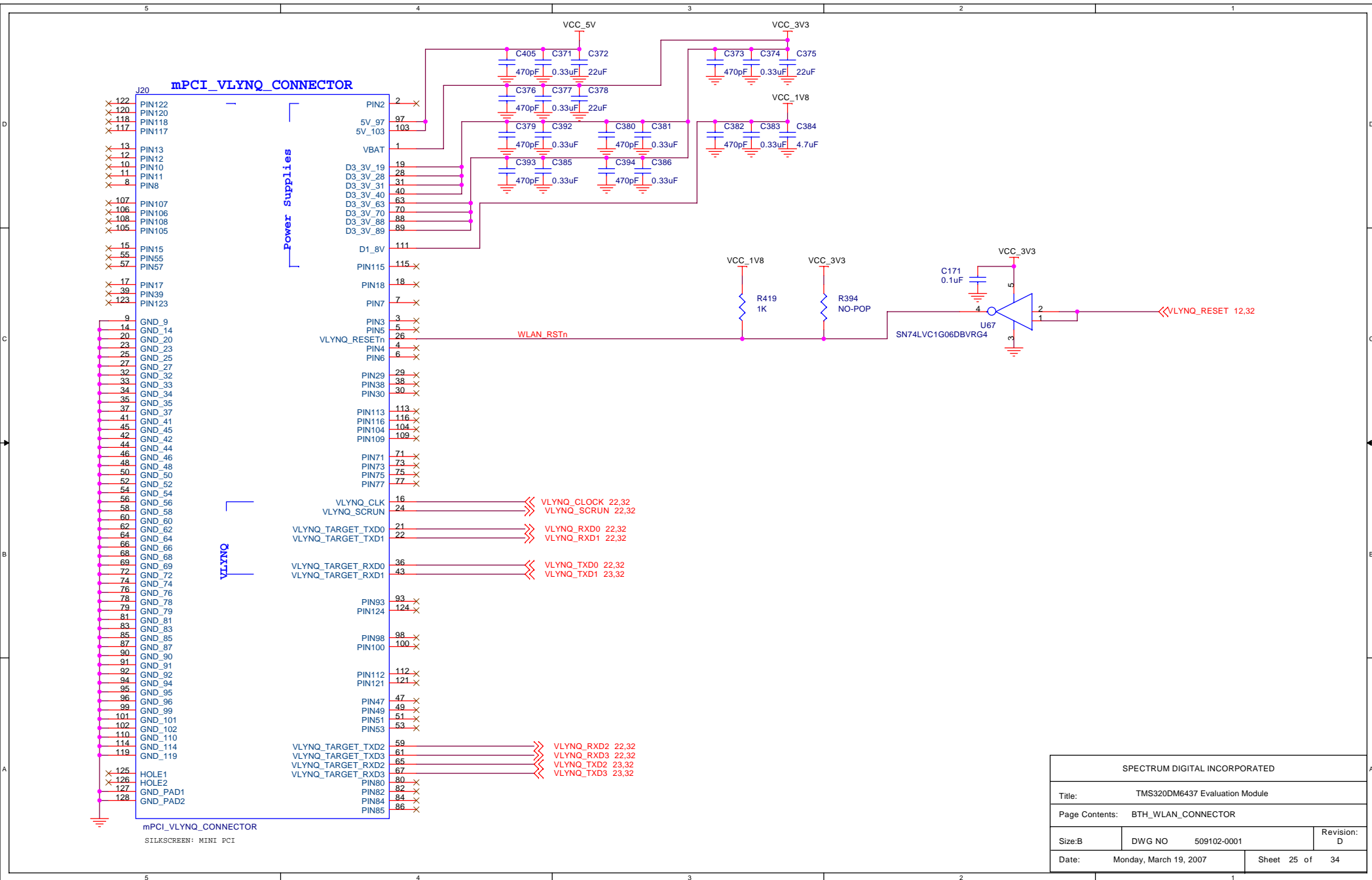
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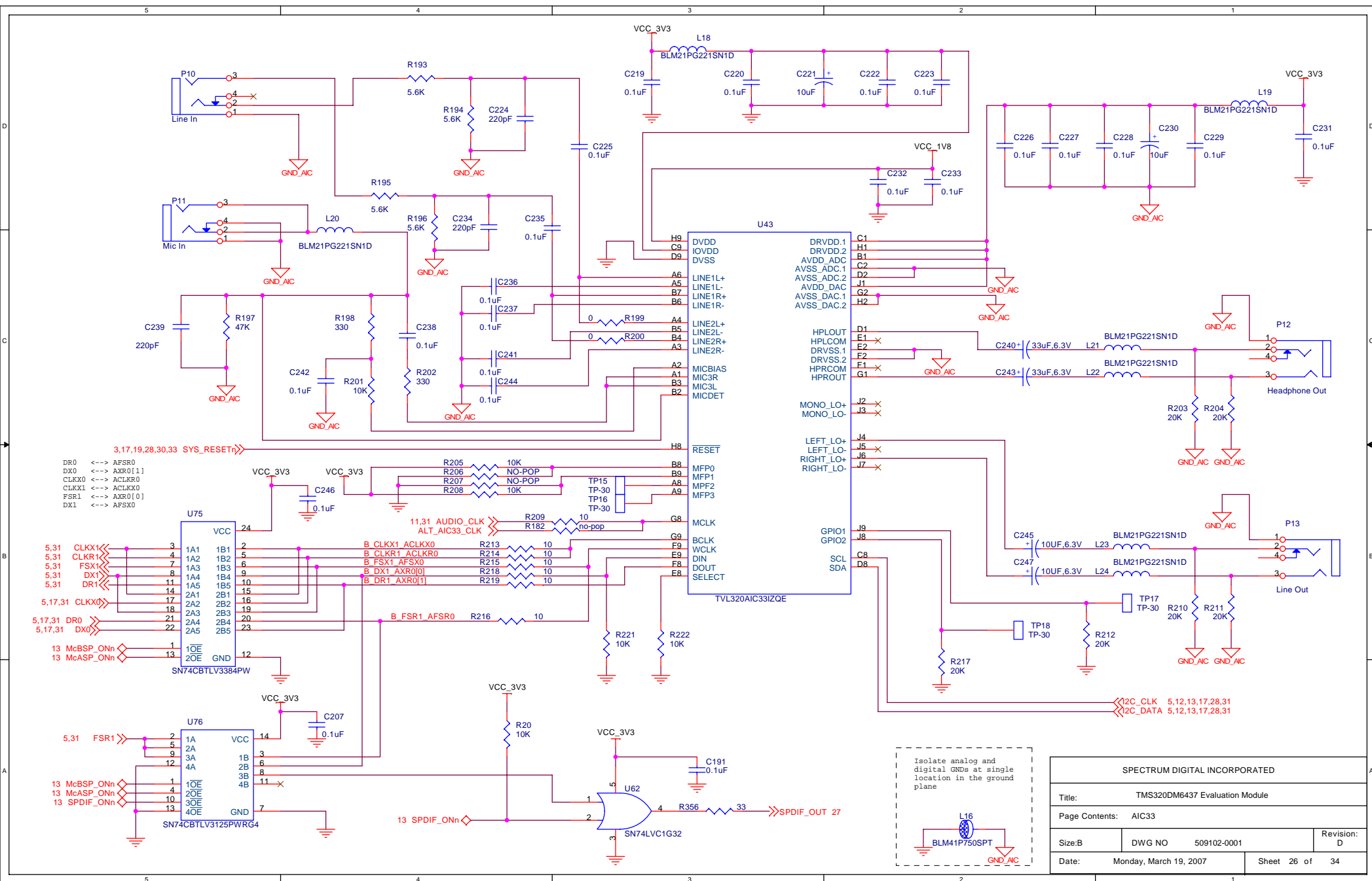
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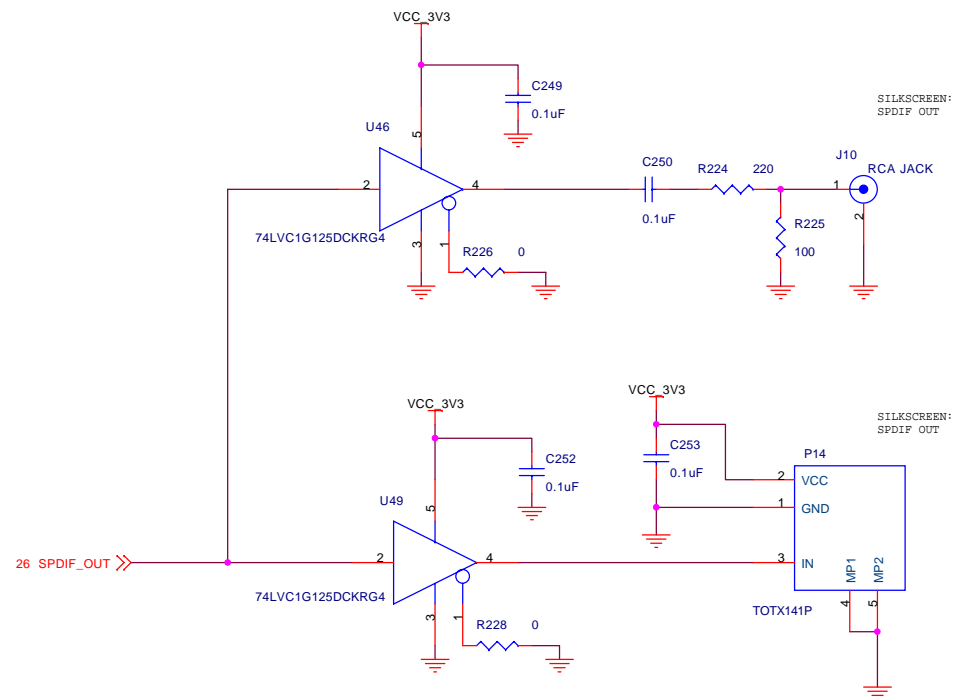
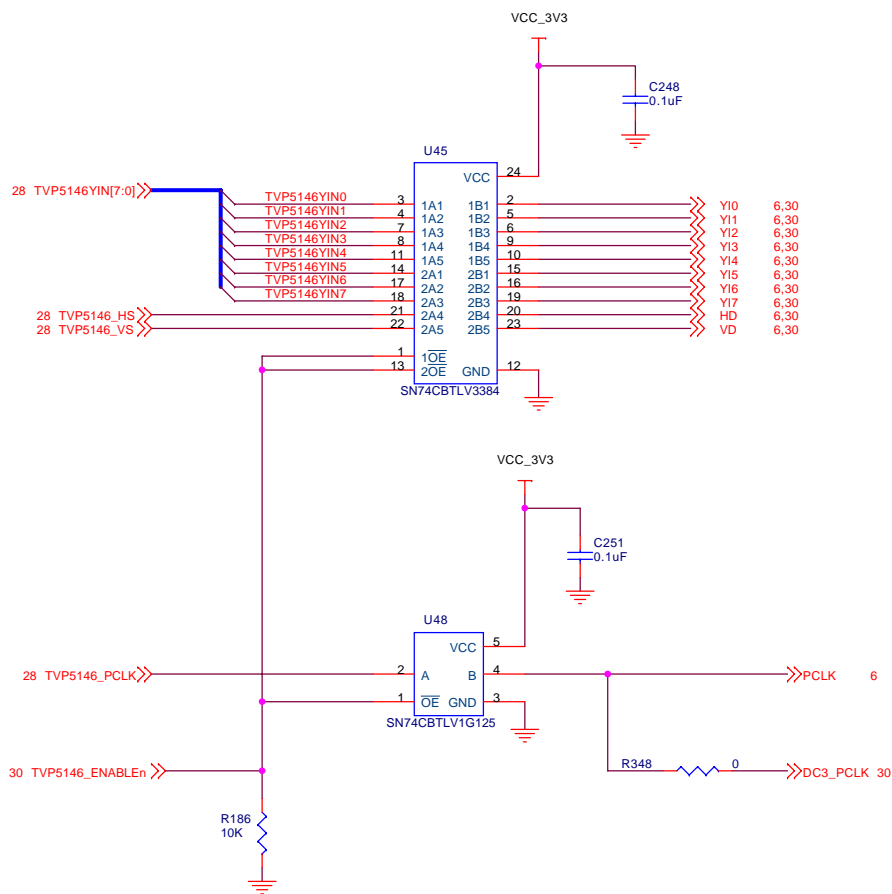
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Title: TMS320DM6437 Evaluation Module			
Page Contents: PCI-Connector			
Size: B	DWG NO	509102-0001	Revision: D
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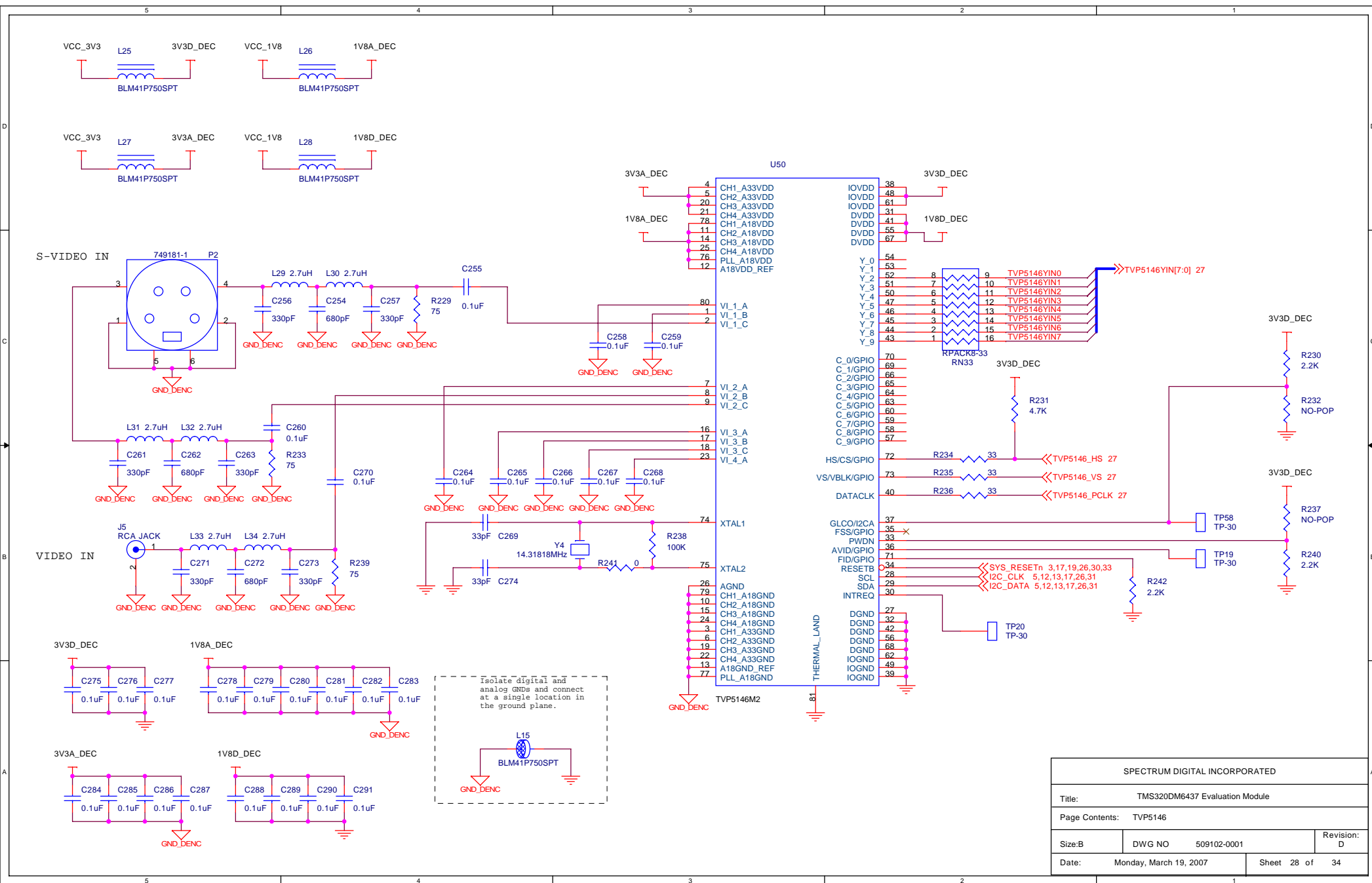


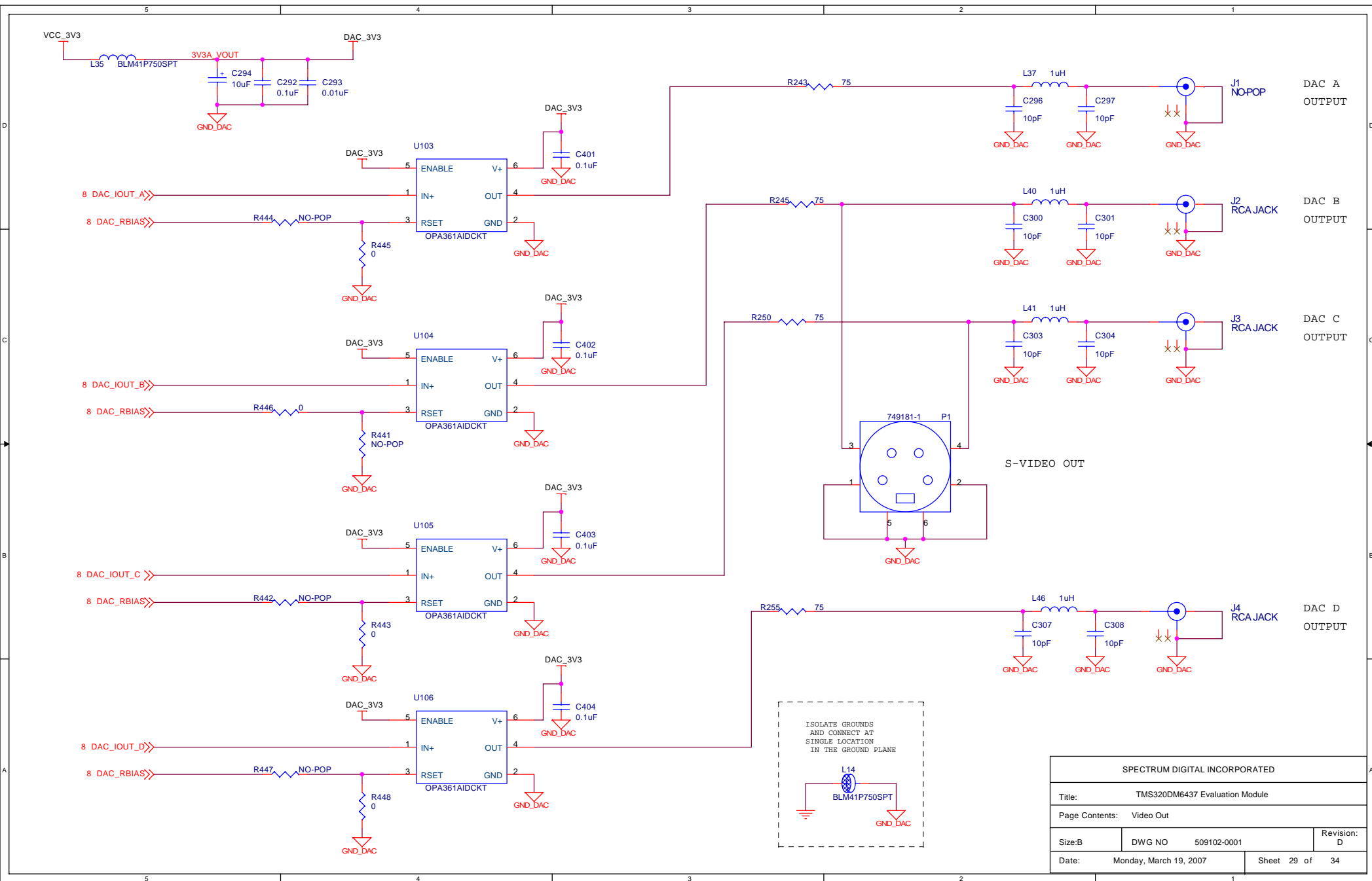
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Title: TMS320DM6437 Evaluation Module			
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Size: B	DWG NO	509102-0001	Revision: D
Date:	Monday, March 19, 2007		Sheet 25 of 34



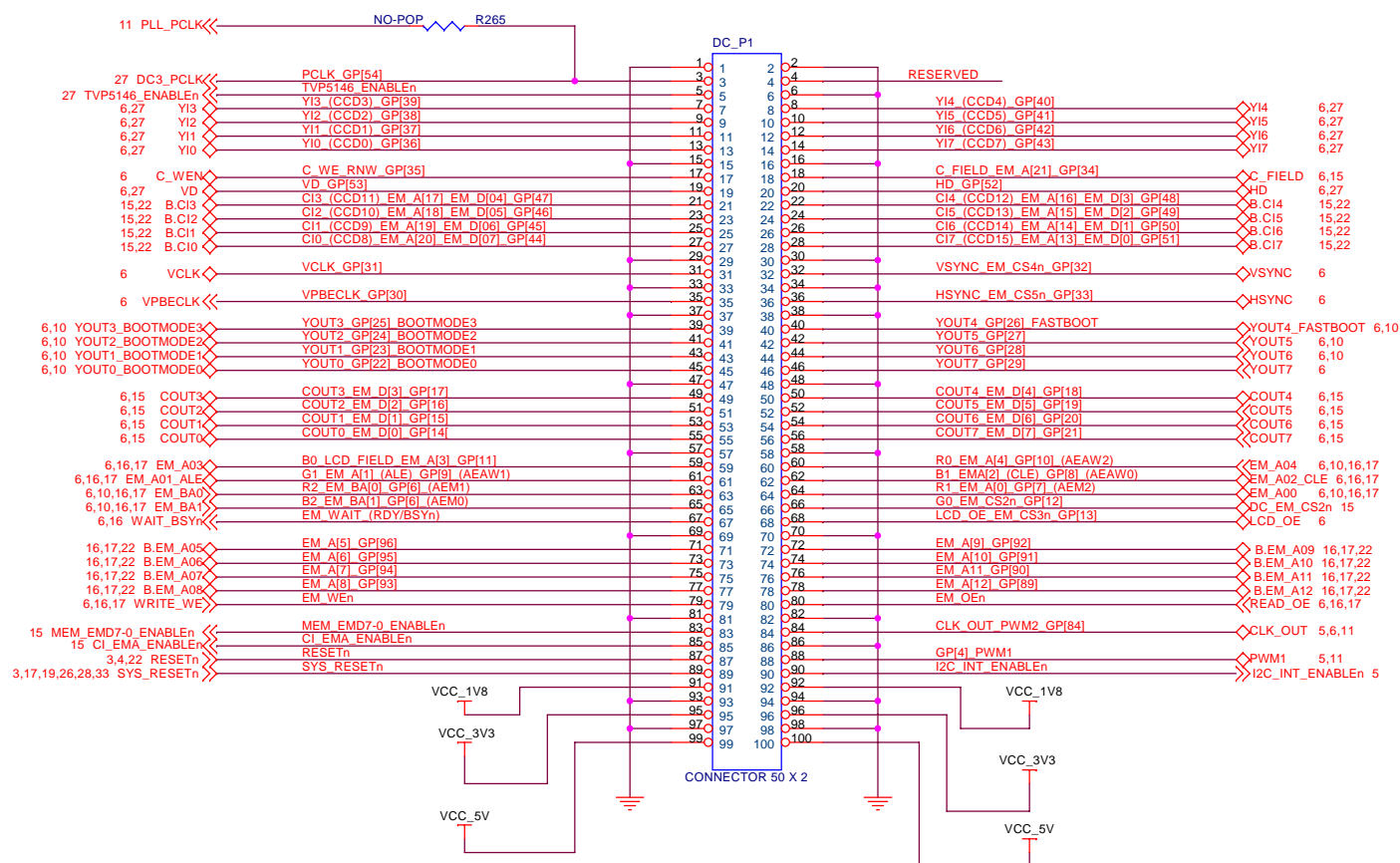


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Page Contents: SPDIF/TVP5146-Switch			
Size: B	DWG NO	509102-0001	Revision: D
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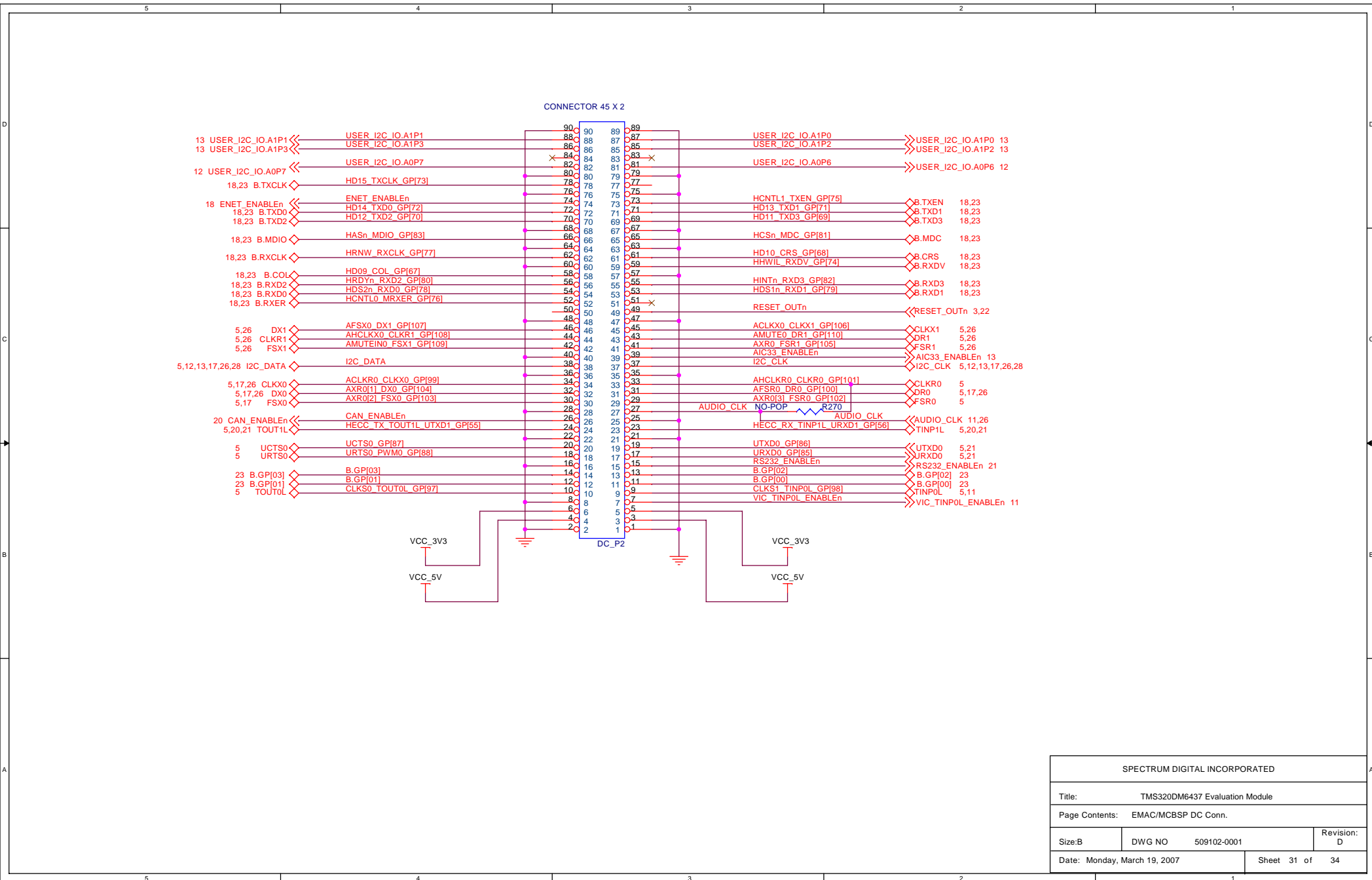


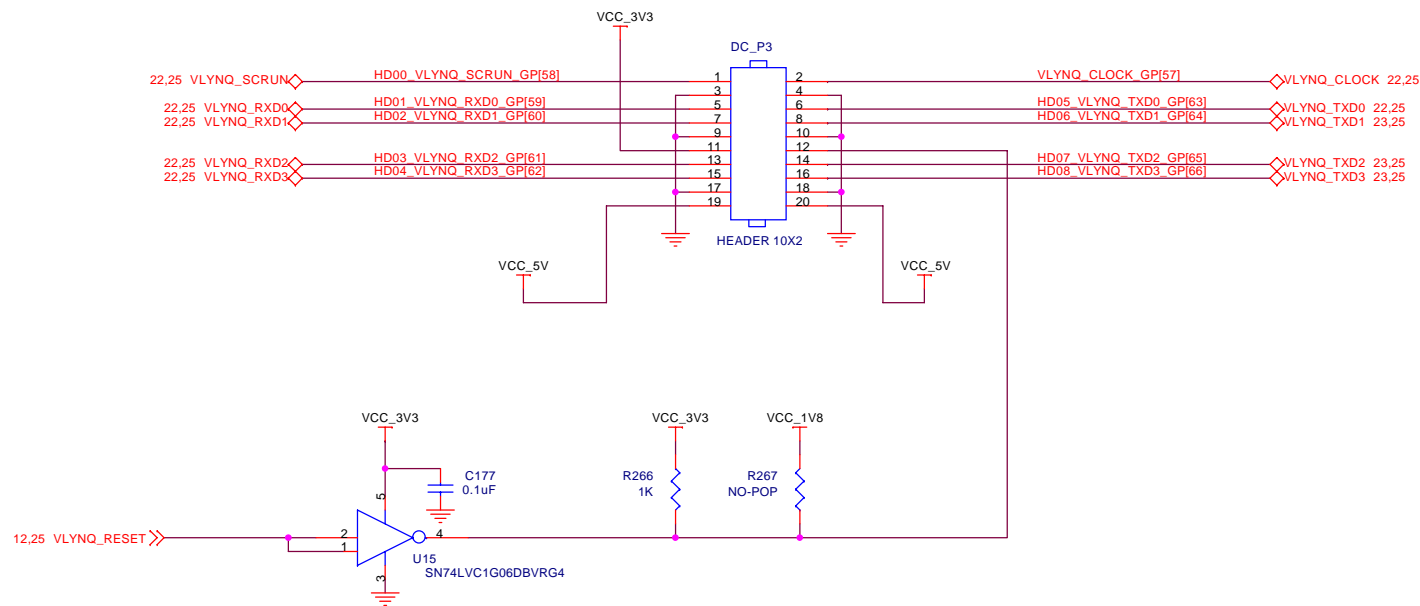


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Page Contents: Video Out			
Size: B	DWG NO	509102-0001	Revision: D
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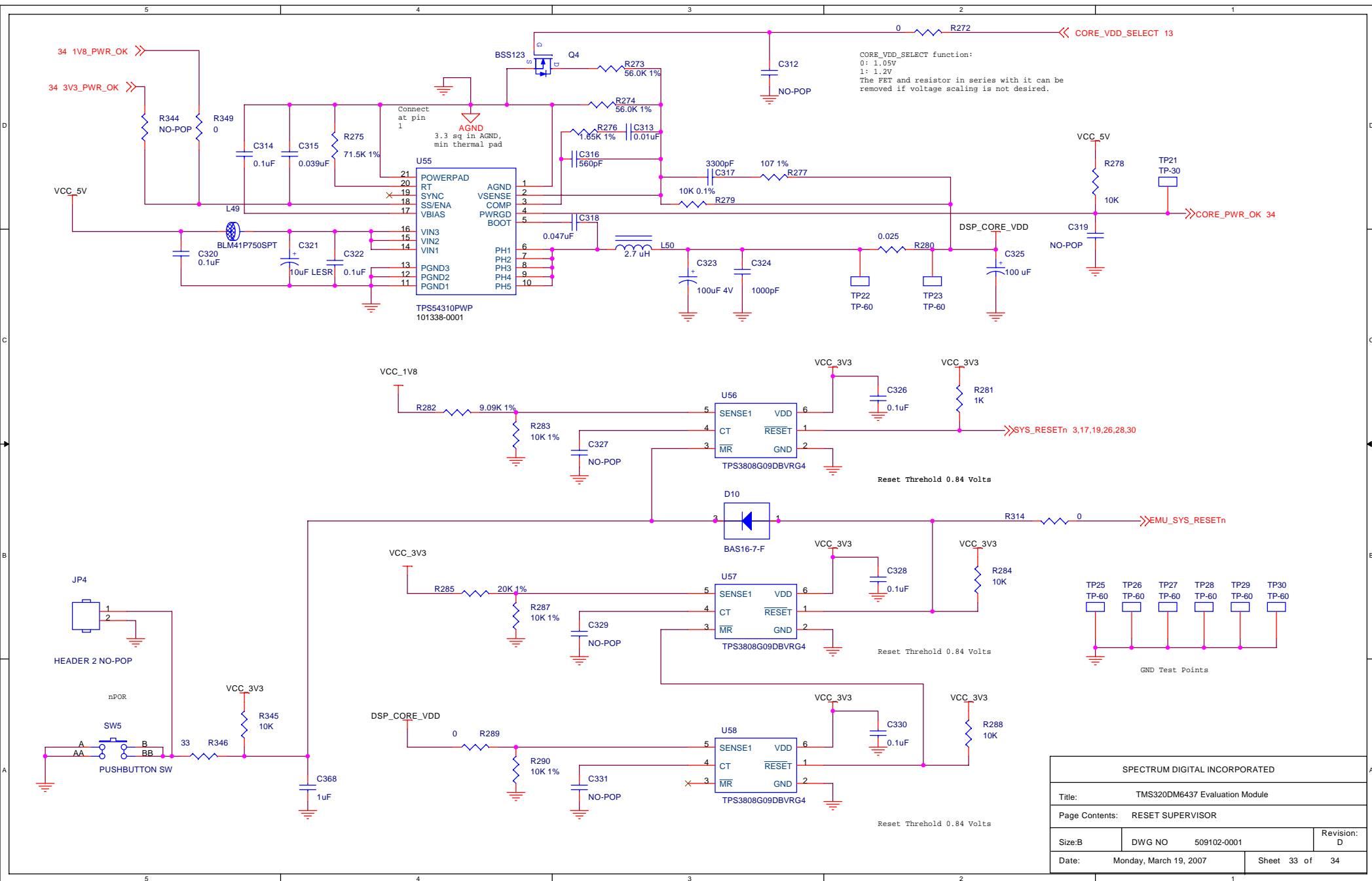
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Page Contents: VIDEO DC Conn.			
Size: B	DWG NO	509102-0001	Revision: D
Date:	Monday, March 19, 2007	Sheet	30 of 34

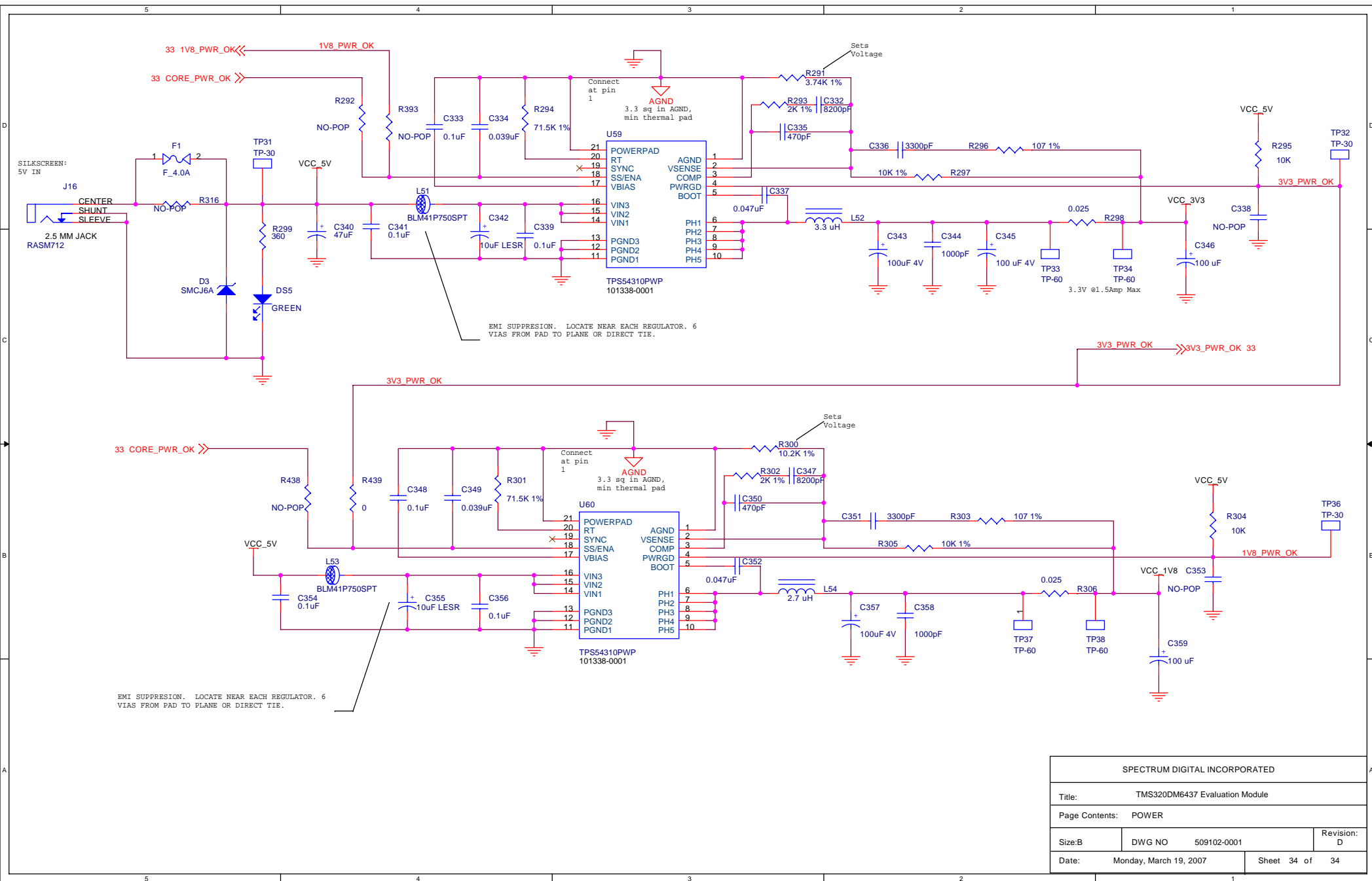




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Title: TMS320DM6437 Evaluation Module			
Page Contents: VLYNQ/EMIF DC Conn.			
Size: B	DWG NO	509102-0001	Revision: D
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SPECTRUM DIGITAL INCORPORATED			
Title: TMS320DM6437 Evaluation Module			
Page Contents: POWER			
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