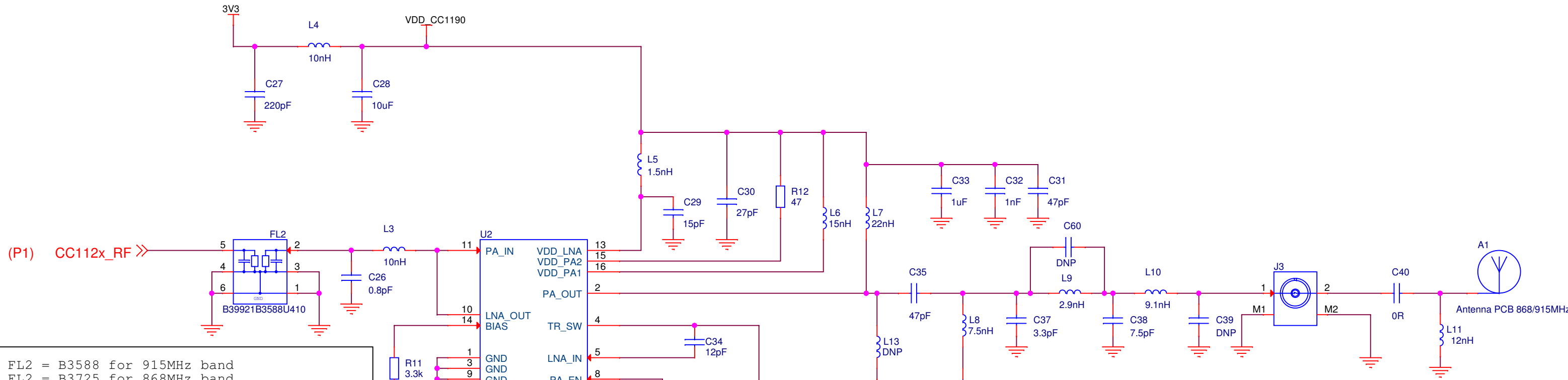


R10 = DNP for Murata IPC  
R10 = 0 ohm for Johanson IPC

Note:

Case1: For CC112x using XTAL - Do Not Mount C24,C25,R5,R28,CR2 and Mount Y1=32MHz, C22=C23=15pF, R4=0  
Case2: For CC112x using TCXO - Do Not Mount R4,R28,C23,Y1 and Mount C22=0ohm Resistor and U3 = 32MHz  
Case3: For CC120x using XTAL - Do Not Mount C24,C25,R5,R28,CR2 and Mount Y1=40MHz C22=C23=15pF, R4=0  
Case4: For CC120x using TCXO - Do Not Mount R4,R28,C23,Y1 and Mount C22=0 ohm Resistor and U3 = Should be 40MHz  
R5 is the current limiting resitor for TCXO from VDD.R28 is the selection resitor to power-up TCXO from DCPL\_XOSC pin.  
R5 and CR2 can be chosen according to the TCXO power supply requirement.  
If the TCXO is powered-up through R28 then Do not mount R5 and CR2.  
If the TCXO output is square waveform then it should be DC Coupled. Mount C24 = 0 ohm Resistor  
For CC120x - C16 = 1.5nF  
Use R7=0 ohms, R8=R9=DNP for Non-Sigfox Applications

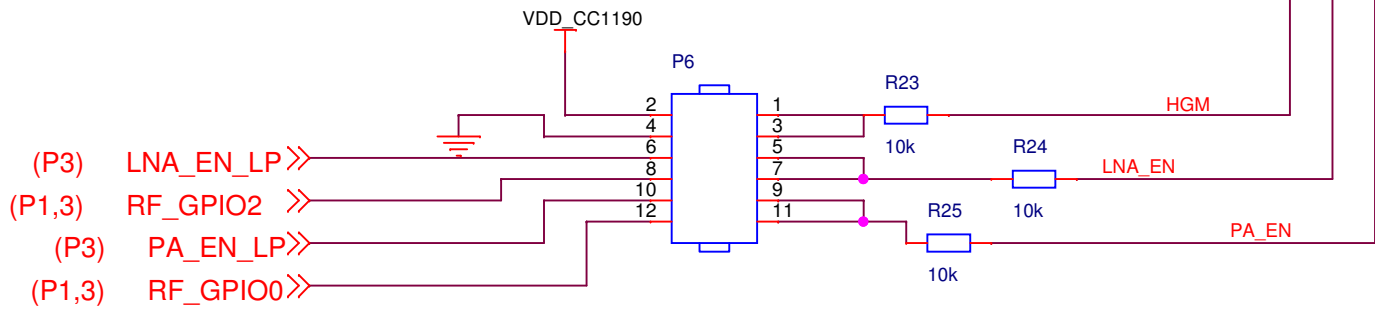
Title: BOOSTXL-CC1120-90			
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Size: B	Rev: A	Sheet: 1 of 3	
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FL2 = B3588 for 915MHz band  
FL2 = B3725 for 868MHz band  
Refer to corresponding BOMs for part nos.

C40 = 0 ohms for 915MHz band  
L11 =12nH for 915MHz band  
C40 = 3pF for 868MHz band  
L11 =6.8nH for 868MHz band  
Refer to corresponding BOMs for part nos.

Don not Mount L13, C59 & C60 for 915MHz Design  
L13, C59 & C60 for 868MHz Design only.  
Refer to corresponding BOMs for values

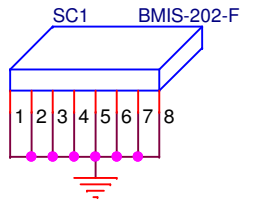


Default Positions (For LaunchPad):  
Mount Jumper in between 9 & 10  
Mount Jumper in between 5 & 6  
Mount Jumper in between 1 & 2

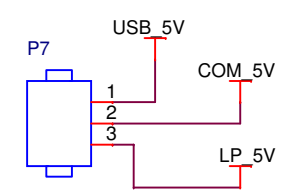
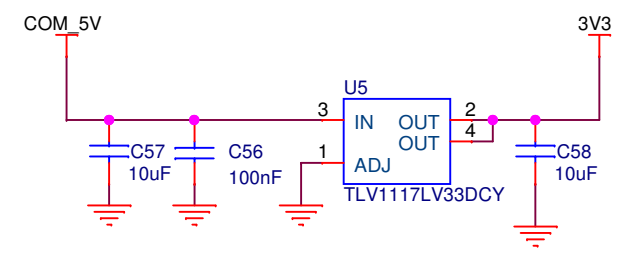
PAEN - Connect 11 & 12 to control from SmartRFStudio  
LNAEN - Connect 7 & 8 to control from SmartRFStudio  
Set GPIO2=0x33 & GPIO0 = 0x73 in SRS to set CC1190 in Tx  
Set GPIO2=0x73 & GPIO0 = 0x33 in SRS to set CC1190 in Rx

PAEN - Connect 9 & 10 to control from LaunchPad  
LNAEN - Connect 5 & 6 to control from LaunchPad

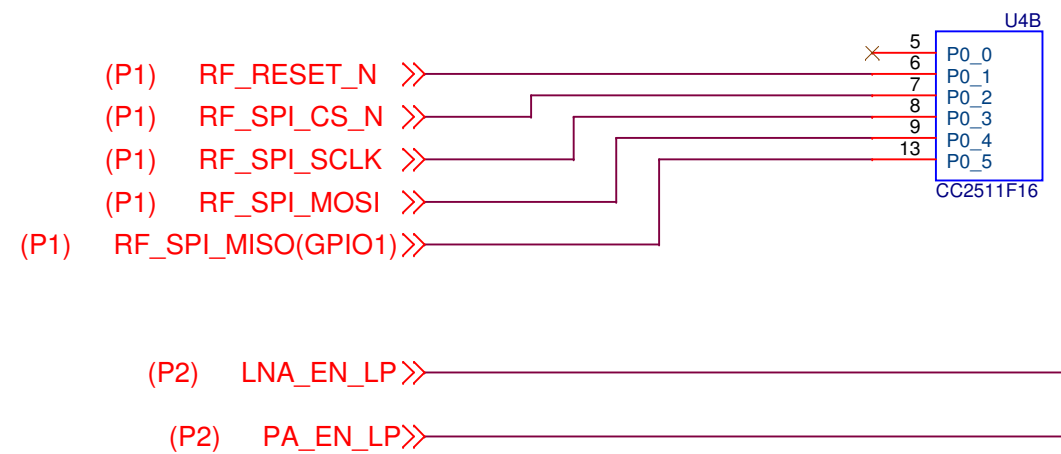
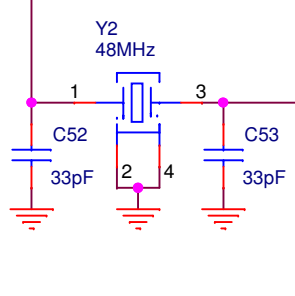
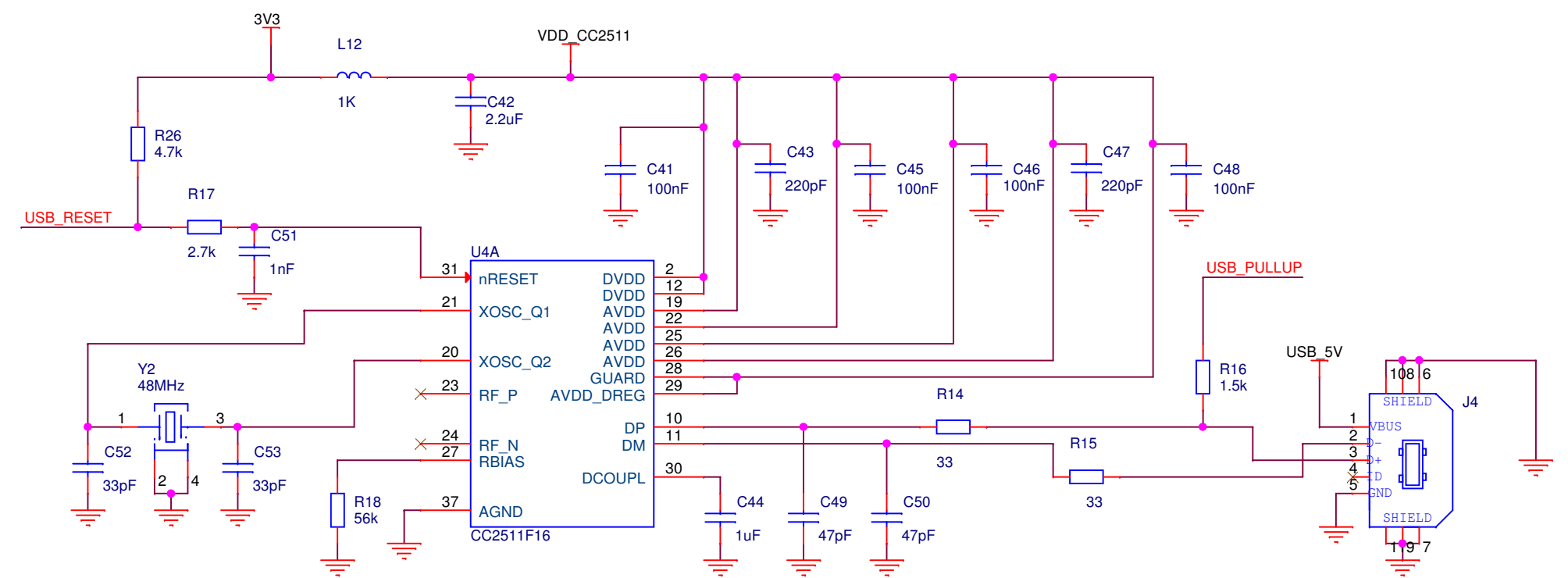
HGM - Connect 1 & 2 to set for High Gain mode  
HGM - Connect 3 & 4 to set for Low Gain mode



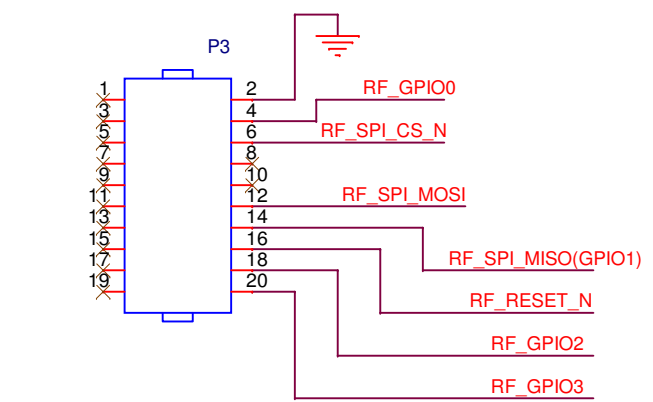
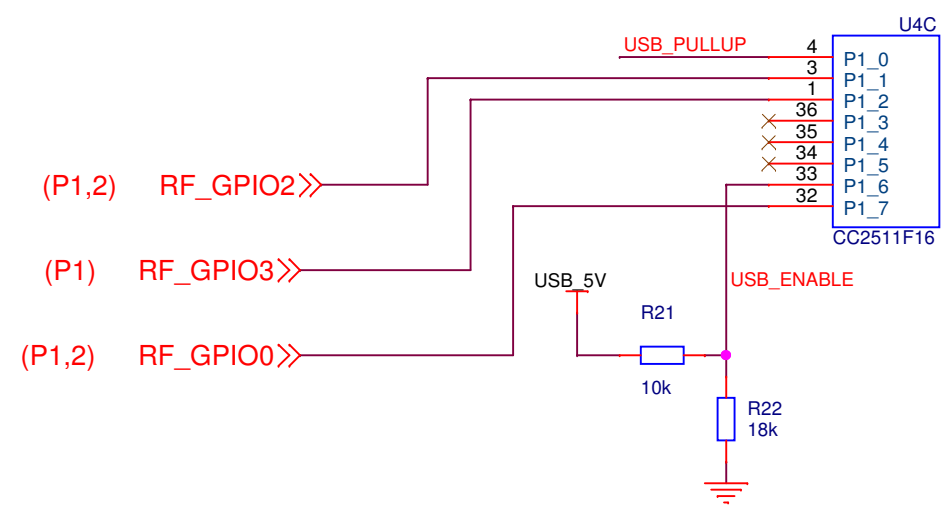
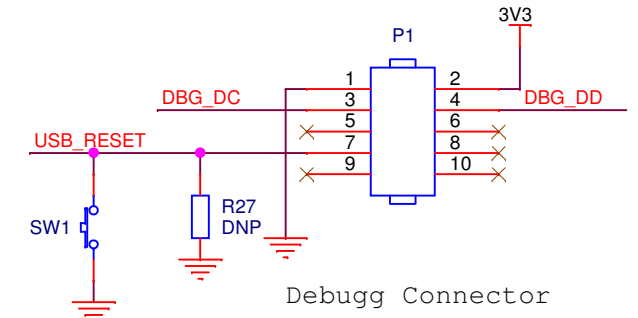
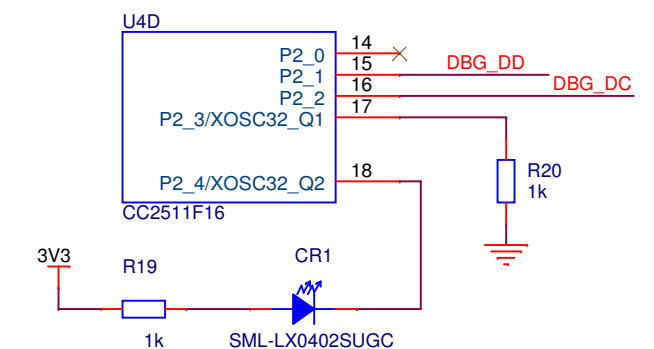
Title: BOOSTXL-CC1120-90			
Drawn: PM			
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Size: B	Rev: A	Sheet: 2 of 3	
Date:		Monday, October 19, 2015	




Default Position (For LaunchPad):  
Place Jumper in between 2 & 3  
  
Connect 1 & 2 - To power-up from the  
ON-Brd USB Connector  
  
Connect 3 & 2 - To power-up from  
the LaunchPad



LaunchPad Connector (Bottom Mount)  
Place Pin-1 side towards the edge of the PCB



Launch Pad Connector (Bottom Mount)  
Place Pin-2 side towards the edge of the PCB

Title: BOOSTXL-CC1120-90		 TEXAS INSTRUMENTS
Drawn: PM		
Checked:		
Size: B	Rev: A	Sheet: 3 of 3
Date: Monday, October 19, 2015		