Getting Started with the CC430F6137 Sample Kit

MSP430

Thank you for ordering your CC430F6137 Sample Kit!

The included XCC430F6137 devices are fully-functional prototypes of MSP430's first RF-integrated device family, the CC430F613x.

This *Getting Started* guide gives reviews the contents of the CC430F6137 Sample Kit and guides the customer to the example projects and tools required to evaluate the EM430F6137RF900 hardware modules.

Please note that the prototype silicon has not met or completed Texas Instruments internal reliability qualification requirements and is subject to its respective errata. The devices are sampled on an "as is" basis and Texas Instruments makes no warranty of fitness for a specific purpose.

Important Notes

These devices and evaluation modules are for prototyping purposes only and are not intended to be used in production systems or as reference designs. Upcoming versions of the EM430F6137RF900 will meet the requirements to serve as reference designs.

This device is subject to the export / import control regulations of the United States per the harmonization code: ECCN 5A002A1A TSPA. Please note that it may also be subject to export control policies of local authorities.

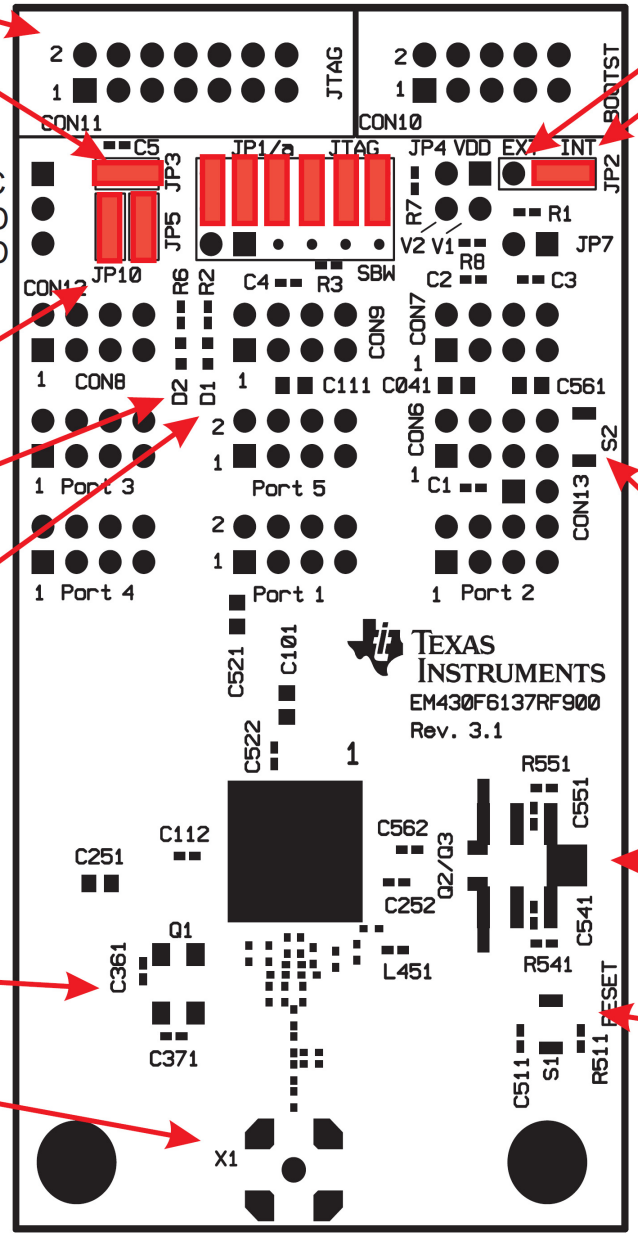
Early Sample Kit Contents

- Two EM430F6137RF900 Evaluation Modules
- Two 868/915MHz Antennas.
- Two Battery Holders including four AAA Batteries and connector power cables
- Eighteen PCB 2x4 pin headers and two 32kHz Crystals
- Two 32kHz Crystals

Once the contents of the kit have been verified, please go to http://wiki.msp430.com/index.php?title=CC430_Sampling_Page for all the tools, instructions for installation, and code examples required to get started with this sample kit.

For additional support please refer to the following:

- http://wiki.msp430.com/index.php?title=CC430_Sampling_Page
- http://community.ti.com/forums/12.aspx
- support@ti.com or your local Texas Instrument support team


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
JP1/a
JTAG
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 R541/R551 to makeP5.0/P5.1 available on connector port5
Reset button S1
CON11
CON10
JTAG
BOOTST
JP1/a
JTAG
JP4 VDD
EXT
INT
JP2
JP3
JP5
JP10
JP7
R7
R1
R8
V2 V1
SBW
C4
R3
C2
C3
CON12
R6
R2
D2
D1
CON9
CON7
CON8
C111
C041
C561
CON6
S2
Port 3
Port 5
C1
CON13
Port 4
Port 1
Port 2
C521
C101
EM430F6137RF900
Rev. 3.1
C522
R551
C551
C112
C562
C251
Q2/Q3
C252
C541
Q1
C361
L451
R541
C371
RESET
C511
S1
R511
X1

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