

JTAG connector

Open to measure current  
jumper JP3

External power connector  
CON12

VCC  
GND  
GND

Open to disconnect LEDs  
jumper JP5/JP10

LED D2 (red) connected to  
P3.6 via JP10

LED D1 (green) connected  
to P1.0 via JP5

RF - Crystal Q1 26 MHz

RF - Signal SMA

Jumper JP2  
Close EXT for external supply  
Close INT for JTAG supply

Jumper JP1  
Close JTAG  
position to  
debug in  
JTAG mode

Jumper JP1  
Spy-Bi-Wire mode



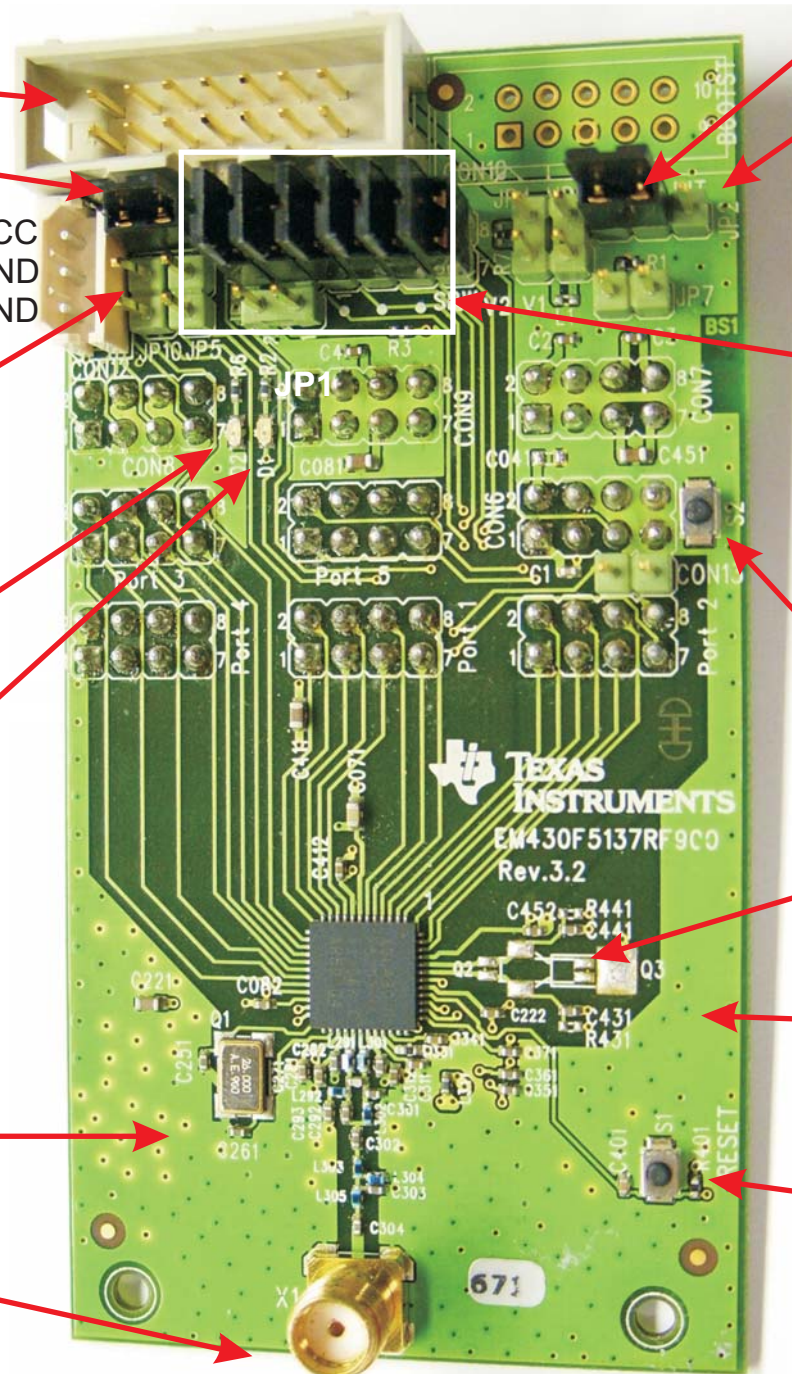
Close SBW position  
to debug in  
Spy-Bi-Wire mode

Push-button S2  
connected to P1.7

Footprint for 32kHz crystal

Use 0Ω resistor for R431/R441  
to make XIN/XOUT available  
on connector port5

Reset button S1



TITLE:  
EM430F5137RF900  
Rev 3.2  
868/915MHz

Placement

Claus Kuch 04/22/2010

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External power connector  
CON12

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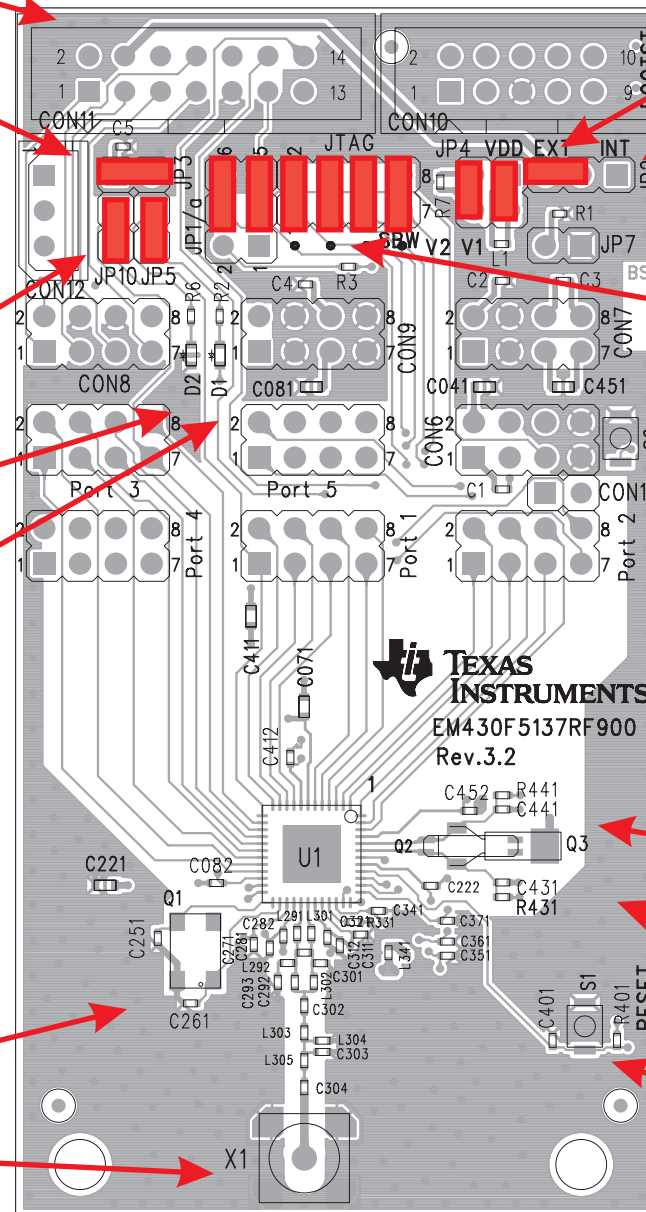
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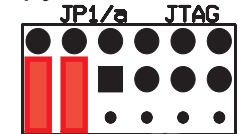
VCC  
GND  
GND



Jumper JP2

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Close INT for JTAG supply

Jumper JP1  
Spy-Bi-Wire mode



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to debug in  
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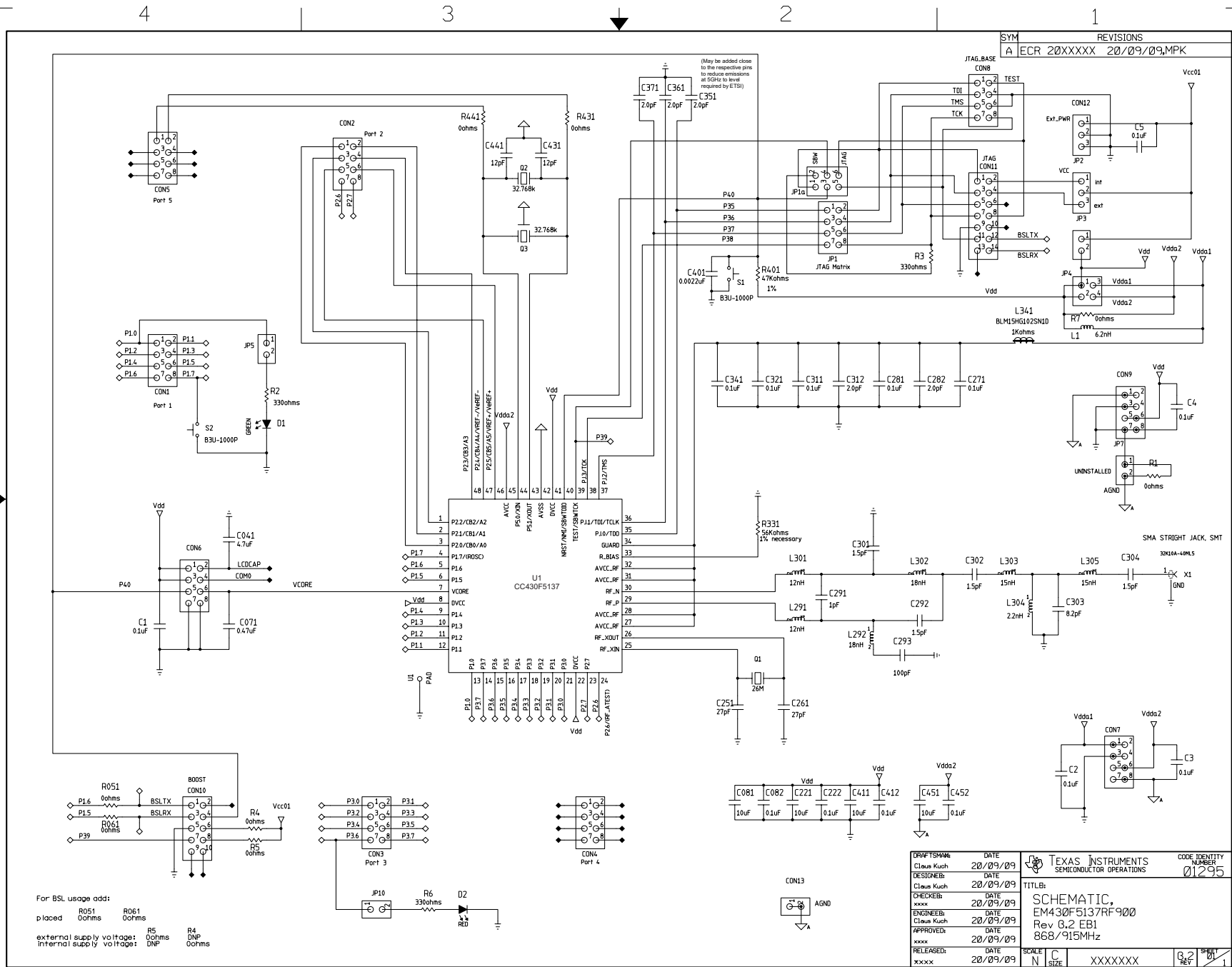


TEXAS  
INSTRUMENTS  
EM430F5137RF900  
Rev.3.2

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## Power Management

VCC01 = external VCC

Vdd = DVCC

Vdda1 = AVDD\_RF / AVCC\_RF

Vdda2 = AVCC

## Port connectors

CON1 ..

CON3 = Port1 .. Port3 of cc430

CON4 = spare

CON5 = 1: XIN 2: XOUT

CON6 = Vdd, GND, Vcore, COM0, LCDCAP

CON7 = Vdda1, Vdda2, GND, AGND

CON8 = JTAG\_BASE (JTAG Port)

CON9 = Vdd, GND, AGND