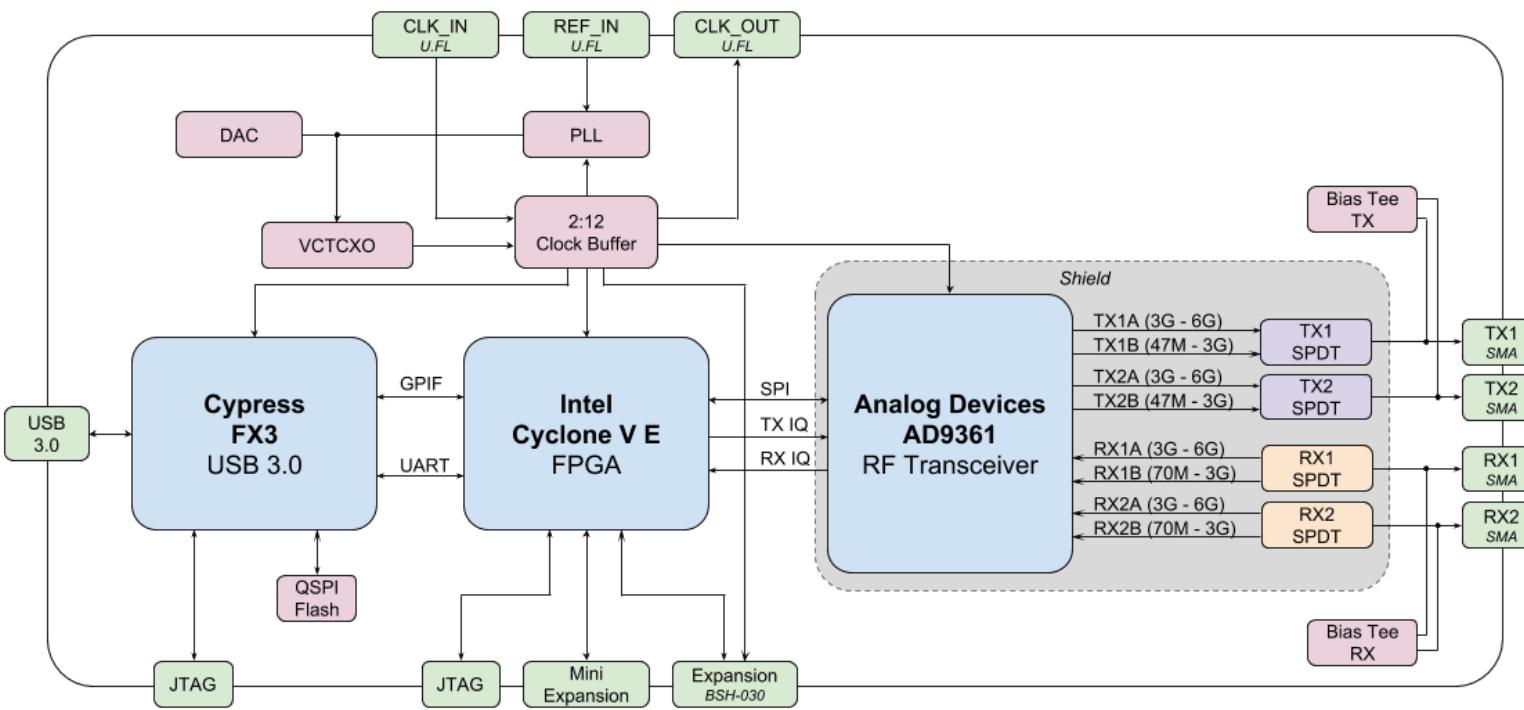
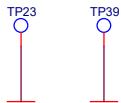
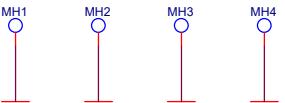


bladerRF 2.0 micro - USB 3.0 Software Defined Radio



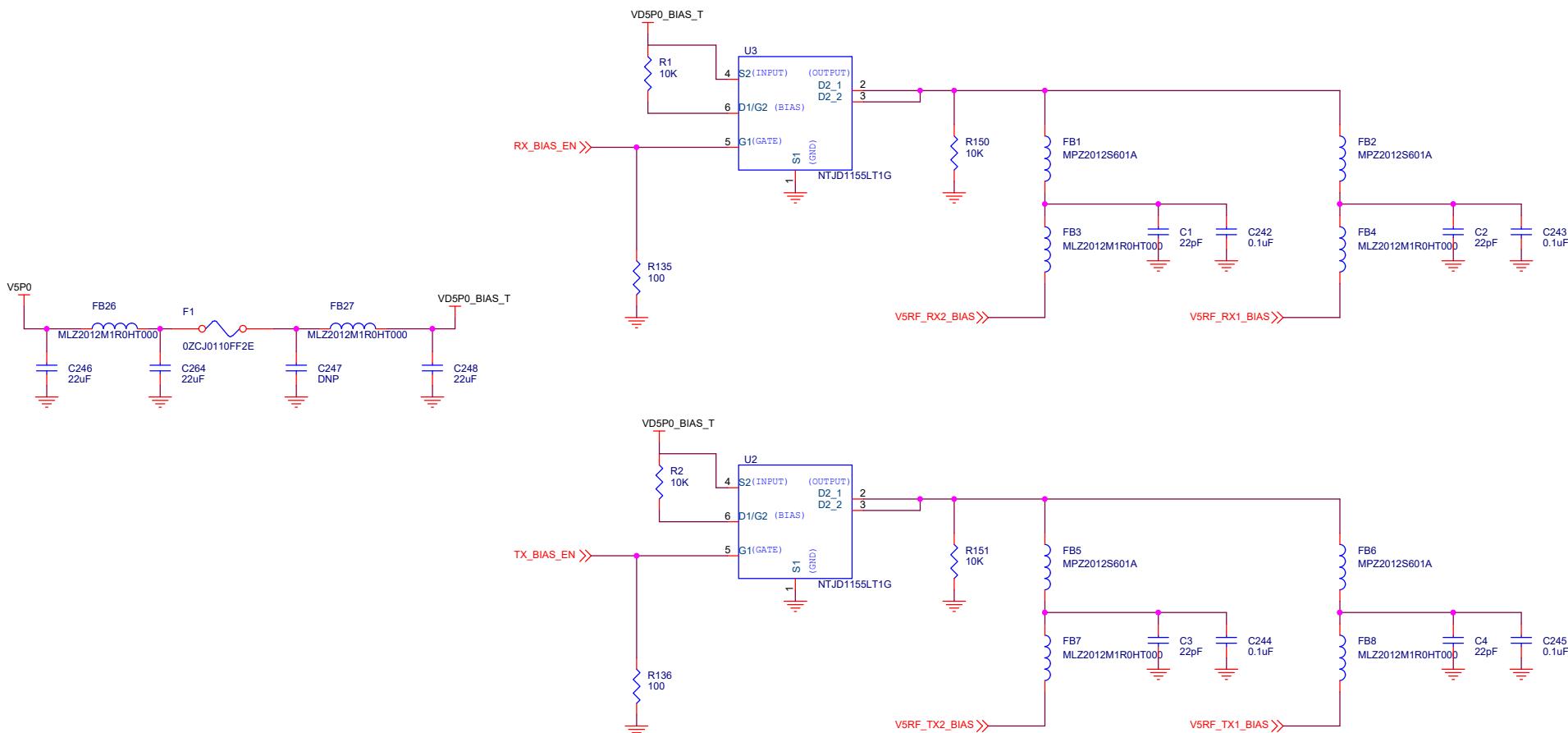
MOUNTING HOLES - 80 mil holes
120 annular ring
to be placed in each corner of board

Scatter these testpoints throughout the design.
Testpoints will be PTH



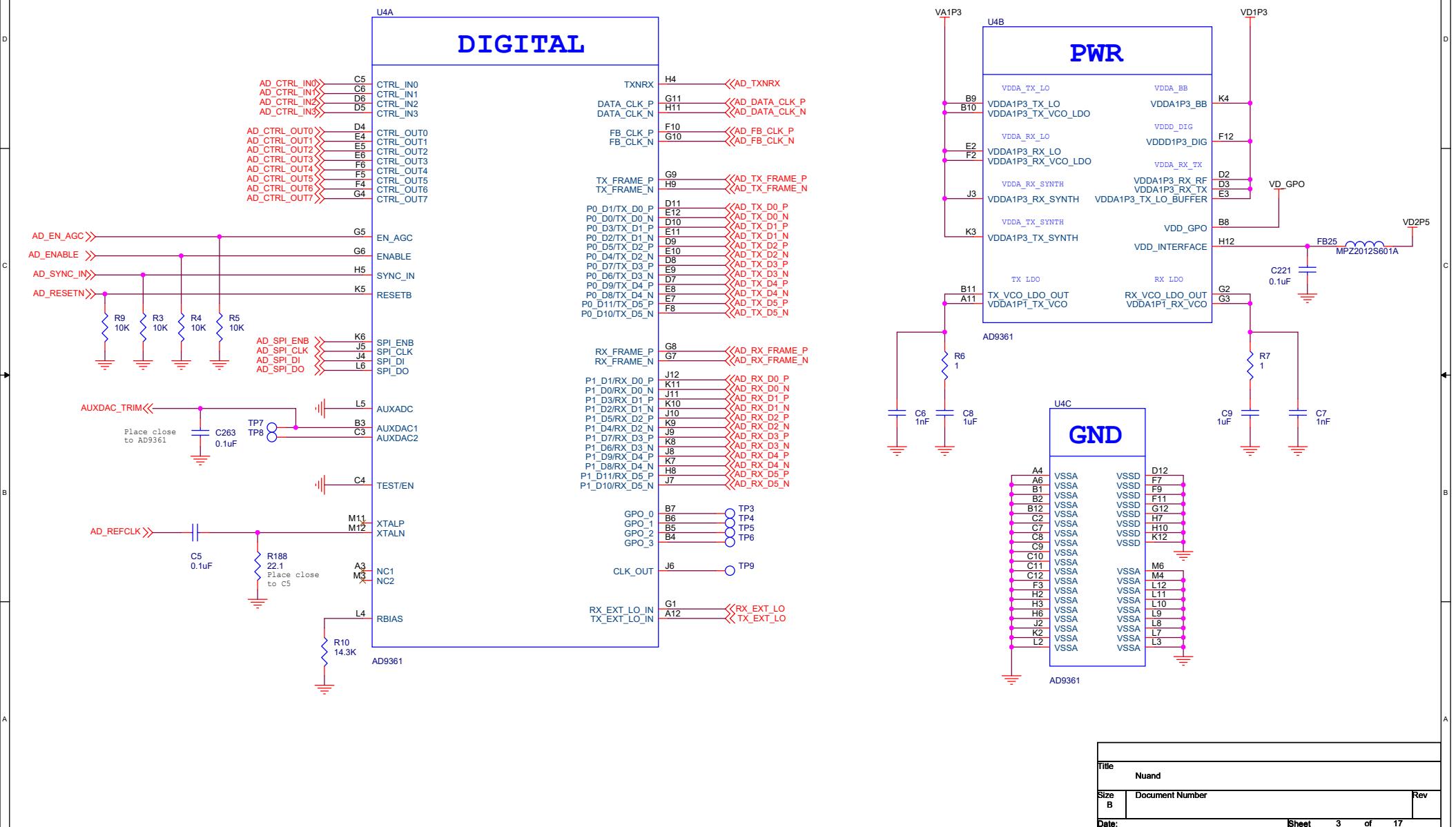
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RF SMA BIAS TEE

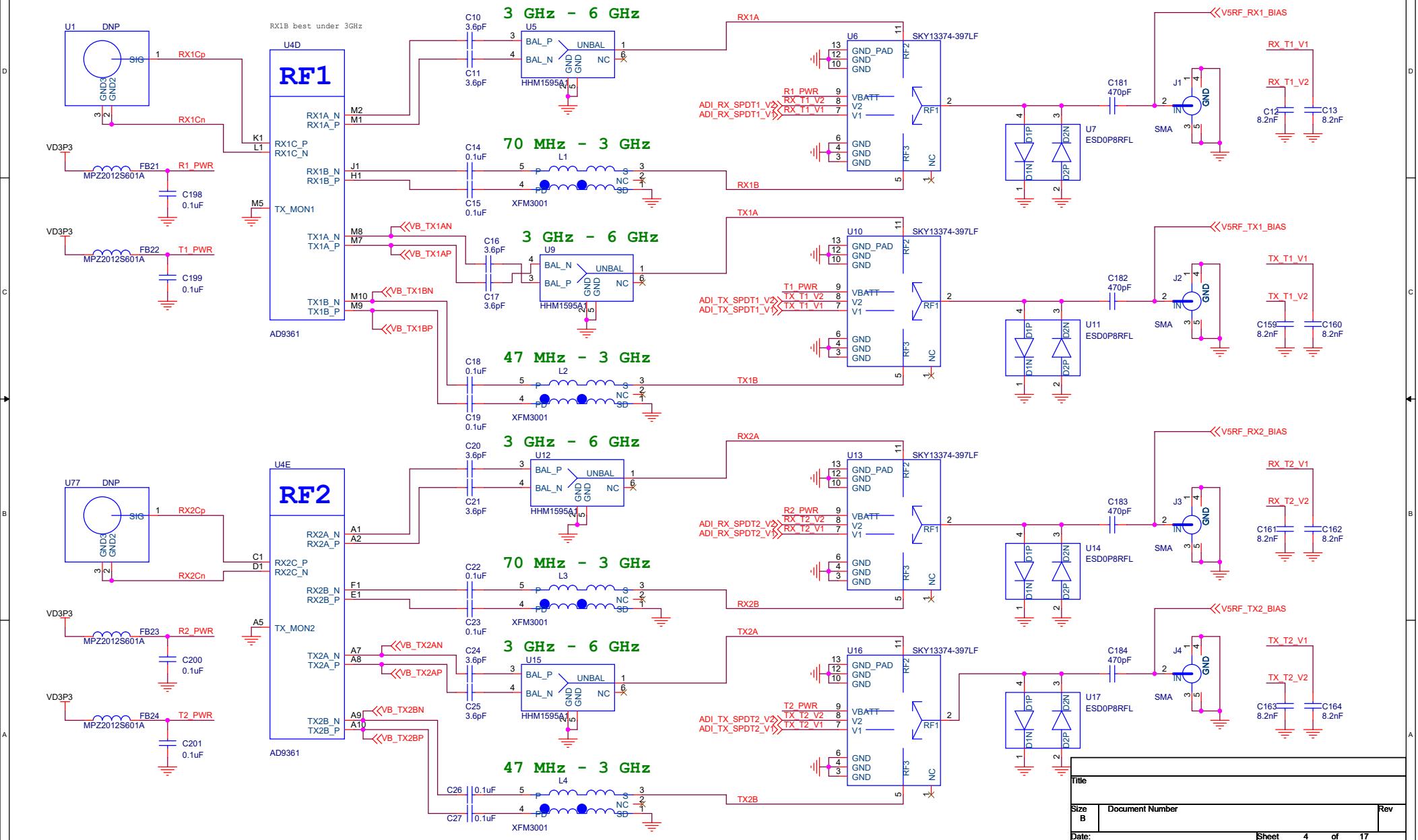


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AD9361 - Digital

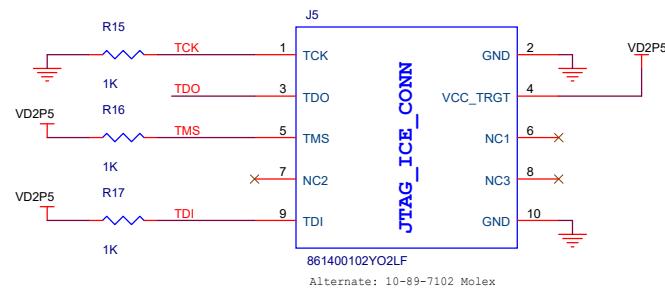
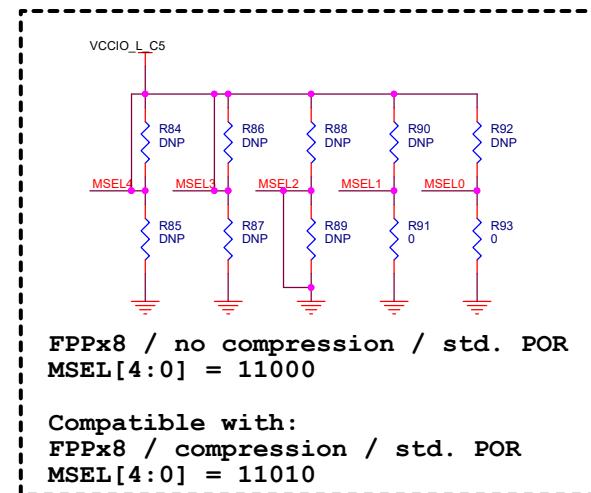
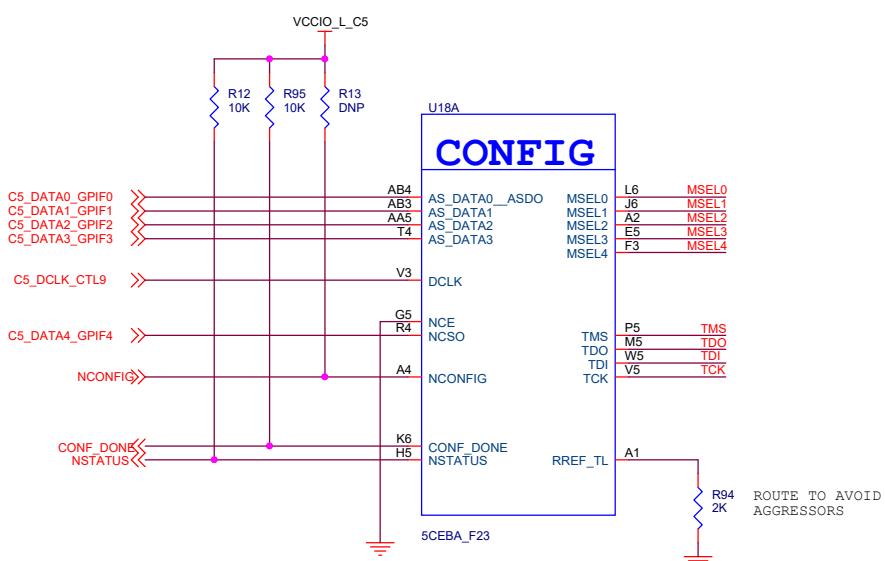


AD9361 - 2x2 MIMO RF (47MHz - 6GHz)



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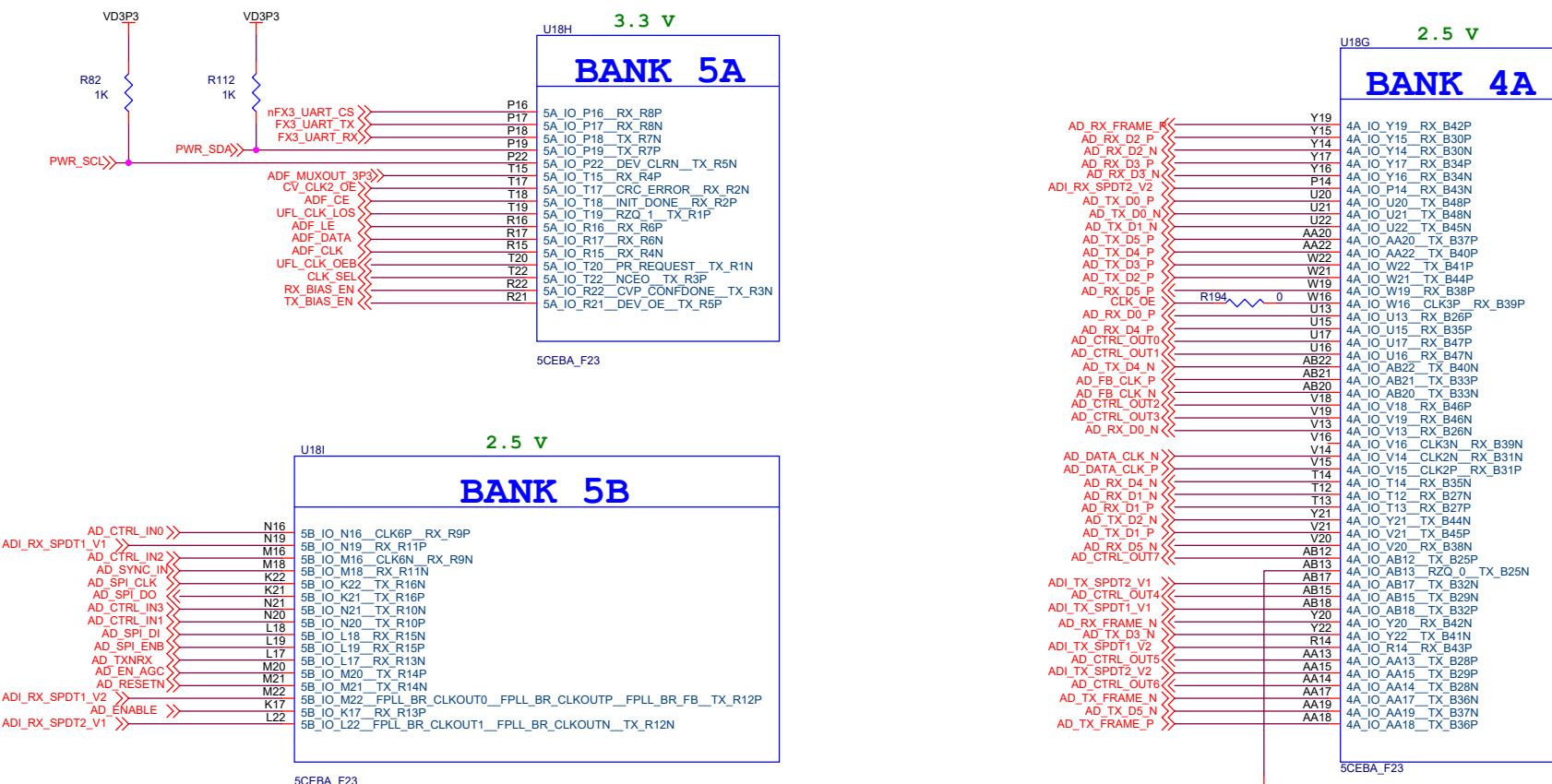
CYCLONE V - CONFIGURATION



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Size	Document Number
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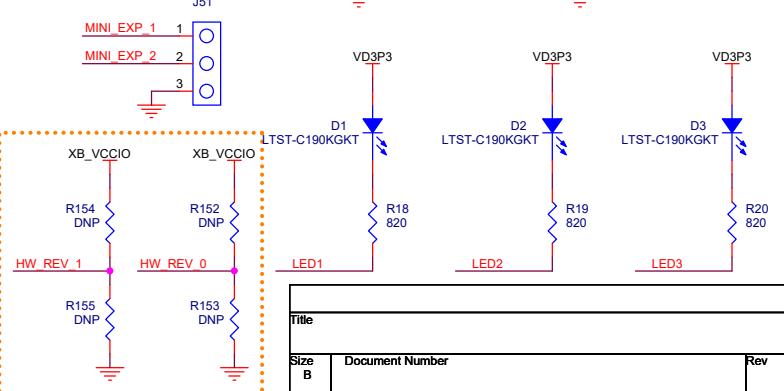
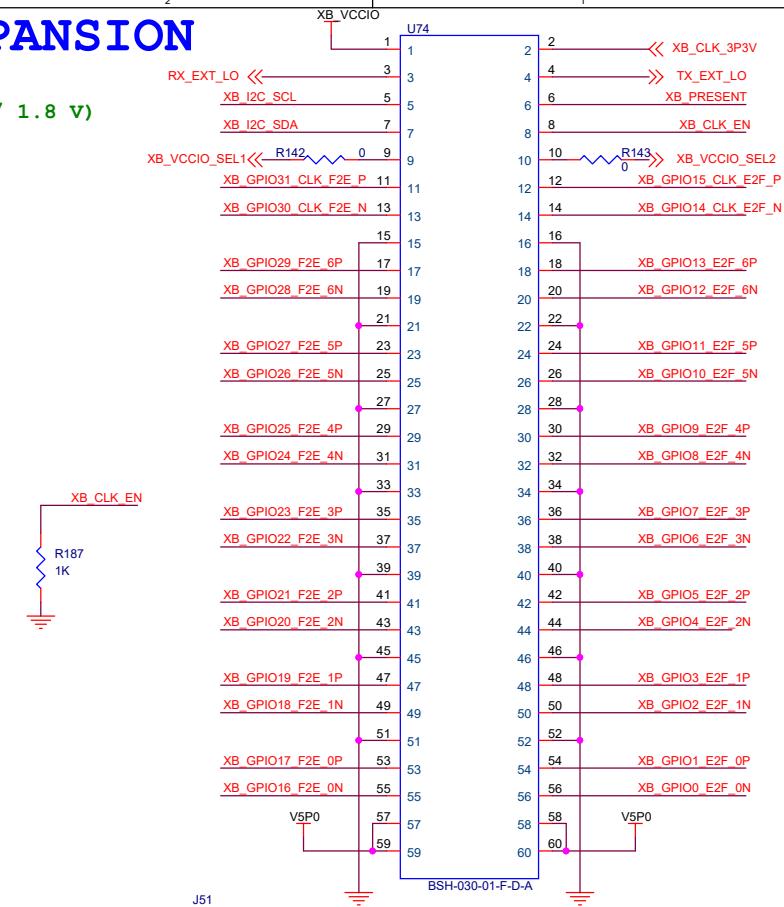
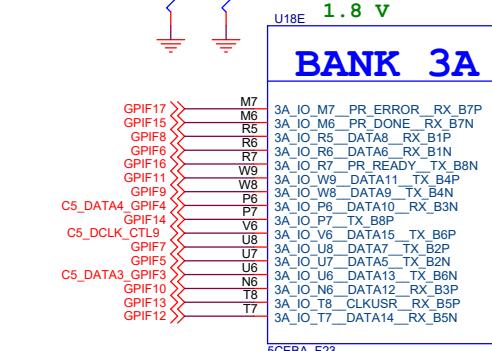
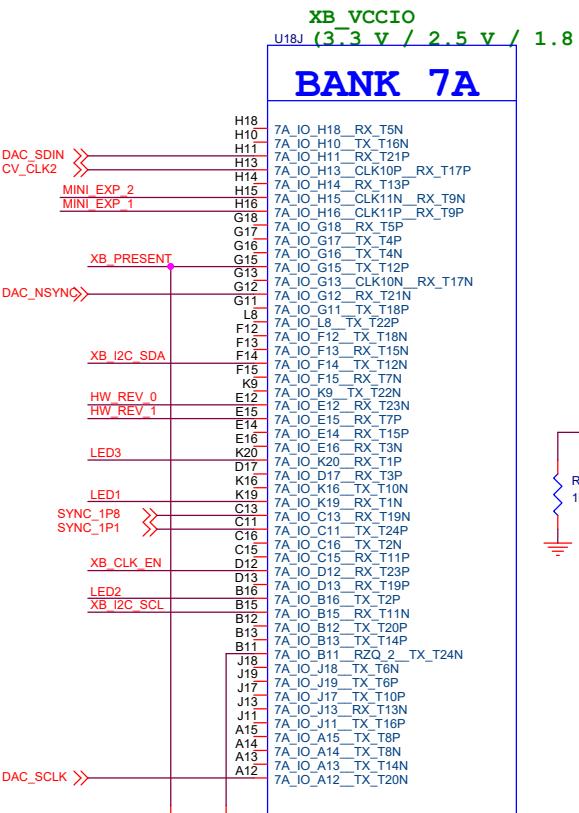
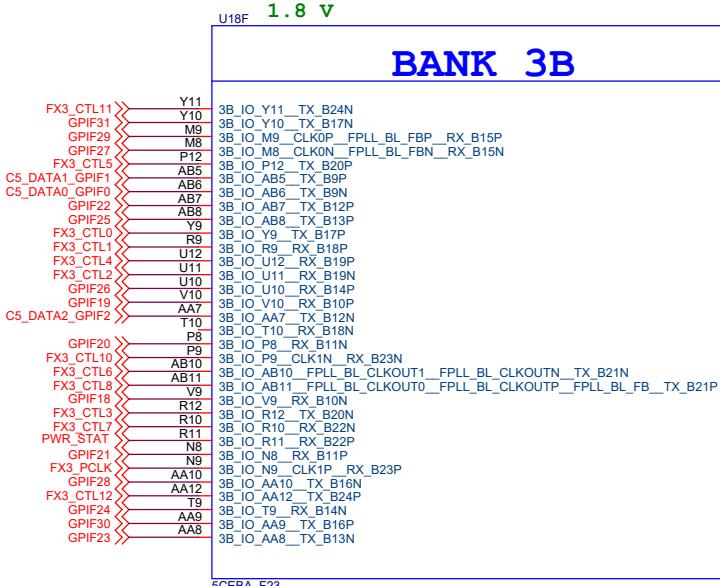
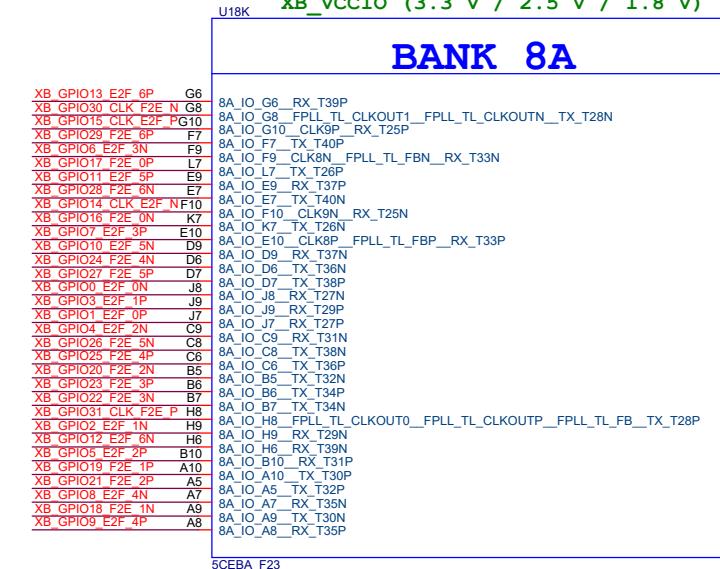
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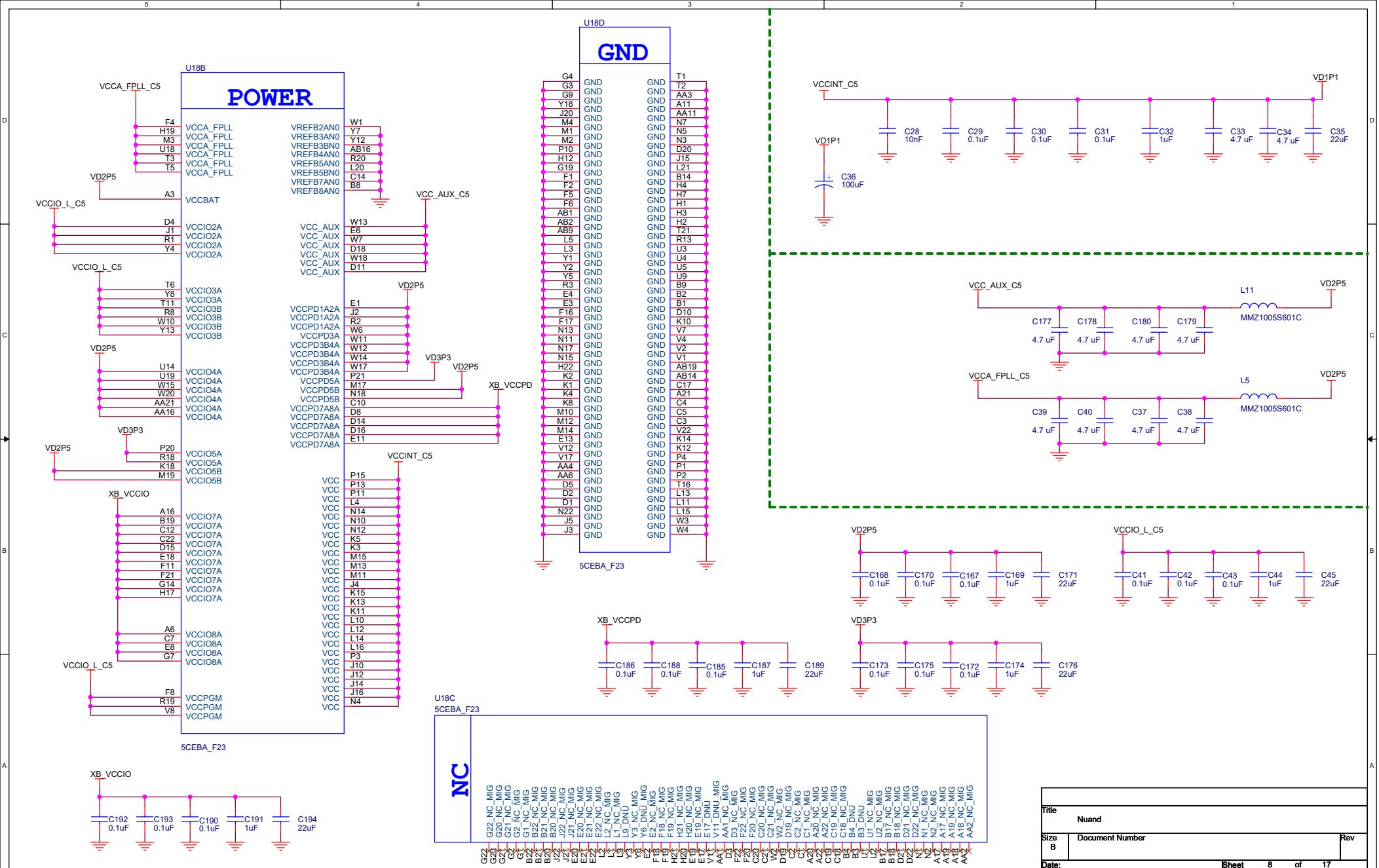
CYCLONE V - BANKS 4A / 5A / 5B



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CYCLONE V - BANKS 3A / 3B / 7A / 8A / EXPANSION

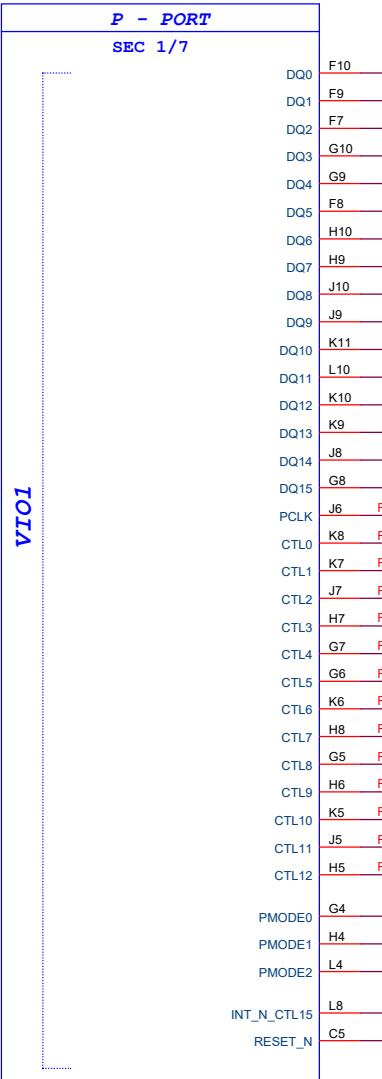




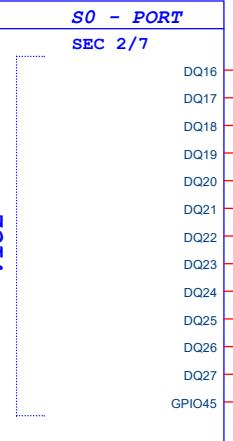
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FX3 GPIOF + BOOT

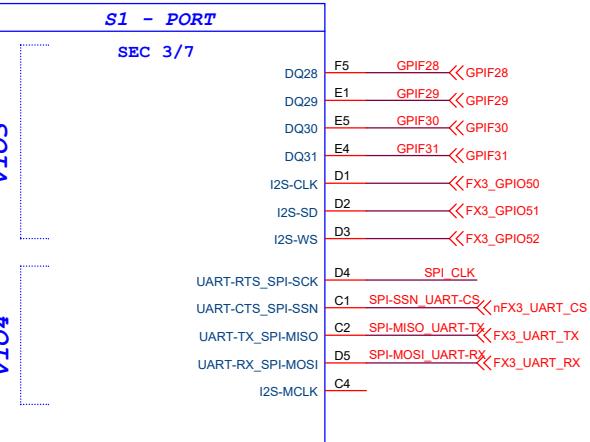
U19A



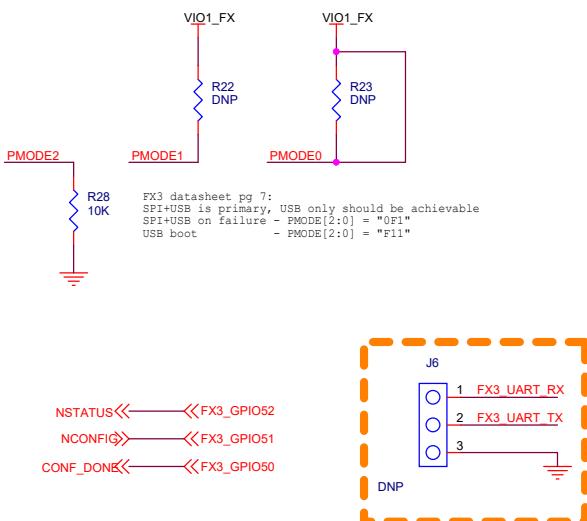
U19B



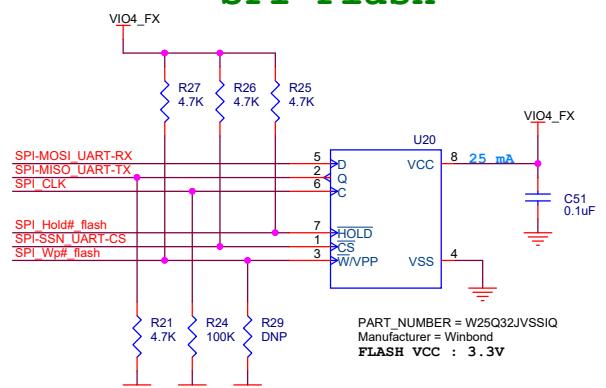
U19C



PMODE [2..0]

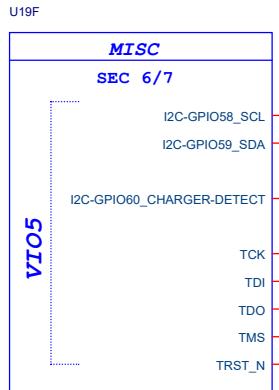


SPI Flash



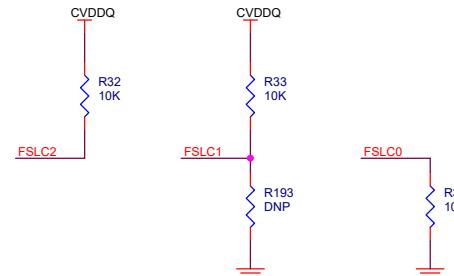
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FX3 DEBUG + CLOCK SEL

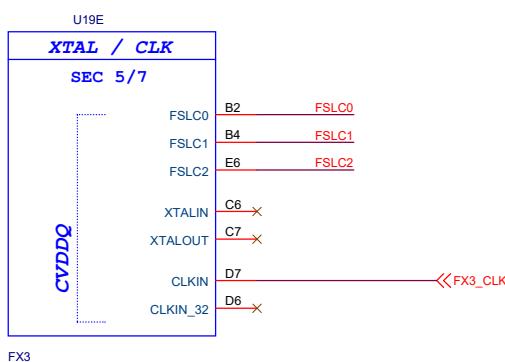
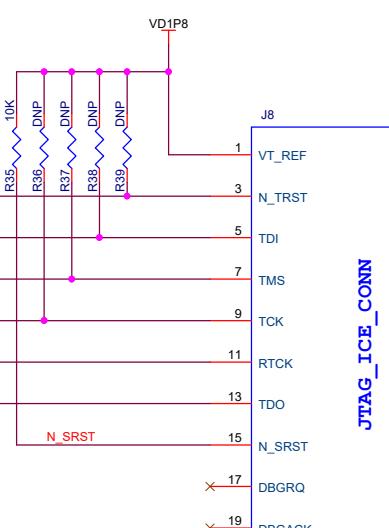


FSLC[2..0]

FX3 datasheet Pg 8:
38.4MHz input CLK - FSLC[2:0] = "110"

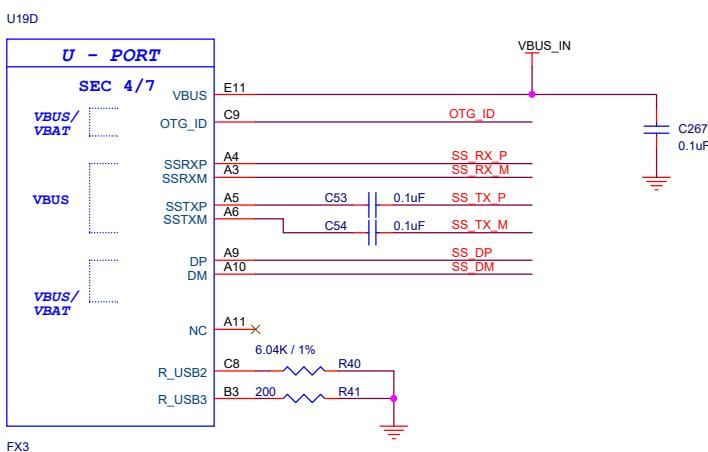


FX3 JTAG

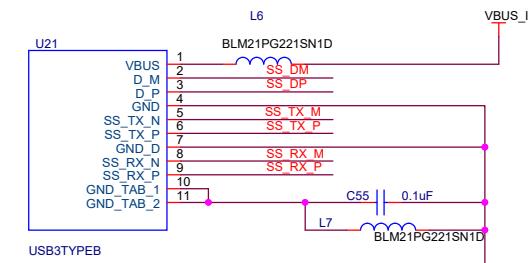


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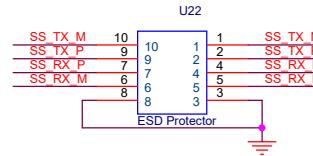
USB CONNECTIONS



USB3.0 TYPE B

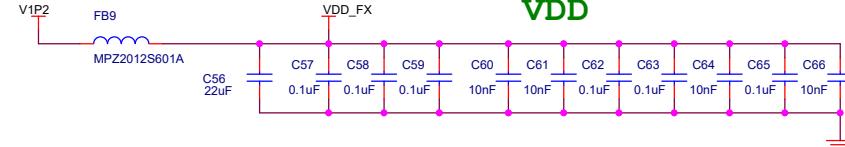
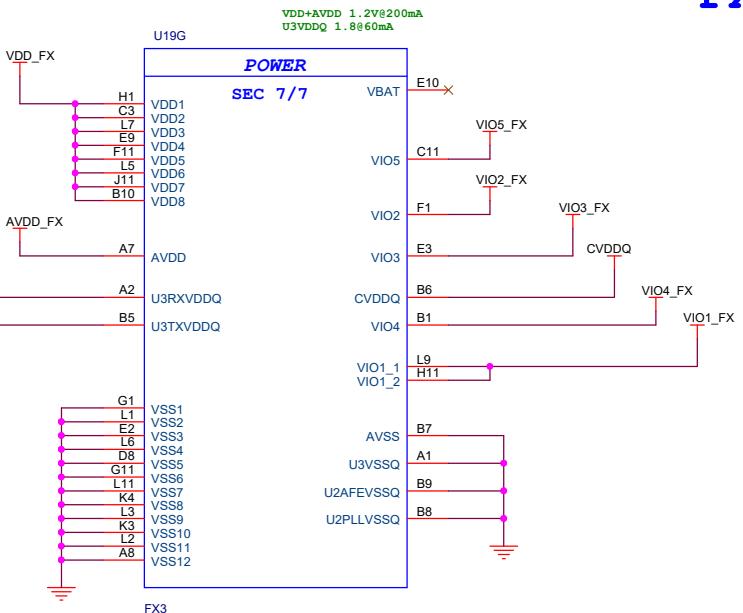


ESD DEVICE

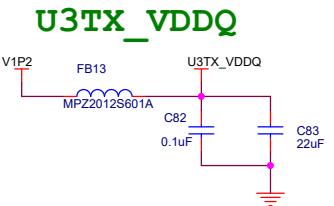
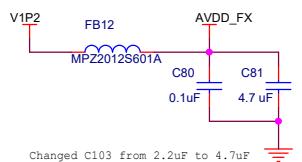


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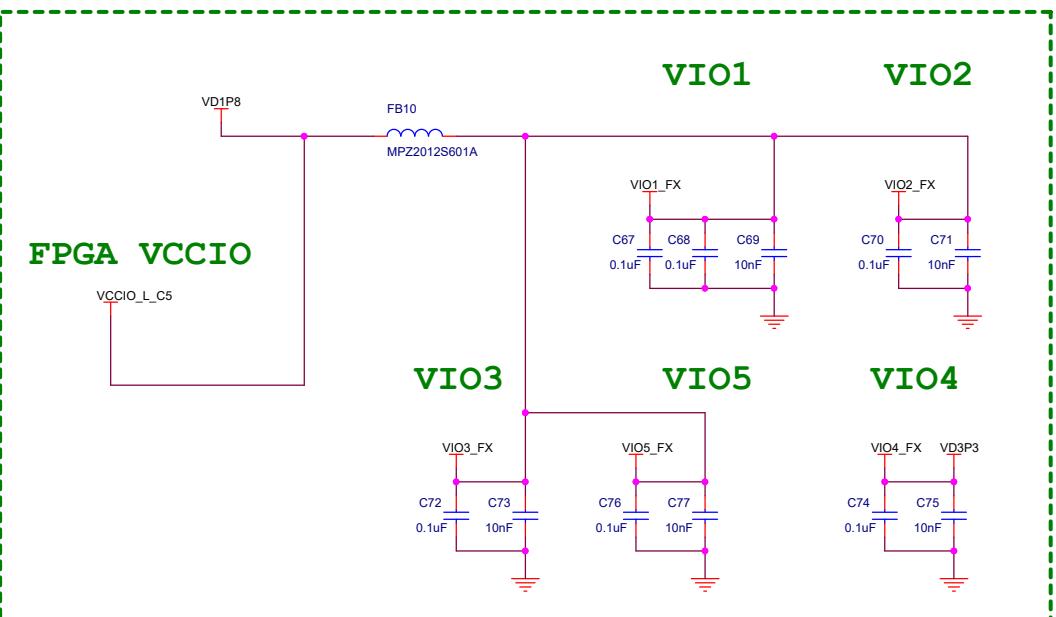
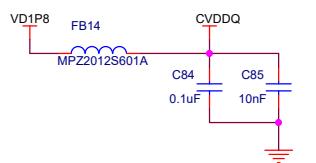
FX3 POWER



AVDD



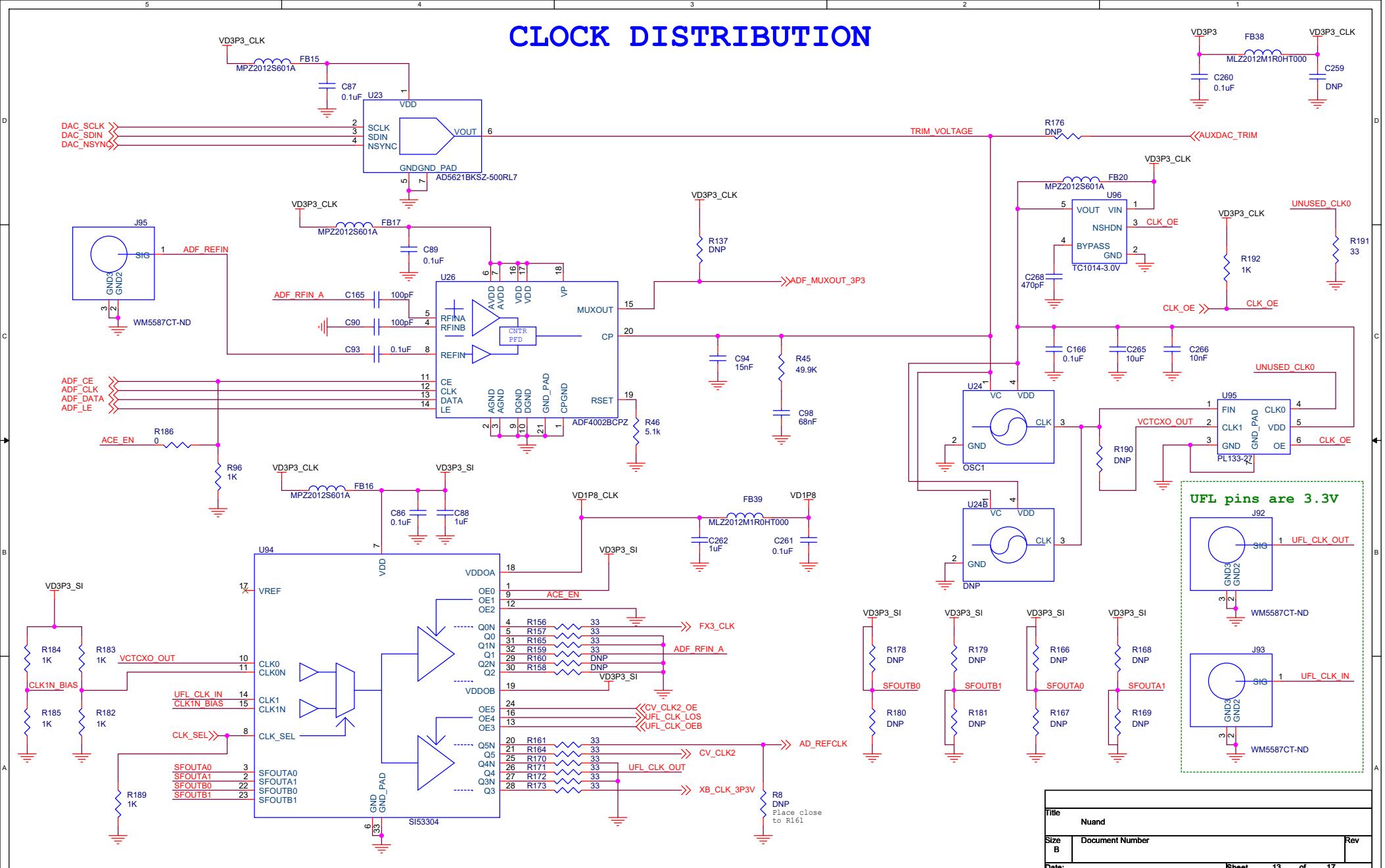
CVDDQ



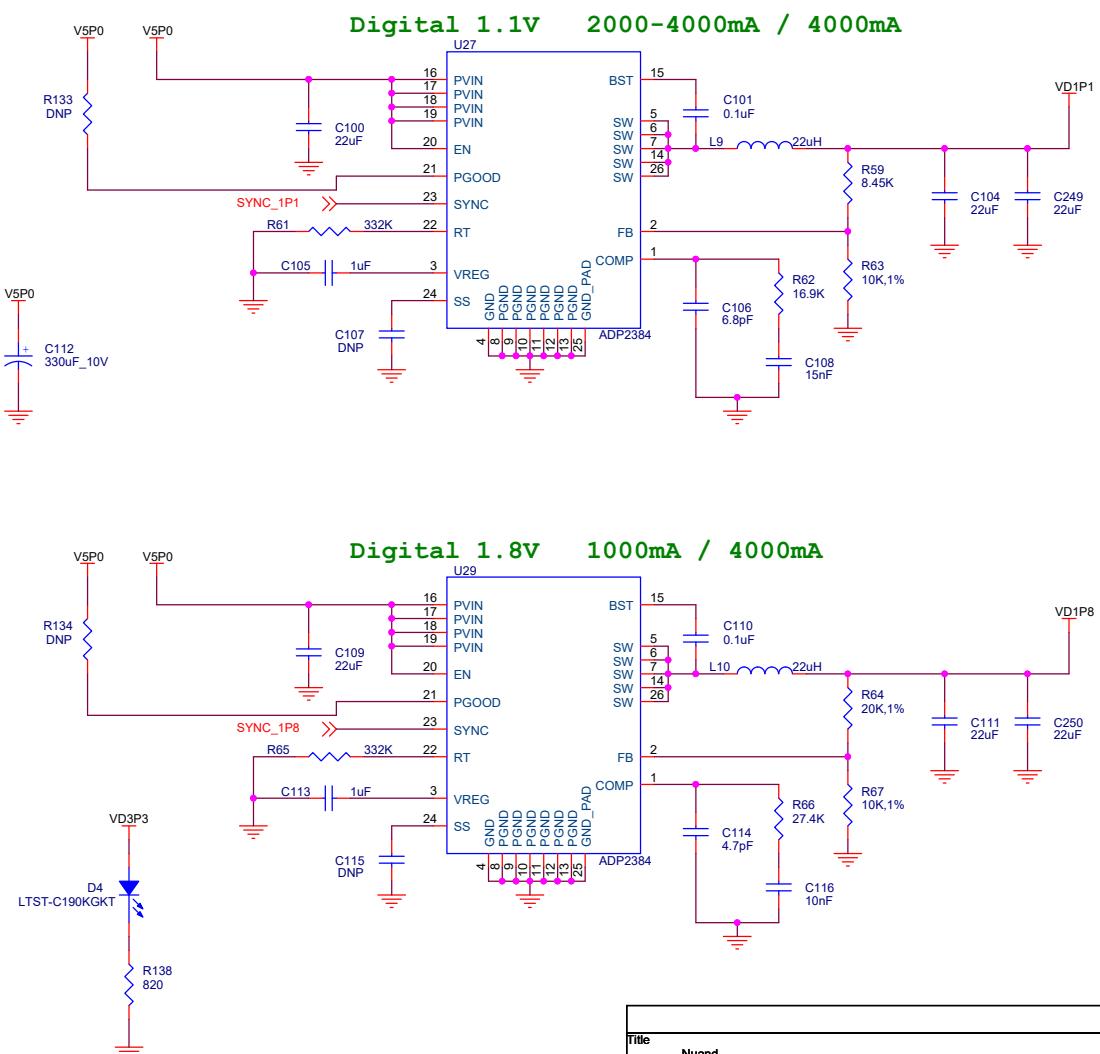
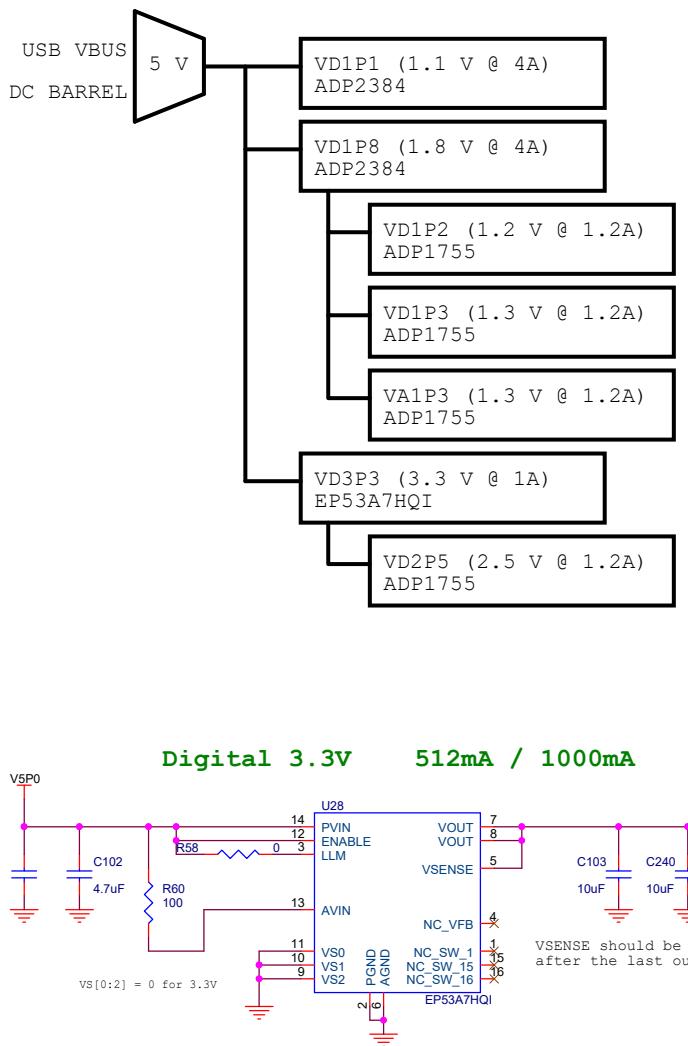
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U3TX_VDDQ	= V1P2
AVDD	= V1P2
CVDDQ	= V1P8
VDD	= V1P8
VIO1	= V1P8
VIO2	= V1P8
VIO3	= V1P8
VIO4	= V3P3
VIO5	= V1P8

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CLOCK DISTRIBUTION

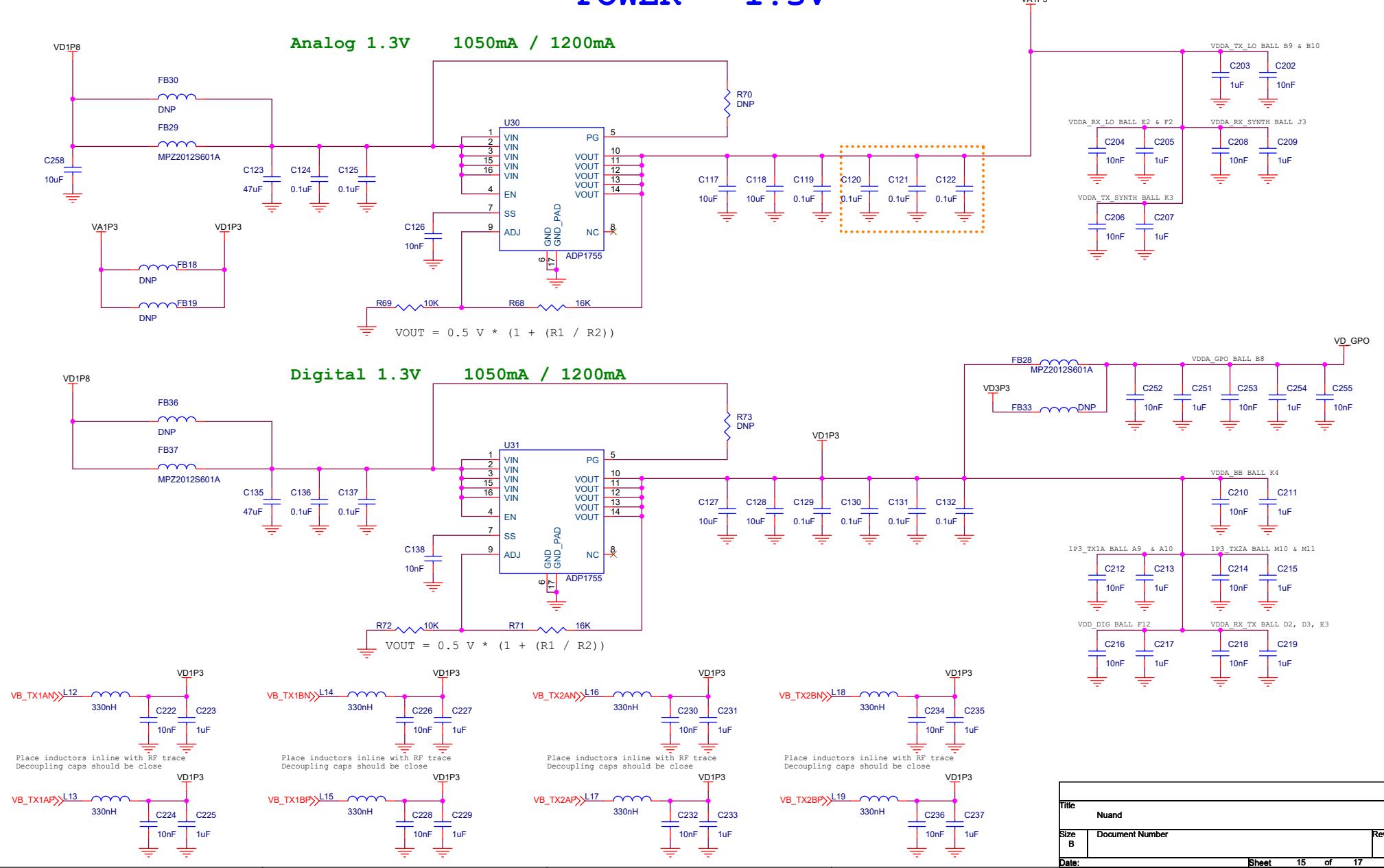


POWER - 1.1V/1.8V/3.3V



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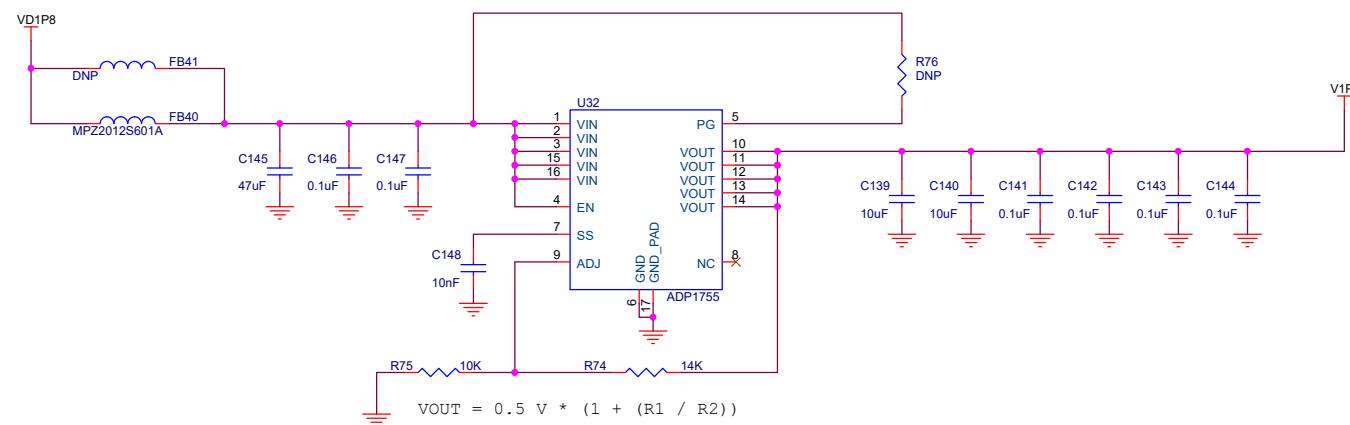
POWER - 1.3V



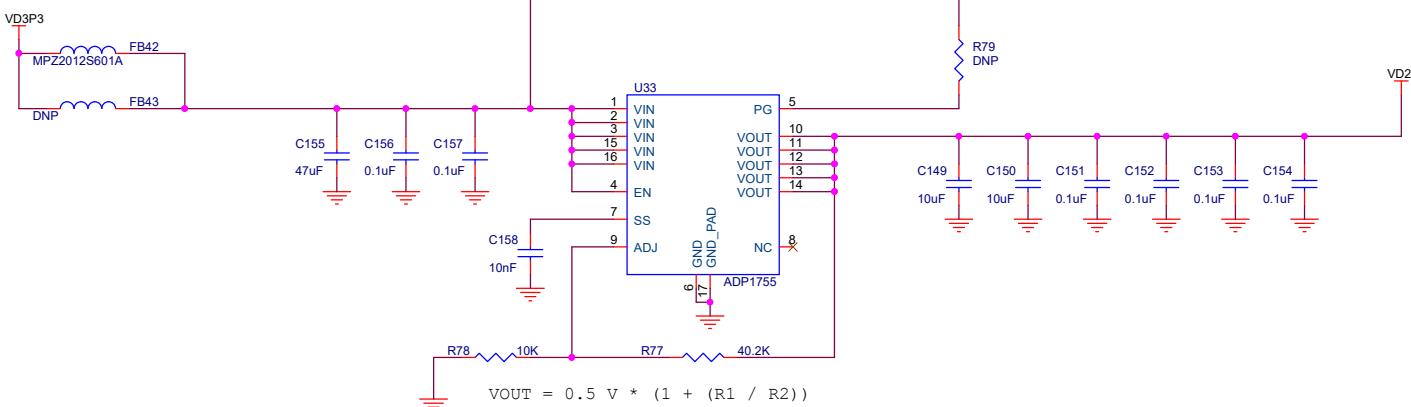
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POWER - 1.2V/2.5V

Digital 1.2V 197mA / 1200mA

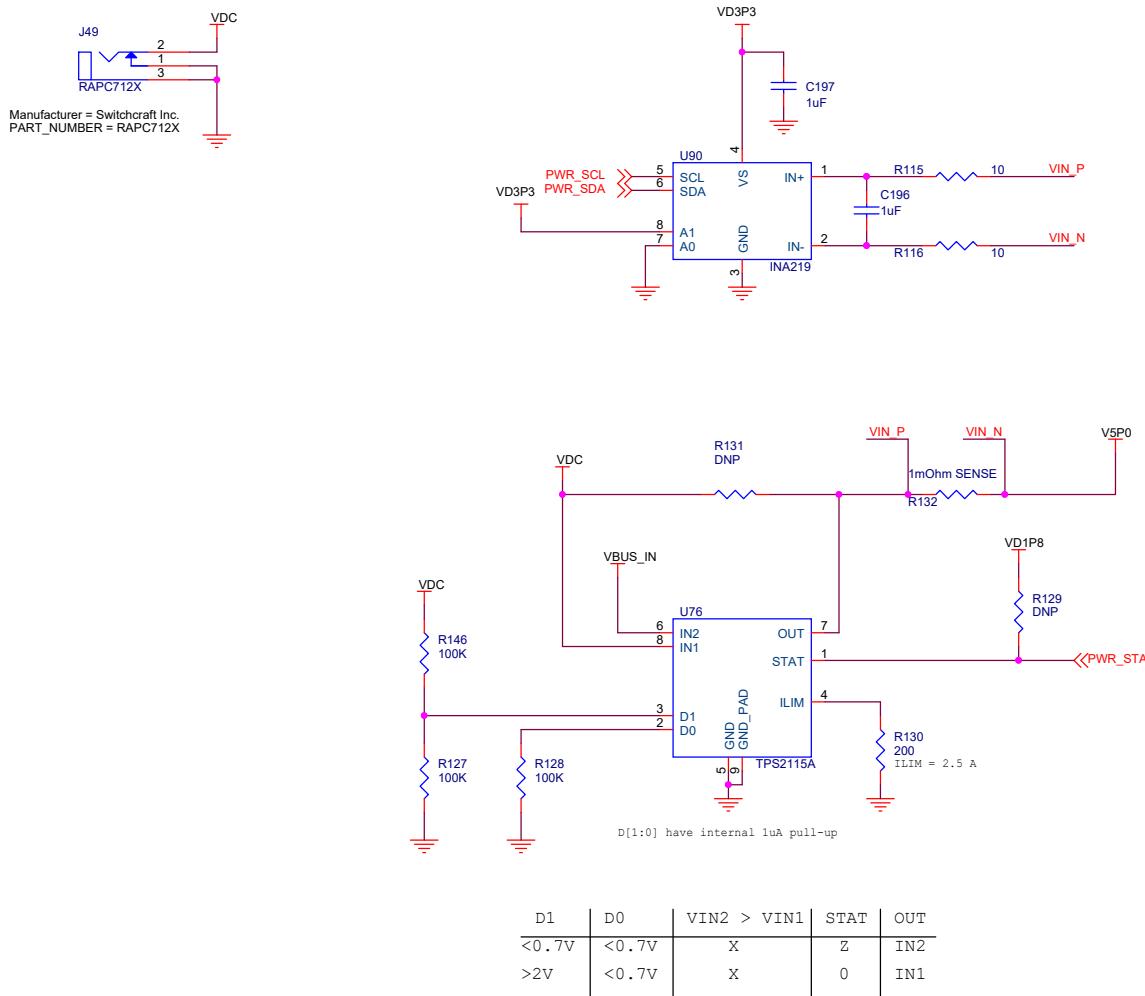


Digital 2.5V 307mA / 1200mA

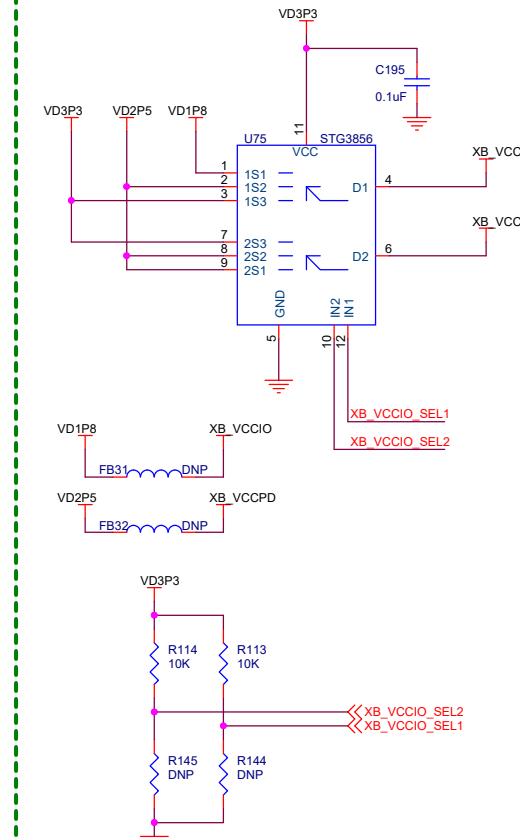


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POWER MUXES AND MONITOR



XB_VCCIO SELECTION



SEL2	SEL1	VCCIO / VCCPD
GND	GND	Hi-Z / Hi-Z
3.3V	GND	1.8 V / 2.5 V
GND	3.3V	2.5 V / 2.5 V
3.3V	3.3V	3.3 V / 3.3 V (DEFAULT)

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