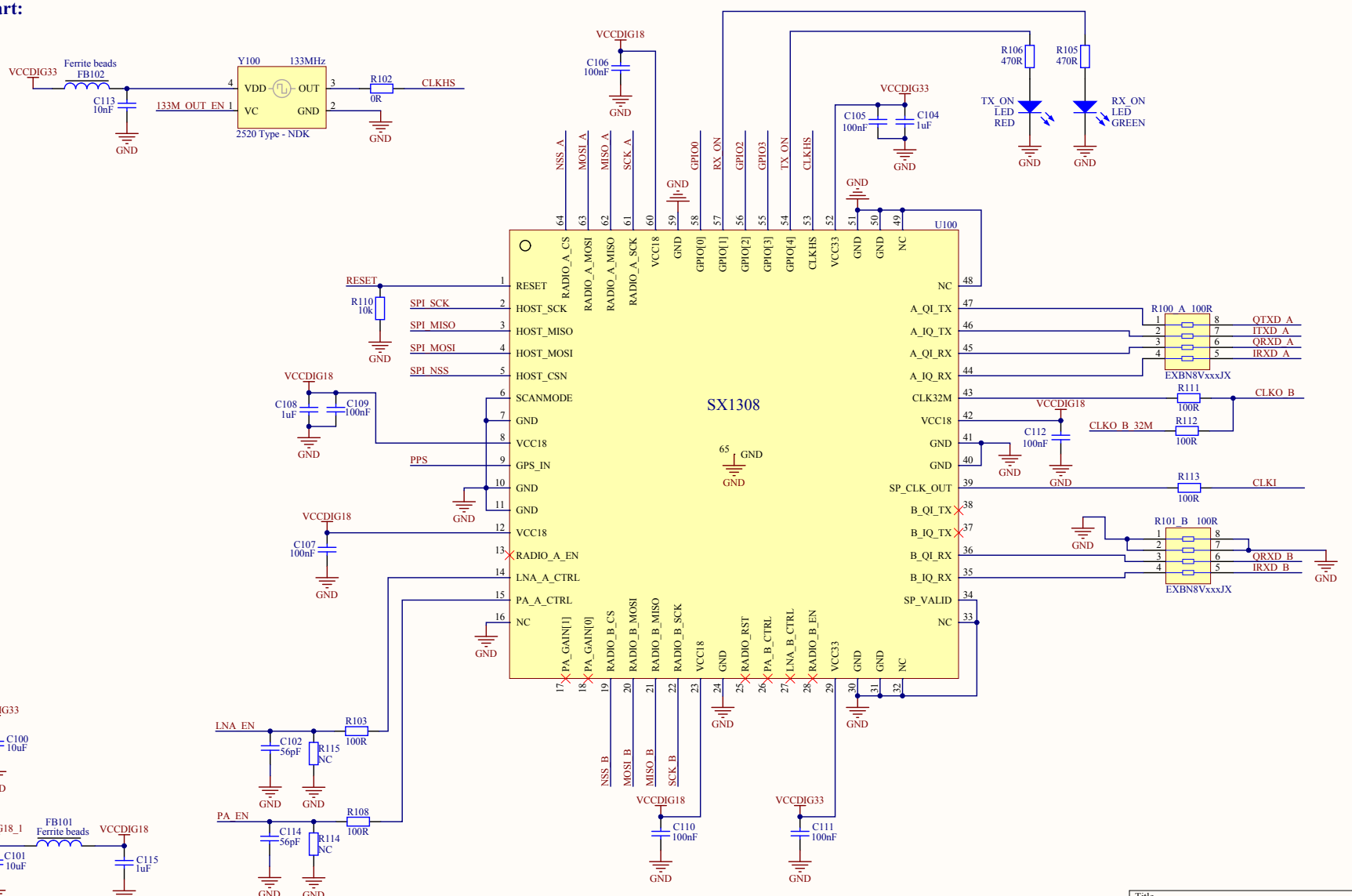
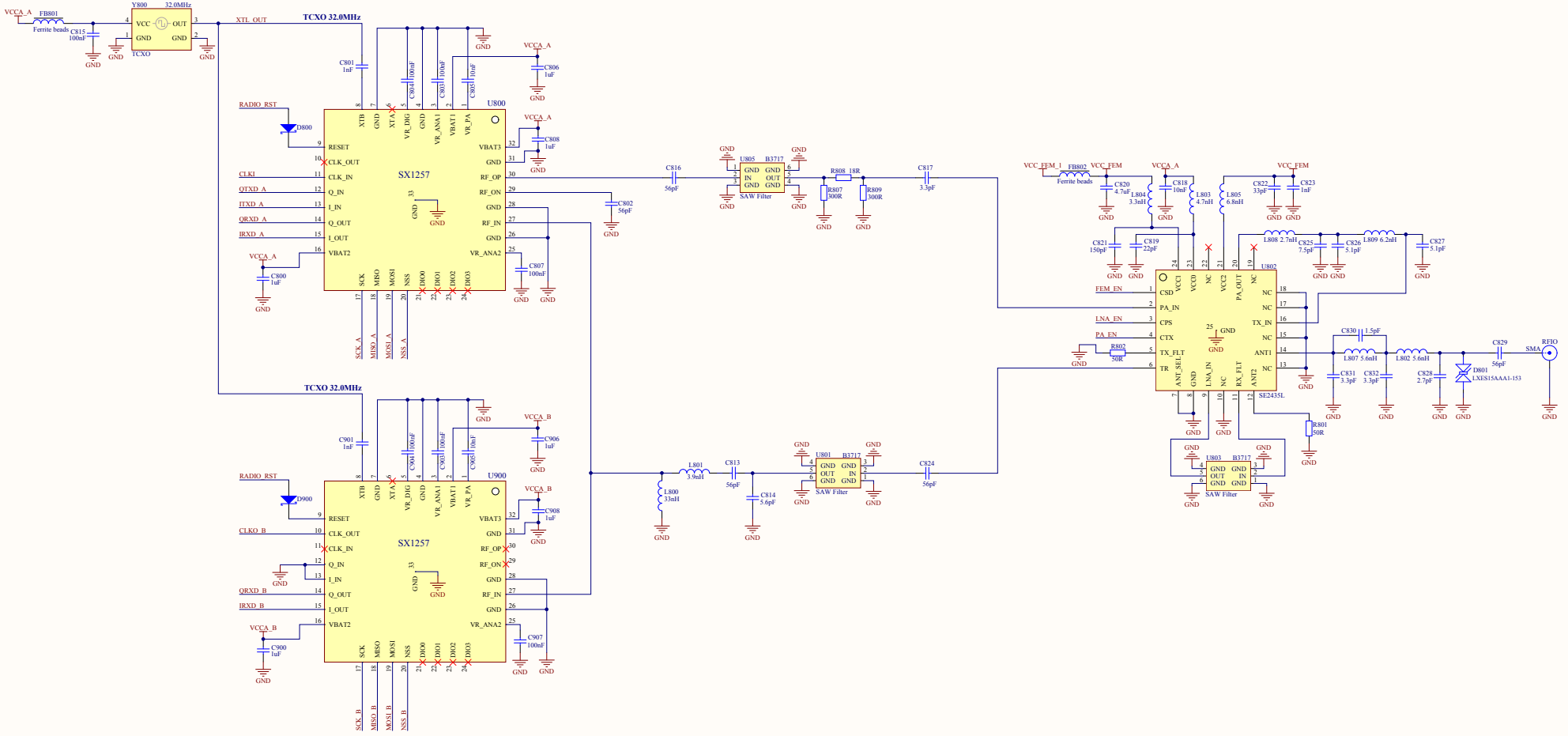
## SX1308 Part:




SEMTECH

| | | |
|---|---|---|
| Title: SX1308 Picocell Gateway - SX1308 part | | |
| Size: B | Number: PCB_E381V02C | Revision: V1a |
| Date: 20.12.2017 | Sheet of | |
| File: \\..\SX1308_GTW_e381v02c_SX1308_part.SchDoc | Drawn By: | |

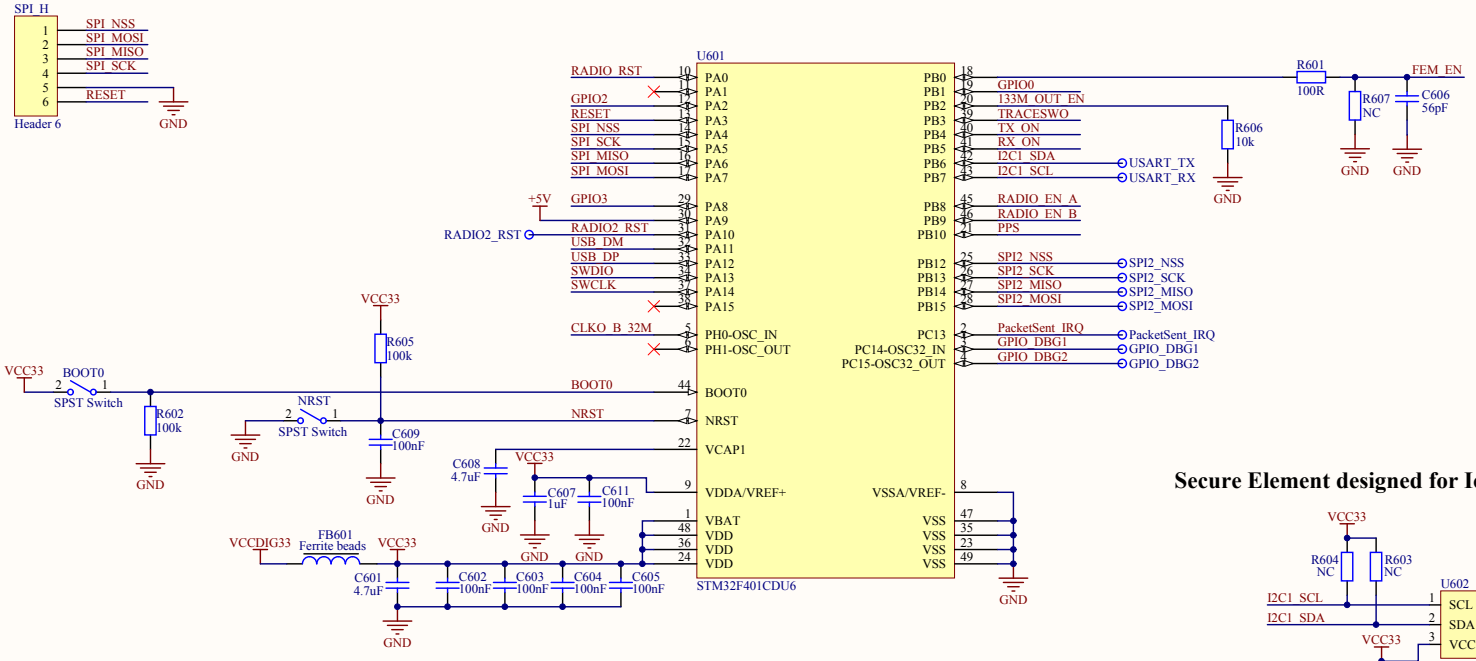
# SX1308 Picocell Gateway - RF Part:



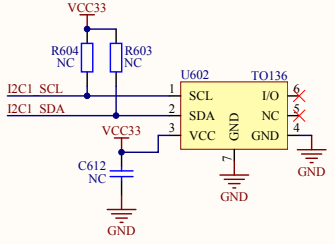

| | | | |
|---|---|---|---|
| Title | SX1308 Picocell Gateway - RF part | | |
| Size | Number | | Revision |
| A2 | PCB_E381V02C | | V1a |
| Date: | 20.12.2017 | Sheet of | |
| File: | \\..SX1308_GTW_e381v02c_RF_Part.SchDoc | Drawn By: | |

## STM32 MCU Part :

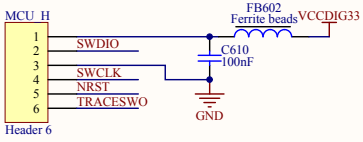
### SPI_Header for debug




### Secure Element designed for IoT and M2M apps (optional)




### MCU Prog Header :

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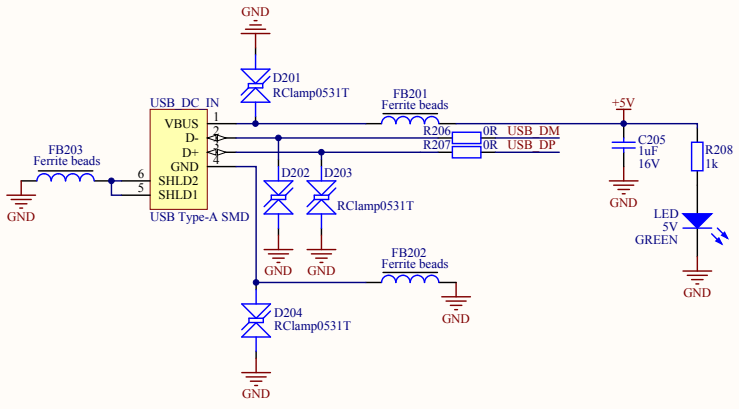
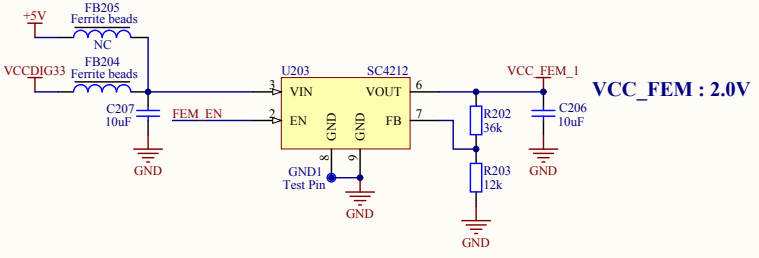
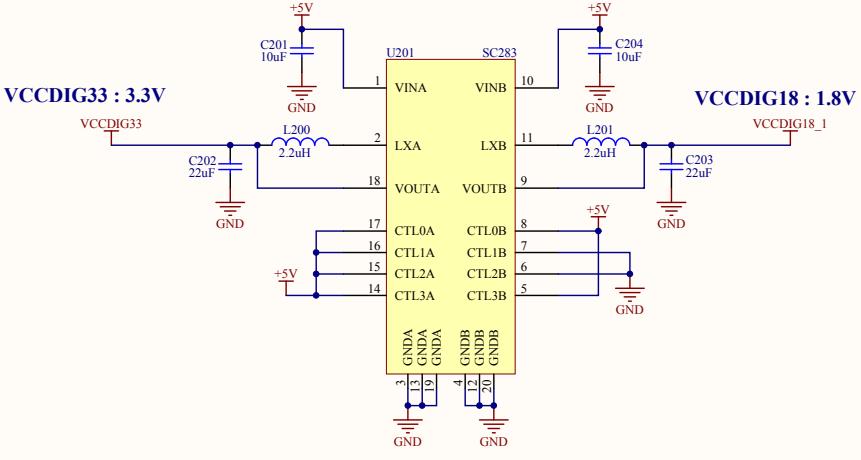
| | | |
|---|---|---|
| Title: SX1308 Picocell Gateway - STM32 MCU part | | |
| Size: B | Number: PCB_E381V02C | Revision: V1a |
| Date: 20.12.2017 | Sheet 3 of 5 | |
| File: \\...\SX1308_GTW_e381v02c_STM32_MCU.SchDoc | Drawn By: Erik Fountain | |

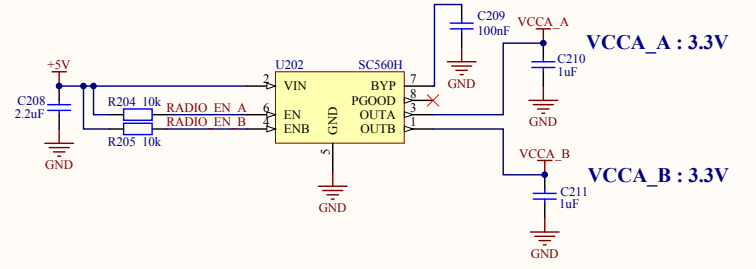
## DC Power Management for Picocell Gateway:

### Main +5V USB power Supply

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| | | |
|---|---|---|
| Title: SX1308 Picocell Gateway - DC Power Management | | |
| Size: B | Number: PCB_E381V02C | Revision: V1a |
| Date: 20.12.2017 | Sheet 4 of 5 | |
| File: \\..\SX1308_GTW_e381v02c_Power.SchDoc | Drawn By: Erik Fountain | |

# SX1308 Picocell Gateway @868MHz - Reference Design :

## TOP Schematic:

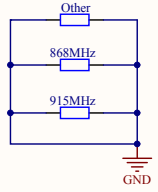
Designator
SX1308_GTW_e381v02c_Power.SchDoc

Designator
SX1308_GTW_e381v02c_RF_Part.SchDoc

Designator
SX1308_GTW_e381v02c_SX1308_part.SchDoc

Designator
SX1308_GTW_e381v02c_STM32_MCU.SchDoc

**Frequency reference:**




**Semtech logos + Fiducial_Marks:**

0 Logo Recycling2
0 Logo ESD 2
0 Logo LoRa 1
0 Logo LoRa 2
0 Fiducial Mark1
0 Logo Semtech 1
0 Logo Semtech 2

| | | |
|---|---|---|
| Title: SX1308 Picocell Gateway - TOP schematic | | |
| Size: B | Number: PCB_E381V02C | Revision: V1a |
| Date: 20.12.2017 | Sheet of | |
| File: \\..\SX1308_GTW_e381v02c_Top.SchDoc | Drawn By: | |