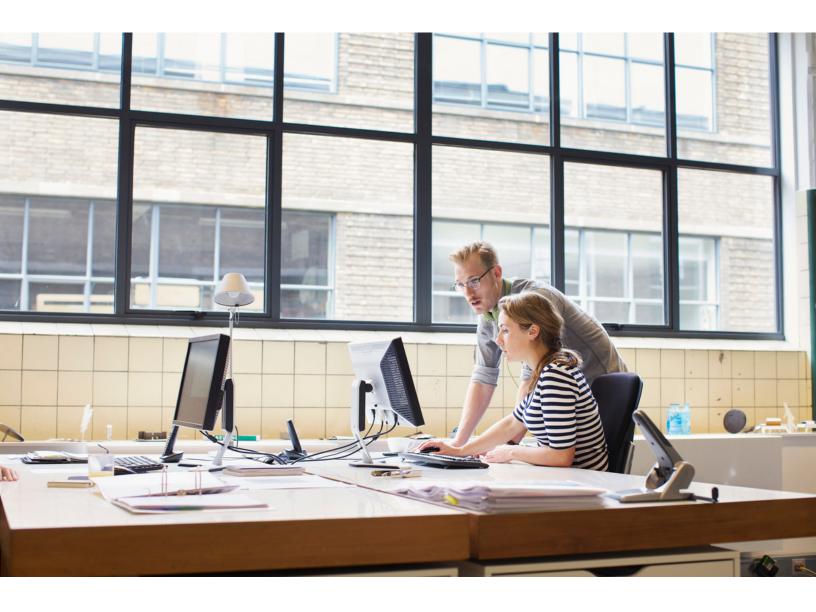# Installing Avnet Board Definition Files from GitHub

**Version 1.0**

# Contents

# 1 Download and Install Board Definition Files from GitHub

1. Using your preferred web browser travel to the following URL https://github.com/Avnet/bdf . This URL brings you to the location where Avnet stores all their Board Definition files.

2. Once desired URL is open, select **clone or download** highlighted in green on the right hand side of the webpage. Then select **Download Zip**. This will download an archive of all the available board definition files from Avnet.



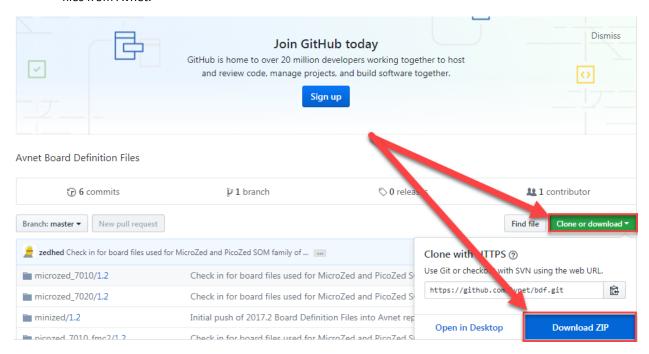**Figure 1 – Download Board Definition Repository**

3. **Extract** the downloaded zip contents to a known location.

4. After the archive has finished extracting **open** the **bdf-master folder** that was just extracted. You should see a list of available board definition files that can be installed.
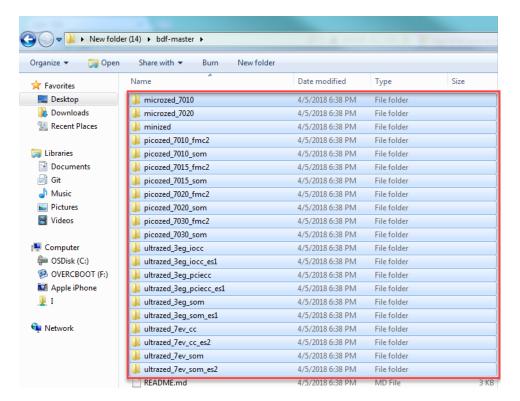
**Figure 2 – Available Board Definition Files**

5.  **Copy and paste** the available board definition files to Vivado install directory listed below

    **<install_location>\Vivado\<Vivado Version>\data\boards\board_files**

6.  To verify the board definition files have installed correctly, first verify Vivado is currently **not open** on your PC, **then open** Vivado.

7.  After Vivado is open **select create a new project then select next until you reached the point where you select either a Xilinx part to Target or an available board definition file**. **Select** the **Boards tab** and then **specify em.avnet.com** as the vendor. You will then be provided a list of available boards from that vendor. Scroll through the available list and **verify all boards are available**.
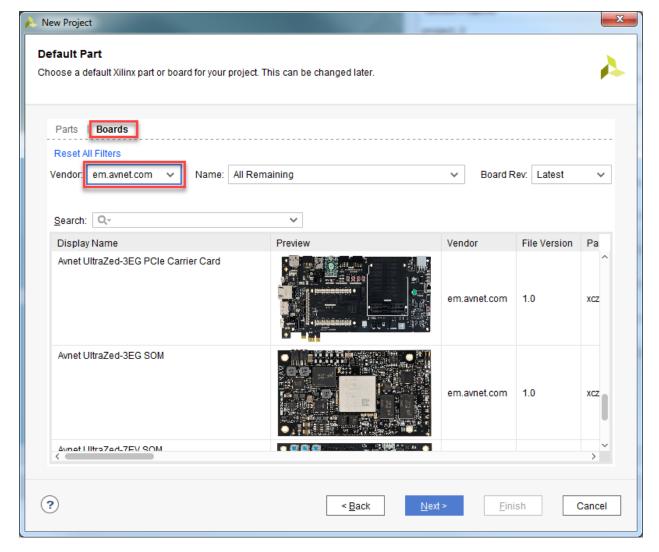
**Figure 3 – Installed Board Definition Files in Vivado 2018.1**

Note : Image above may be different pending Vivado version