

NOTES, UNLESS OTHERWISE SPECIFIED:

1. RESISTANCE VALUES IN OHMS.
2. CAPACITANCE VALUES IN MICROFARADS.
3. REFERENCE DESIGNATORS USED:
4. ALL 0.1 uF AND 0.01uF CAPACITORS ARE DECOUPLING CAPS UNLESS OTHERWISE NOTED. THEY ARE SHOWN ON THE PAGE WITH THE INTEGRATED CIRCUITS THEY SHOULD BE PLACED NEAR.

REV	DESCRIPTION	DATE	APPROVED
A	Initial schematic for layout	1/10/2011	RRP
B	BETA UPDATES	6/19/2011	RRP
C	PRODUCTION UNITS	7/19/2011	RRP

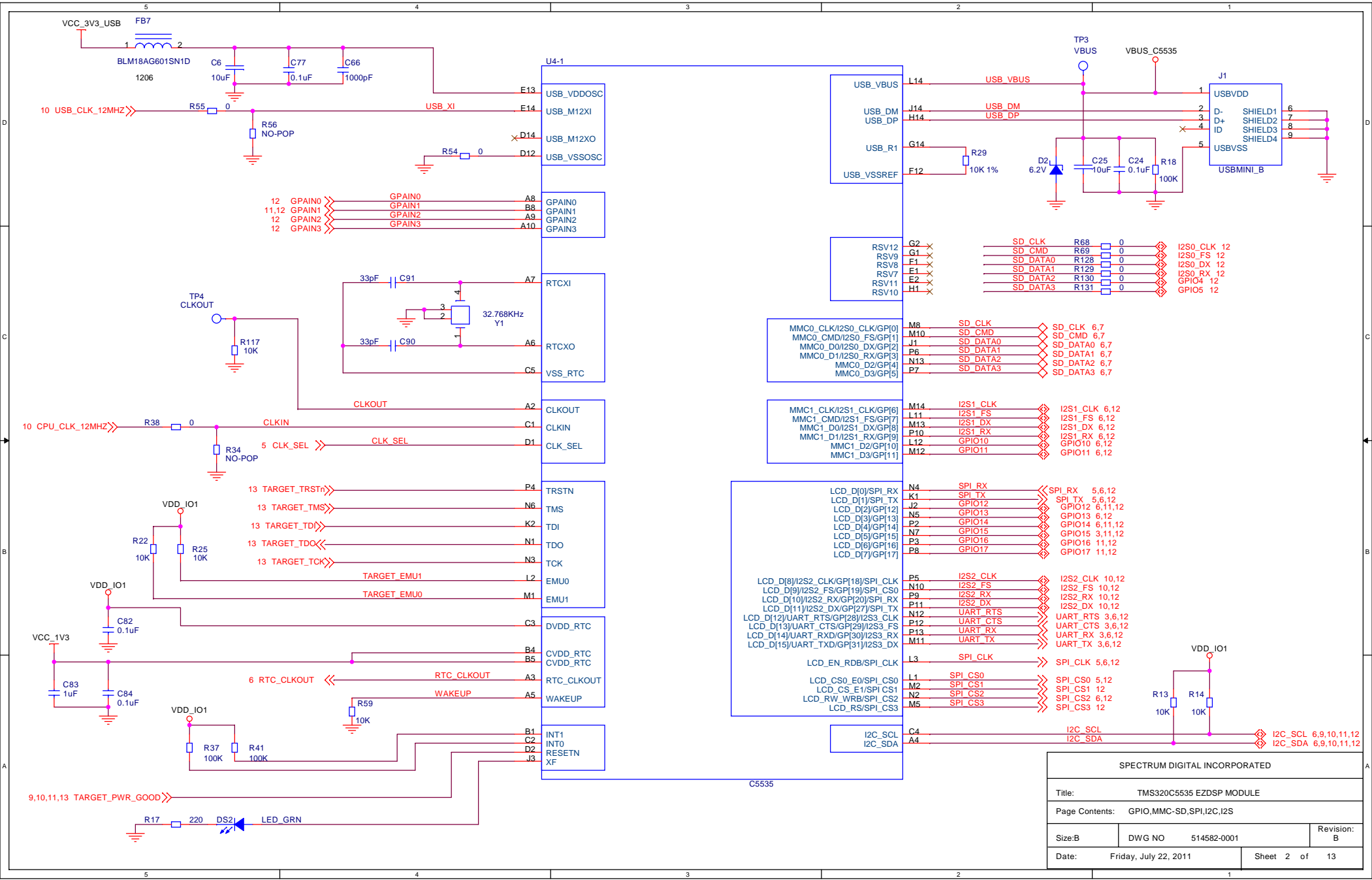
SCHMATIC CONTENTS

- 01 - TITLE PAGE
- 02 - TMS320C5535 IO
- 03 - UART BUFFER
- 04 - TMS320C5535 POWER
- 05 - SPI FLASH
- 06 - CC BOARD INTERFACE
- 07 - MICRO SD INTERFACE
- 08 - POWER SUPPLIES
- 09 - AUDIO CODEC
- 10 - LCD/USER LEDS/SWITCHES
- 11 - EXPANSION CONNECTOR
- 12 - XDS100-v2 INTERFACE

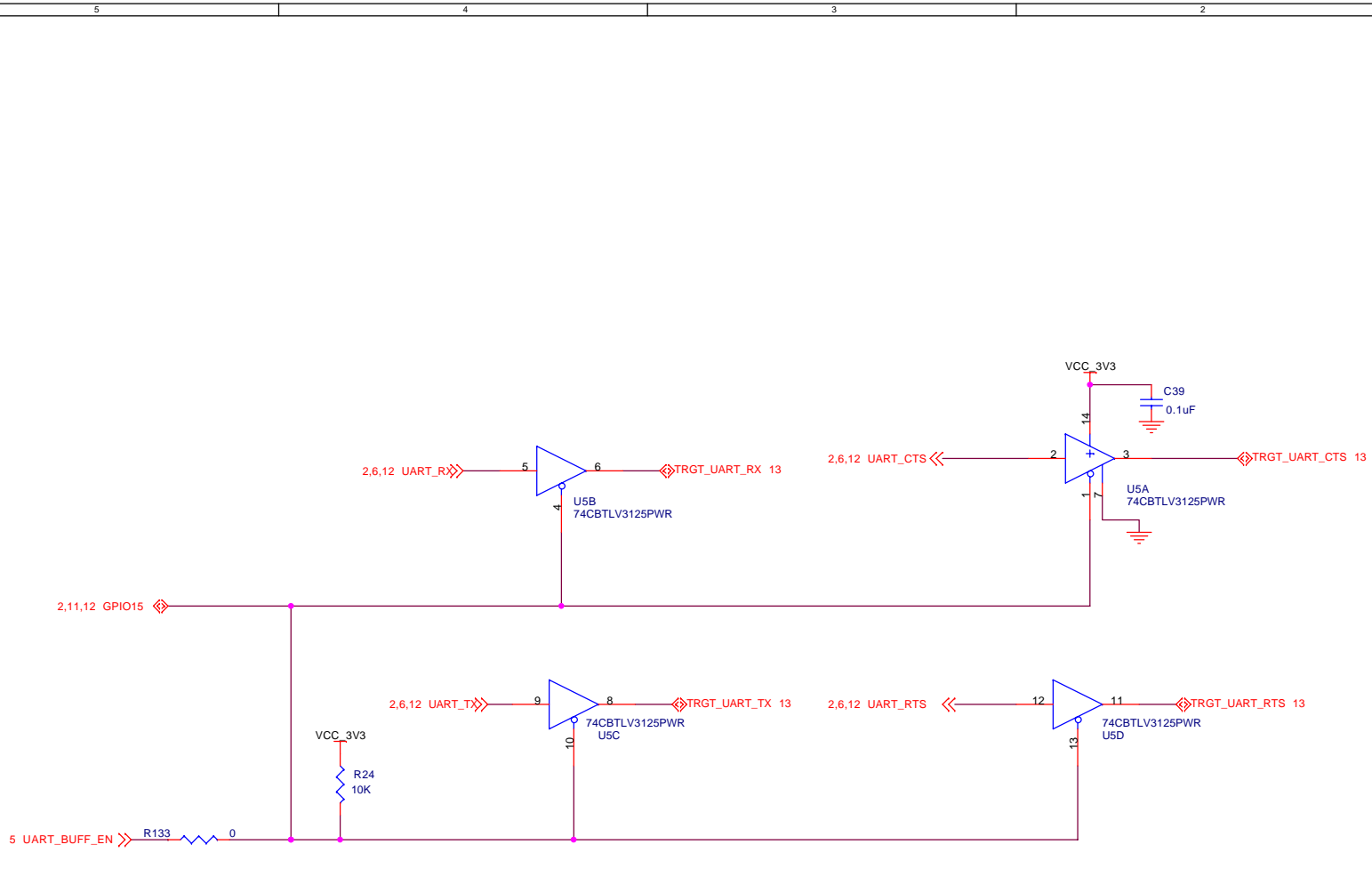
REVISION STATUS OF SHEETS

REV	SHEET	1	2	3	4	5	6	7	8	9	10	APPLICATION	USED ON	DATE
														DWN
														R.R.P.
														10/15/2009
														CHK
														T.W.K.
														10/15/2009
														ENGR
														R.R.P.
														10/15/2009
														ENGR-MGR
														R.R.P.
														10/15/2009
														QA
														C.M.D.
														10/15/2009
														MFG
														R.R.P.
														10/15/2009
														RLSE
														R.R.P.
														10/15/2009

SPECTRUM DIGITAL INCORPORATED			
Title: TMS320C5535 EZDSP MODULE			
Page Contents: TITLE SHEET			
Size: B	DWG NO	514582-0001	Revision: C
Date: Tuesday, July 26, 2011		Sheet 1 of 13	

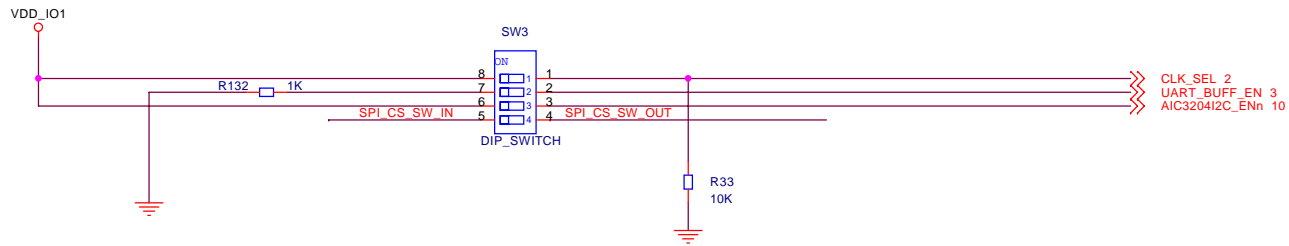
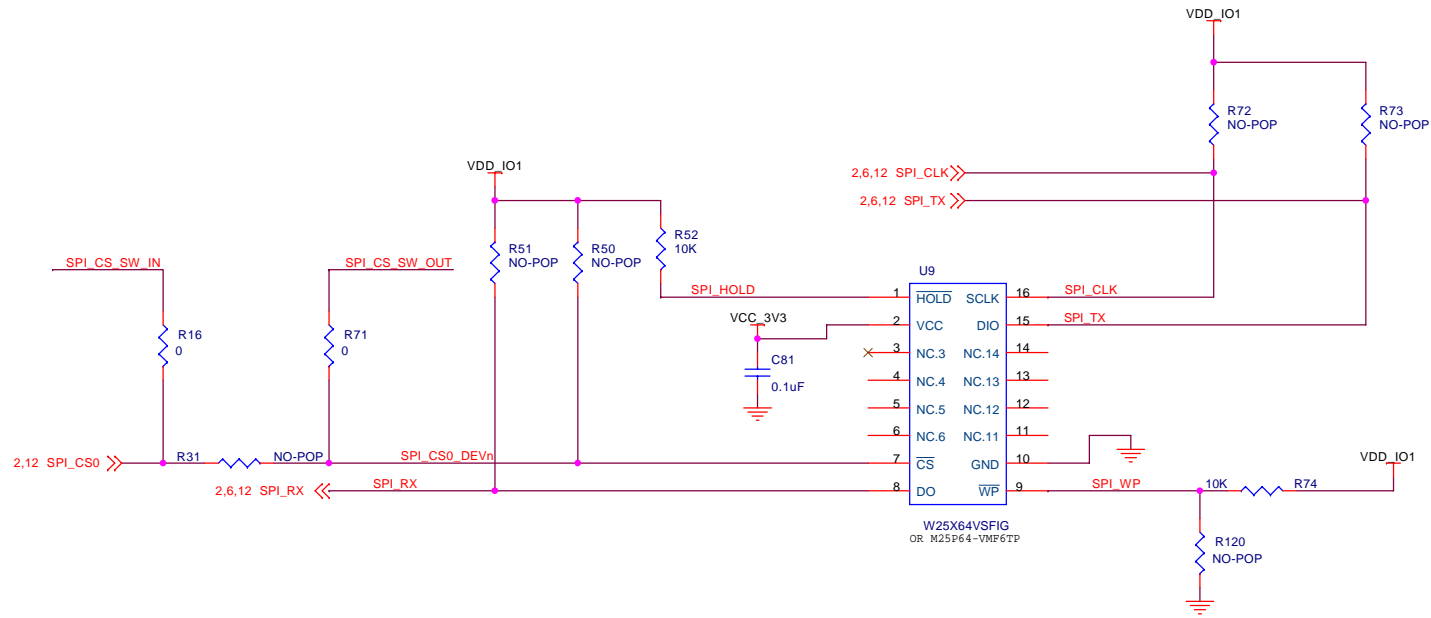


SPECTRUM DIGITAL INCORPORATED			
Title: TMS320C5535 EZDSP MODULE			
Page Contents: GPIO,MMC-SD,SPI,I2C,I2S			
Size: B	DWG NO	514582-0001	Revision: B
Date:	Friday, July 22, 2011	Sheet 2 of	13



SPECTRUM DIGITAL INCORPORATED			
Title: TMS320C5535 EZDSP MODULE			
Page Contents: UART BUFFER			
Size: B	DWG NO	514582-0001	Revision: A
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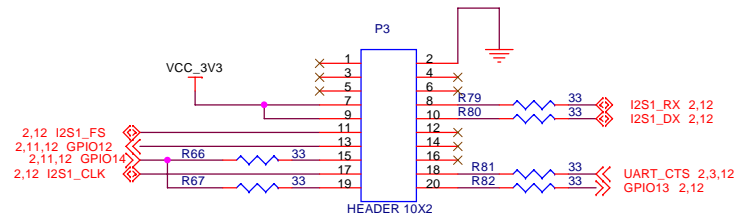
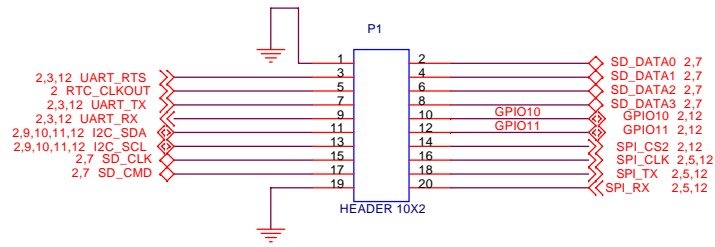




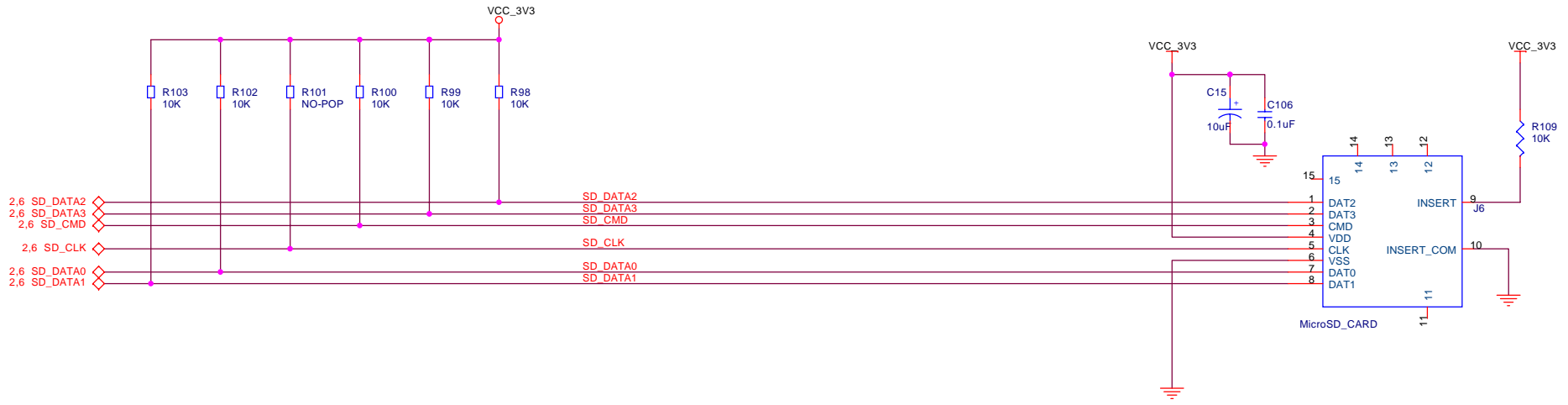
DIP Switch Defaults:  
 CLK\_SEL = OFF (pulled down)  
 UART\_BUFF\_EN = ON (pulled down)  
 AIC3204I2C\_ENn = OFF (pulled down)

SPECTRUM DIGITAL INCORPORATED			
Title: TMS320C5535 EZDSP MODULE			
Page Contents: SPI FLASH			
Size: B	DWG NO: 514582-0001	Revision: C	
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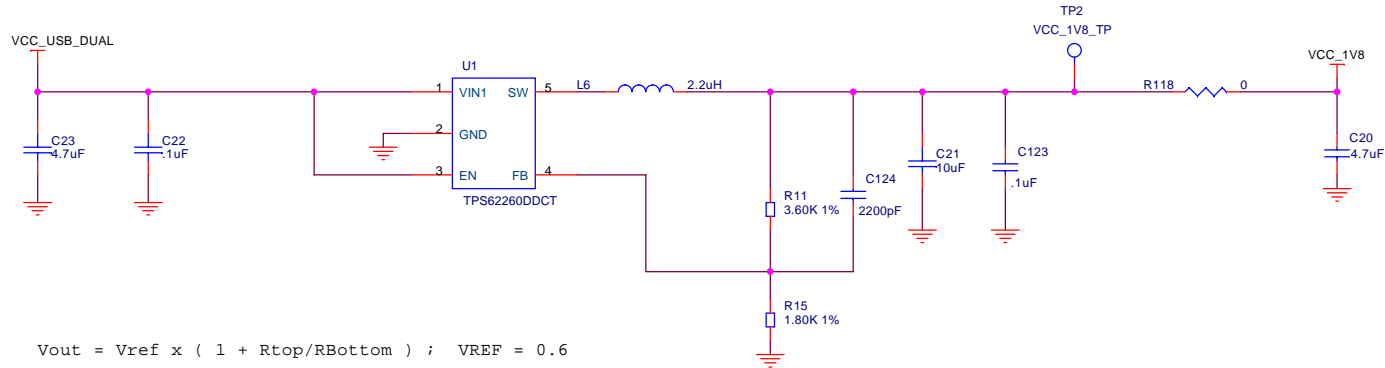
NOTE: DIMENSIONS AND LOCATIONS OF THESE CONNECTORS MUST MEET SPECIFICATION FOR INTERFACE MODULES



SPECTRUM DIGITAL INCORPORATED			
Title: TMS320C5535 EZDSP MODULE			
Page Contents: CC BOARD INTERFACE			
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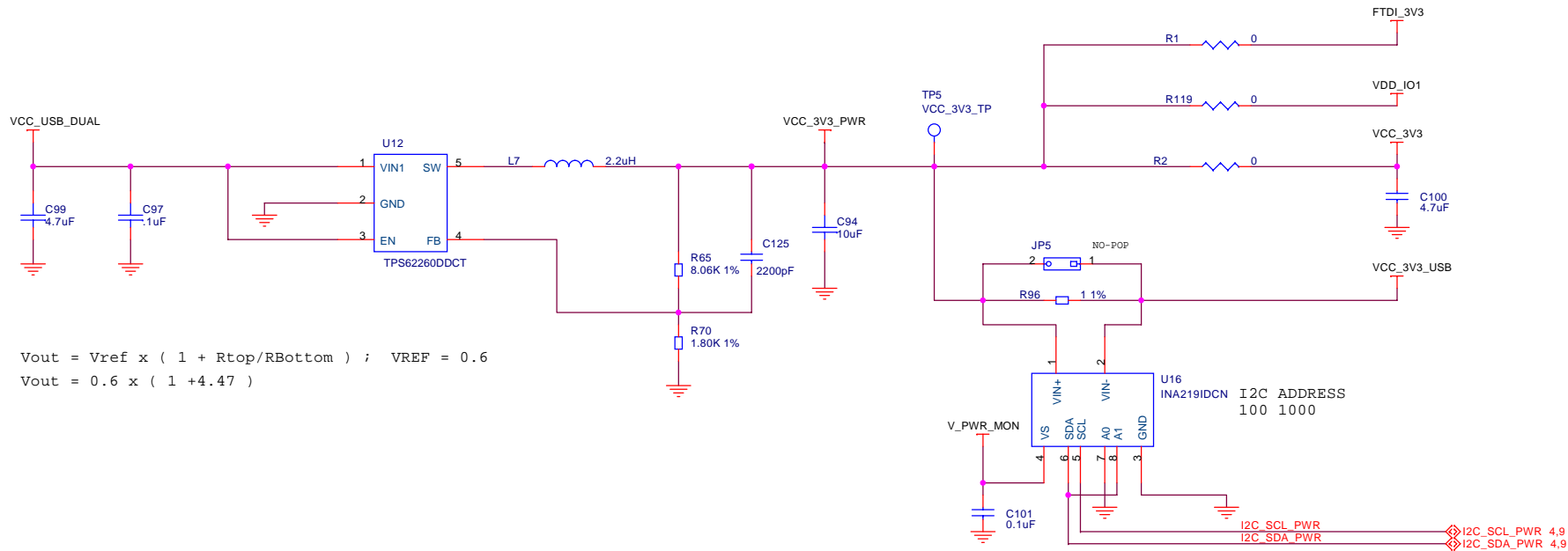


SPECTRUM DIGITAL INCORPORATED			
Title: TMS320C5535 EZDSP MODULE			
Page Contents: MICRO SD CONNECTOR			
Size: B	DWG NO	514582-0001	Revision: A
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$$V_{out} = V_{ref} \times ( 1 + R_{top}/R_{Bottom} ) ; \quad V_{REF} = 0.6$$

$$V_{out} = 0.6 \times ( 1 + 2 )$$

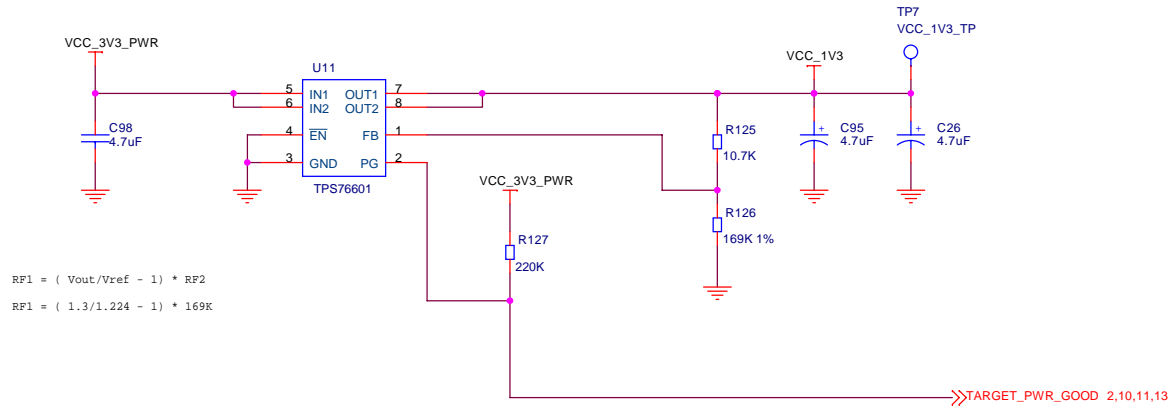


$$V_{out} = V_{ref} \times ( 1 + R_{top}/R_{Bottom} ) ; \quad V_{REF} = 0.6$$

$$V_{out} = 0.6 \times ( 1 + 4.47 )$$

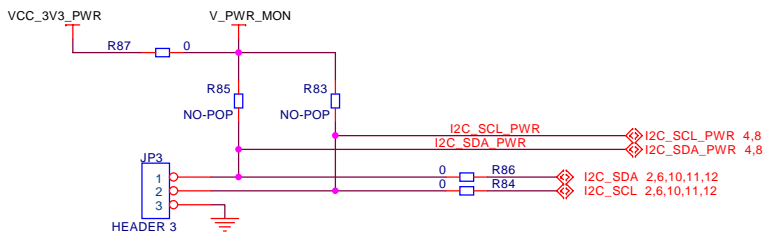
SPECTRUM DIGITAL INCORPORATED			
Title: TMS320C5535 EZDSP MODULE			
Page Contents: POWER MANAGEMENT			
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$$R_{F1} = (V_{out}/V_{ref} - 1) * R_{F2}$$

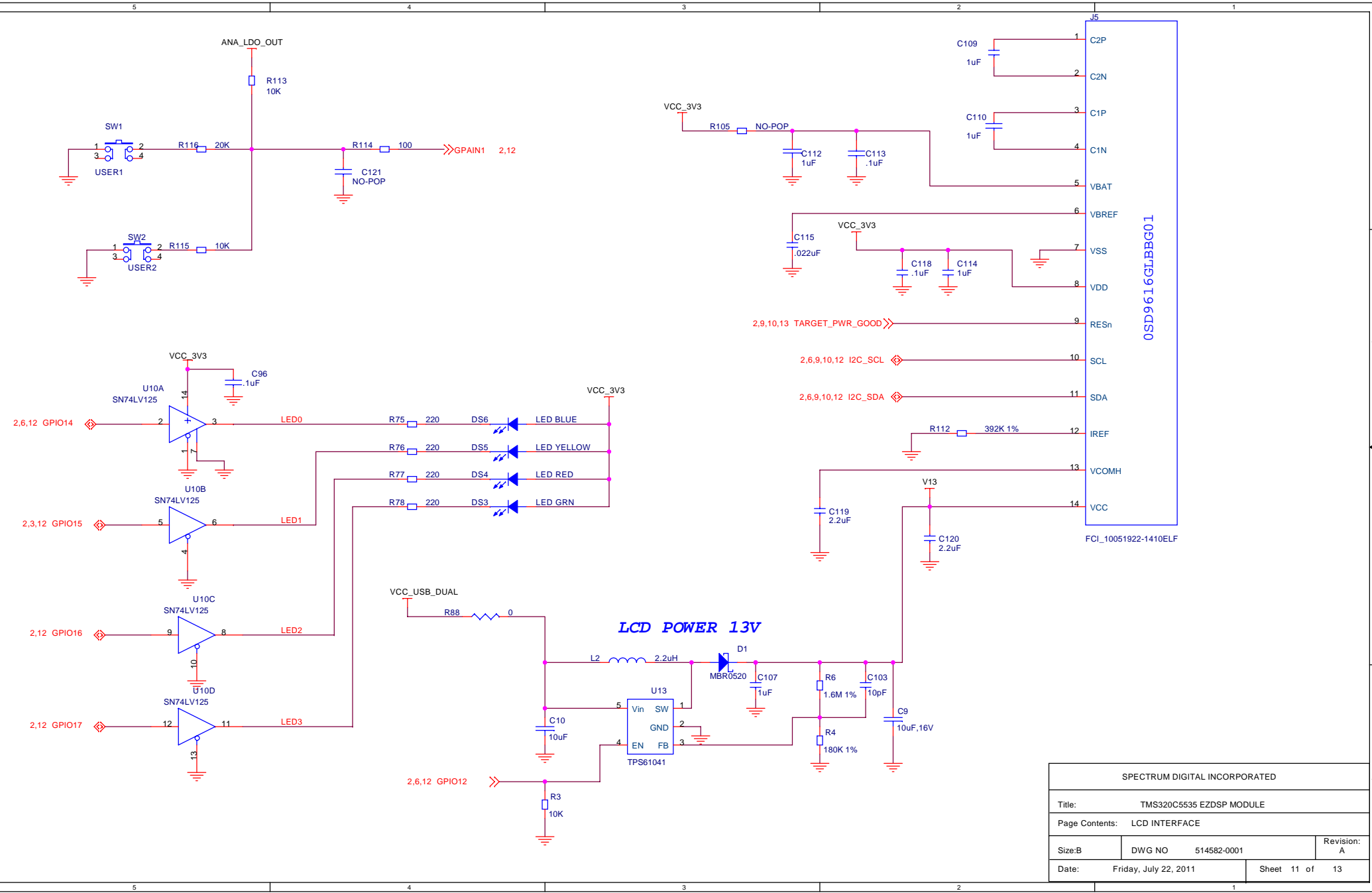
$$R_{F1} = (1.3/1.224 - 1) * 169K$$



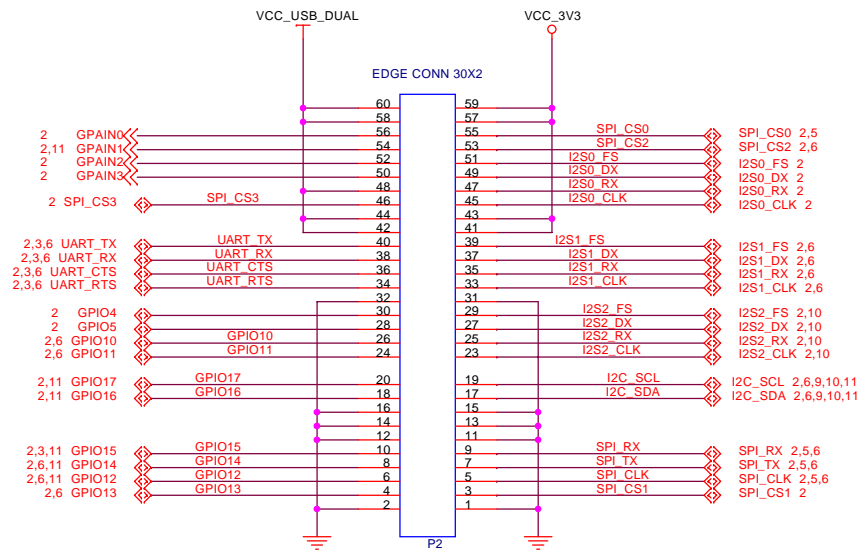
Power Monitor I2C Probe Point Headers

SPECTRUM DIGITAL INCORPORATED			
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Page Contents: POWER MANAGEMENT			
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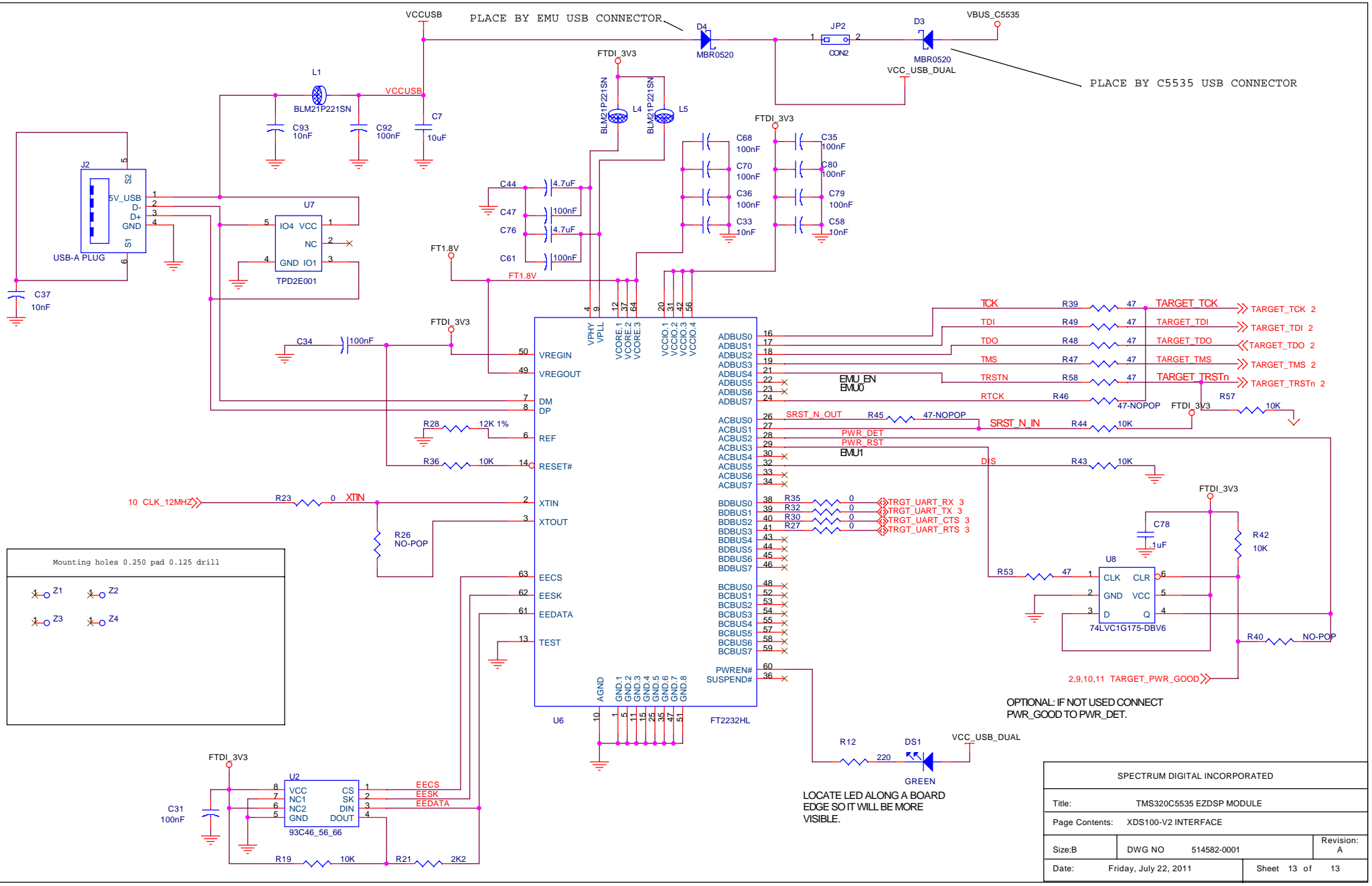




SPECTRUM DIGITAL INCORPORATED			
Title: TMS320C5535 EZDSP MODULE			
Page Contents: LCD INTERFACE			
Size: B	DWG NO: 514582-0001	Revision: A	
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SPECTRUM DIGITAL INCORPORATED			
Title: TMS320C5535 EZDSP MODULE			
Page Contents: EXPANSION CONNECTORS			
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SPECTRUM DIGITAL INCORPORATED			
Title: TMS320C5535 EZDSP MODULE			
Page Contents: XDS100-V2 INTERFACE			
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