(II) MREZYY

Damo Example

(40 pin Connector)

Use pin 32 for PWM

Nov.10 (Wed)

Example: PWM

GPIO2 (SDA1) GPIO3 (SCL1)

GPIO4 (GPIO\_GCLK)

GPIO17 (GPIO\_GEN0)

GPIO27 (GPIO\_GEN2) GPIO22 (GPIO\_GEN3)

GPIO10 (SPI0\_MOSI)

GPIO9 (SPI0 MISO)

GPIO11 (SPI0\_CLK)

ID\_SD (I2C EEPROM)

GND

GPIO6

VM1 GPIO13 GP1019

Run Jetsowio . Py to Config the pin for PWM jetson-io.py

First, Try to Run the jetson-work, wait for WI sween to Appear.

Note: If NI did not show, then do the following fix (Stepl in PPT)

> Step 2. Run jetson-io.py to configure pins

> > sudo /opt/nvidia/jetson-io/jetson-io.py



Mapping of PWM function (Device Iniver) to physical pin(s) Requies Software Configuration Tool Written python.

GND

GPIO14 (UART\_TXD0) GPIO15 (UART\_RXD0)

GPIO23 (GPIO\_GEN4) GPIO24 (GPIO\_GEN\$)

GPIO25 (GPIO\_GEN6)

GPIO8 (SPI\_CE0\_N)

GPIO7 (SPI\_CE1\_N)

GPIO12 PWM0

GPIO16 GPIO20

ID\_SC (I2C EEPROM)

GPIO18 (GPIO\_GEN1) PWM0

(DT. : Devla Tree)

Note:

Note: I2C and UART pins are connected to hardware and should not be reassigned. By default, all other pins (except power) are assigned as GPIO. Pins labeled with other functions are recommended functions if using a different device tree.

Step 1. Fix bugs

Fix the Bug By 4 Steps

from the distribution Configuration

\$sudo find /opt/nvidia/jetson-io/ -mindepth 1 -ma:

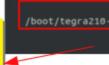
\$sudo /opt/nvidia/jetson-io/config-by-pin.py -p 5

\$sudo mkdir -p /boot/dtb

\$ Is /boot/\*.dtb | xargs -I{} sudo In -s {} /boot/dtb/

Note, on the UI, Be swe to select Save &

Be sure to choose save and reboot to reboot the system



Then, use Command Line Instruction (CLI) to Access to PWM

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wer) are assigned as GPIO. ed with other functions are ded functions if using a evice tree.



Then, enter the following instructions.
Use USC, or Logic Analyses to Observe
the adopt.

cd /sys/class/pwm/pwmchip0

echo 0 > export

sleep 1 cd pwm0

Define as in Hz

echo 5000000 > period

echo 2500000 > duty\_cycle

echo 1 > enable

Output high defined as in Hz

