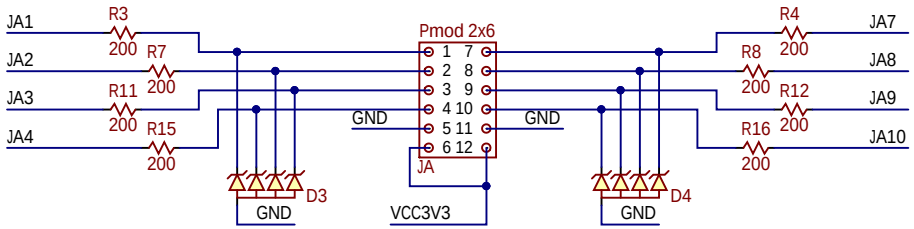

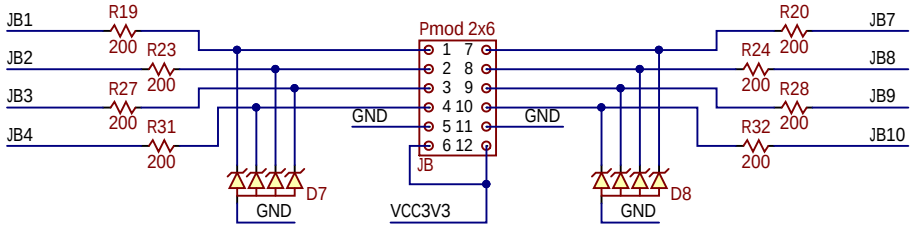

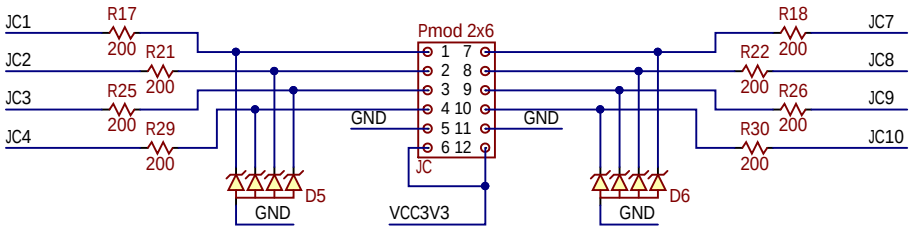

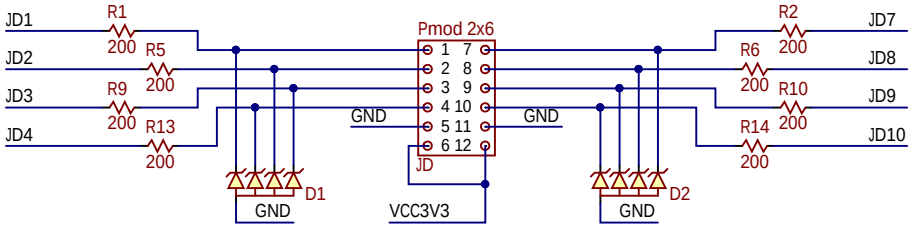

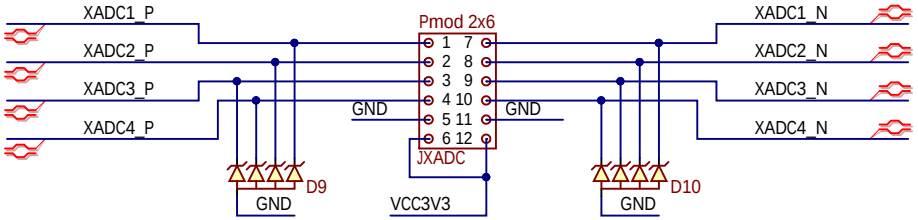

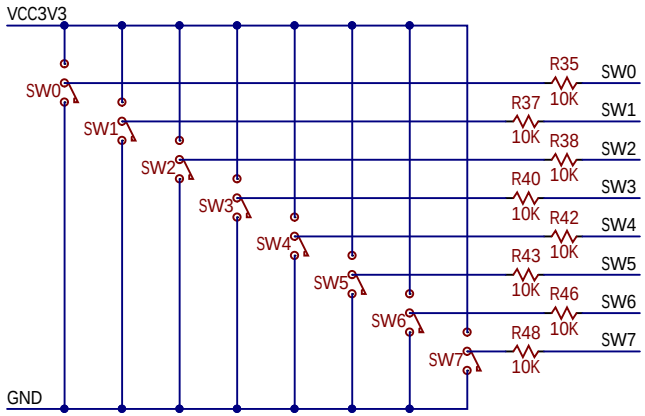

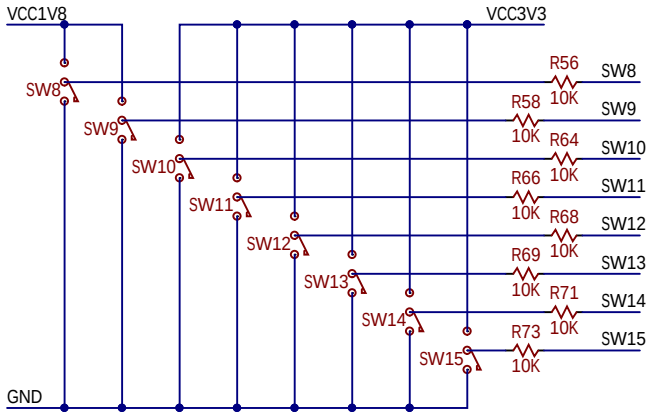

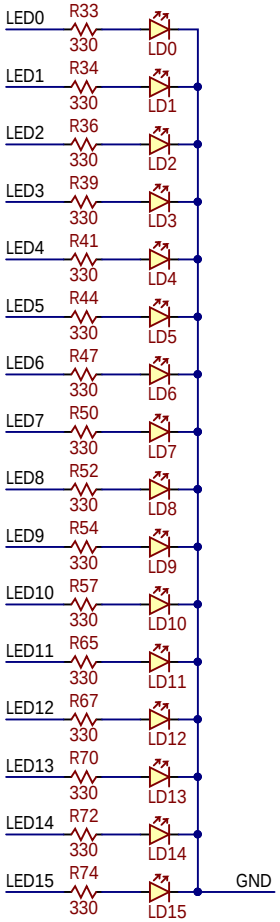

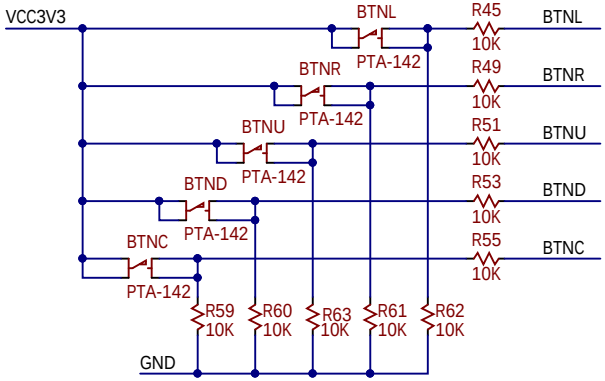

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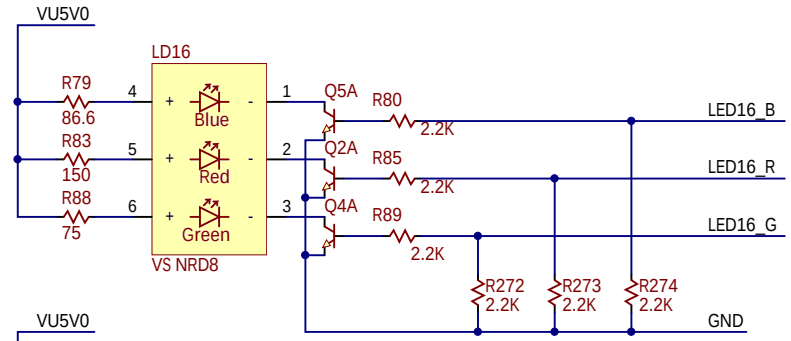

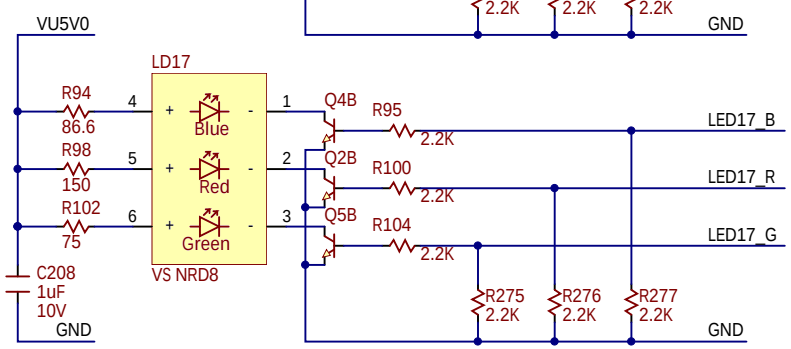

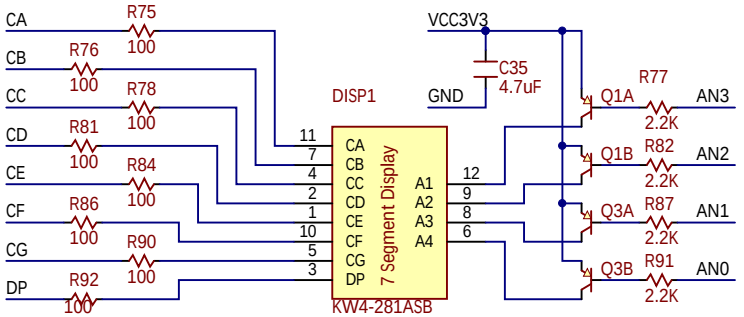

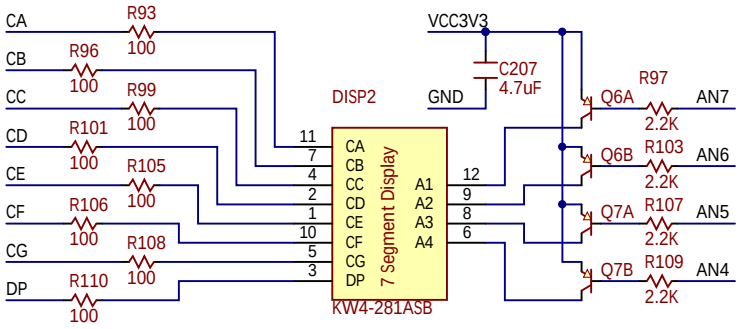

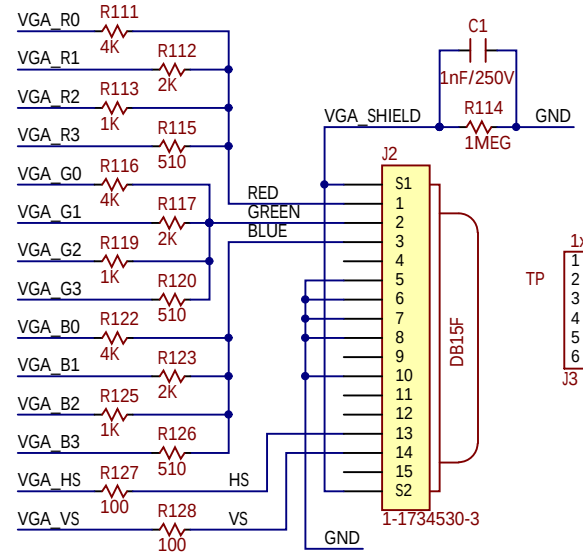

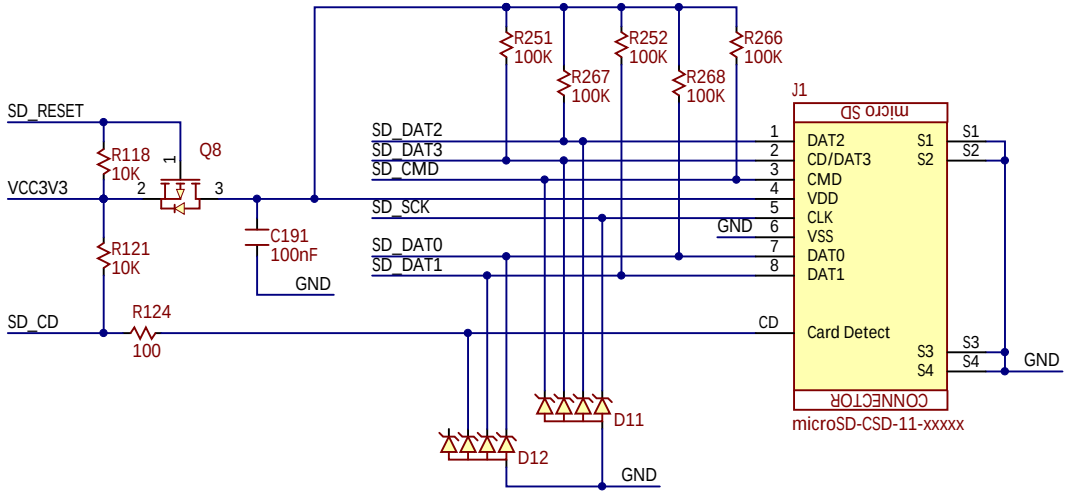

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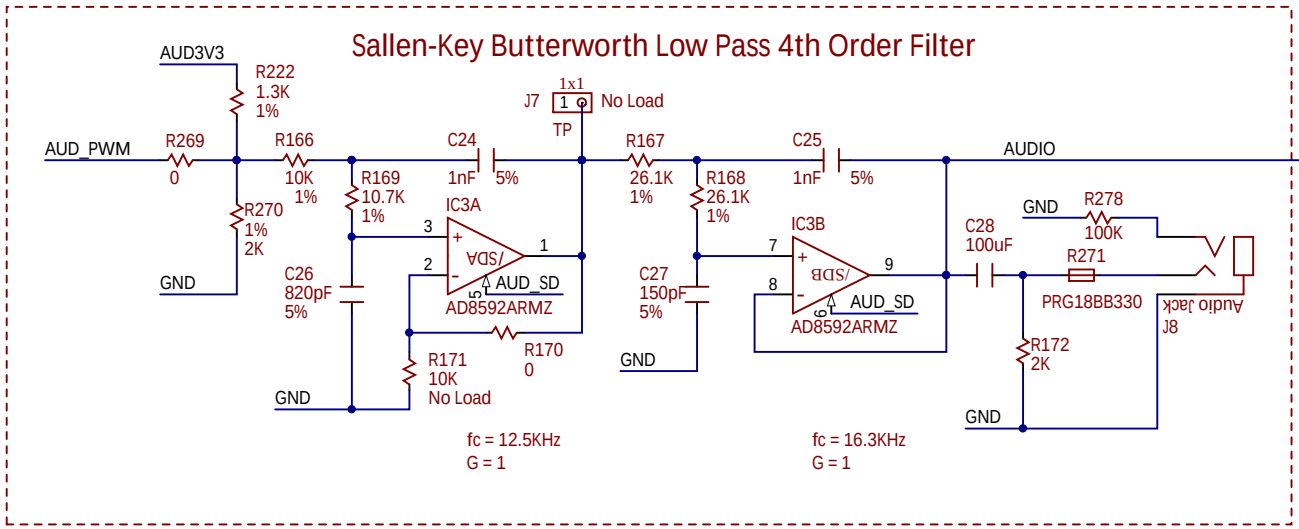
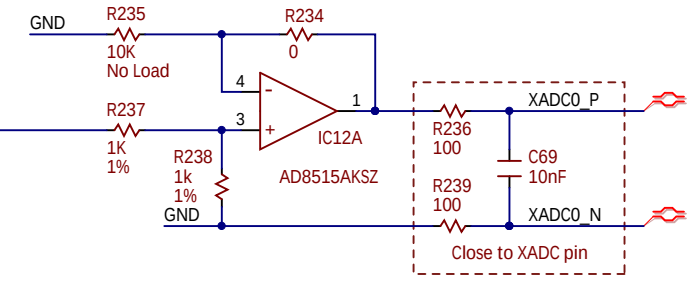
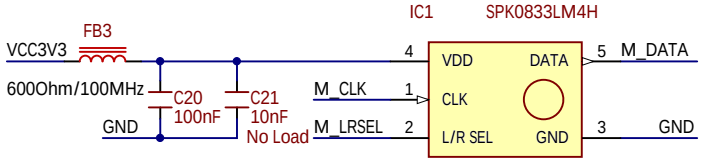
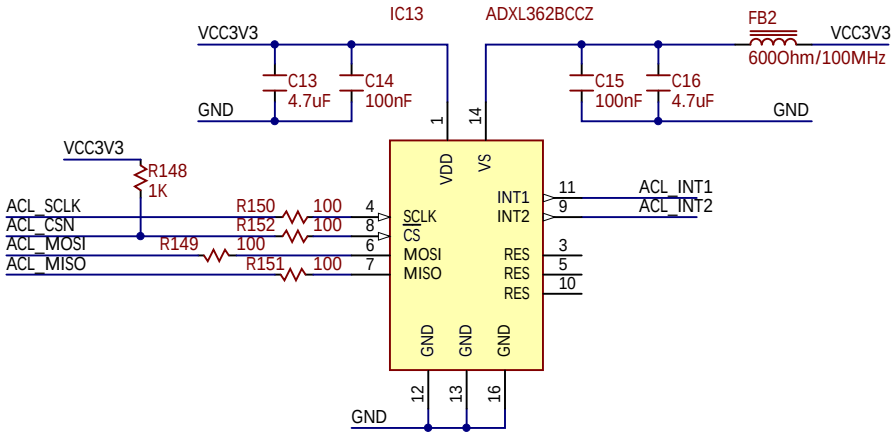
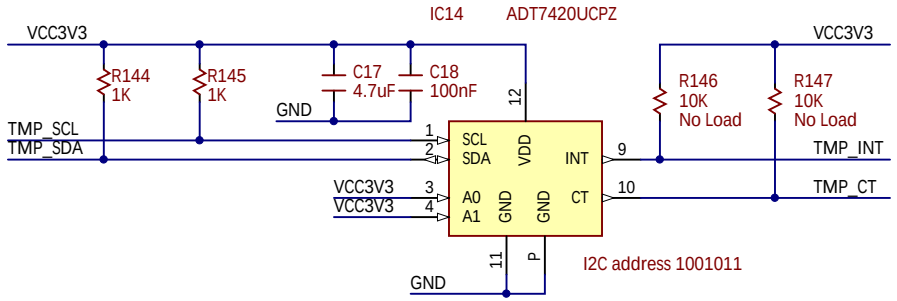
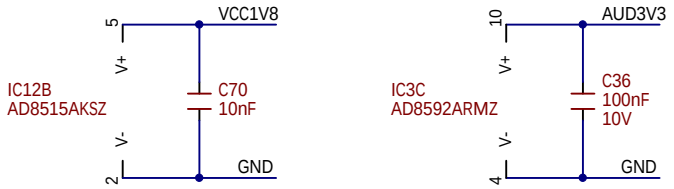

Sallen-Key Butterworth Low Pass 4th Order Filter
AUD3V3
R222 1.3K 1%
AUD_PWM
R269 0
R166 10K 1%
R169 10.7K 1%
R270 1% 2K
GND
C26 820pF 5%
C24 1nF 5%
J7 1x1 No Load
TP
IC3A
AD8592ARMZ
AUD_SD
R171 10K No Load
R170 0
fc = 12.5KHz
G = 1
R167 26.1K 1%
R168 26.1K 1%
C27 150pF 5%
C25 1nF 5%
IC3B
AD8592ARMZ
AUD_SD
fc = 16.3KHz
G = 1
AUDIO
C28 100uF
GND
R278 100K
R271
PRG18BB330
Audio Jack
J8
R172 2K











For more information on the parts used in this design, please refer to:

http://www.analog.com/ad8592 (CMOS Single Supply RRIO Dual Op Amp with±250 mA Output Current and Shutdown Mode)

http://www.analog.com/ad8515 (1.8 V Low Power CMOS Rail-to-Rail Input/Output Operational Amplifier)

http://www.analog.com/adxl362 (Micropower, 3-Axis, ±2 g/±4 g/±8 g Digital Output MEMS Accelerometer)

http://www.analog.com/adt7420 (±0.25°C Accurate, 16-Bit Digital I2C Temperature Sensor)

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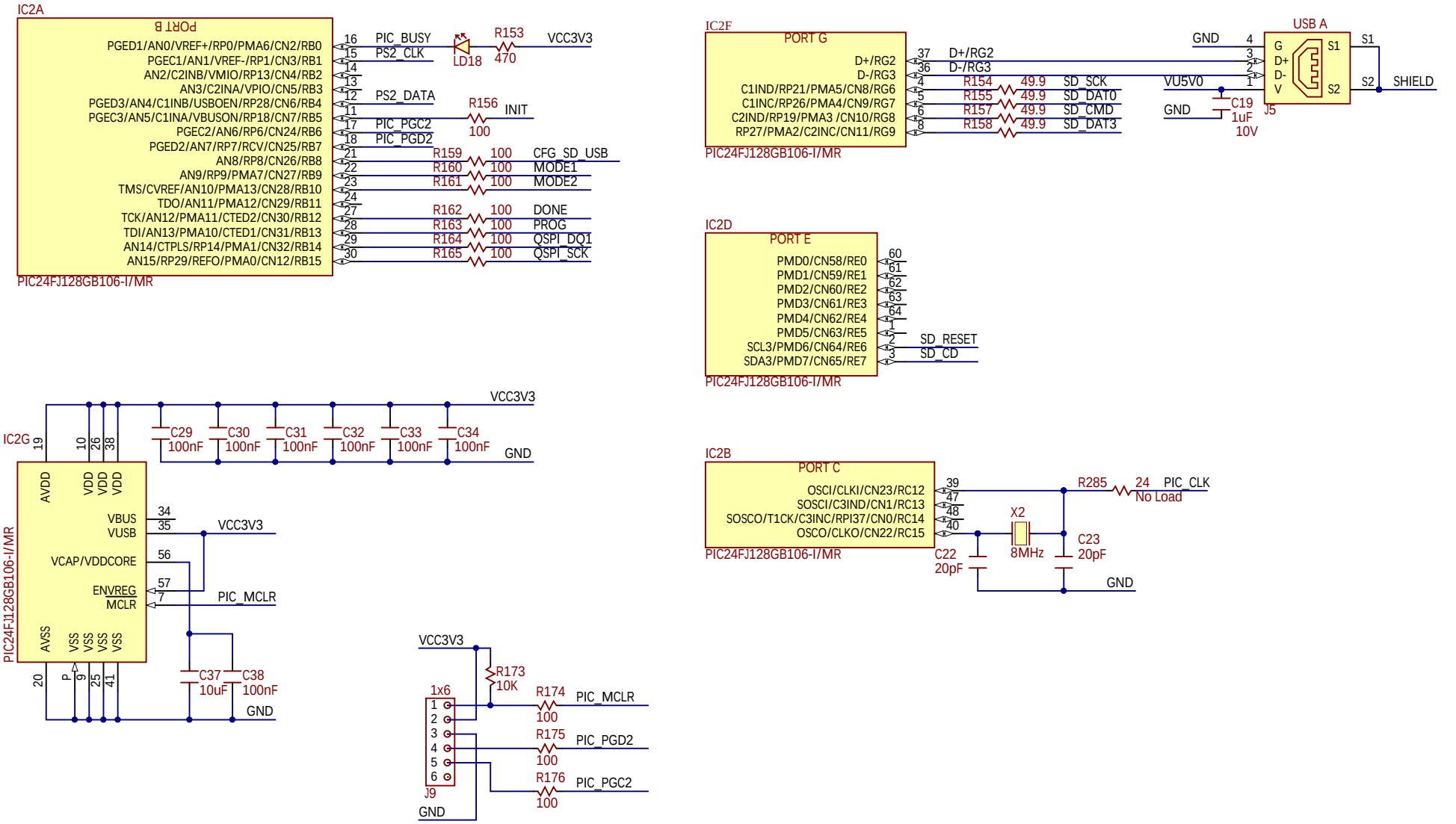

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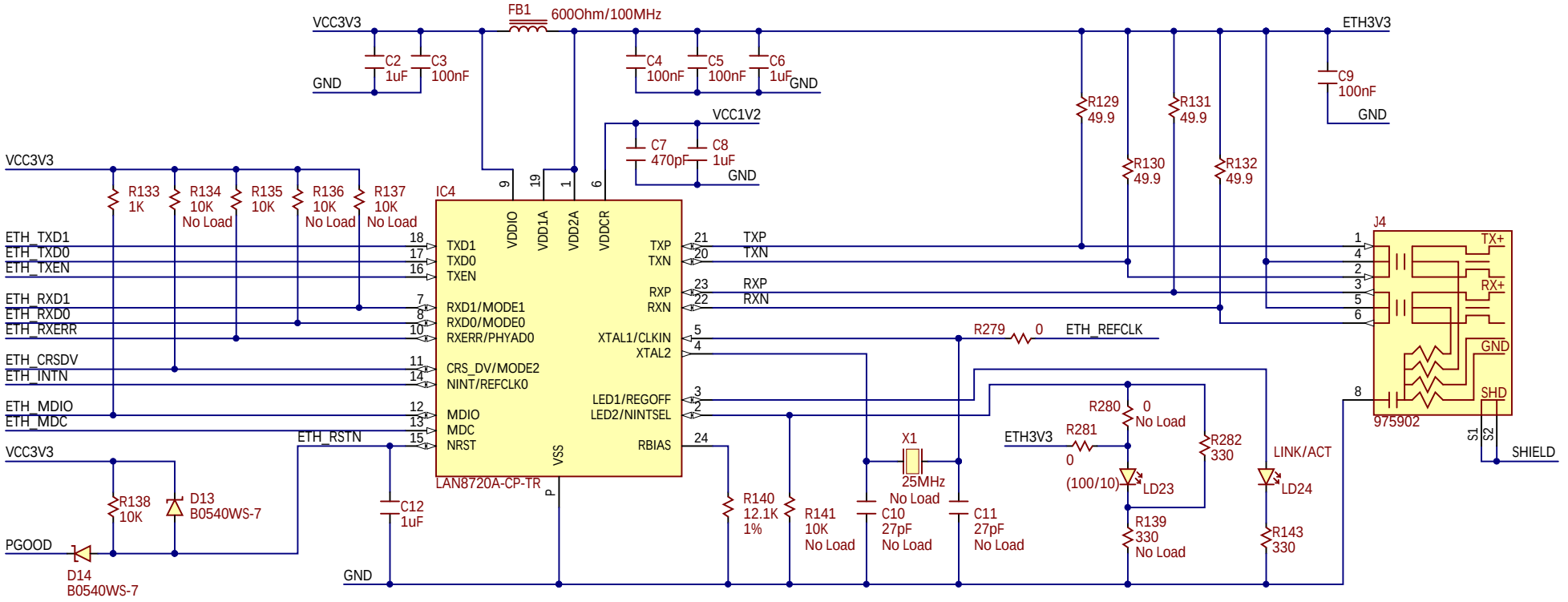

NOTE: REF_CLK In Mode (ETH_REFCLK = 50MHz)

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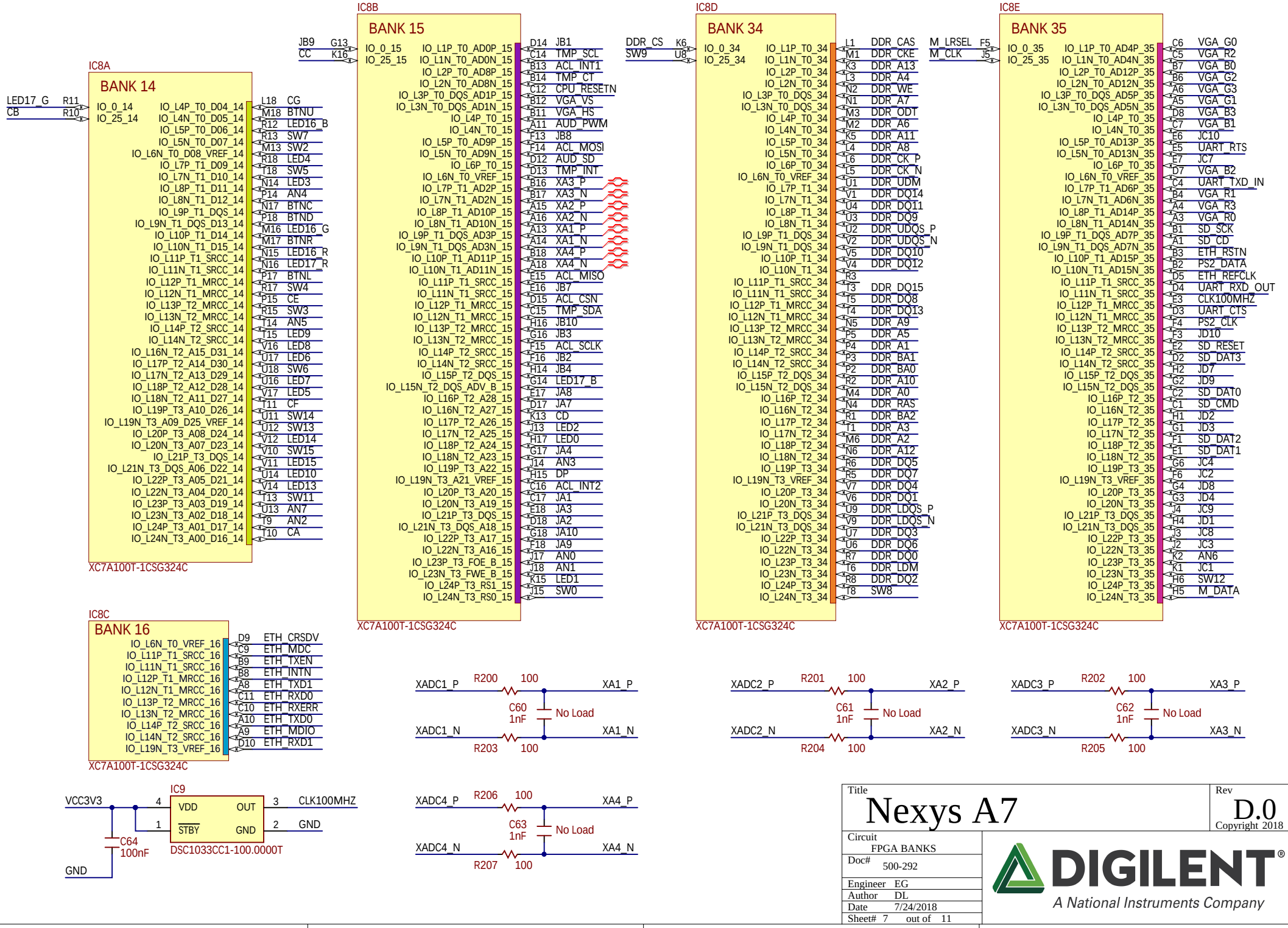
IC8A
BANK 14
XC7A100T-1CSG324C
IC8B
BANK 15
XC7A100T-1CSG324C
IC8C
BANK 16
XC7A100T-1CSG324C
IC8D
BANK 34
XC7A100T-1CSG324C
IC8E
BANK 35
XC7A100T-1CSG324C
IC9
DSC1033CC1-100.0000T
C60 1nF No Load
C61 1nF No Load
C62 1nF No Load
C63 1nF No Load
C64 100nF
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Circuit
FPGA BANKS
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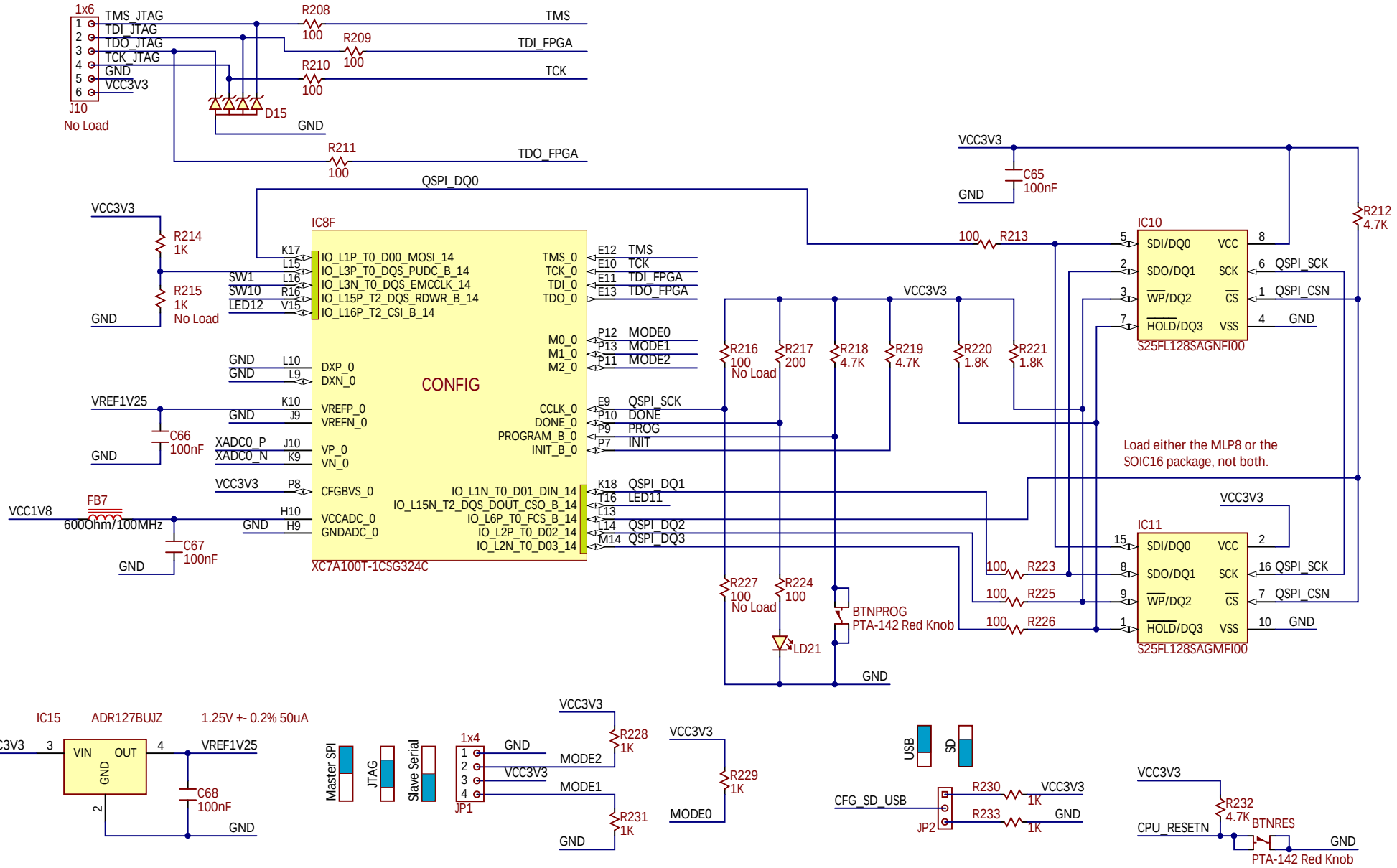

For more information on the parts used in this design, please refer to:

http://www.analog.com/adr127 (Precision, Micropower LDO Voltage References in TSOT)

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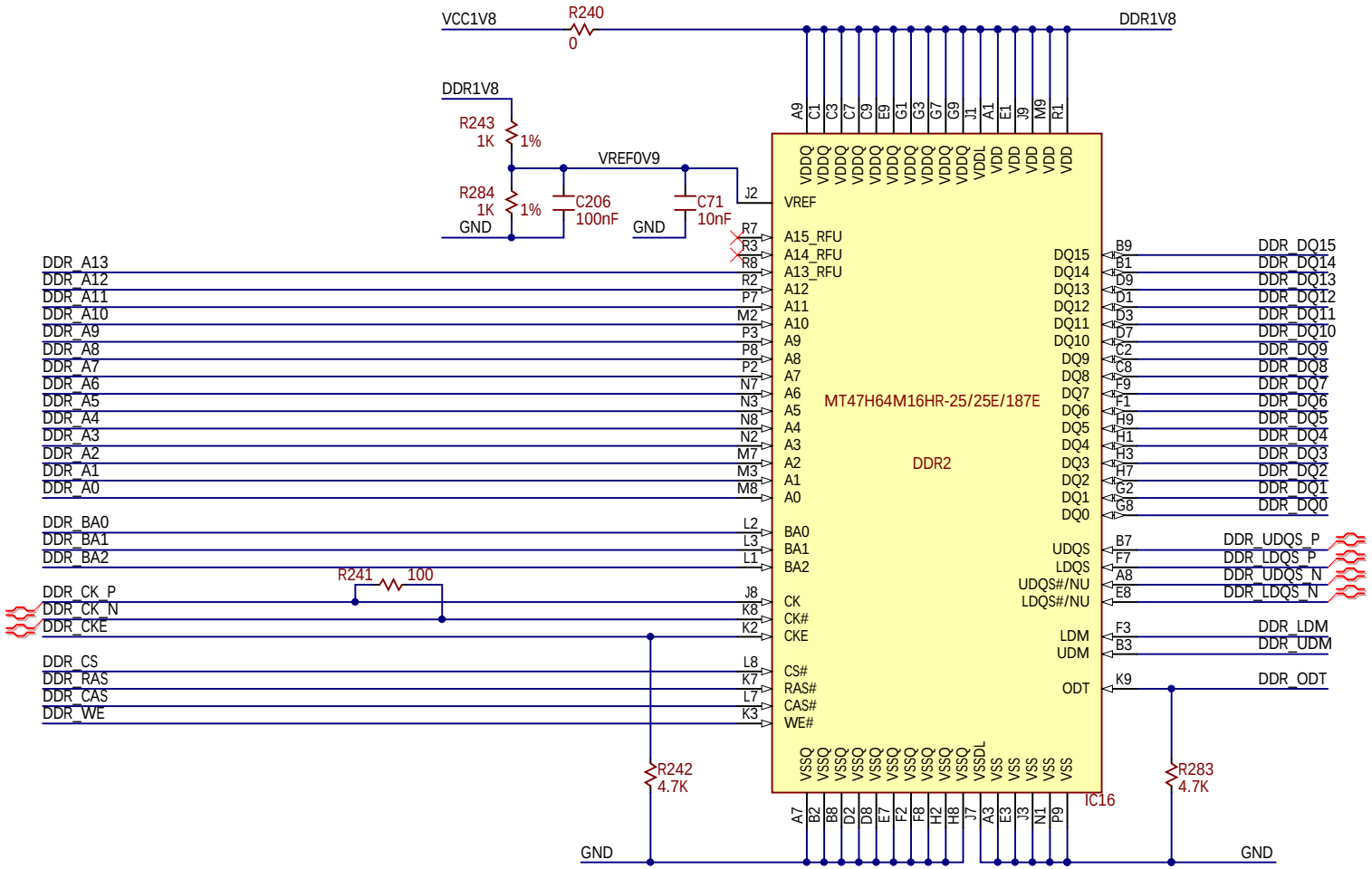

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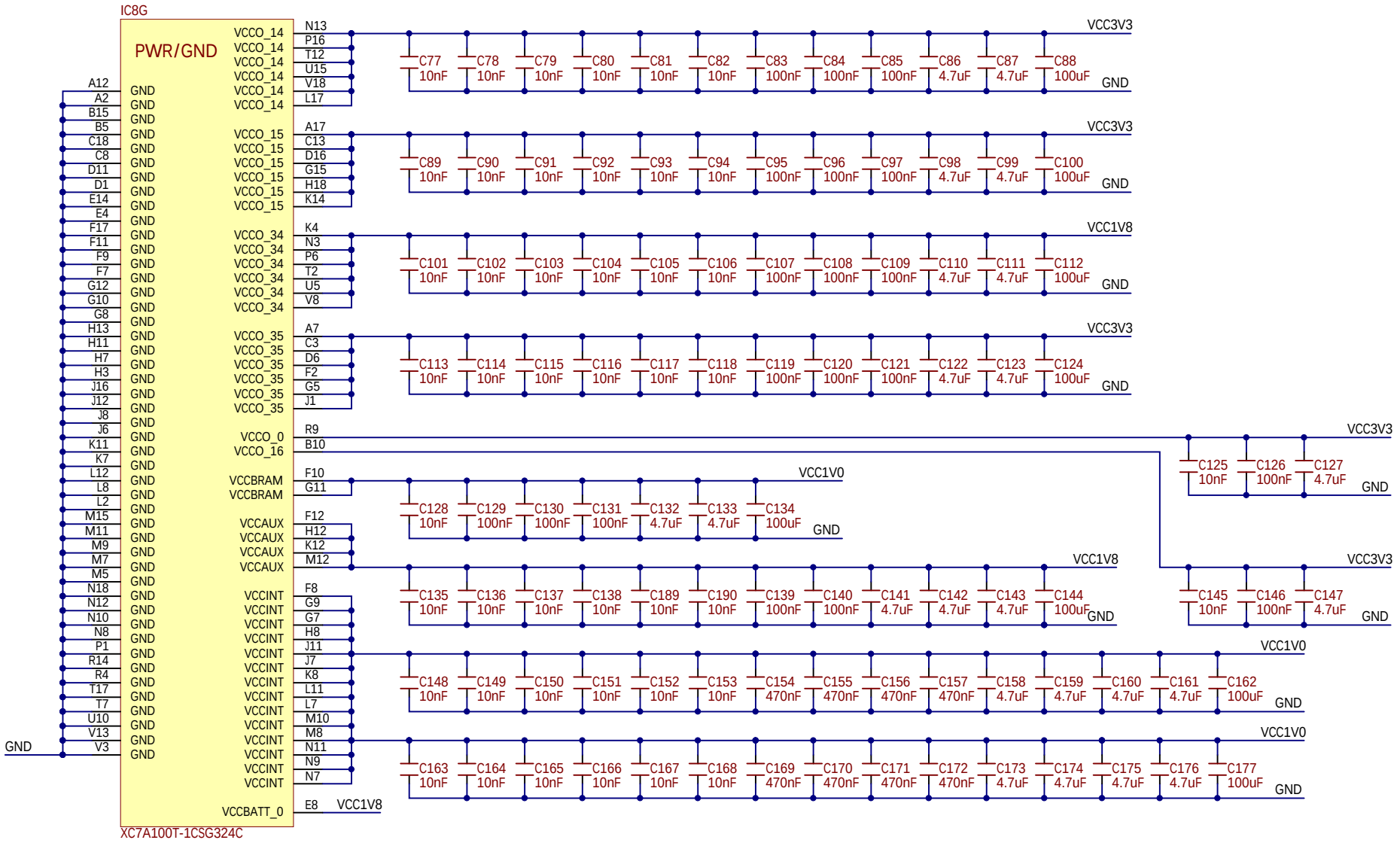

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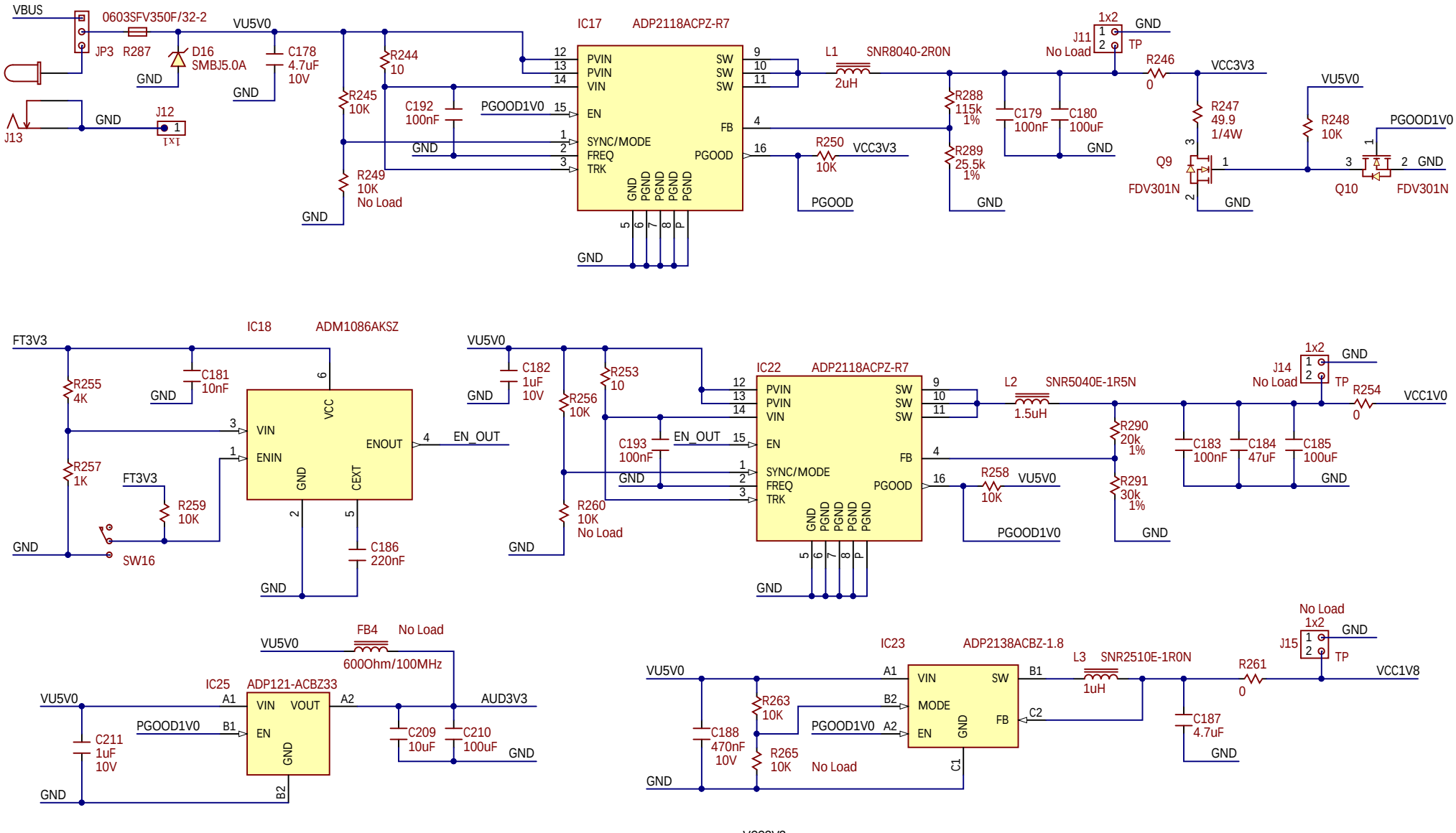

For more information on the parts used in this design, please refer to:

http://www.analog.com/adp2118 (3 A, 1.2 MHz/600 kHz High Efficiency Synchronous Step-Down DC-to-DC Regulator)

http://www.analog.com/adm1086 (Voltage Sequencer with Active High, Push-Pull Enable Output)

http://www.analog.com/adp2138 (Compact, 800 mA, 3 MHz, Step-Down DC-to-DC Converter)

http://www.analog.com/adp121 (CMOS Linear Regulator, 150 mA, Low Quiescent Current)

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