

GND

CHG_IN

USBPWR

USB_SEL

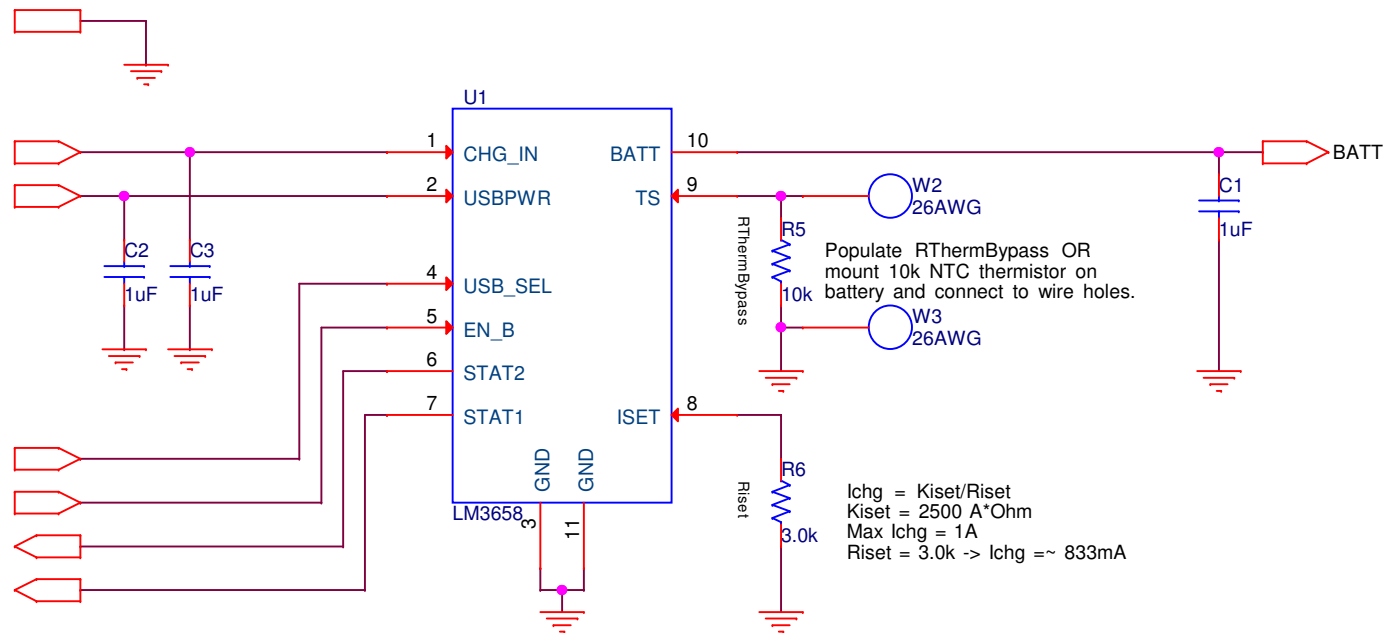
EN_B

STAT2

STAT1

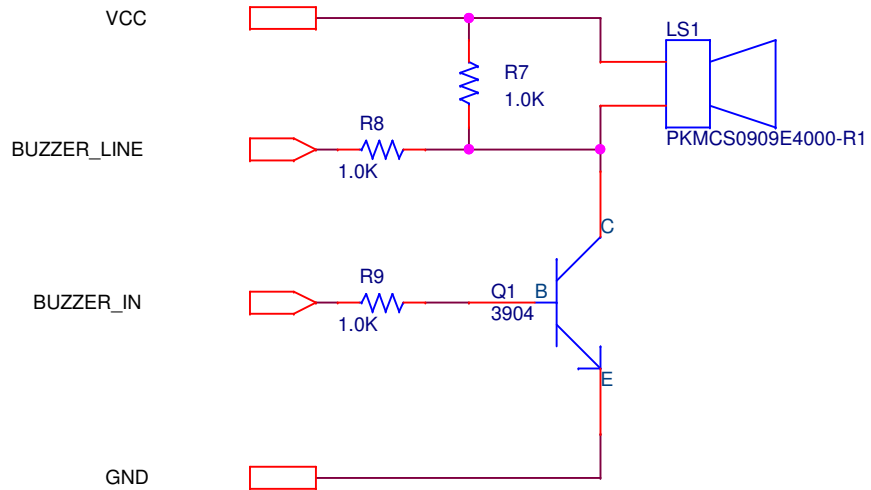
STAT pins 2/1

00: Power down, charging suspended or interrupted
01: Pre-qualification. CC/CV charging, top-off mode
10: Charge complete
11: Bad battery or LDO mode.
See page 9 of LM3658 datasheet

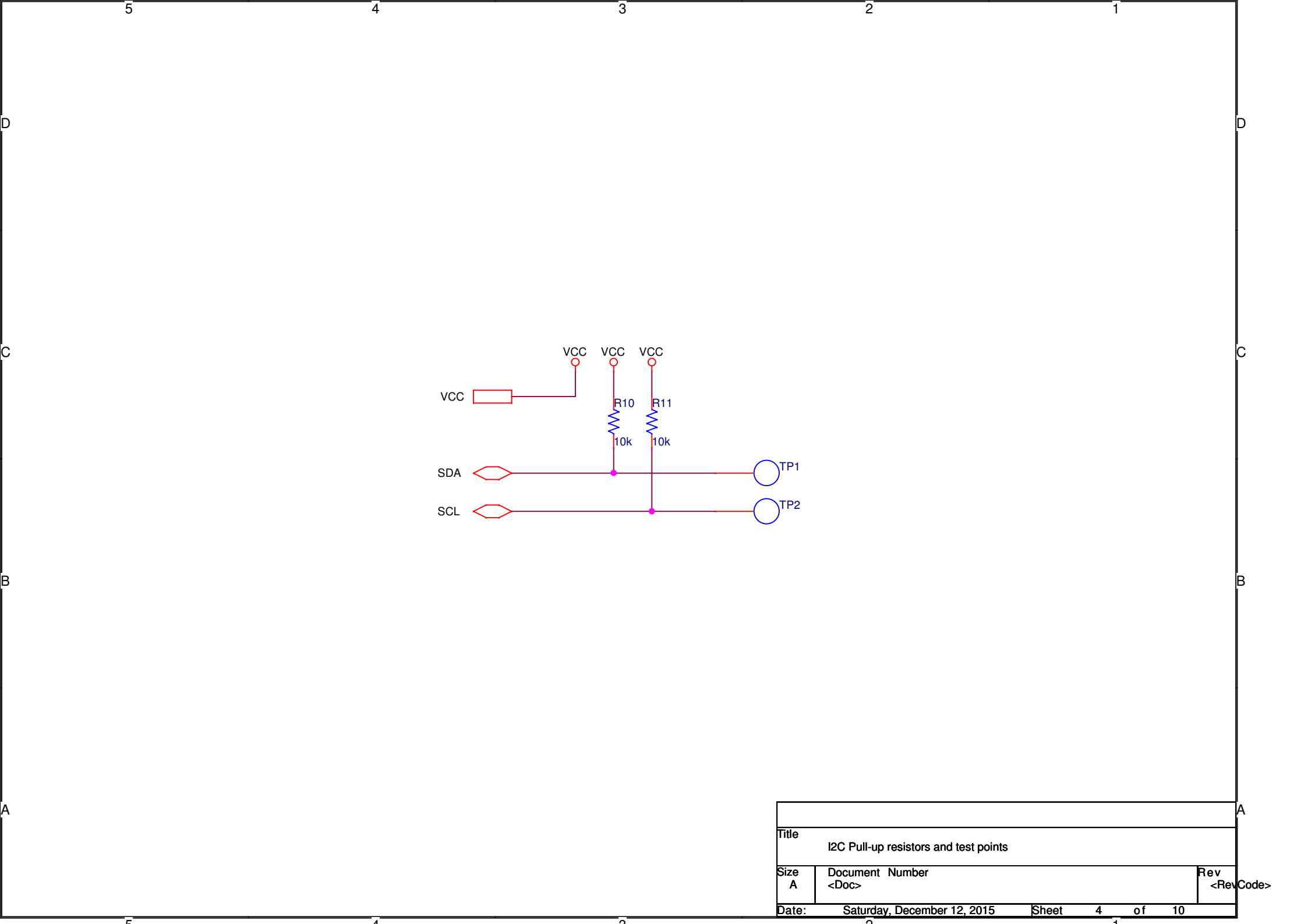


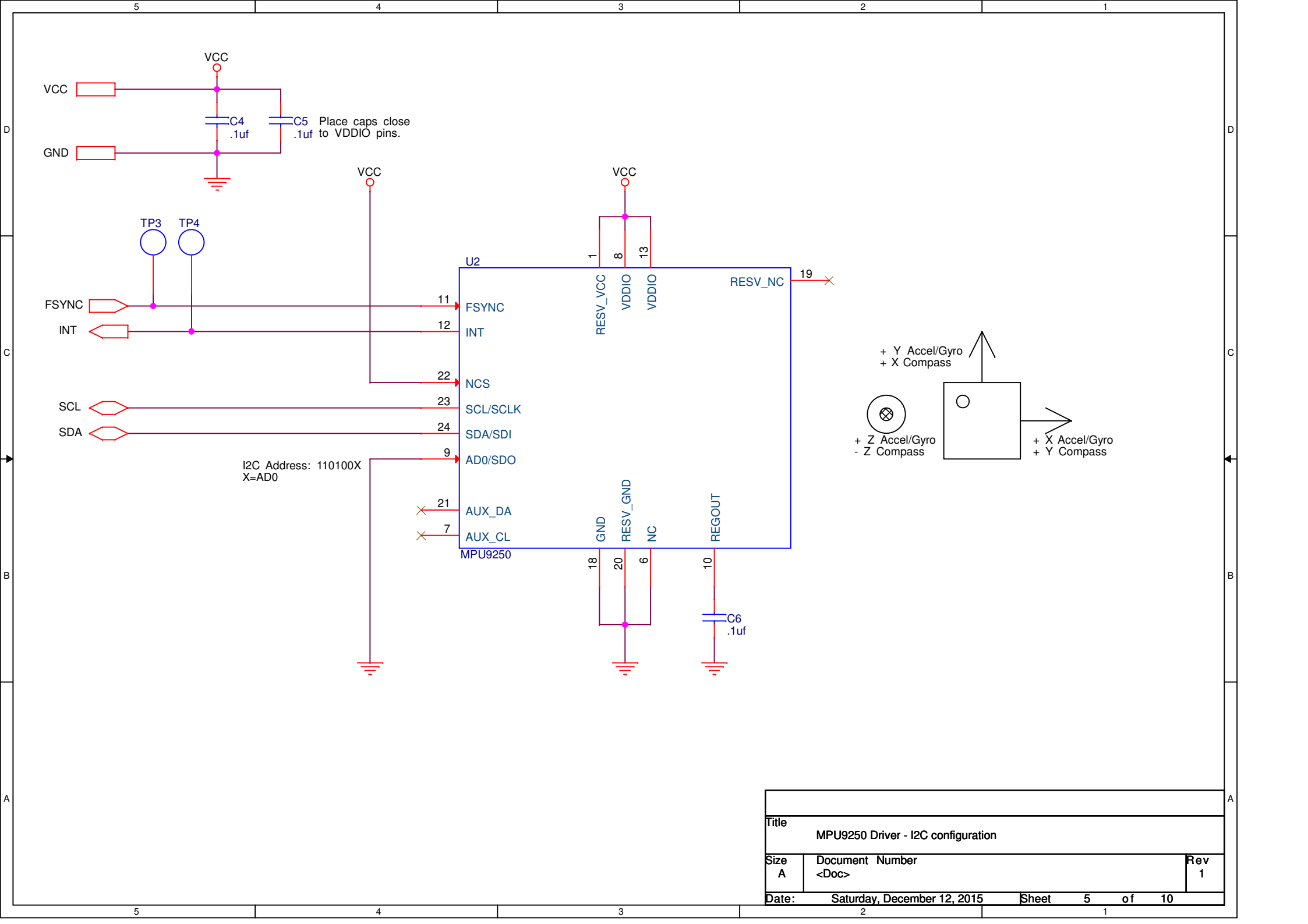
Title		
Li Battery Charger TI LM3658		
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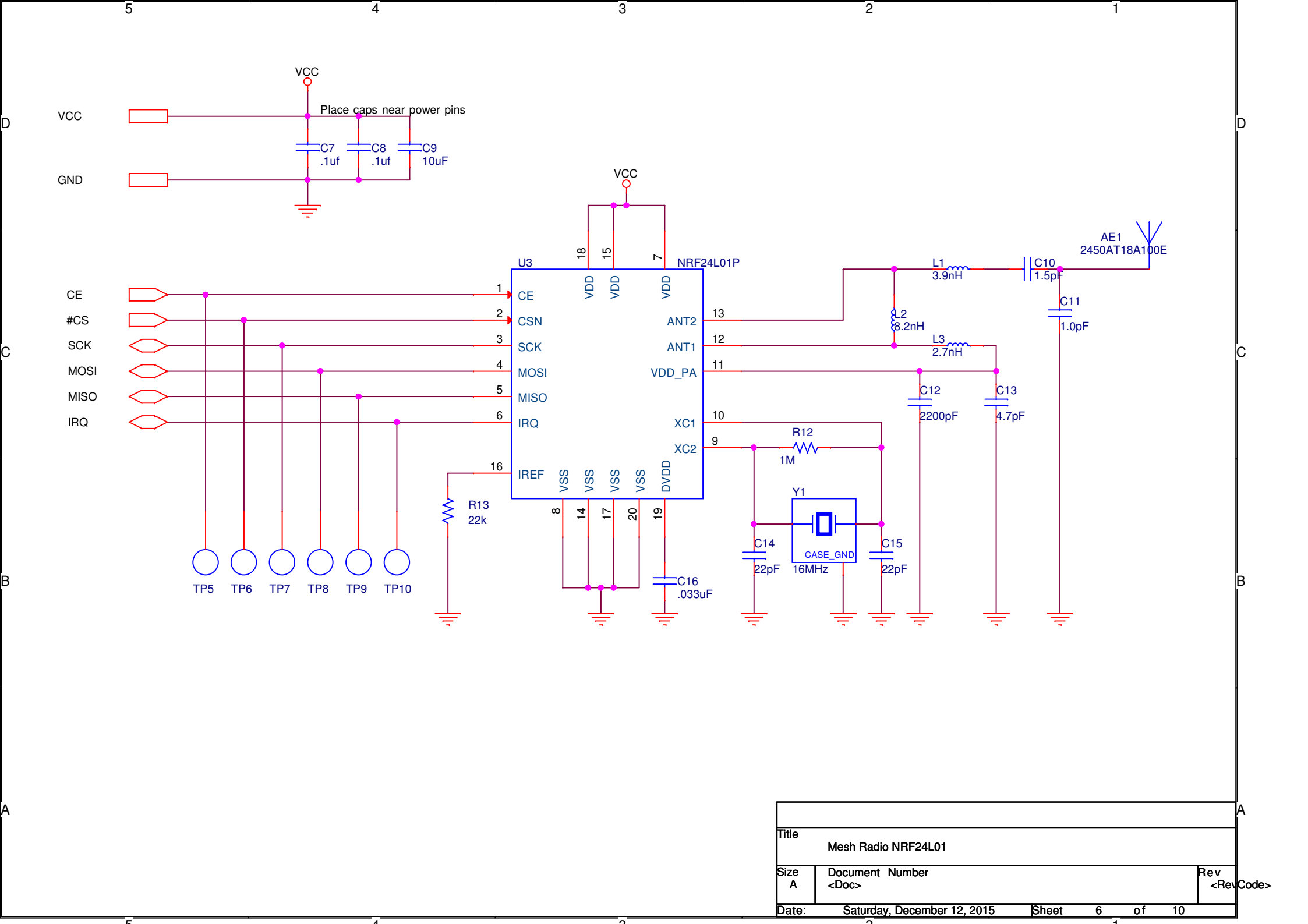
BUZZER_LINE could be connected directly to an ADC to potentially pick up vibrations

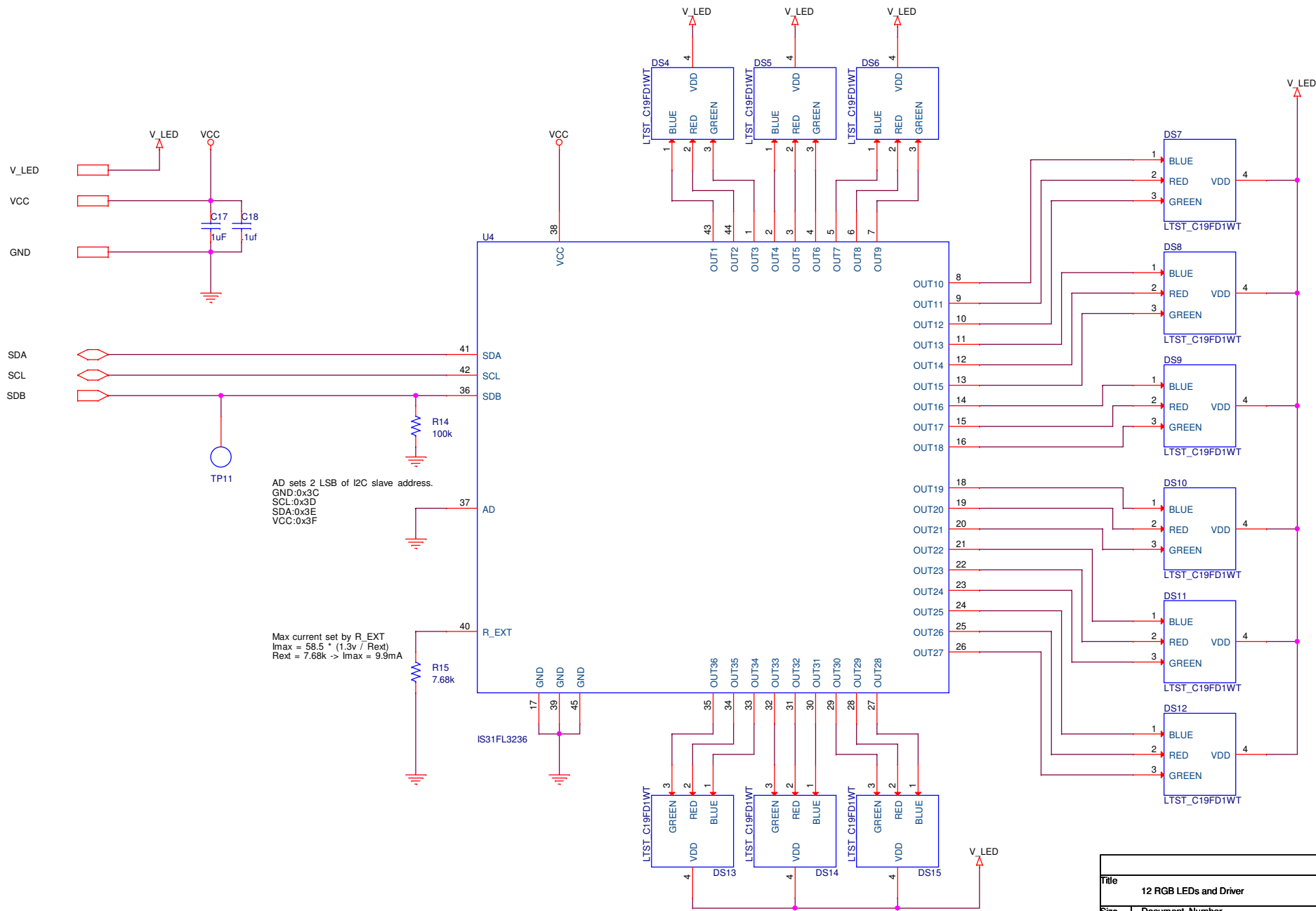


Title		
Piezo Buzzer With Analog Line		
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Title		
12 RGB LEDs and Driver		
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B	<Doc>	<RevCode>
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D

C

B

A

D

C

B

A

PT6IAD01_SE16SP1_PCS1UART1_TXSDH02_D1TRACE_CLKOUT1021_SDAUTO_CLKOUT
PT6ILLWU_P1AD01_SE16SP1_SOUTUART1_RXSDH02_D1TRACE_D3021_SCLSP1_SIN
PT6ILLWU_P1AD01_DPA001_SE16SP1_SCKUART1_CTS_BSDH02_DCLKTRACE_D2
PT6IAD01_DMA001_SE16SP1_SINUART1_CTS_BSDH02_CMDTRACE_D1SP1_SOUT
PT6ILLWU_P2SP1_PCS0UART2_TXSDH02_D3TRACE_D0
PT6ISPH1_PCS0UART2_TXSDH02_D0FTM0_CH0
PT6ISPH1_PCS0UART2_CTS_B1020_MCLKFTM0_CH1USB_SOF_OUT

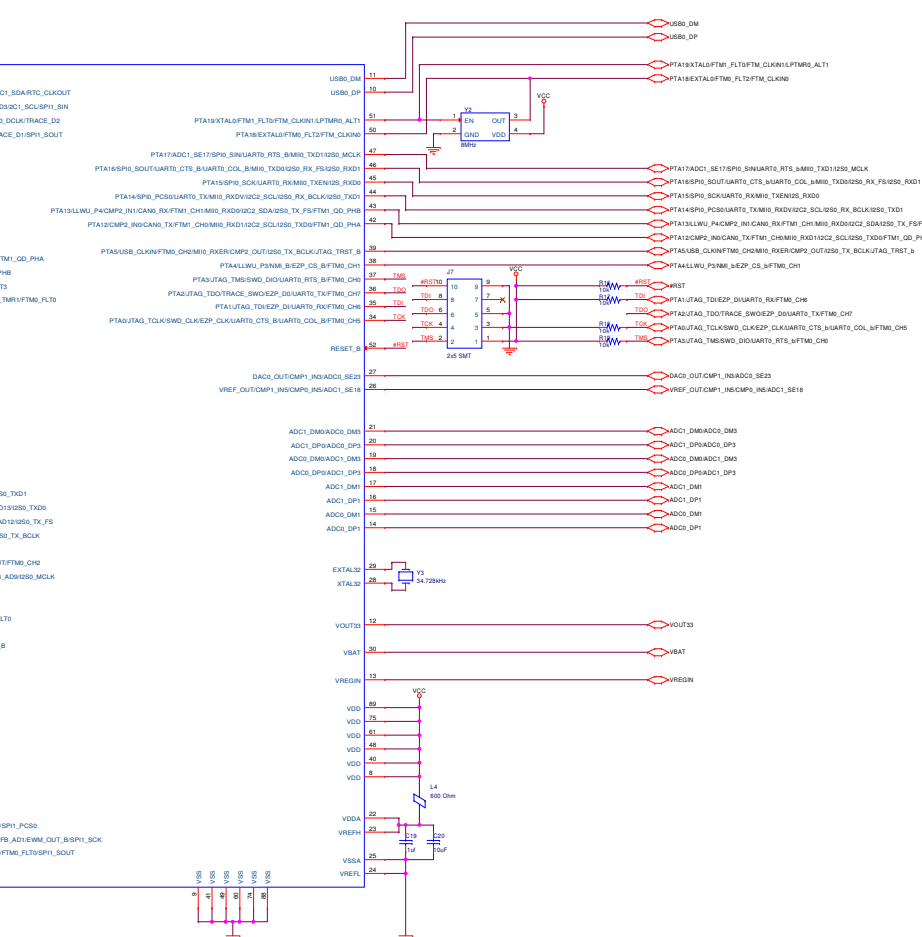
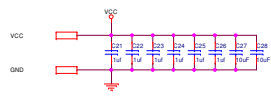
PT6IAD01_SE11UART1_TX1021_SCL1EWM_OUT_0
PT6IAD01_SE10UART1_RX1021_SDAEWM_IN
PT6ISENET_158_CLKINUART1_CTS_B1021_CLKOUTUSB_CLKIN

PT6ILLWU_P5AD01_SE16SP1_SE1020_SCLFTM0_CH0M01_MDIOFTM0_G0_PHA
PT6IAD01_SE16SP1_SE1020_SDAFTM0_CH1M01_MDIOFTM0_G0_PHB
PT6IAD01_SE1020_SCLUART1_RTS_B1ENET0_158_TMR0FTM0_FLT0
PT6IAD01_SE1020_S0UART1_CTS_B1ENET0_158_TMR1FTM0_FLT0
PT6ISPH1_PCS0UART2_CTS_B1F8_A020
PT6IAD01_SE14SP1_PCS0UART2_RXFB_A018FTM0_FLT1
PT6IAD01_SE15SP1_SCKUART2_TXFB_A018FTM0_FLT2

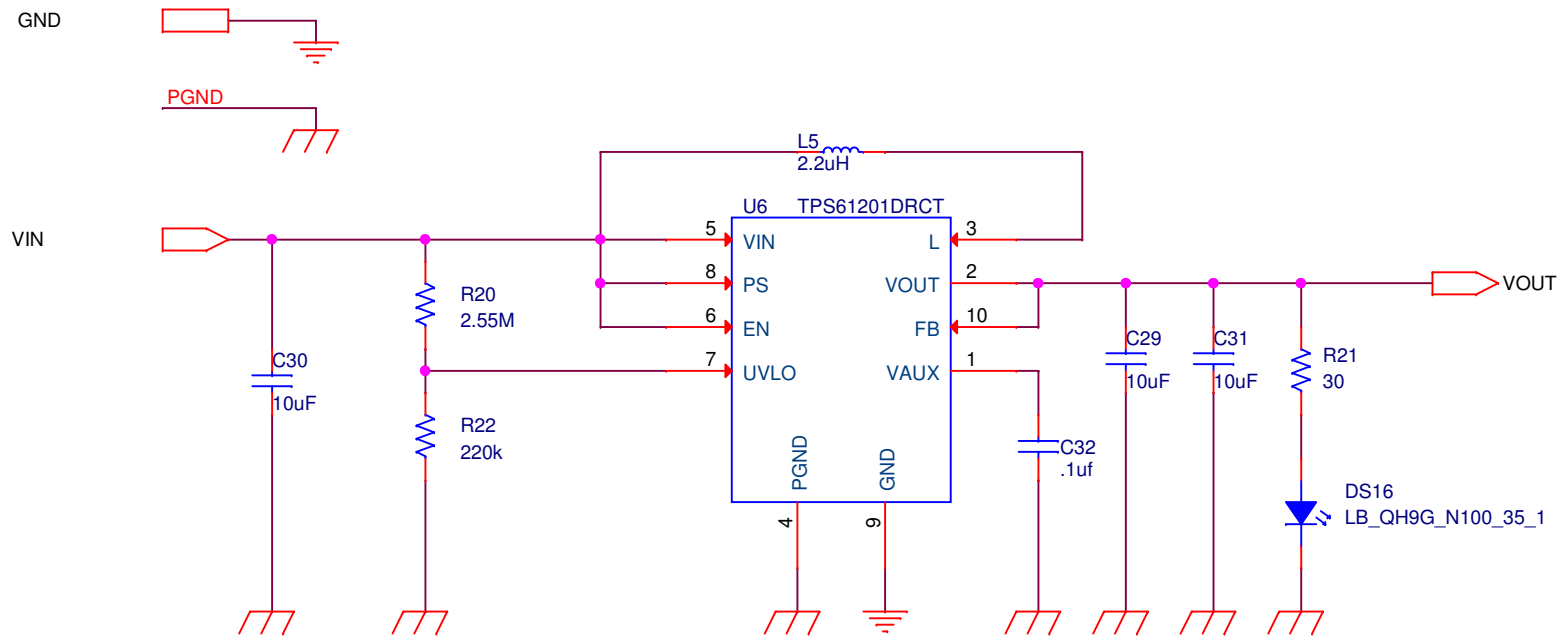
PT6I6SP1_SOUTUART1_RXFTM0_CLKINFTB_A011EWM_IN
PT6I7SP1_SINUART1_TXFTM0_CLKINFTB_A016EWM_OUT_0
PT6I8CAN0_TXFTM0_CH01020_TX_BCLKFB_A015FTM0_G0_PHA
PT6I8CAN0_RXFTM0_CH01020_TX_F8FB_DE_BFTM0_G0_PHB
PT6ISPH2_PCS0FB_A011CMP1_OUT
PT6I8SP2_SCKFB_A010CMP1_OUT
PT6I8SP2_SOUTFB_A020CMP1_OUT
PT6I8SP2_SINSP2_PCS0FB_A020

PT6IAD01_SE14SP2_PCS4P0B0_EXTG0USB_SOF_OUTFB_A0141020_TXD1
PT6ILLWU_P1AD01_SE15SP2_PCS0UART1_RTS_BFTM0_CH0FB_A0131020_TXD0
PT6IAD01_SE16SP1_PCS0UART1_CTS_BFTM0_CH0FB_A0131020_TX_FS
PT6ILLWU_P1CMP1_IN1SP2_PCS0UART1_RXFTM0_CH01020_TX_BCLK
PT6ILLWU_P8SP2_PCS0UART1_TXFTM0_CH0FB_A011CMP1_OUT
PT6ILLWU_P8SP2_SCKLFTM0_A01020_RXD0FB_A010CMP1_OUTFTM0_CH2
PT6ILLWU_P10CMP1_IN0SP2_SOUTP0B0_EXTG020_RX_BCLKFB_A01020_MCLK
PT6I0CMP1_IN1SP2_SINUSB_SOF_OUT1020_RX_F8FB_A08
PT6IAD01_SE16CMP1_IN0FTM0_CH01020_MCLKFB_A07
PT6IAD01_SE16CMP1_IN0FTM0_CH01020_RX_BCLKFB_A06FTM0_FLT0
PT6IAD01_SE16AD01_SCLFTM0_CH01020_RX_F8FB_A05
PT6ILLWU_P11AD01_SE16V0C1_SDAFTM0_CH01020_RXD0FB_RX_B
PT6I2UART4_RTS_B1F8_A027FTM0_FLT0
PT6I3UART4_CTS_B1F8_A026
PT6I4UART4_RXFB_A025
PT6I5UART4_TXFB_A024
PT6I6UART4_RXENET0_158_TMR0FB_CSS_0
PT6I7UART4_RXENET0_158_TMR1FB_CSS_0
PT6I8UART4_RTS_B1ENET0_158_TMR0FB_TEST_0
PT6ILLWU_P12SP2_PCS0UART2_RTS_BFTM0_CH0FB_ALE

PT6IAD01_SE16SP2_SCKUART2_CTS_BFTM0_CH1FB_CSS_0
PT6ILLWU_P13SP2_SOUTUART2_RXFTM0_CH0FB_A041020_SCL
PT6ISPH1_SINUART2_TXFTM0_CH0FB_A031020_SDA
PT6ILLWU_P14SP2_PCS0UART2_RTS_BFTM0_CH0FB_A02EWM_INSP1_PCS0
PT6IAD01_SE16SP2_PCS0UART2_CTS_BUART0_COL_BFTM0_CH0FB_A01EWM_OUT_BSP1_SCK
PT6ILLWU_P16AD01_SE16SP2_PCS0UART2_RXFTM0_CH0FB_A06FTM0_FLT0SP1_SOUT
PT6I0CMT_IRQUART0_TXFTM0_CH0FTM0_FLT1SP1_SIN



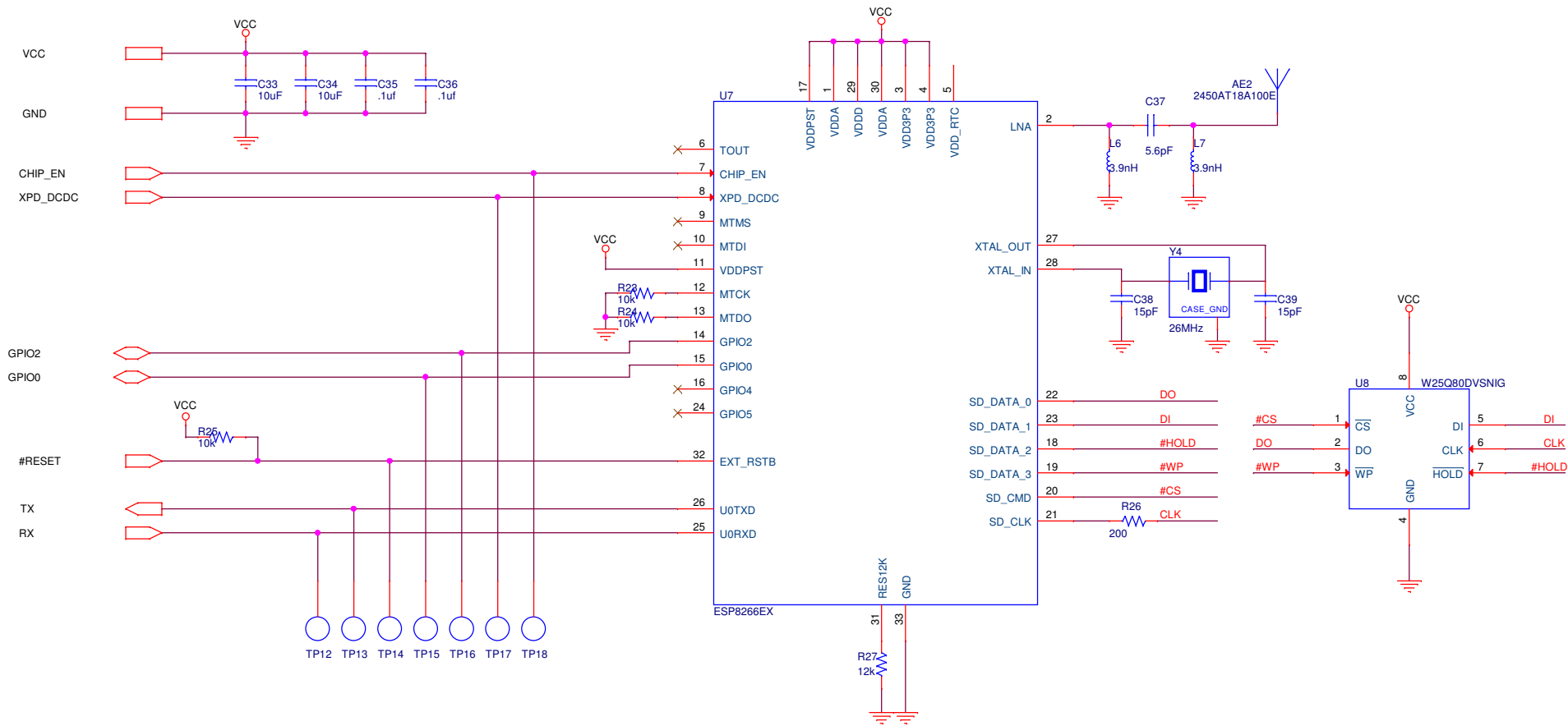
N94 uC block			
ID	Document Number	Rev	Doc. Status
001	001	1.0	Initial Release



Input dropout voltage of ~3.15v
 $R_{uv3} = R_{uv4} * (V_{in_min} / V_{uvlo} - 1)$
 $2.55M = 220k * (3.15V / .25v - 1)$

Connect PGND and GND
 near package GND pin
 with NET_SHORT shape
 or vias.

Title		
3.3V Fixed Regulator		
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Title		
WiFi ESP8266EX		
Size	Document Number	Rev
B	<Doc>	<RevCode>
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