

EK-ST50 User Guide



AcSiP Technology Corp.

www.acsip.com.tw

Doc No : 912-12602

Ver. : C

Date: 2021/06/10

EK_ST50_V03

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Acsip

SMA Connector
RF IN/OUT

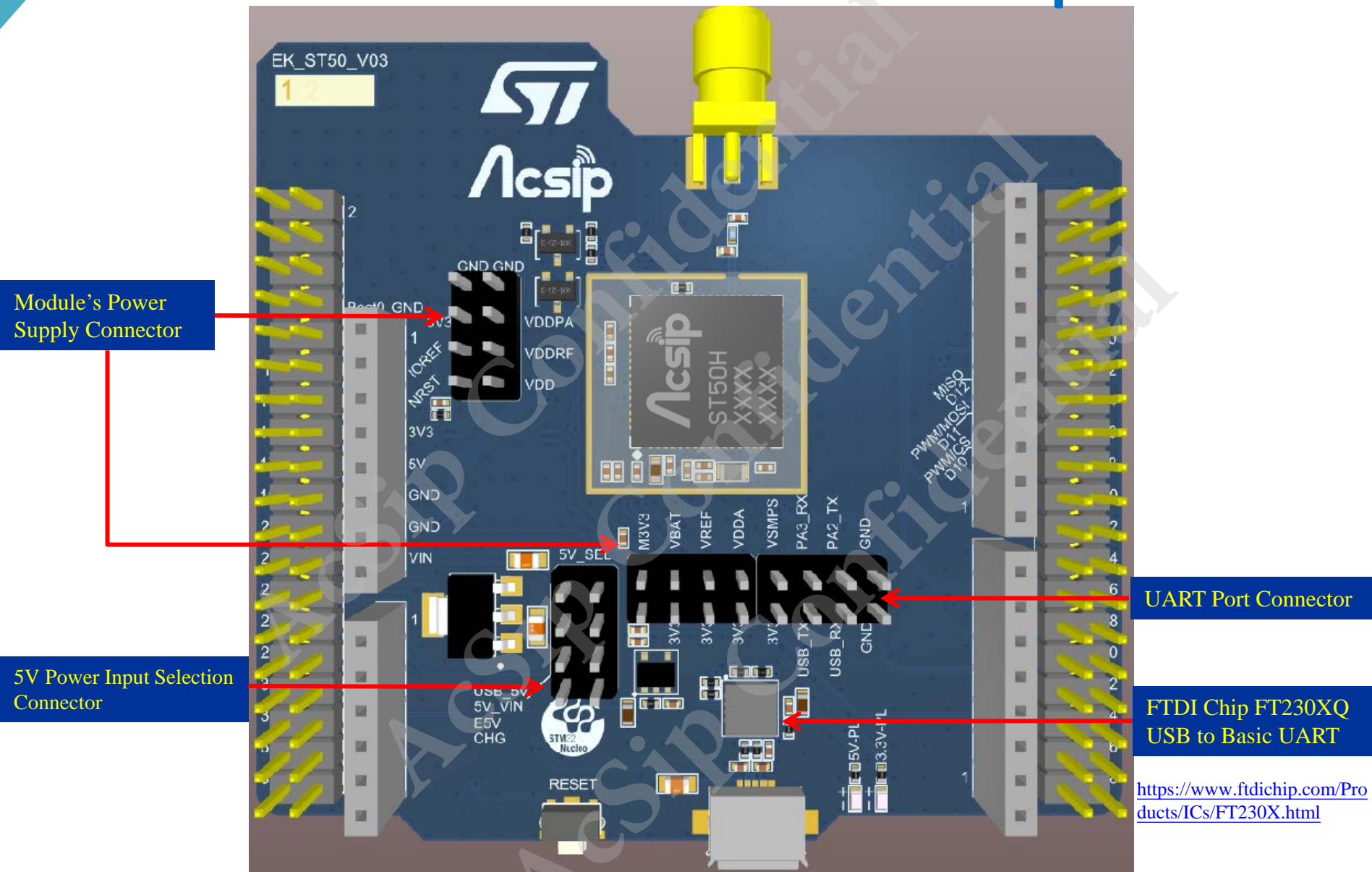
Arduino Connector

Micro-USB Connector

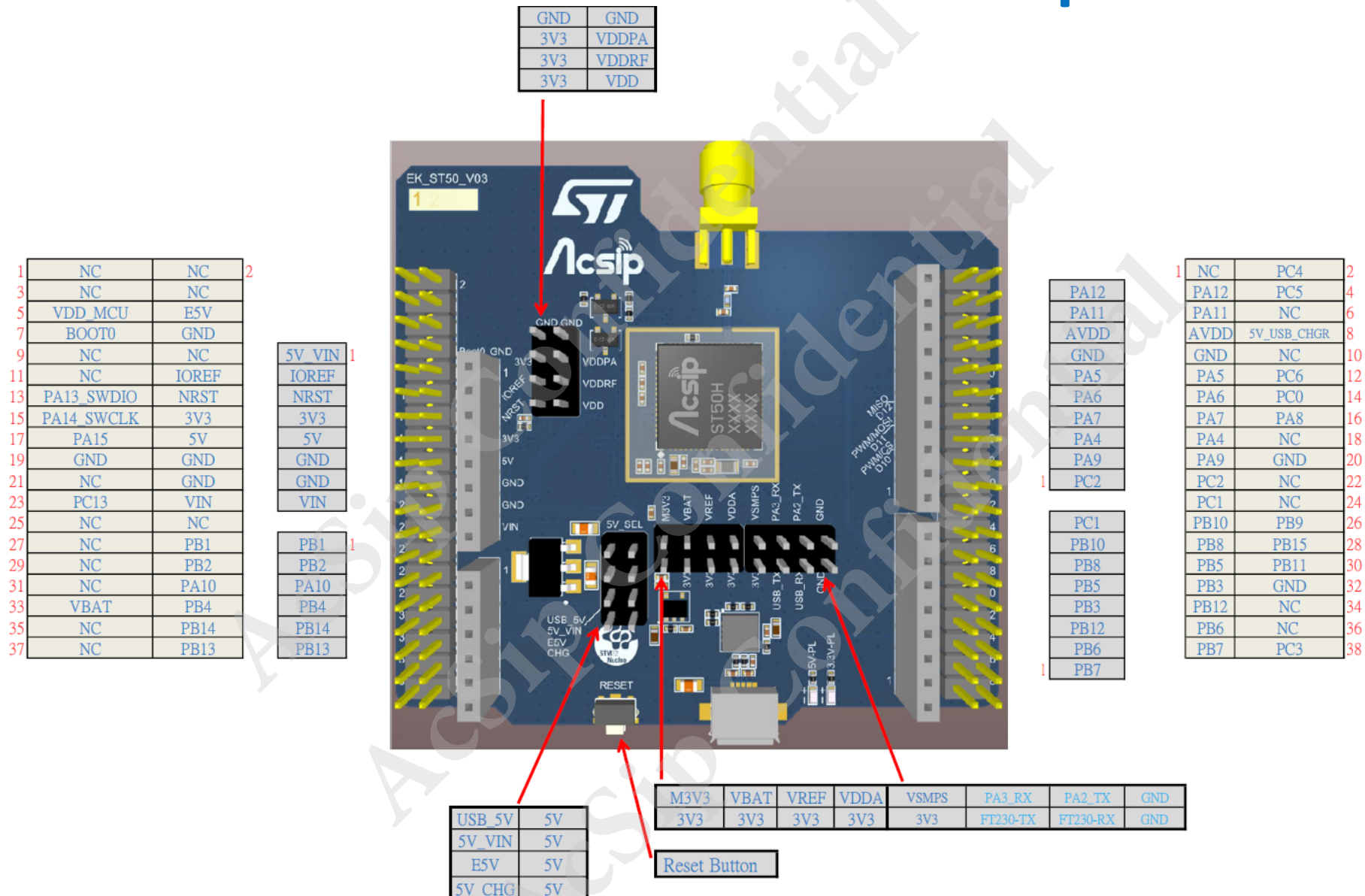
Reset Button

5V & 3.3V Power LED

EK-ST50 PCB Connector Description



EK-ST50 PCB Connector Description



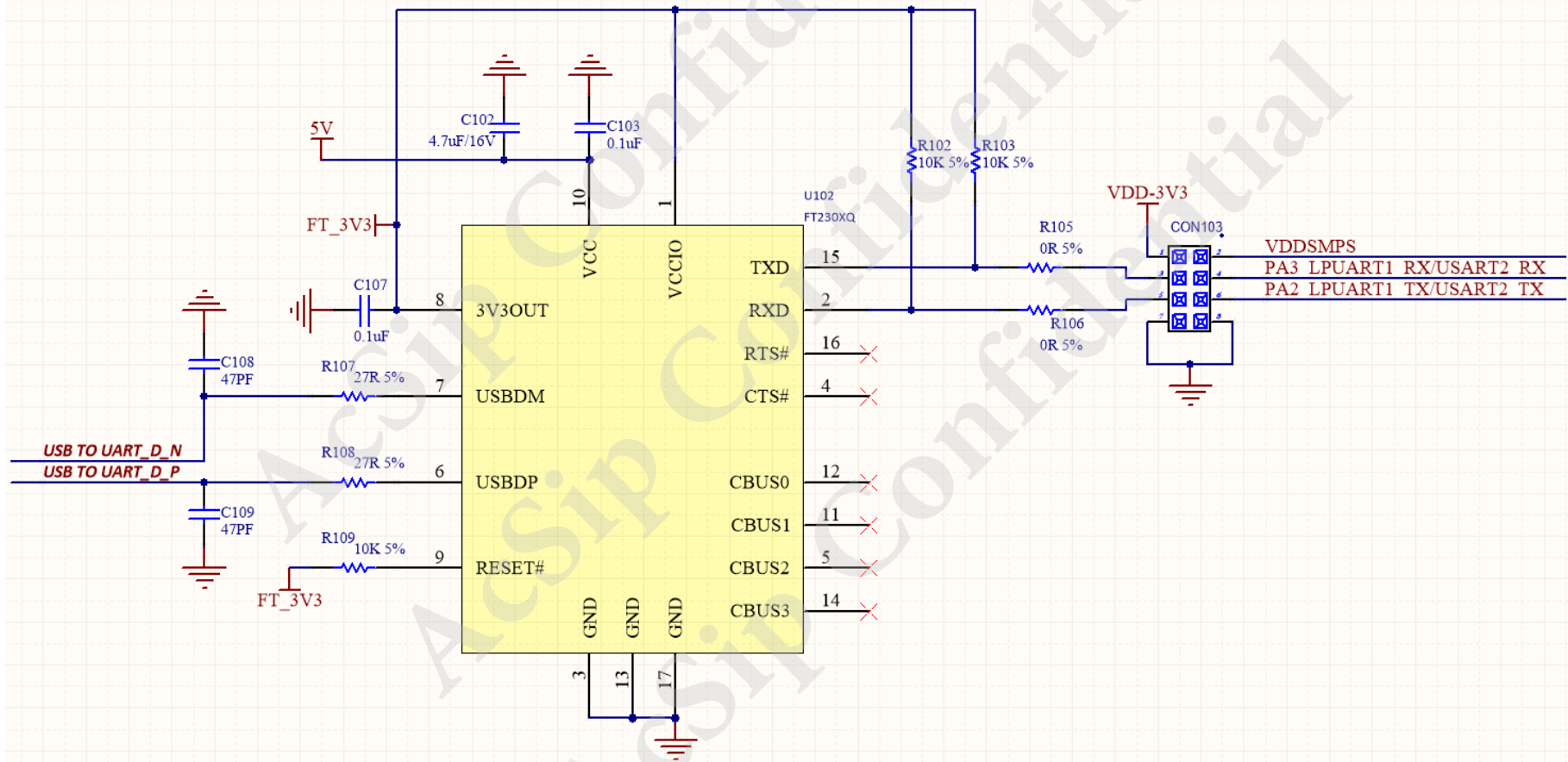
Module peripheral circuit Diagram



EK-ST50 Schematic Diagram

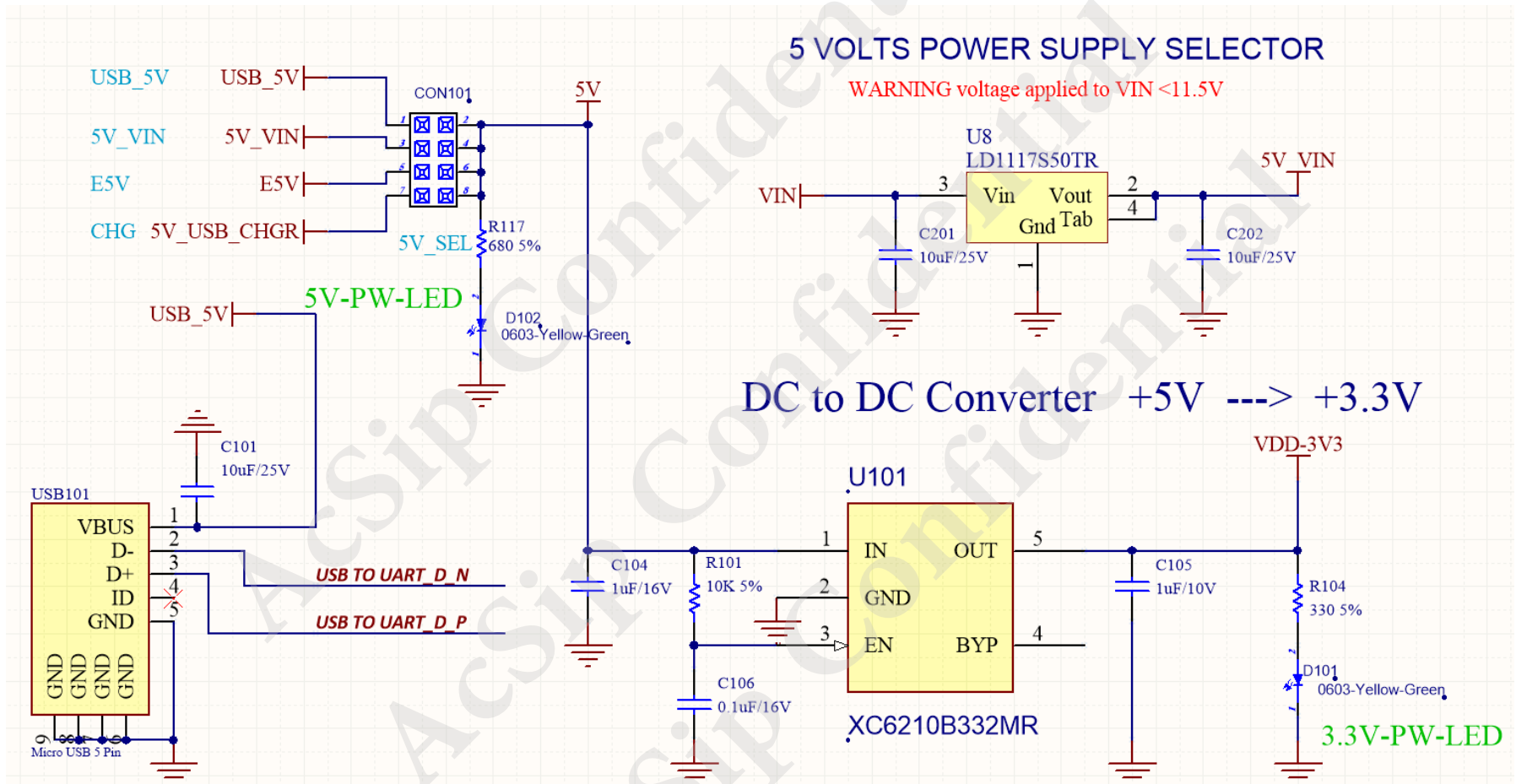
USB to UART Circuit Diagram

Uart to USB



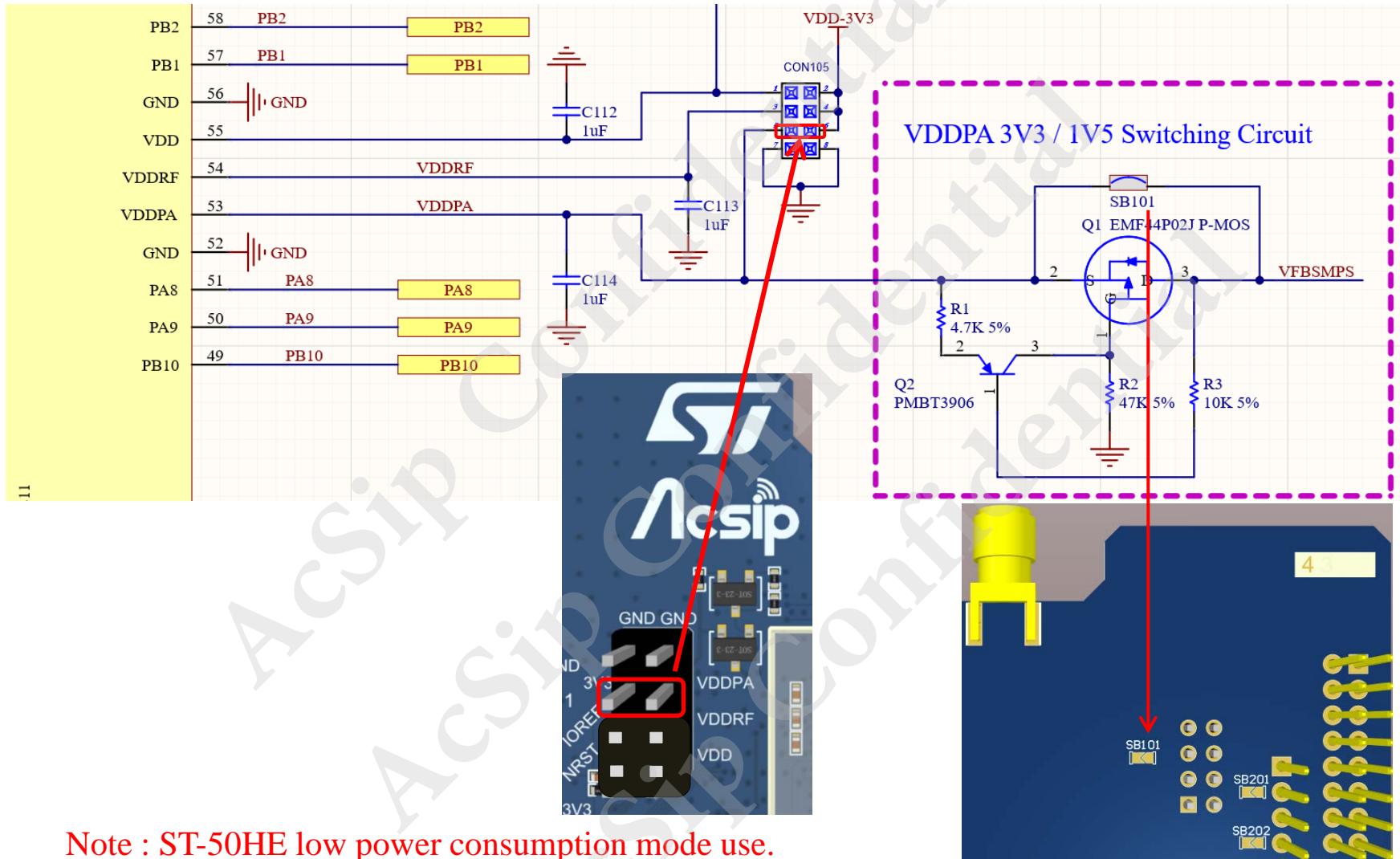
EK-ST50 Schematic Diagram

Power Supply Circuit Diagram



EK-ST50 Schematic Diagram

VDDPA Switching Circuit Diagram

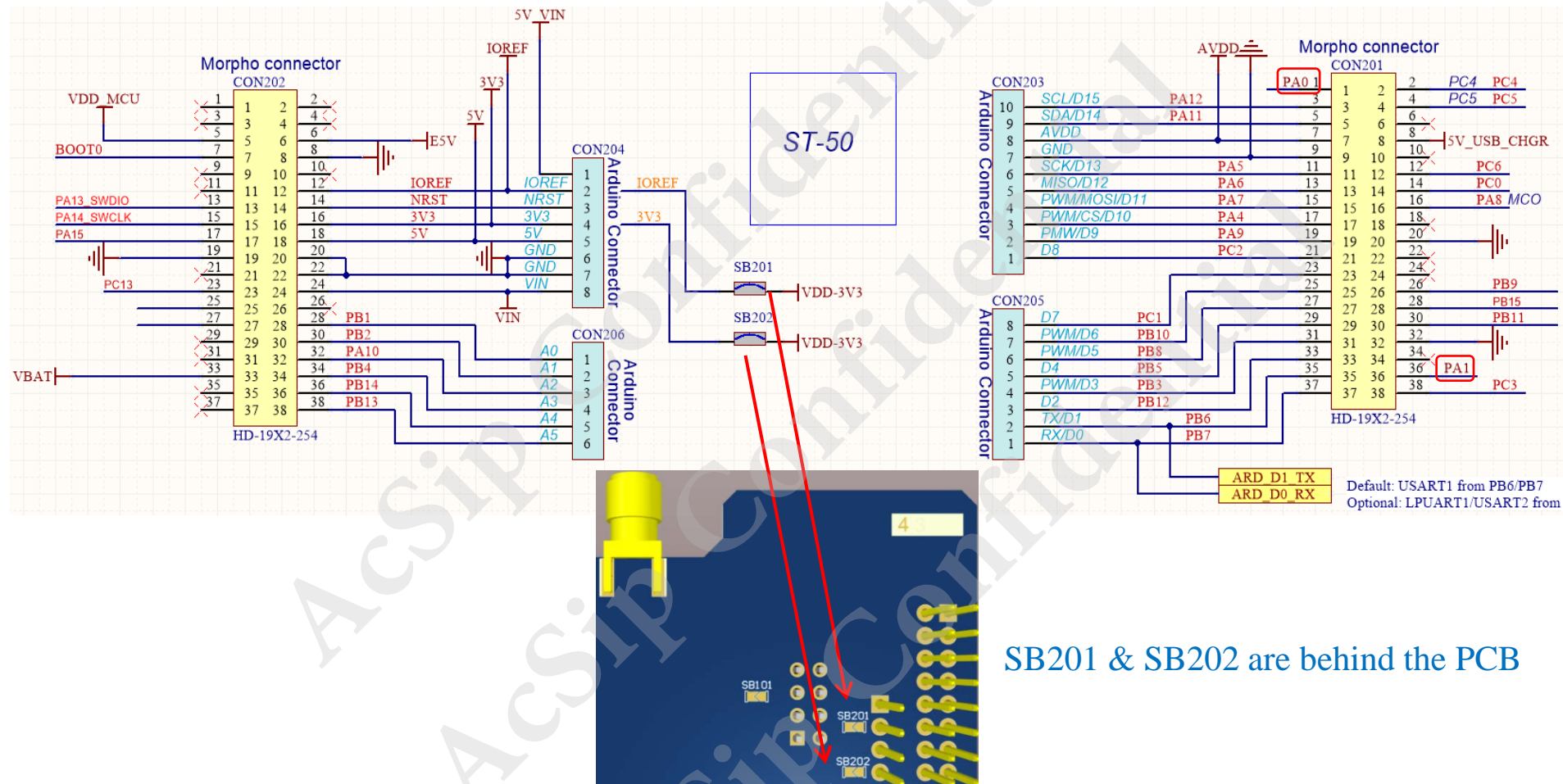


Note : ST-50HE low power consumption mode use.
(Jumper must be remove)

SB101 is behind the PCB

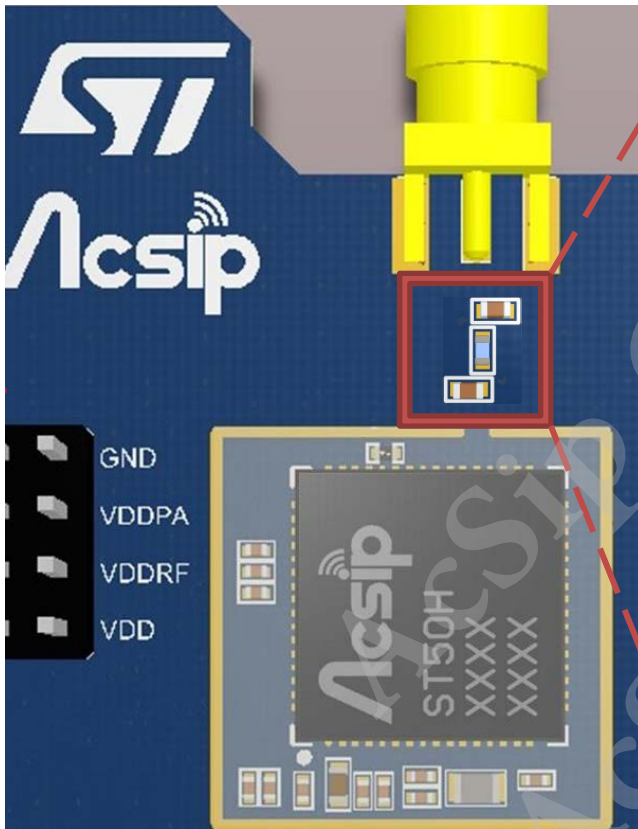
EK-ST50 Schematic Diagram

Pin definition Circuit Diagram

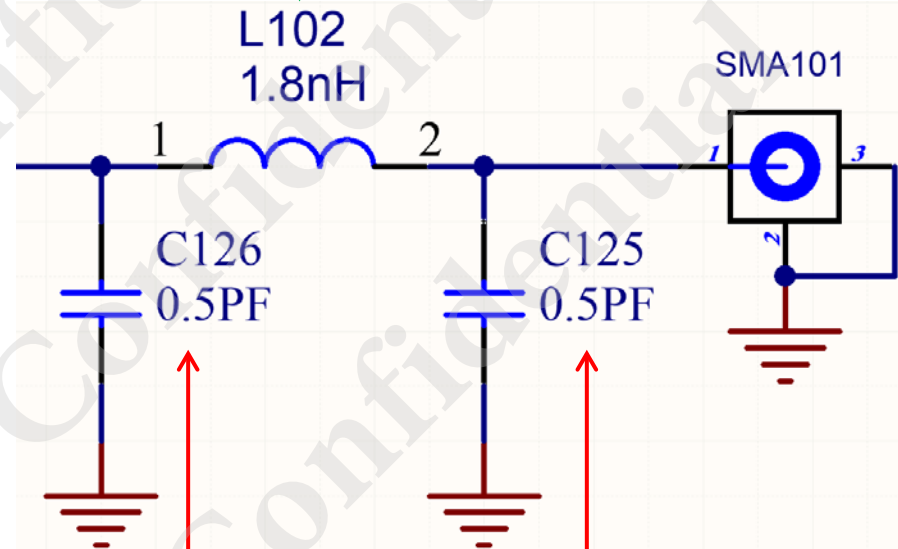


Note : The PA0 and PA1 pins in ST50H have been controlled by Acsip's software , So these two pins on the PCB are NC pins.

Low-Pass Filter Circuit for EMI Test



Inductor : Murata LQG15HS1N8S02D



Capacitor : Murata GRM1555C1HR50BA01D