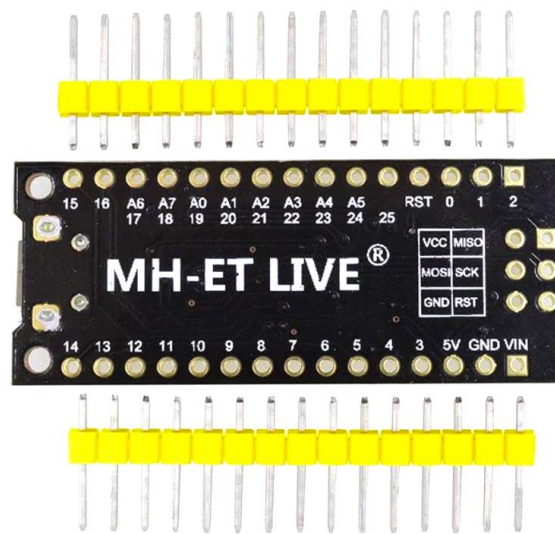




ATtiny88 Arduino Nano Compatible Controller Board

The ATtiny88 Nano is a compatible and cheaper version of the Arduino Nano. This variant is based on the ATtiny88 Microcontroller chip. This board contains a Micro USB connection with which the ATtiny88 can be programmed and powered. Usually Nano boards use a CH340 chip for converting USB to Serial, for example, but the ATtiny88 microcontroller has this built in.

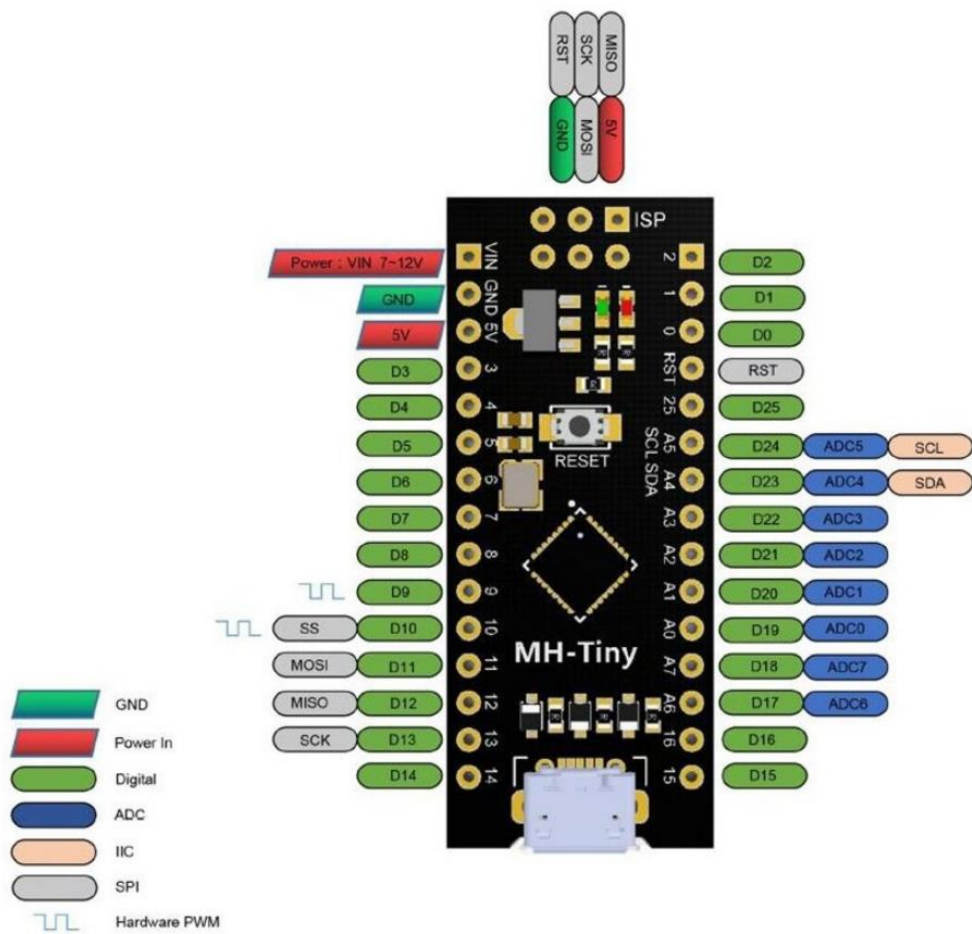


SKU: [MDU1144](#)

Brief Data:

- Microcontroller: ATtiny88.
- Arduino Nano Form Factor.
- Memory: 8KB Flash, 512B SRAM, 64B EEPROM.
- Programming Interface: Micro USB.
- Input voltage (VIN pin): (7~12)VDC.
- I/O pin voltage Tolerance: 5V.
- Digital I/O Pins: 26 (including 2 PWM).
- Analogue inputs: 8 Channel.
- Board Size:(45x18x3) mm.
- Power Indicator and Test/Status LED
- Board support package with Arduino IDE.

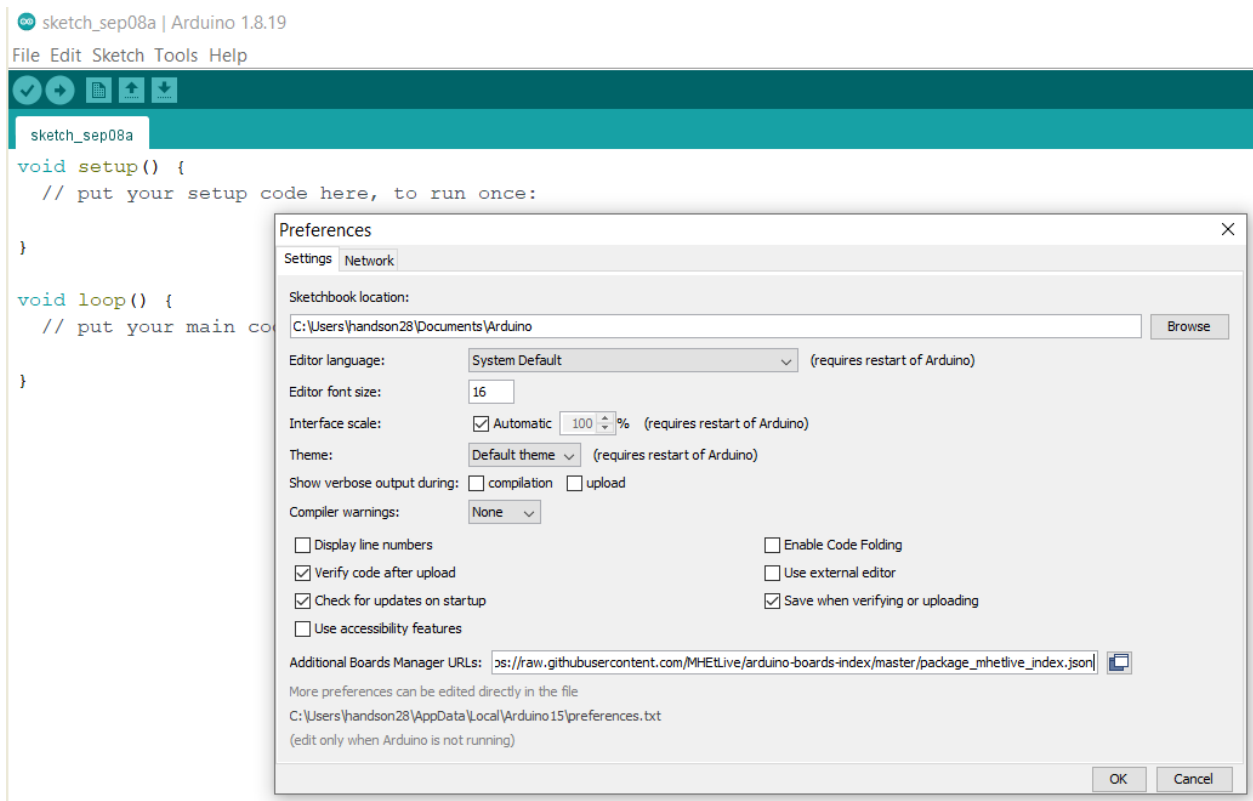
Pin Function Assignment:



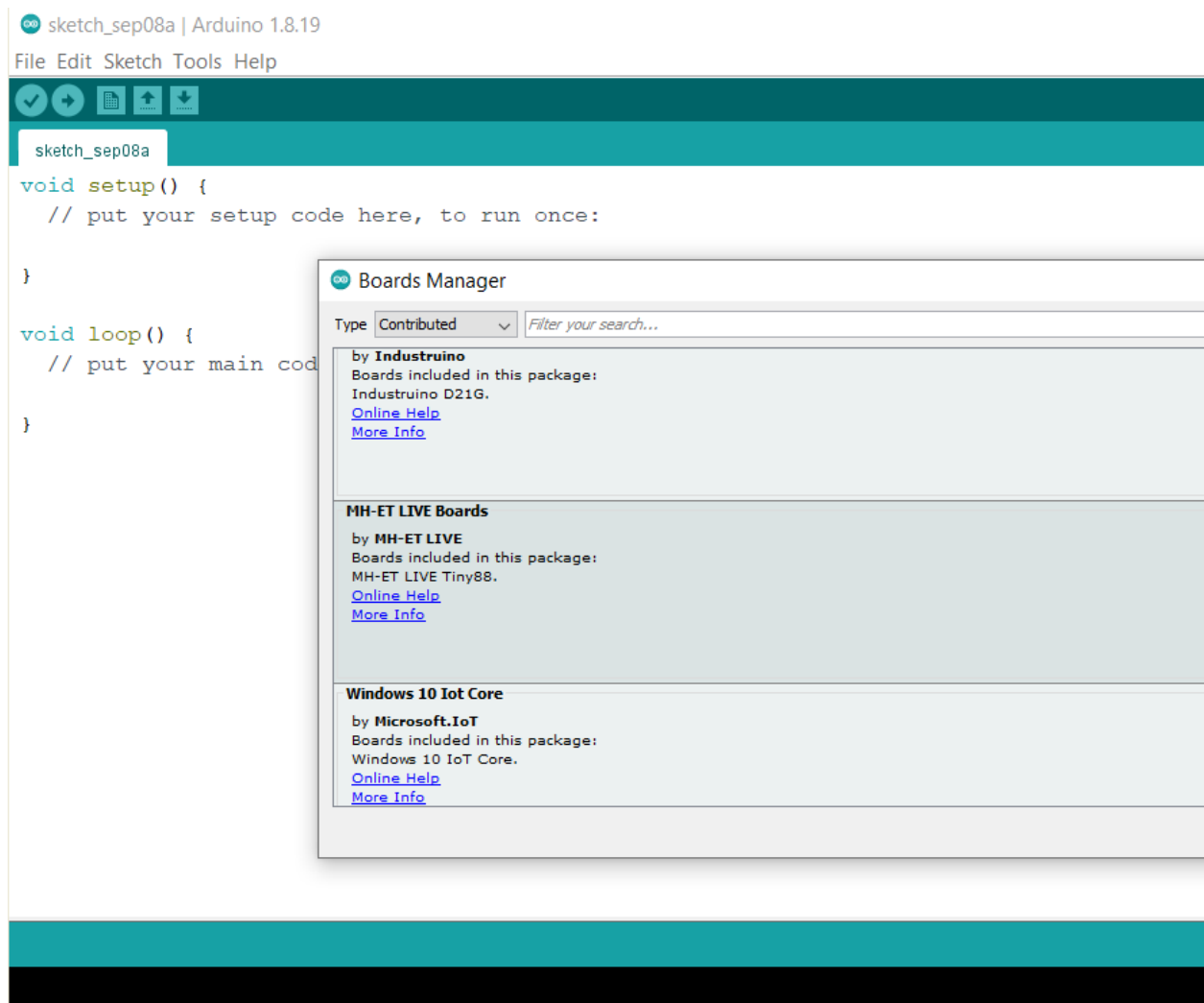
Setting Up Atiny88 Development board for Arduino IDE:

1. First download the appropriate Arduino package at the Arduino.cc website: [Arduino IDE](#).
2. If using Arduino 1.6.6 or higher and windows - you will need to download and install the Digispark Uploader Drivers manually. Download, unzip and run "Install Drivers" (on 32bit systems) or "DPIInst64" (on 64bit systems). The driver files are located here: [Additional Board](#).
3. Install or Unzip the Arduino IDE application. Run the Arduino IDE application.
4. In the Arduino IDE application go to the "File" menu and select "Preferences". In the box labeled "Additional Boards Manager URLs" enter:

https://raw.githubusercontent.com/MHETLive/arduino-boards-index/master/package_mhetlive_index.json



5. Go to the "Tools" menu and then the "Board" submenu - select "Boards Manager" and then from the type drop down select "Contributed": Select the "MH-ET LIVE Boards" package and click the "Install" button.



6. You'll see the download progress on the bottom bar of the "Boards Manager" window, when complete it will show "Installed" next to that item on the list. WINDOWS USERS: When complete the install with pop up a Driver Install Wizard window, please click "Next" on this Window to install the drivers for MH-ET LIVE Boards (If you already have them installed, this installer will update them and install any that are missing).

Done uploading.

```
Sketch uses 898 bytes (14%) of program storage space. Maximum  
Global variables use 9 bytes of dynamic memory.
```

```
Running Digispark Uploader...
```

```
Plug in device now... (will timeout in 60 seconds)
```

```
> Please plug in the device ...
```

```
> Press CTRL+C to terminate the program.
```

```
> Device is found!
```

```
connecting: 16% complete
```

```
connecting: 22% complete
```

```
connecting: 28% complete
```

```
connecting: 33% complete
```

```
> Device has firmware version 2.2
```

```
> Device signature: 0x1e9311
```

```
> Available space for user applications: 6650 bytes
```

Web Resouces:

- <https://github.com/dbuezas/lgt8fx/wiki/Installation>
- <https://github.com/RalphBacon/LGT8F328P-Arduino-Clone-Chip-ATMega328P>
- https://github.com/LGTMCU/Larduino_HSP
- https://robojax.com/learn/arduino/?vid=robojax_MH-Tinny_Tinny88

Atiny88 Arduino Board Support Package:

https://raw.githubusercontent.com/MHETLive/arduino-boards-index/master/package_mhetlive_index.json

Digispark Uploader Driver:

<https://github.com/MHETLive/MHETLiveArduino/releases/download/1.0.0/2.0a4.rar>



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