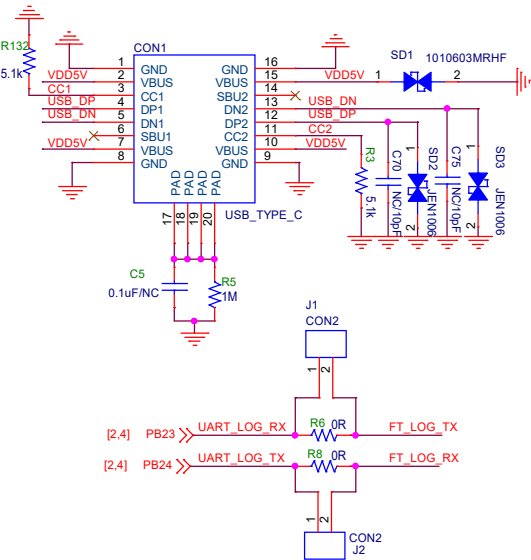
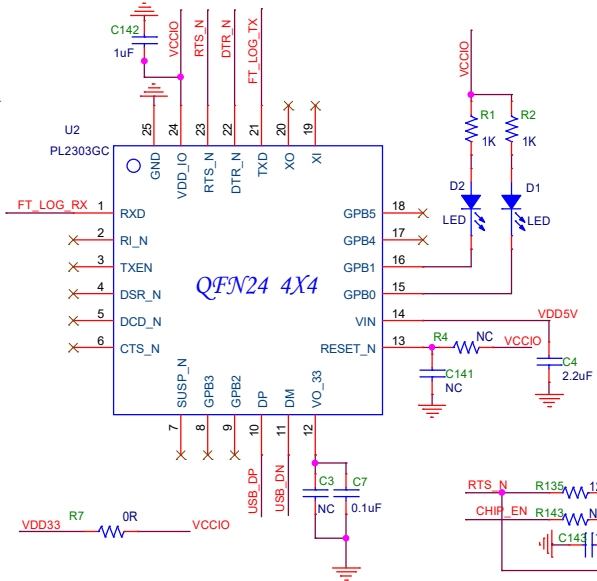


USB & POWER

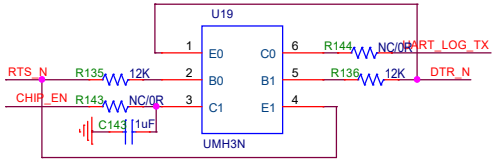
USB TYPE C (Device and FT232)



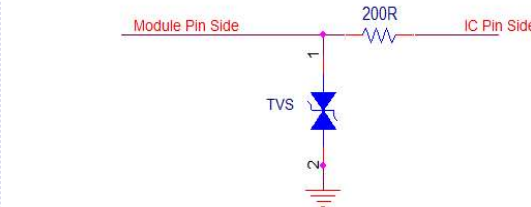
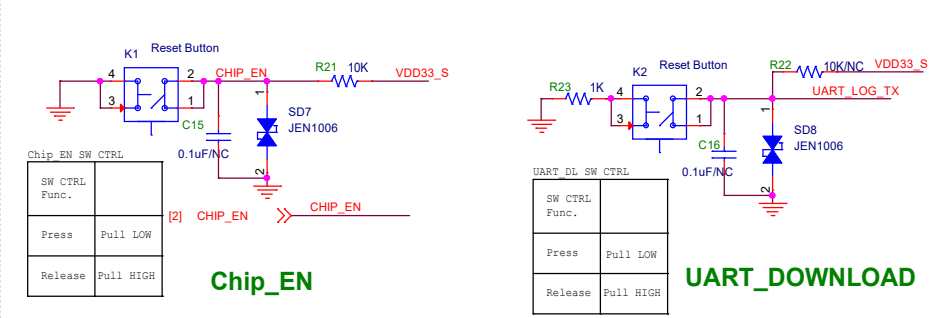
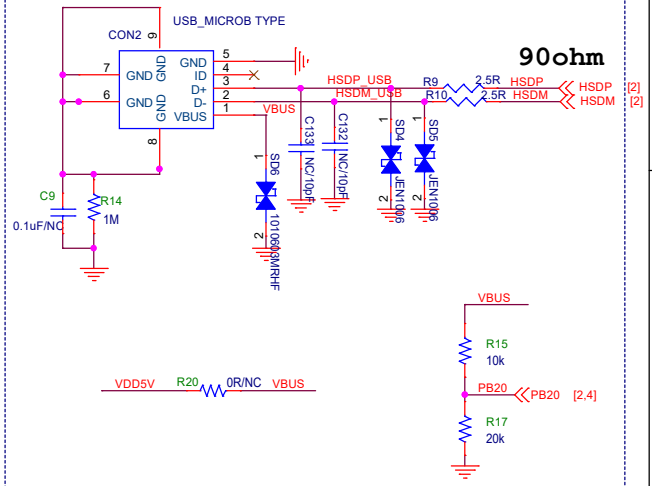
PL2303GC QFN24 4X4
USB TO UART



Auto-download Circuit

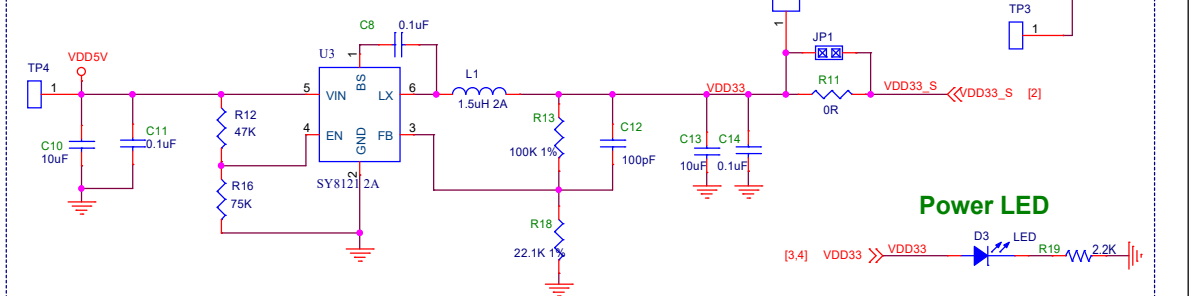


USB (micro-B)

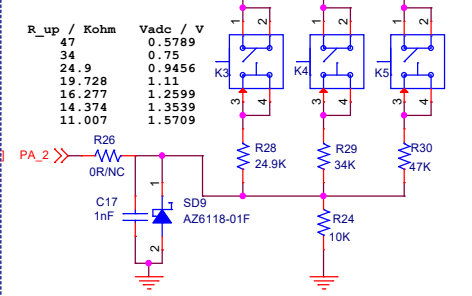


For module pins that require an E-gun test, such as CHIP EN or UART, adding a TVS Diode and a serial resistor is recommended

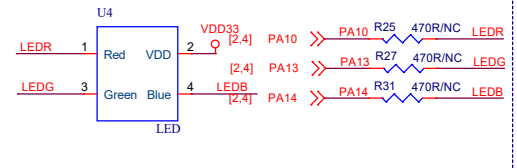
5V --> 3.3V SWR



USER KEY

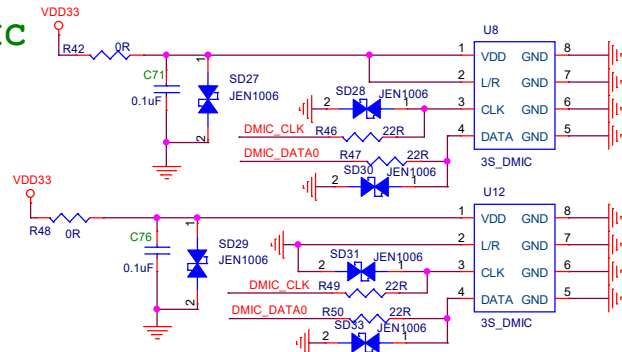


USER LED



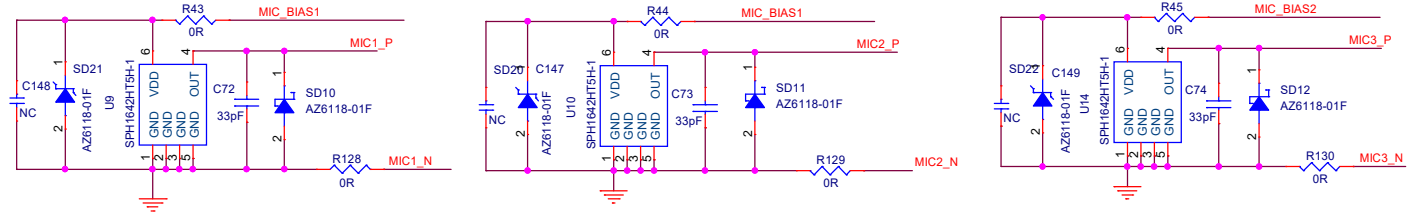
AUDIO

DMIC

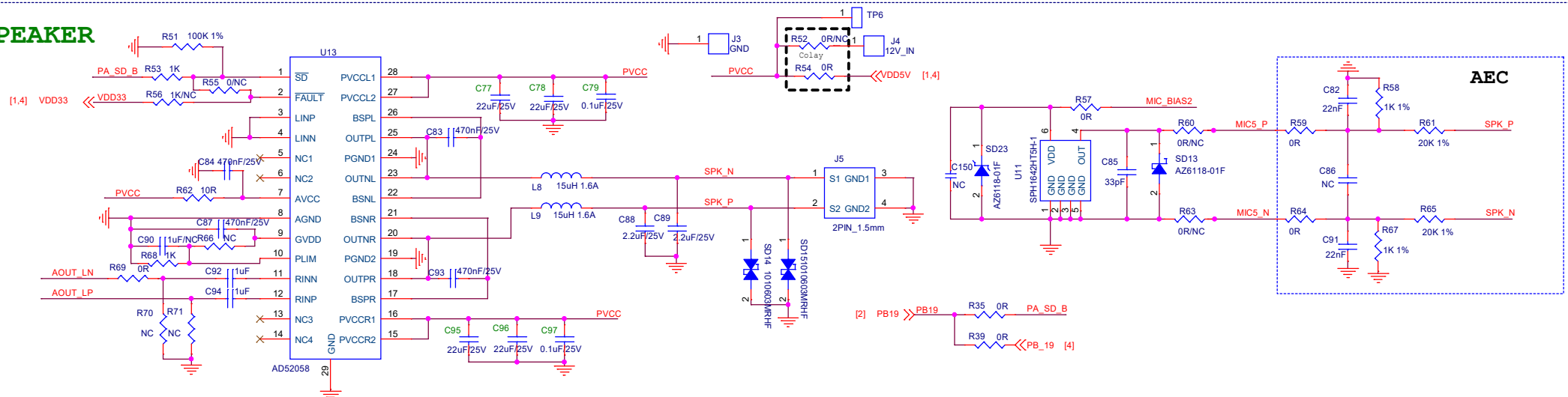


Left : DMIC1 L/R=HIGH, CLK=HIGH, DATA=VALID
Right: DMIC2 L/R=LOW, CLK=LOW, DATA=VALID

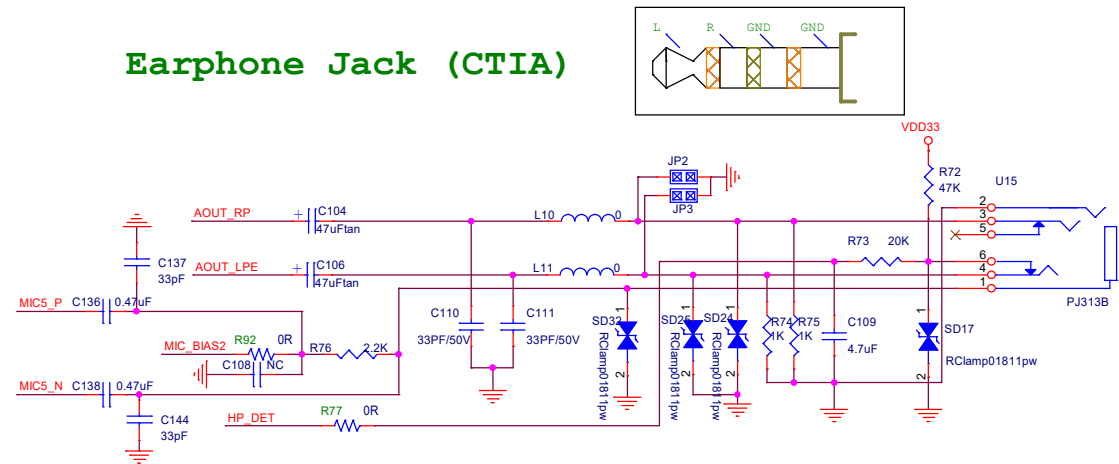
AMIC



SPEAKER



Earphone Jack (CTIA)



[2,4] MICIN1P >> MICIN1P C98 | 470nF MIC1_P
[2,4] MICIN1N >> MICIN1N C99 | 470nF MIC1_N
[2,4] MICIN2P >> MICIN2P C100 | 470nF MIC2_P
[2,4] MICIN2N >> MICIN2N C101 | 470nF MIC2_N
[2,4] MICIN3P >> MICIN3P C102 | 470nF MIC3_P
[2,4] MICIN3N >> MICIN3N C103 | 470nF MIC3_N
[2,4] MICIN5P >> MICIN5P C105 | 470nF MIC5_P
[2,4] MICIN5N >> MICIN5N C107 | 470nF MIC5_N

[2,4] MIC_BIAS1 >> MIC_BIAS1
[2,4] MIC_BIAS2 >> MIC_BIAS2
[2,4] LINEOUTLN >> AOUT_LN
[2,4] LINEOUTRP >> AOUT_RP [2,4] LINEOUTLP >> AOUT_LP
[2,4] LINEOUTRN >> AOUT_RN
[2,4] PB22 >> DMIC_CLK
[2,4] PB21 >> DMIC_DATA0
[4] PA_15 >> HP_DET

Note: MIC cap above should close to 8730EA

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