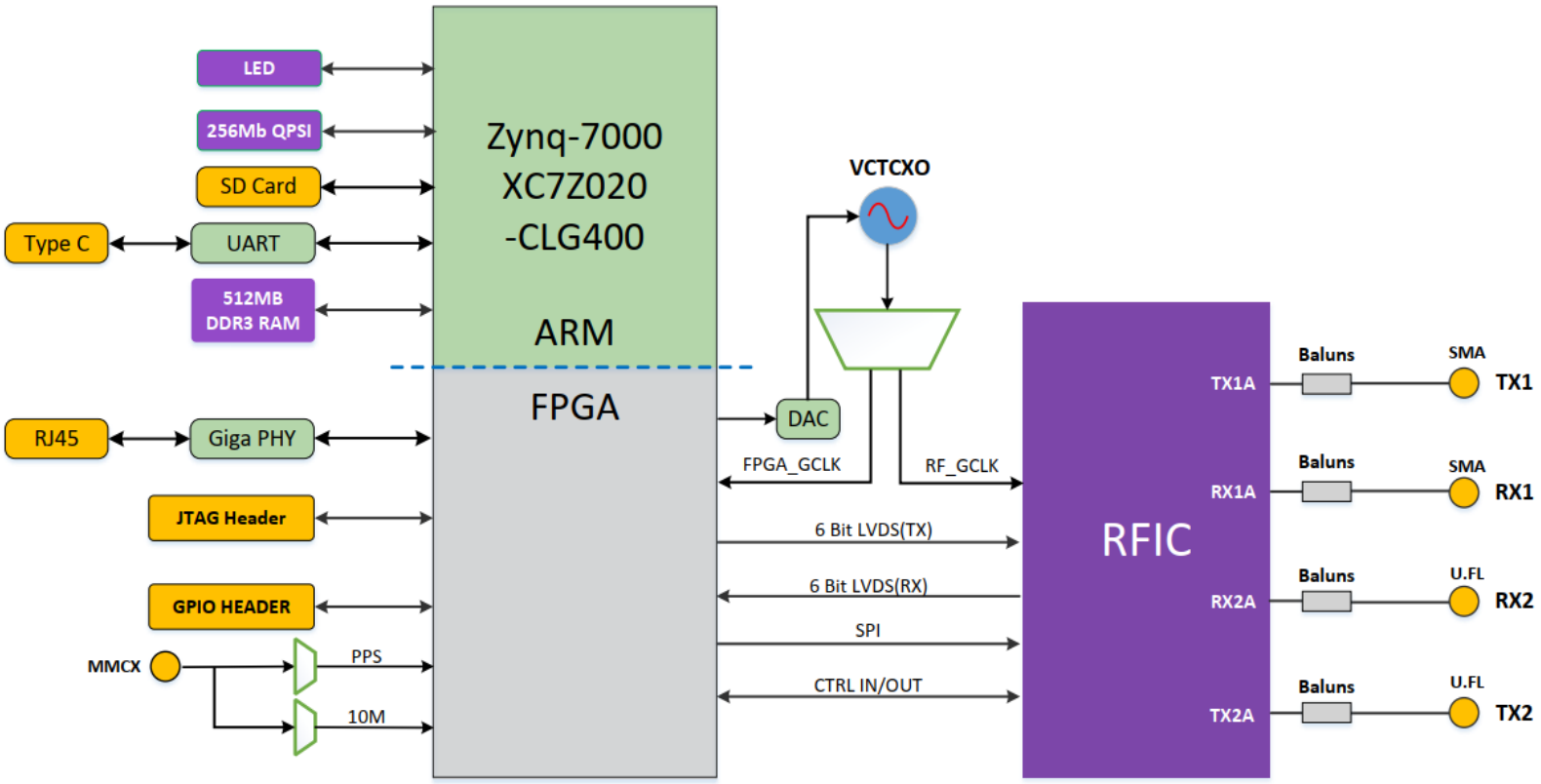
Note:
MicroPhase board HW FULL schematics are not available. MicroPhase has an open source code but not an open hardware schematics. Nonetheless, DEVELOPMENT schematics are available here . This schematic will give you information about HW configuration, FPGA pin connection

REV	DATE	PAGES	DESCRIPTION
1.0	15/7/2022	All	Rev 1.0 Release

ANTSDR E200 Block Diagram



PAGE	DESCRIPTION
1	Title, Notes, Block Diagram, Revision History
2	PS BANK500&501
3	PS BANK502
4	PL BANK0&13
5	PL BANK34&35
6	ZYNQ Power
7	DDR3 RAM
8	URAT EEPROM JTAG
9	PL ETH
10	SD
11	AD9363
12	RF TX1/RX1
13	CLOCK GPIO
14	Power
15	Power
16	
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Title: ANT E200

Size: B | Block Diagram | Rev: 1.0

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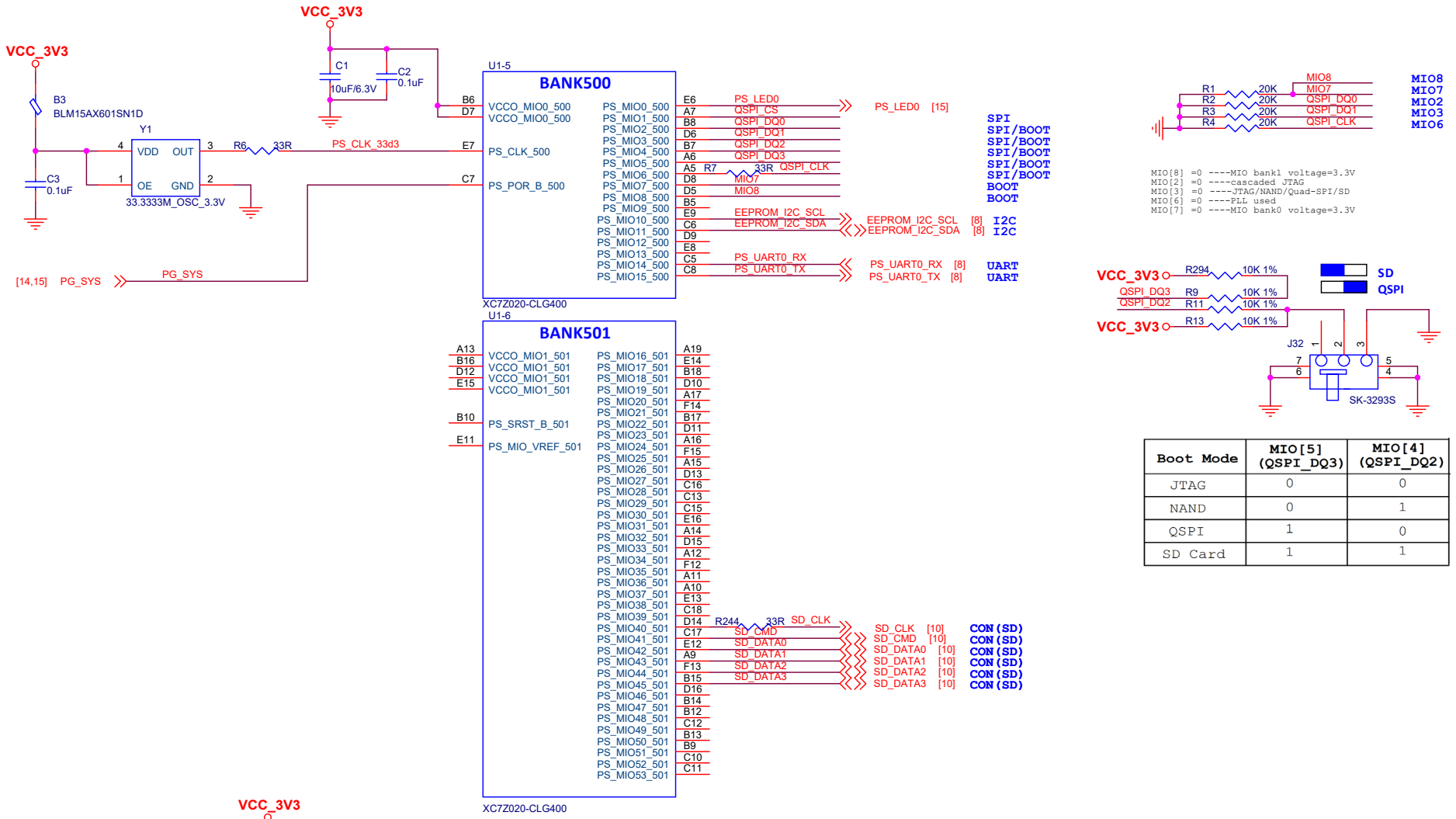
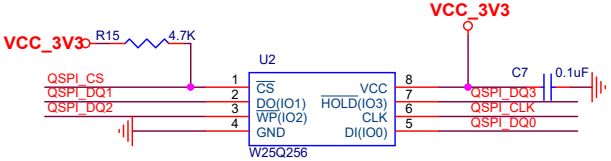
PS B500 B501




```
MIO[8] =0 ----MIO bank1 voltage=3.3V
MIO[2] =0 ----cascaded JTAG
MIO[3] =0 ----JTAG/NAND/Quad-SPI/SD
MIO[6] =0 ----PLL used
MIO[7] =0 ----MIO bank0 voltage=3.3V
```


Boot Mode	MIO[5] (QSPI_DQ3)	MIO[4] (QSPI_DQ2)
JTAG	0	0
NAND	0	1
QSPI	1	0
SD Card	1	1



MicroPhase	MicroPhase Inc. www.microphase.cn		
Title	ANT E200		
Size B	Bank 500&501		Rev 1.0
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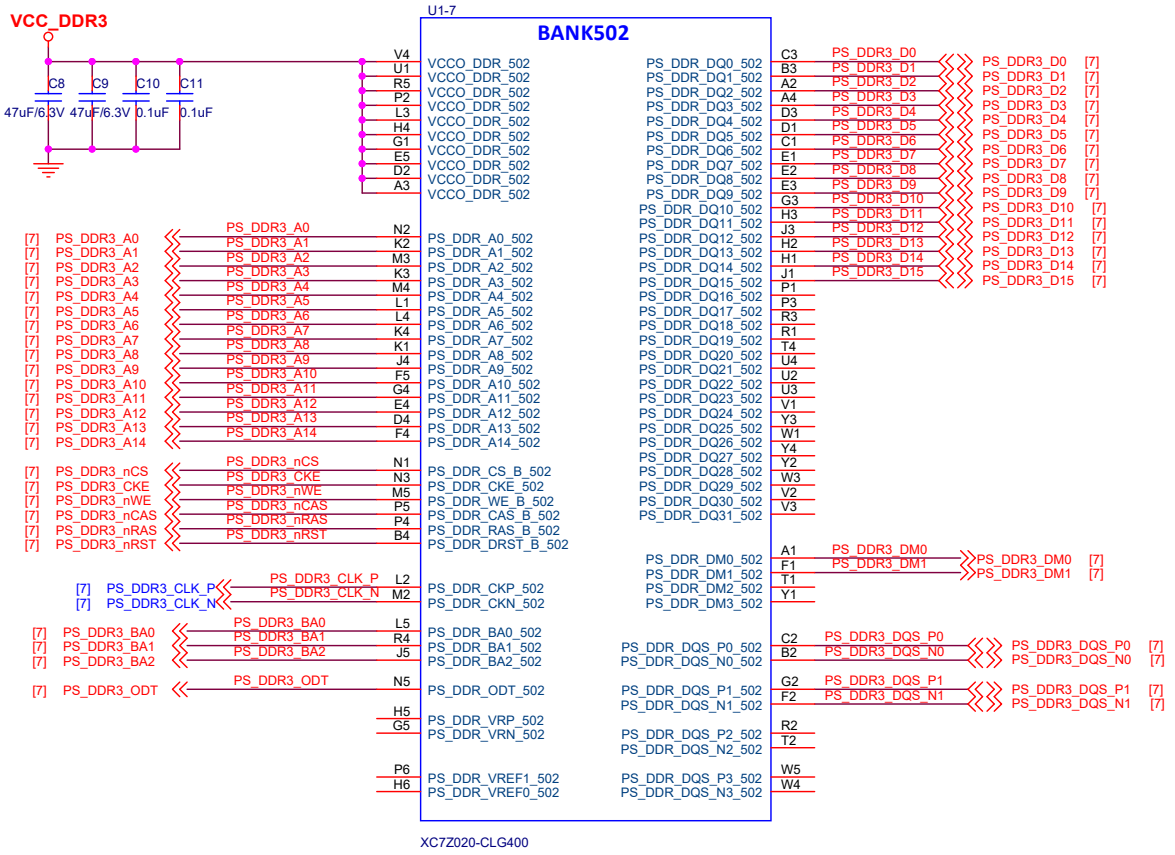
PS B502



Title	ANT E200		
Size B	Bank 502		Rev 1.0
Date: Monday, November 07, 2022	Sheet 3 of 15		

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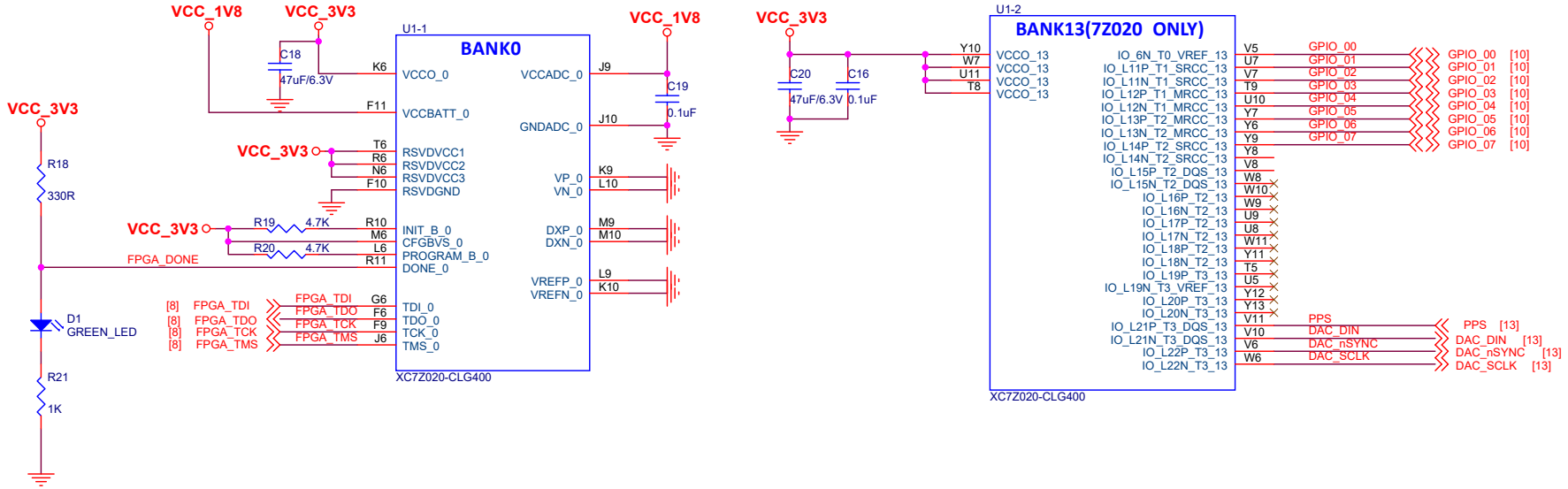
PL B0 B13



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Title	ANT E200	
Size B	Bank 0&13	Rev 1.0
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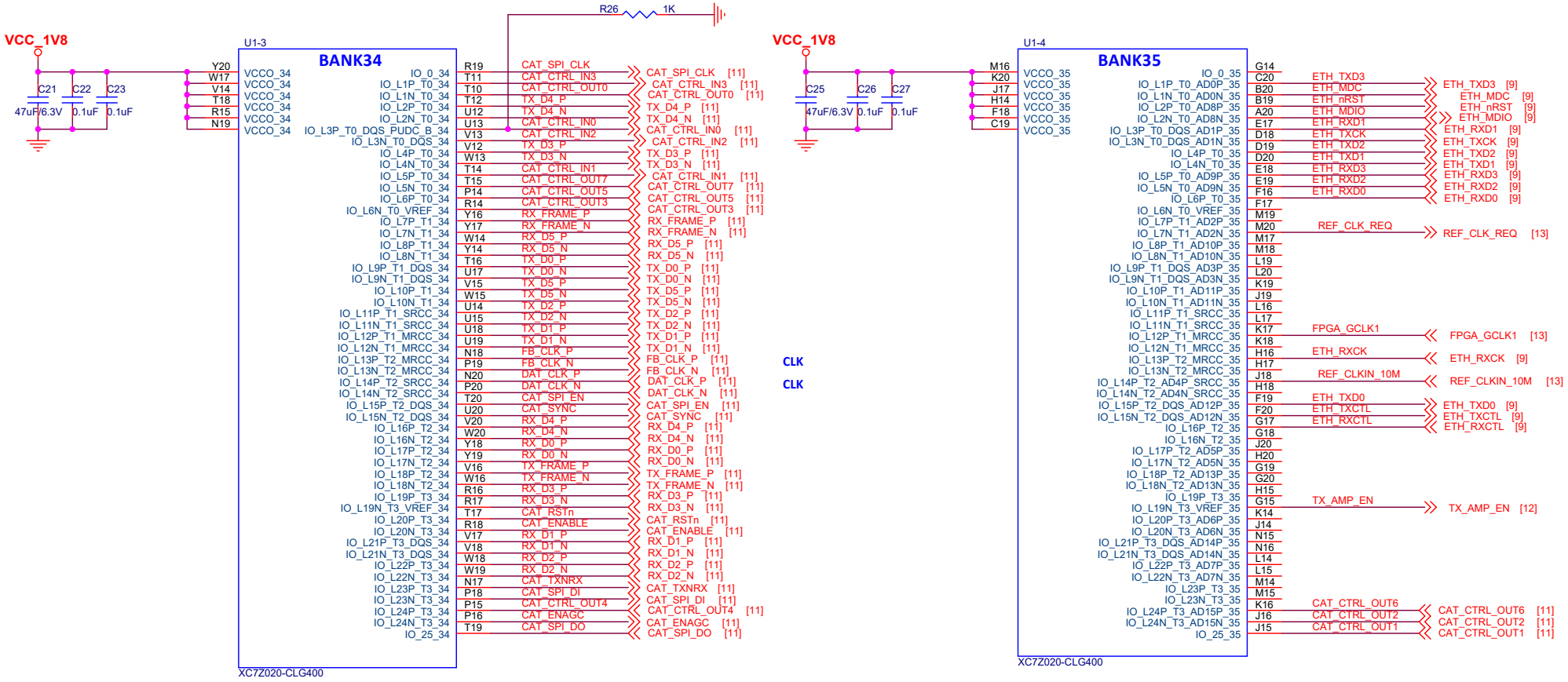
PL B34 35



MicroPhase	MicroPhase Inc. www.microphase.cn
Title	ANT E200
Size B	Bank 34&35
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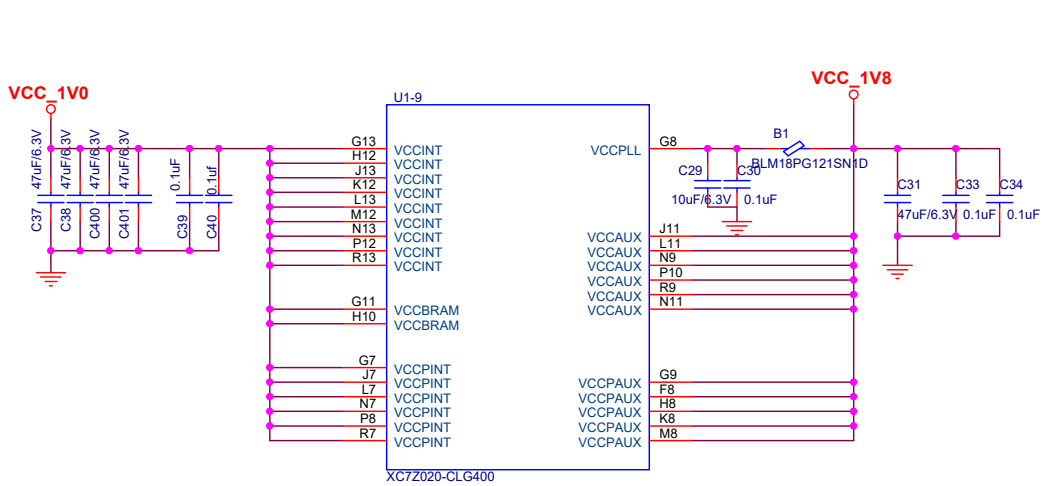
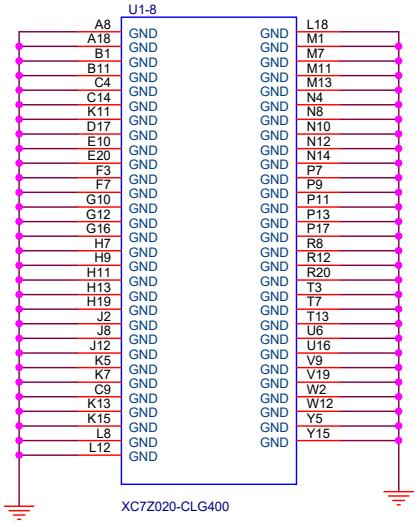
ZYNQ POWER





MicroPhase	MicroPhase Inc. www.microphase.cn	
Title	ANT E200	
Size B	ZYNQ Power	Rev 1.0
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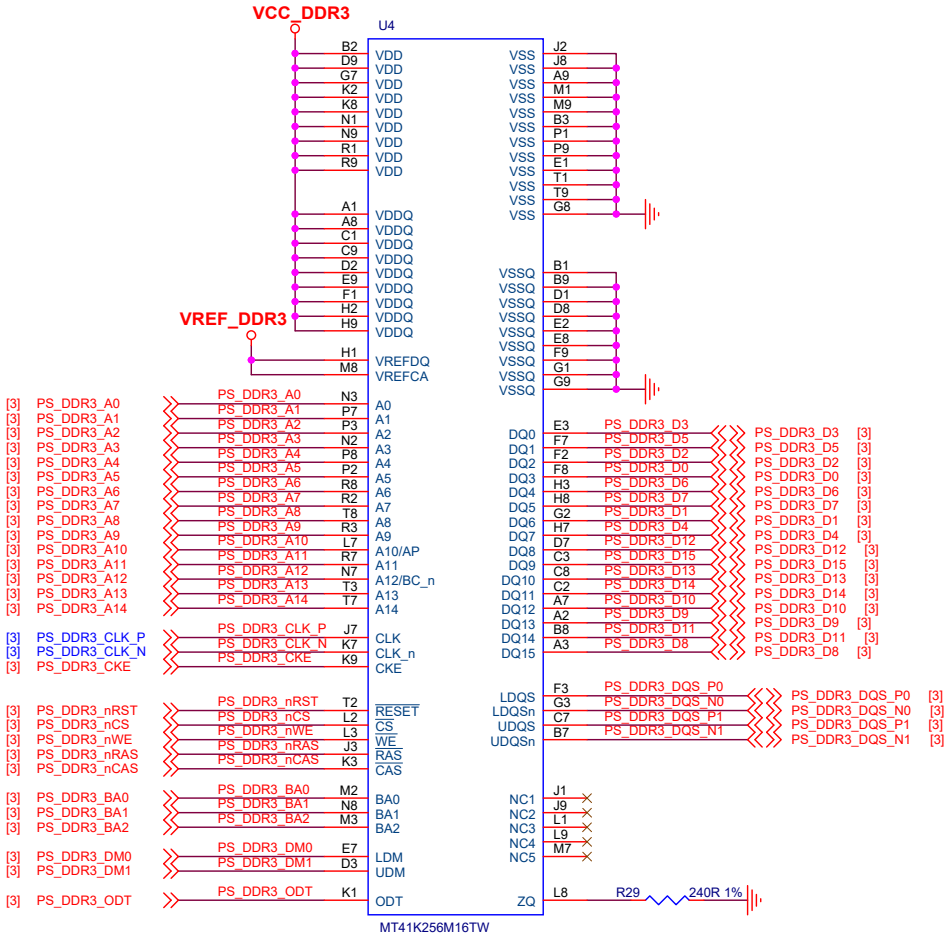
DDR3



MicroPhase	MicroPhase Inc. www.microphase.cn	
Title	ANT E200	
Size B	DDR3	Rev 1.0
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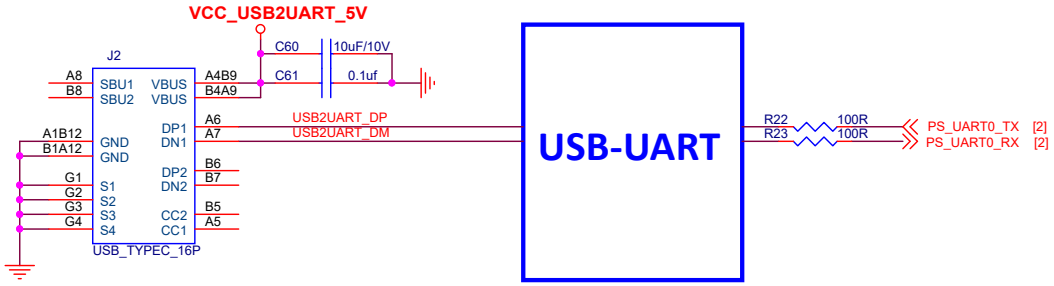
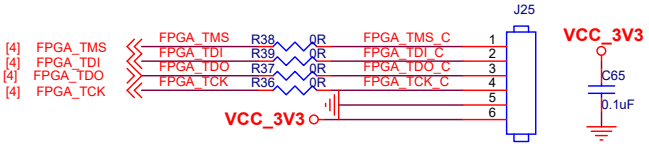
USB-UART



JTAG



MicroPhase	MicroPhase Inc. www.microphase.cn	
Title	ANT E200	
Size B	UART	Rev 1.0
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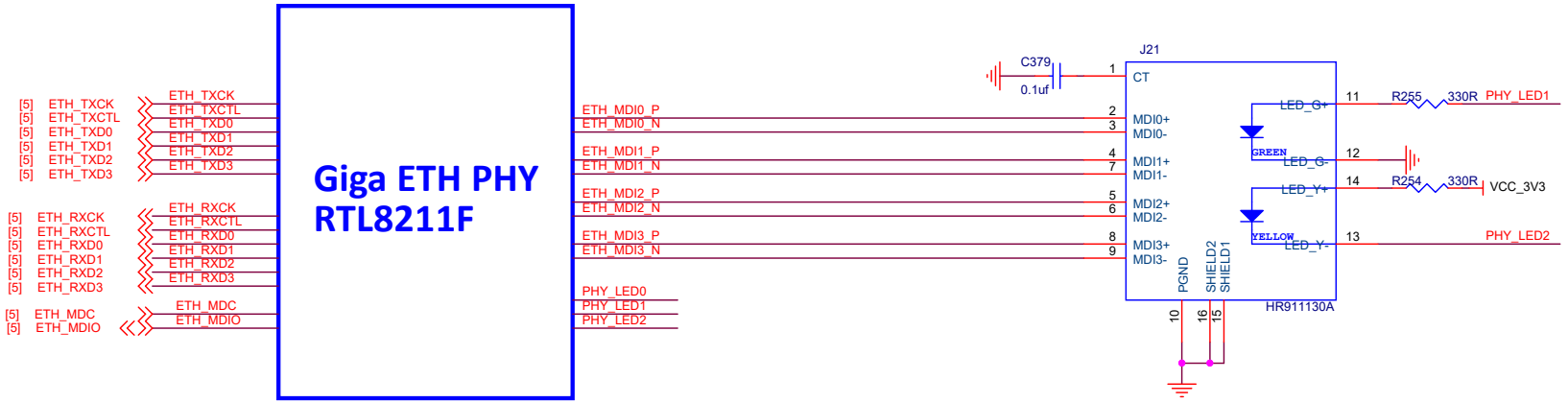

MicroPhase	MicroPhase Inc. www.microphase.cn	
Title	ANT E200	
Size B	ETH	Rev 1.0
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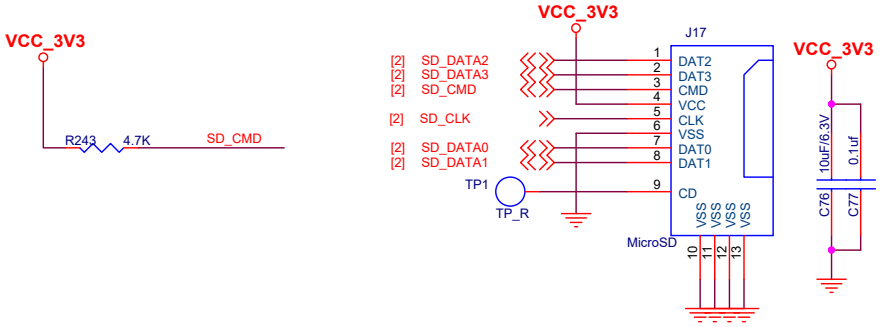
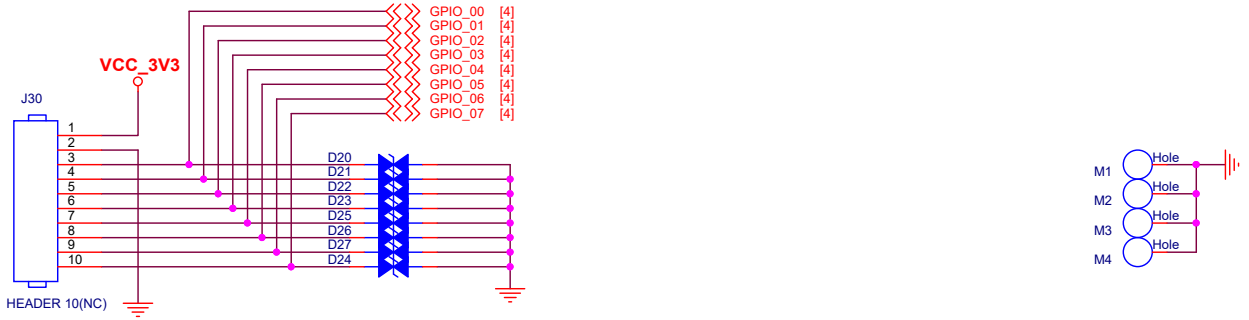
SD



GPIO



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Title: ANT E200		
Size: B	SD	Rev: 1.0
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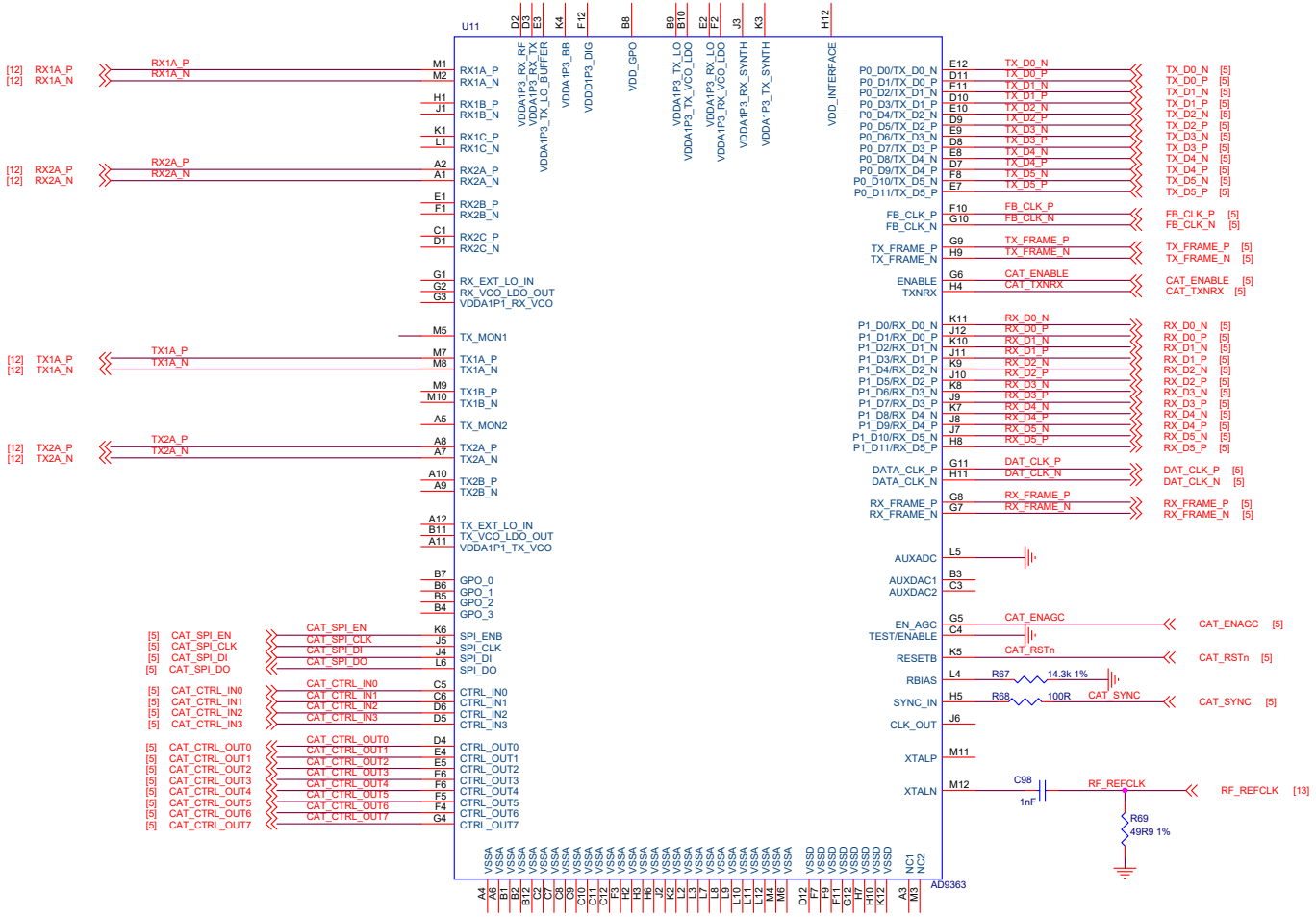
AD9363



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Title: ANT E200

Size: Custom | AD9363 | Rev 1.0

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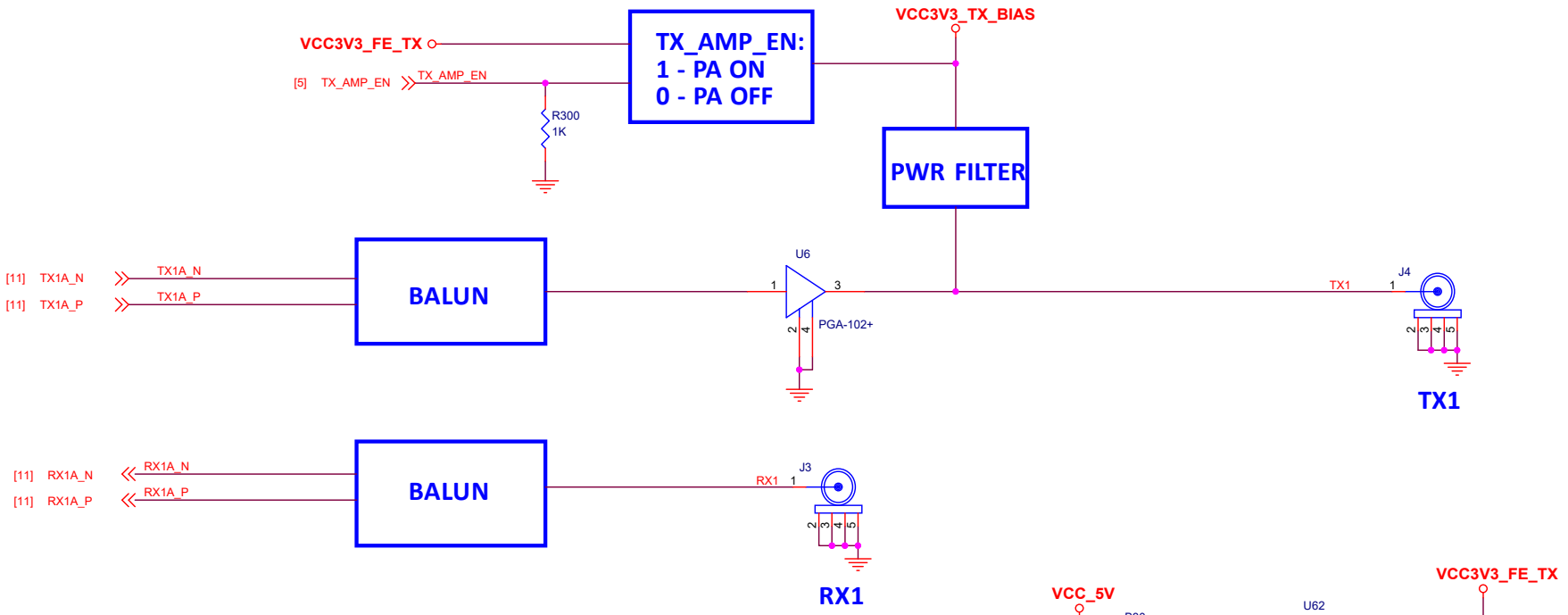
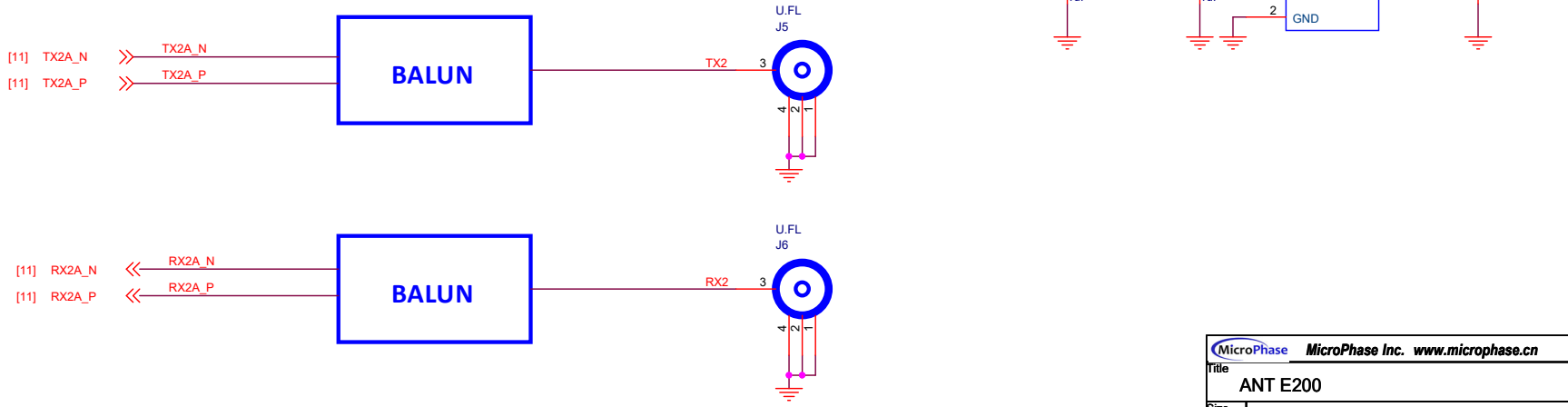
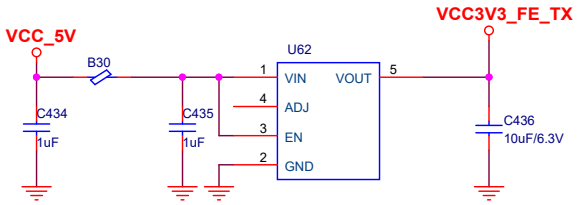
RF_CH1



RF_CH2





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Title: ANT E200

Size: B | RF_CH1 | Rev: 1.0

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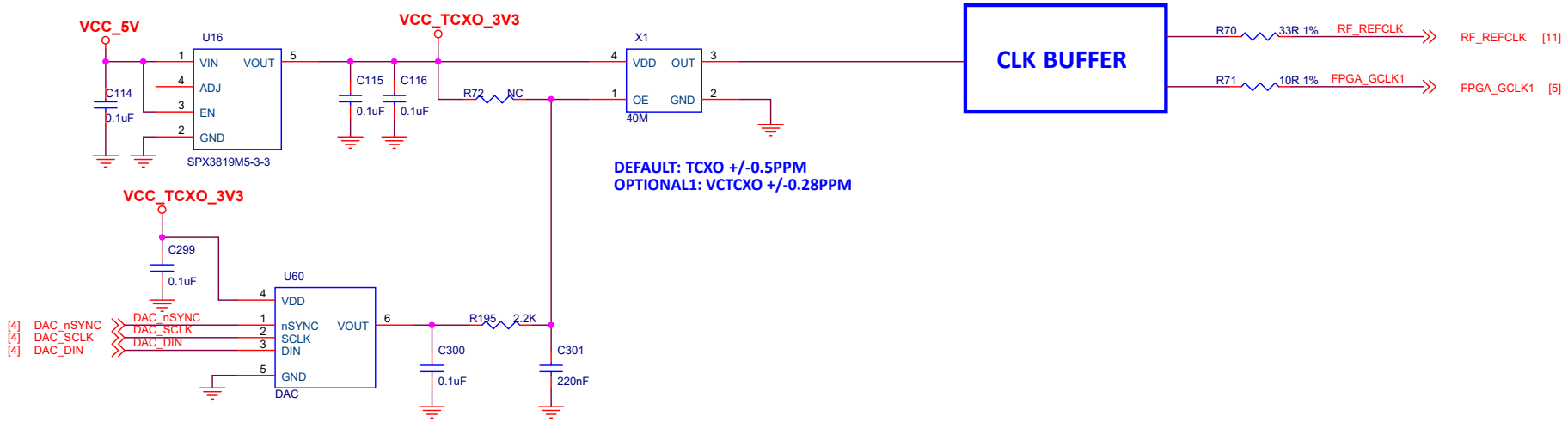
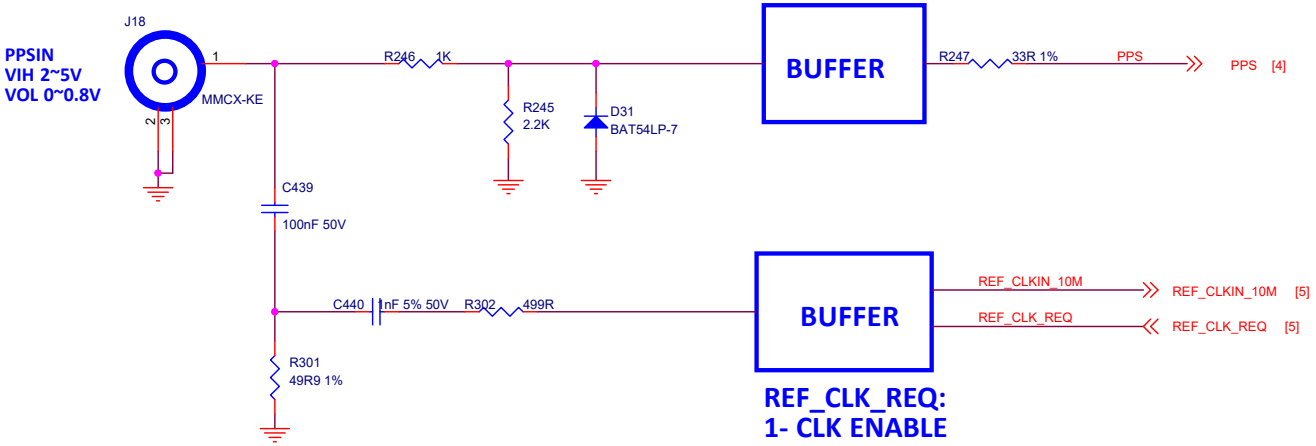
CLOCK



PPS/10M



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Title: ANT E200

Size: B | CLOCK | Rev: 1.0

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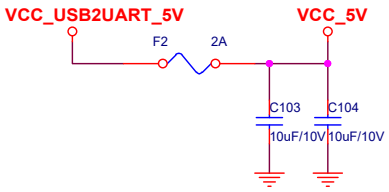

Power System

MicroPhase	MicroPhase Inc. www.microphase.cn	
Title	ANT E200	
Size B	Power	Rev 1.0
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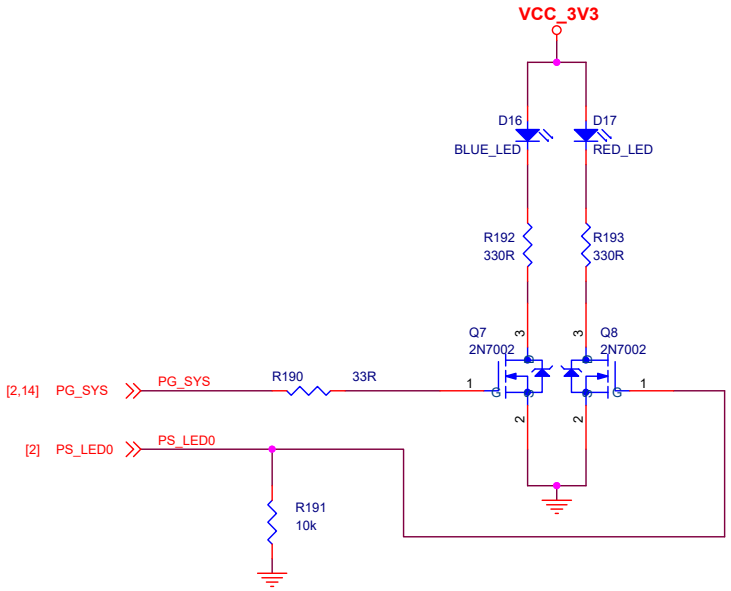
LED



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Title	ANT E200	
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