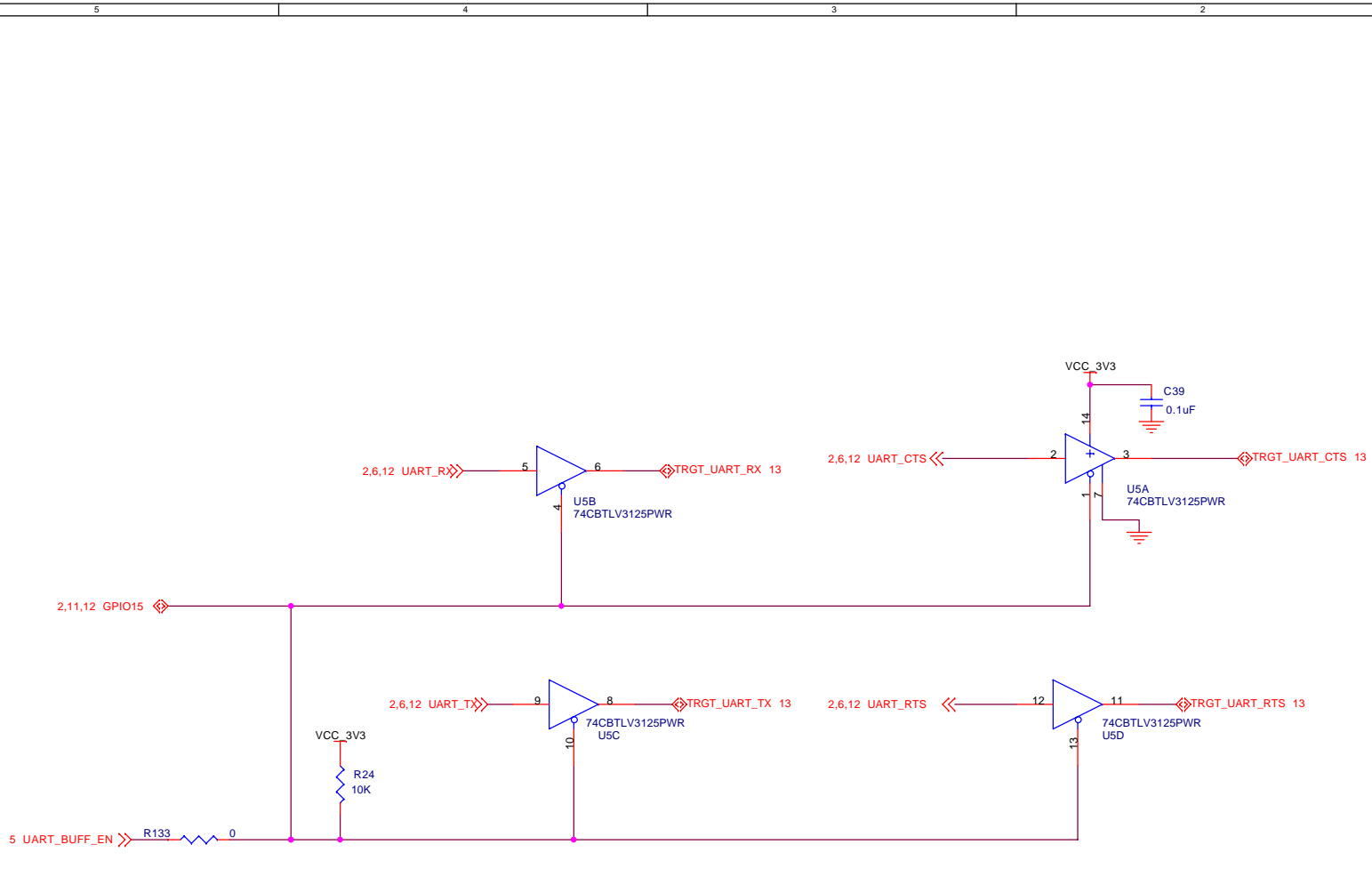
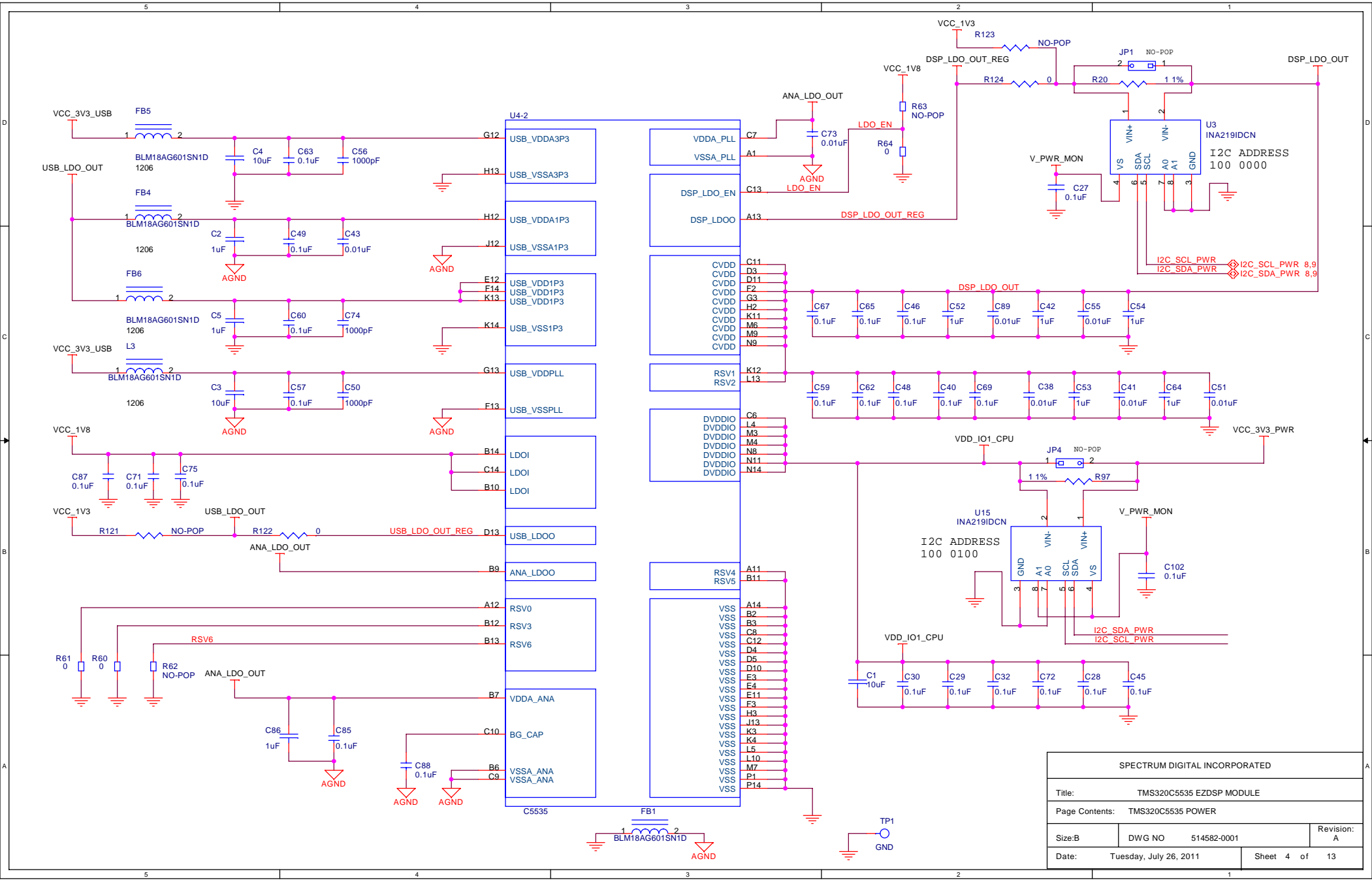


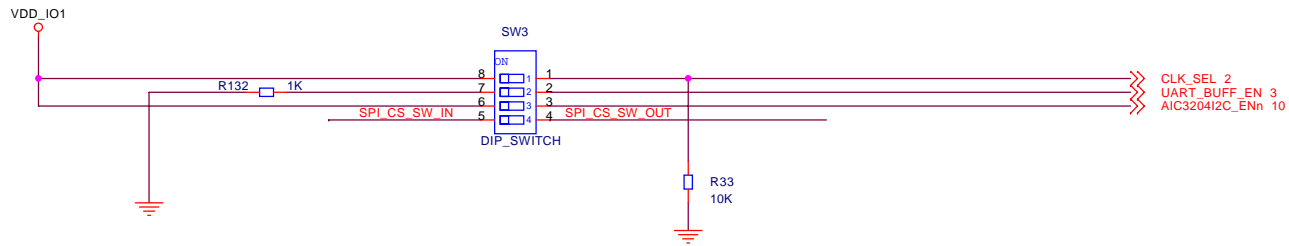
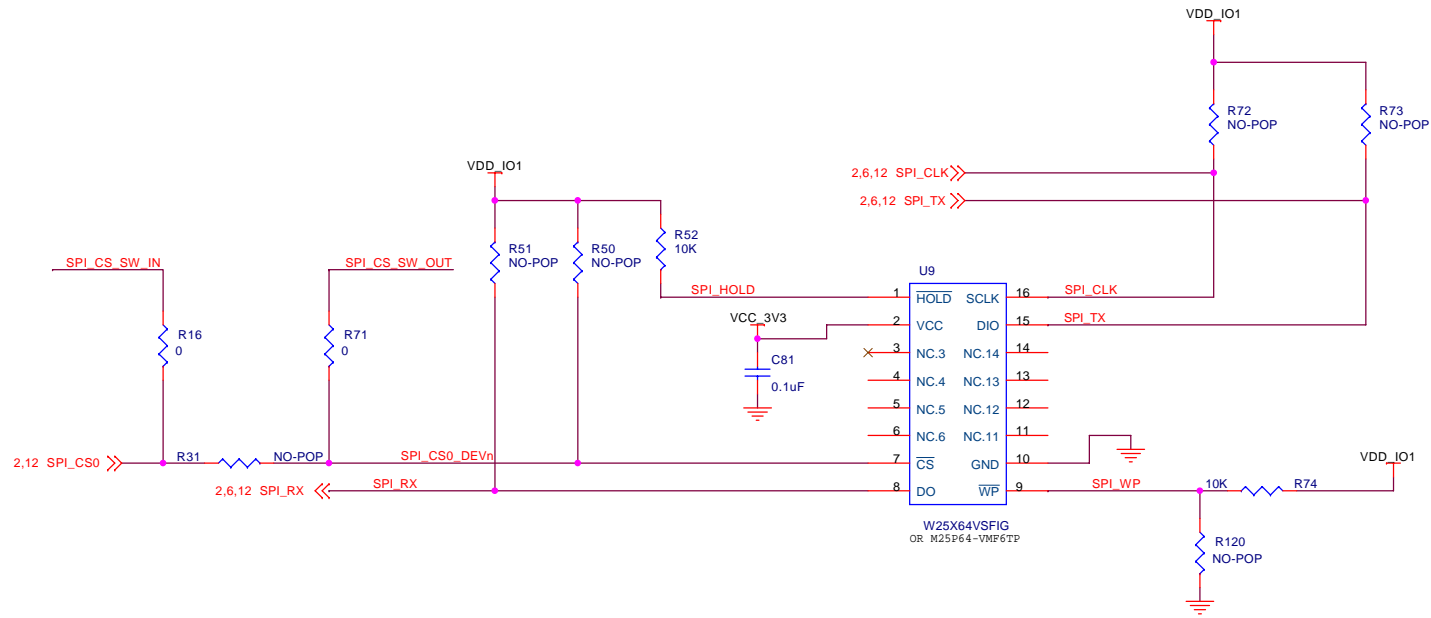
SPECTRUM DIGITAL INCORPORATED			
Title: TMS320C5535 EZDSP MODULE			
Page Contents: GPIO,MMC-SD,SPI,I2C,I2S			
Size: B	DWG NO	514582-0001	Revision: B
Date:	Friday, July 22, 2011	Sheet 2 of	13



SPECTRUM DIGITAL INCORPORATED			
Title: TMS320C5535 EZDSP MODULE			
Page Contents: UART BUFFER			
Size: B	DWG NO	514582-0001	Revision: A
Date:	Friday, July 22, 2011	Sheet 3 of	13



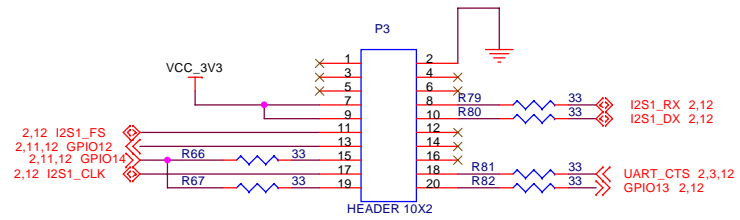
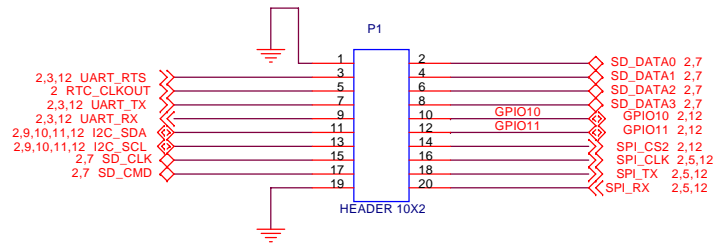
SPECTRUM DIGITAL INCORPORATED			
Title: TMS320C5535 EZDSP MODULE			
Page Contents: TMS320C5535 POWER			
Size: B	DWG NO: 514582-0001	Revision: A	
Date: Tuesday, July 26, 2011	Sheet 4 of 13		



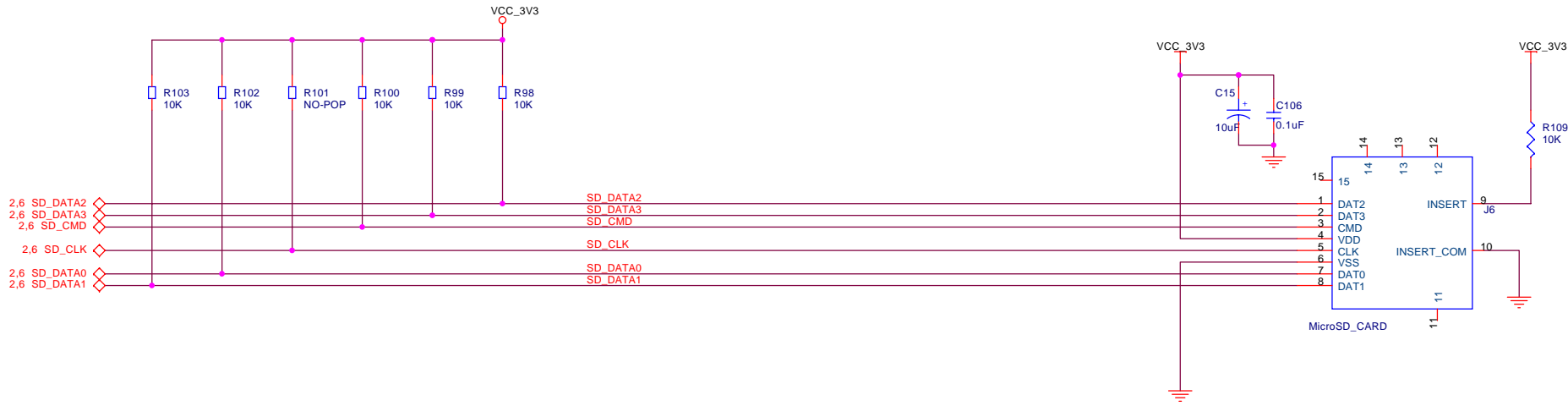
DIP Switch Defaults:
 CLK_SEL = OFF (pulled down)
 UART_BUFF_EN = ON (pulled down)
 AIC3204I2C_ENn = OFF (pulled down)

SPECTRUM DIGITAL INCORPORATED			
Title: TMS320C5535 EZDSP MODULE			
Page Contents: SPI FLASH			
Size: B	DWG NO: 514582-0001	Revision: C	
Date: Tuesday, July 26, 2011	Sheet 5 of 13		

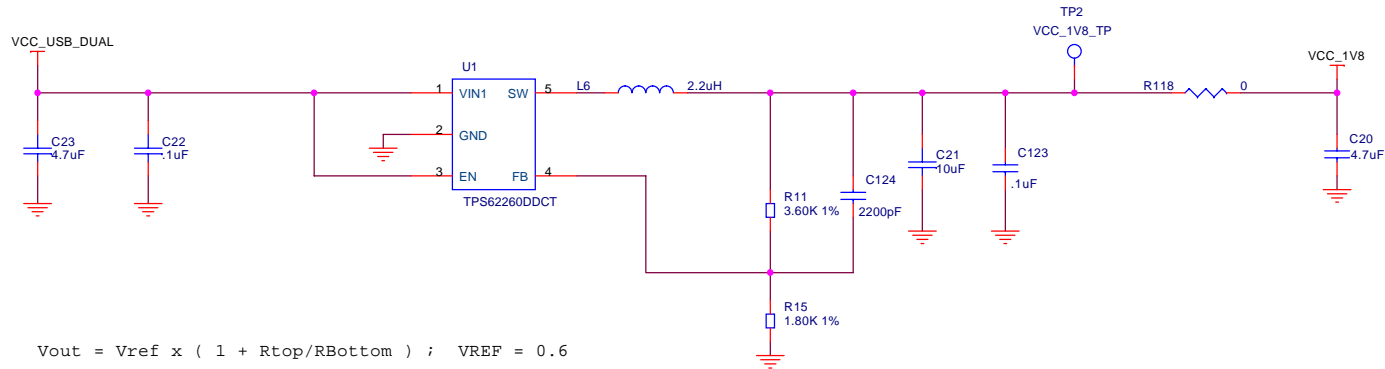
NOTE: DIMENSIONS AND LOCATIONS OF THESE CONNECTORS MUST MEET SPECIFICATION FOR INTERFACE MODULES



SPECTRUM DIGITAL INCORPORATED			
Title: TMS320C5535 EZDSP MODULE			
Page Contents: CC BOARD INTERFACE			
Size: B	DWG NO	514582-0001	Revision: A
Date:	Friday, July 22, 2011	Sheet 6 of	13

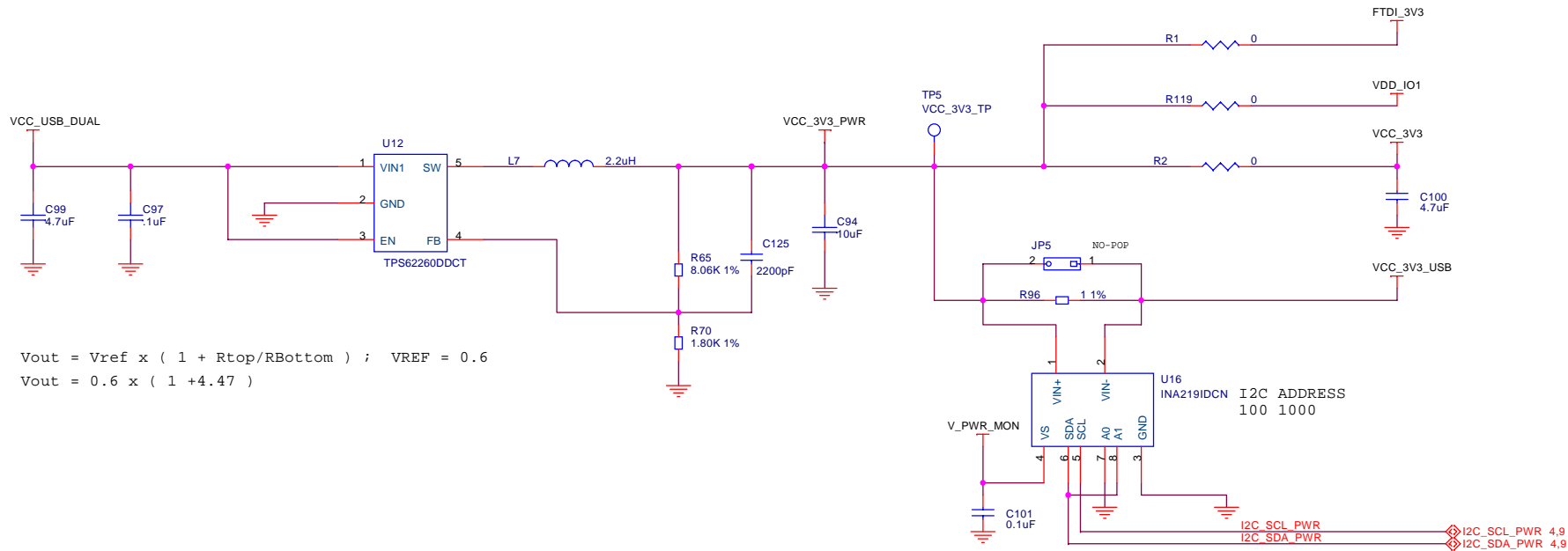


SPECTRUM DIGITAL INCORPORATED			
Title: TMS320C5535 EZDSP MODULE			
Page Contents: MICRO SD CONNECTOR			
Size: B	DWG NO	514582-0001	Revision: A
Date:	Friday, July 22, 2011	Sheet 7 of	13



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

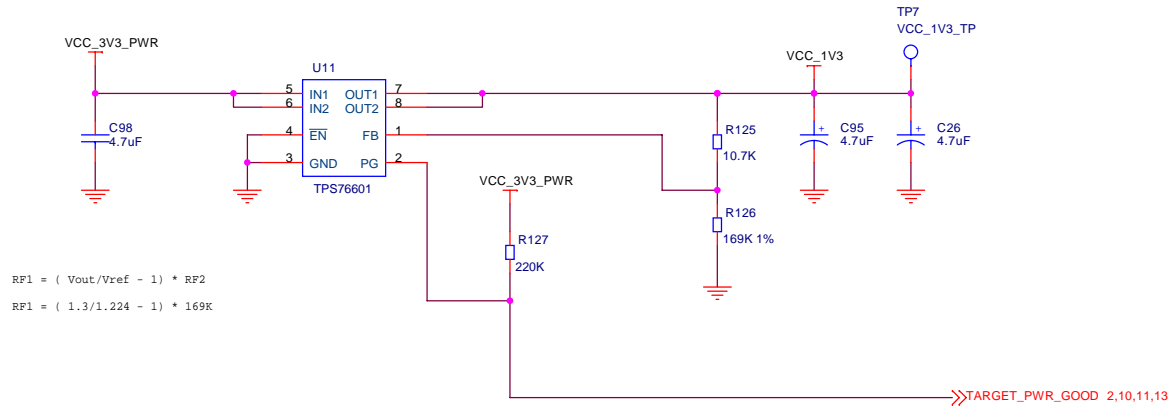
$$V_{out} = 0.6 \times (1 + 2)$$



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

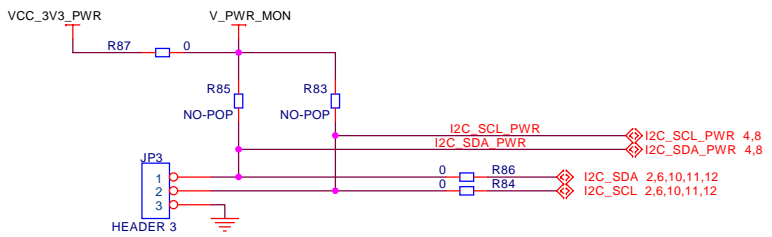
$$V_{out} = 0.6 \times (1 + 4.47)$$

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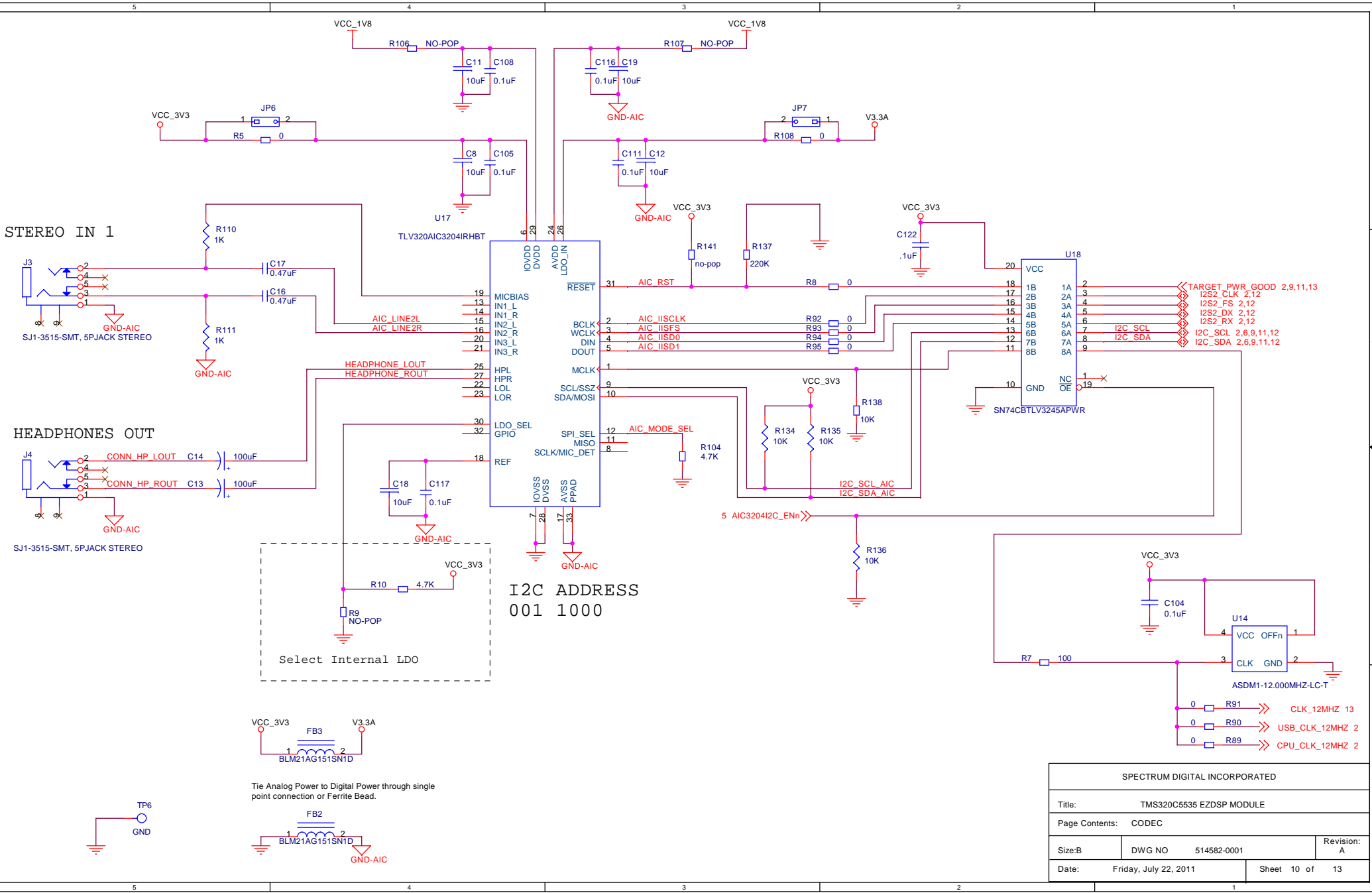
$$R_{F1} = (V_{out}/V_{ref} - 1) * R_{F2}$$

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



Power Monitor I2C Probe Point Headers

SPECTRUM DIGITAL INCORPORATED			
Title: TMS320C5535 EZDSP MODULE			
Page Contents: POWER MANAGEMENT			
Size: B	DWG NO	514582-0001	Revision: A
Date:	Friday, July 22, 2011	Sheet 9	of 13

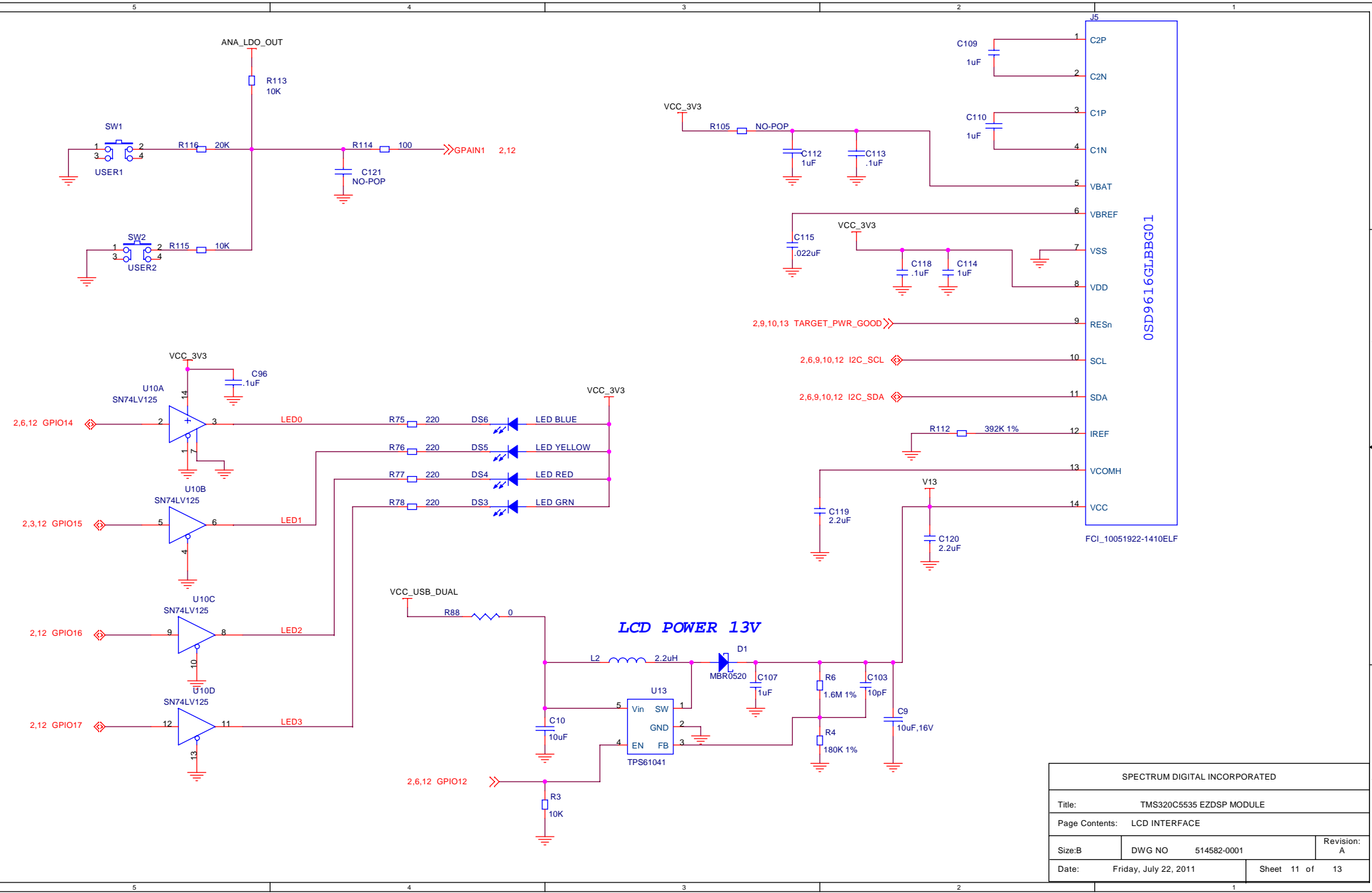


I2C ADDRESS
001 1000

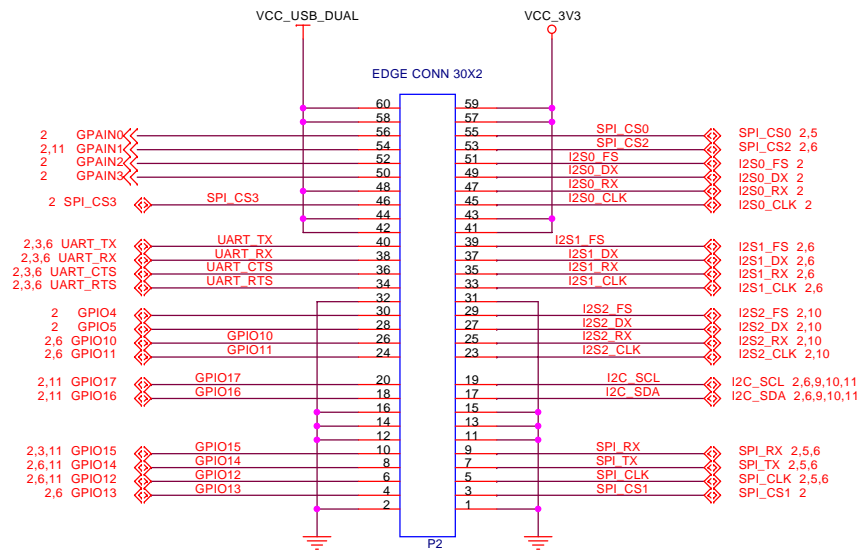
Select Internal LDO

Tie Analog Power to Digital Power through single point connection or Ferrite Bead.

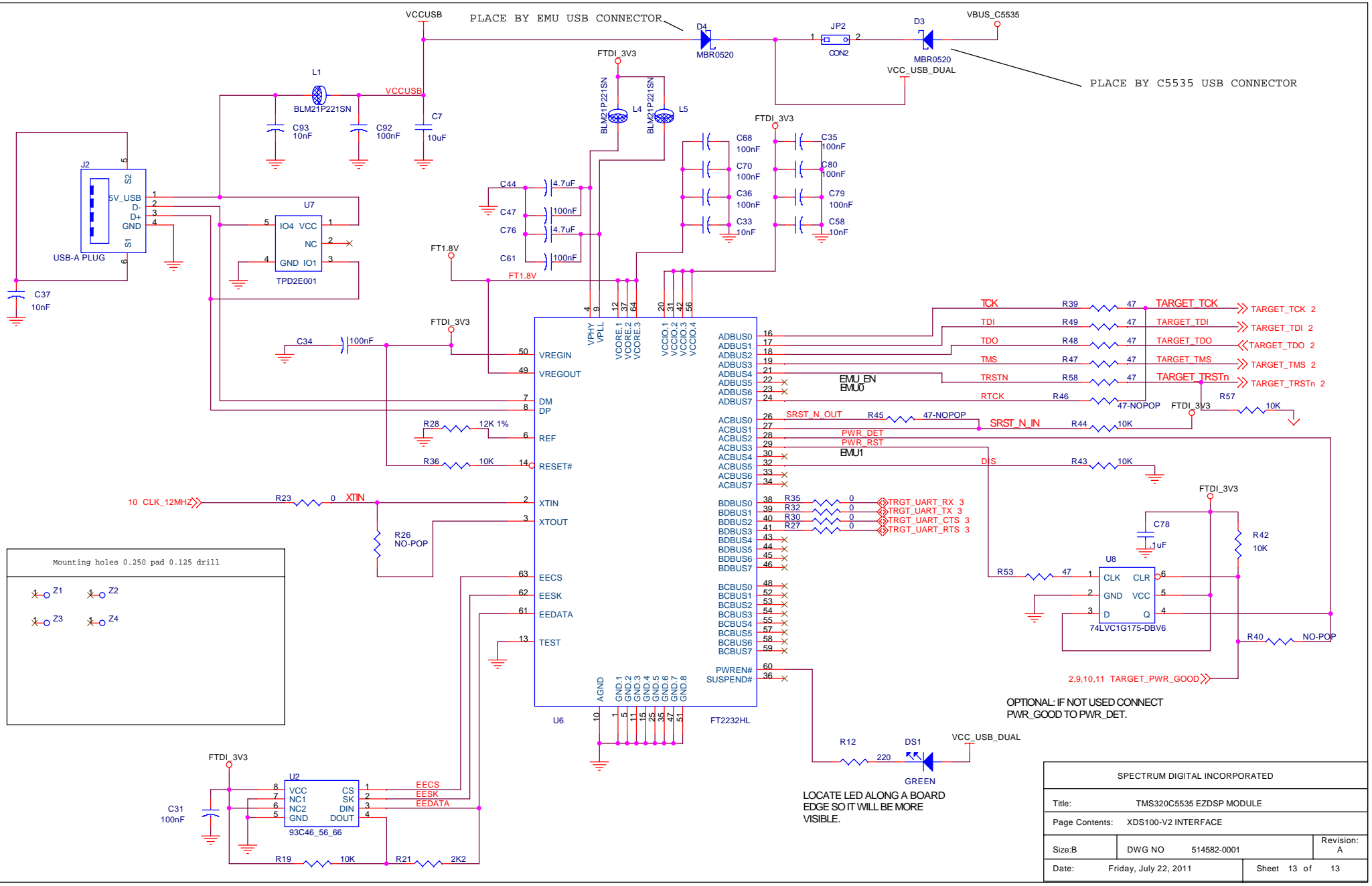
SPECTRUM DIGITAL INCORPORATED			
Title: TMS320C5535 EZDSP MODULE			
Page Contents: CODEC			
Size: B	DWG NO	514582-0001	Revision: A
Date:	Friday, July 22, 2011	Sheet 10 of	13



SPECTRUM DIGITAL INCORPORATED			
Title: TMS320C5535 EZDSP MODULE			
Page Contents: LCD INTERFACE			
Size: B	DWG NO: 514582-0001	Revision: A	
Date: Friday, July 22, 2011	Sheet 11 of 13		



SPECTRUM DIGITAL INCORPORATED			
Title: TMS320C5535 EZDSP MODULE			
Page Contents: EXPANSION CONNECTORS			
Size: B	DWG NO	514582-0001	Revision: A
Date:	Friday, July 22, 2011		Sheet 12 of 13



Mounting holes 0.250 pad 0.125 drill

Z1 Z2

Z3 Z4

SPECTRUM DIGITAL INCORPORATED			
Title: TMS320C5535 EZDSP MODULE			
Page Contents: XDS100-V2 INTERFACE			
Size: B	DWG NO	514582-0001	Revision: A
Date: Friday, July 22, 2011	Sheet 13 of 13		