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| Check for Serial Port  Issue the command on the next column from Command Prompt. If 0 is returned then do next steps | wmic path Win32\_SerialPort |
| Install Windows Drivers | [Link](https://www.silabs.com/software-and-tools/usb-to-uart-bridge-vcp-drivers?tab=downloads) |
| Install Python | [Link](https://www.python.org/downloads/) |
| Install pip | Download the script from [Link](https://bootstrap.pypa.io/get-pip.py) |
| Install pip (Contd) Execute the command from Command Prompt | python get-pip.py |
| Install Esptool package by executing the command from Command Prompt | Pip install esptool |
| Download the latest release of firmware from | [Link](https://micropython.org/download/ESP32_GENERIC/) |
| Connect ESP32 via DataCard | It can be Type B or Type C but ensure it is Data Card. |
| Execute the command from Command prompt from directory where esptool installed | esptool erase-flash |
| Install the firmware downloaded. (Change file name if you have downloaded a different version) | esptool --baud 460800 write\_flash 0x1000 C:\Data\Misc\Drivers\ESP32\_GENERIC-20250911-v1.26.1.bin |

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| Download and install ESP32-MPY-JAMA | Download from [Link](https://github.com/jczic/ESP32-MPY-Jama)  Refer release on right hand side. |
| Connect Device | Click on Connect Device at the right hand side top |

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| Download and install Thonny from here | Download from [Link](https://thonny.org/) |
| Connect Device | Post installation click on Run->Configure Interpreter  Choose these options: |