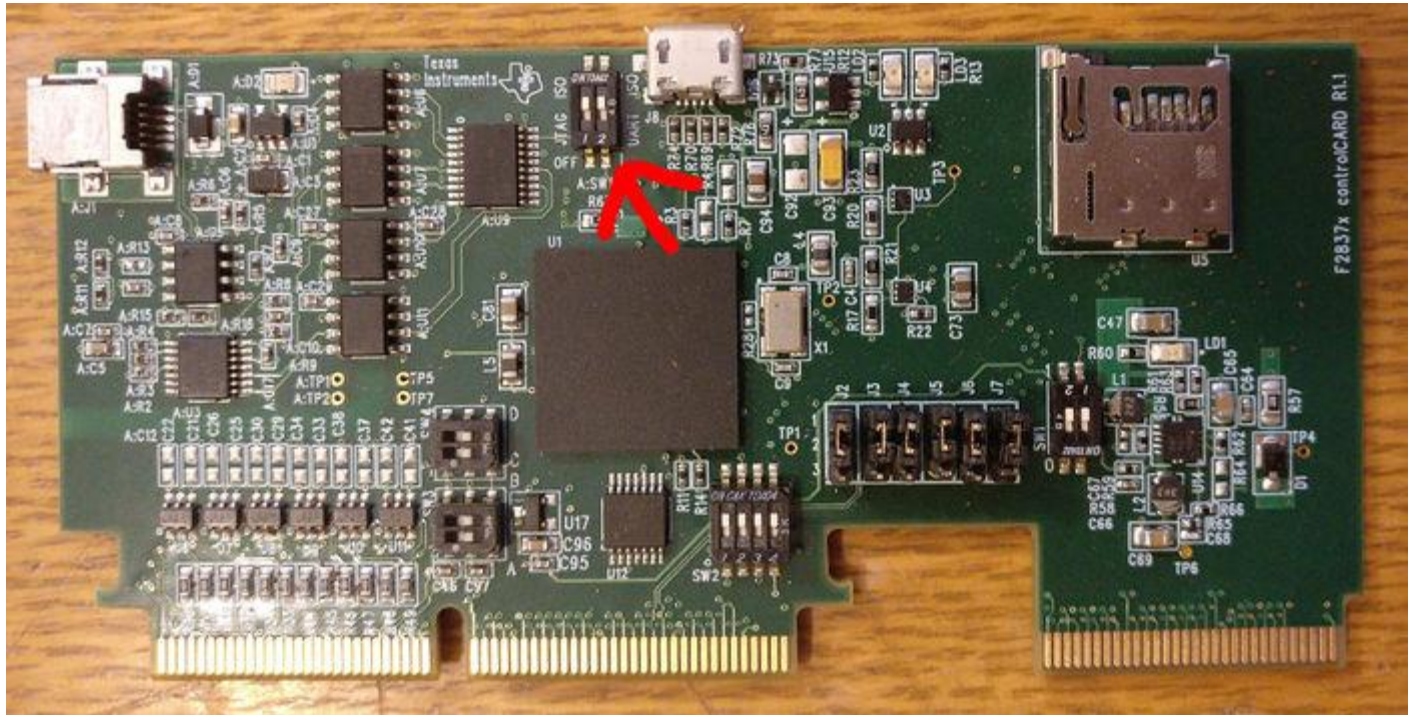


UART DIP Switches



Both Switches need to be set to the on position.

Switch Position 2 – ISO UART communication enable:

- **ON** – The C2000 MCU's GPIO-28 (and pin76 of the 180pin controlCARD connector) will be coupled to the FTDI's USB-to-Serial adapter. This allows UART communication to a computer via the FTDI chip. However, in this position, GPIO-28 will be forced high by the FTDI chip. Functionality of pin76 of the connector will be limited.
- **OFF** – The C2000 MCU will **NOT** be connected to the FTDI USB-to-Serial adapter. Pin76 of the 180pin controlCARD connector will be directly connected to GPIO-28.

Specifies the functionality of the UART depending on the position of the dip switches.

Installation on Debian based Linux Distros 2016 (Mint,Ubuntu)

Open the terminal

Make sure the system is up to date:

```
sudo apt update sudo apt upgrade
```

Install git:

```
sudo apt install git
```

Install qtcreator change qt to version 5:

```
sudo apt install qtcreator qt5-default g++
```

Install qtmultimedia dependencies:

```
sudo apt install qtmultimedia5-dev libqt5multimediawidgets5
```

```
libqt5multimedia5-plugins libqt5multimedia5
```

Install serialport libraries:

```
sudo apt install libqt5serialport5 libqt5serialport5-dev
```

Move to the location where you want to store the project, I will refer to this as <path>:

```
cd <path>
```

Make a directory to build and develop in, I will refer to it as <dir>:

```
mkdir <dir>
```

Clone the project into the directory:

```
git clone https://github.com/FIGS-FESS/FESSGUI.git <dir>
```

Move to this development directory:

```
cd <dir>/FESS-GUI
```

Open QT Creator

Click Open Project:

```
<path>/<dir>/FESS-GUI/FESS-GUI.pro
```

Click Configure project

Click Build All

Click the Green Arrow to run