Guideline on Laptop Information Collection
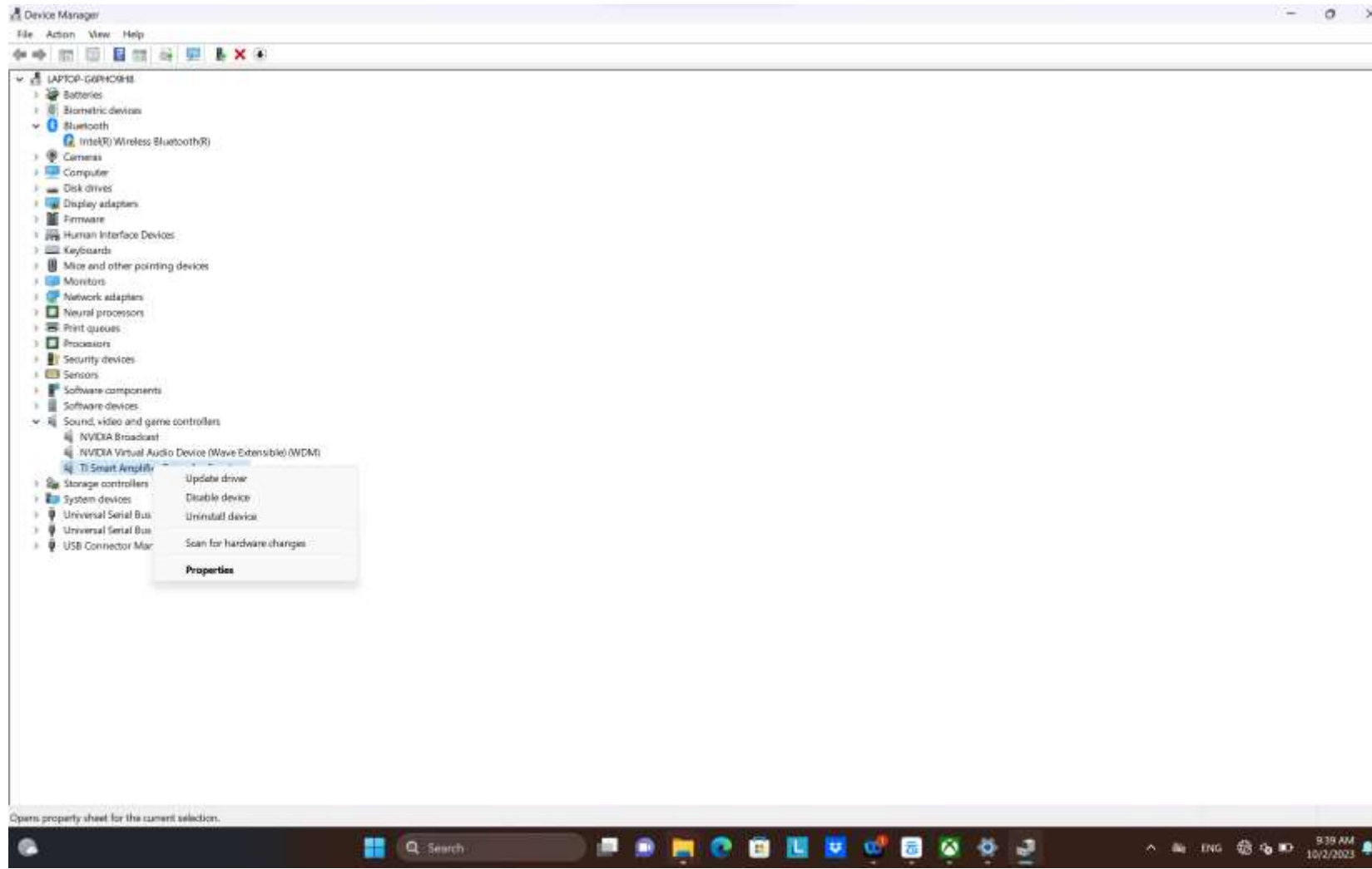
TEXAS INSTRUMENTS

Revision history

Ver	Date	Author	Description
1.0	2023/9/28		Initial

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Windows | Hardware ID collection in I

Type "device manager" in search bar

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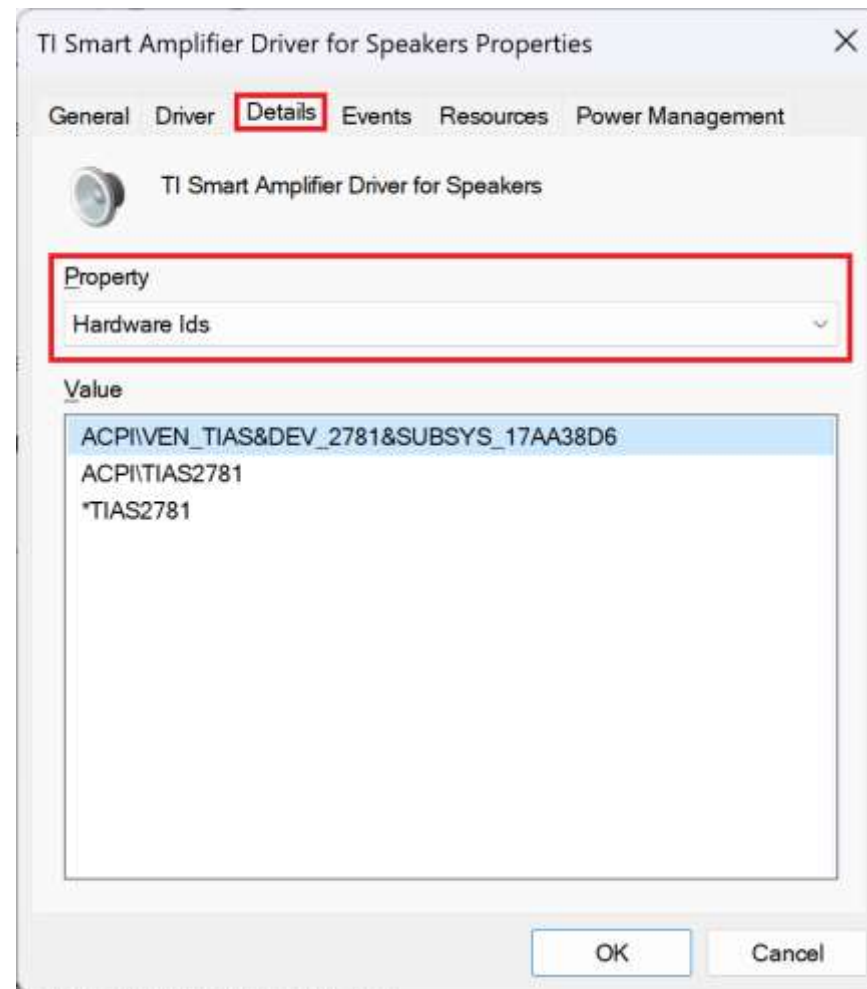# Windows | Hardware ID collection II

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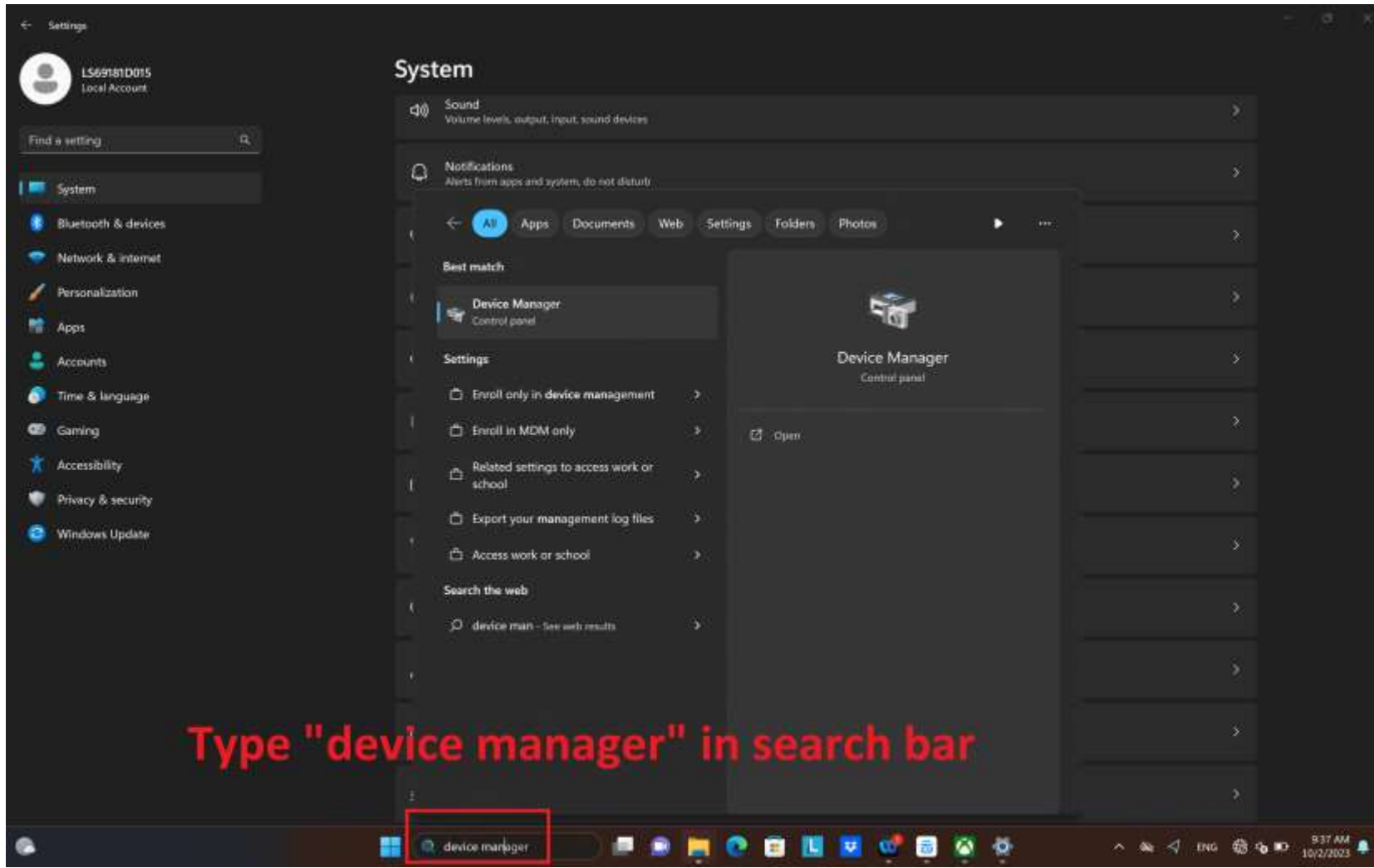
Windows | Hardware ID collection III

TEXAS INSTRUMENTS
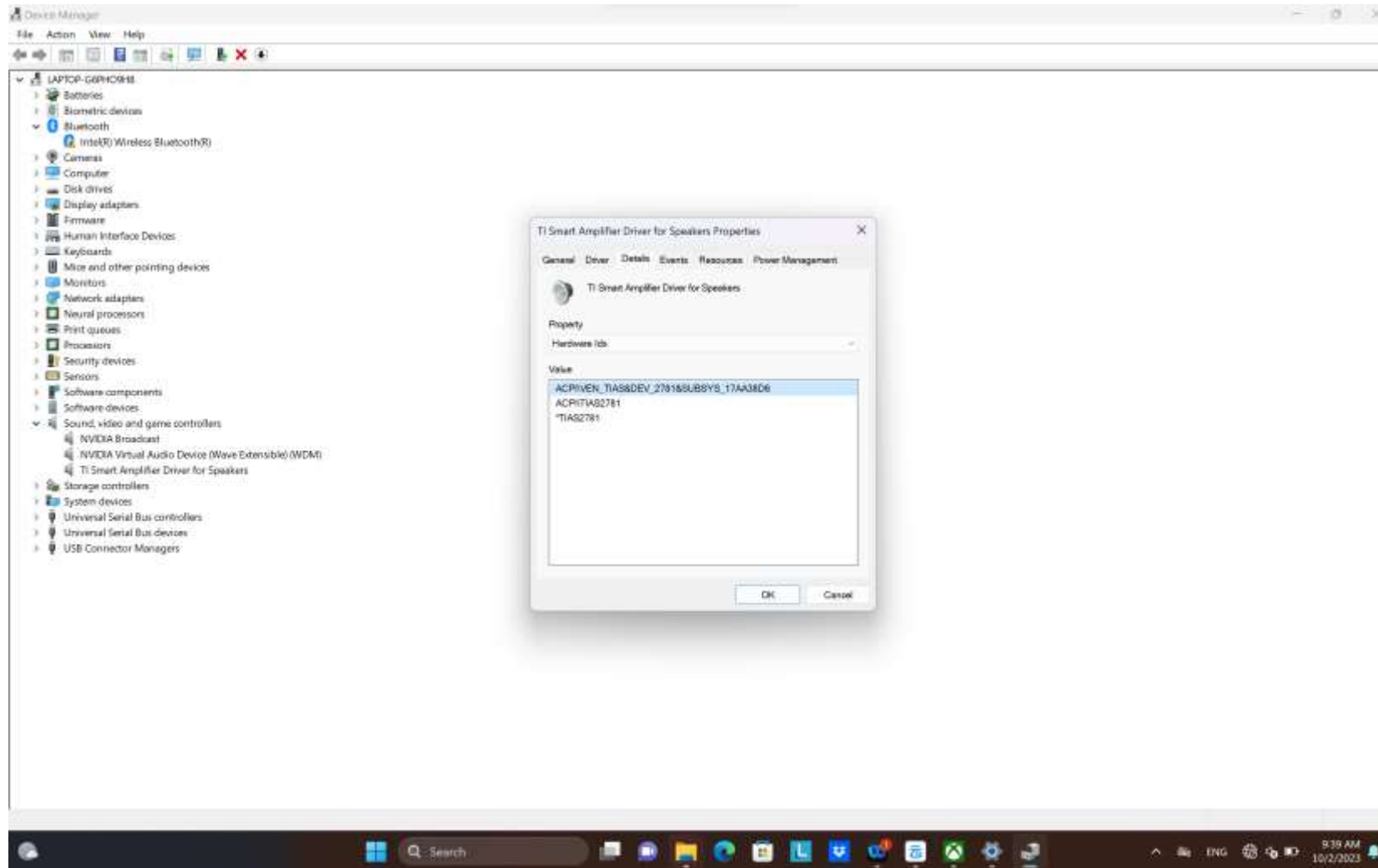
Windows | Hardware ID collection IV

- Goto Details page and set "Hardware Ids", then screenshot it and send it to me, I'll check the hardware id.

Linux | Confirm which i2c bus tas2781s are on I

pushd /sys/bus/i2c/devices

ls -al

PS:

- Then screenshot the Command Terminal, and send it to me, I will check it, too.
- Next page is the example, please pay attention on which i2c bus the TIAS2781 is. This information can help us to confirm how many pieces of tas2781 in your laptop.

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Linux | Confirm which i2c bus tas2781s are on II

```
root@CompterClub:/sys/bus/i2c/devices# ls -al
total 0
drwxr-xr-x 2 root root 0 May 31 14:40 .
drwxr-xr-x 4 root root 0 May 31 14:40 ..
lrwxrwxrwx 1 root root 0 May 31 14:40 i2c-0 -> ../../../devices/platform/AMDI0010:00/i2c-0
lrwxrwxrwx 1 root root 0 May 31 14:40 i2c-1 -> ../../../devices/platform/AMDI0010:01/i2c-1
lrwxrwxrwx 1 root root 0 May 31 14:40 i2c-10 -> ../../../devices/pci0000:00/0000:00:08.1/0000:c3:00.0/i2c-10
lrwxrwxrwx 1 root root 0 May 31 14:40 i2c-11 -> ../../../devices/pci0000:00/0000:00:08.1/0000:c3:00.0/i2c-11
lrwxrwxrwx 1 root root 0 May 31 14:40 i2c-12 -> ../../../devices/pci0000:00/0000:00:08.1/0000:c3:00.0/i2c-12
lrwxrwxrwx 1 root root 0 May 31 14:40 i2c-13 -> ../../../devices/pci0000:00/0000:00:08.1/0000:c3:00.0/i2c-13
lrwxrwxrwx 1 root root 0 May 31 14:40 i2c-14 -> ../../../devices/pci0000:00/0000:00:08.1/0000:c3:00.0/i2c-14
lrwxrwxrwx 1 root root 0 May 31 14:40 i2c-15 -> ../../../devices/pci0000:00/0000:00:08.1/0000:c3:00.0/drm/card0/card0-eDP-1/i2c-15
lrwxrwxrwx 1 root root 0 May 31 14:40 i2c-16 -> ../../../devices/pci0000:00/0000:00:08.1/0000:c3:00.0/drm/card0/card0-DP-1/i2c-16
lrwxrwxrwx 1 root root 0 May 31 14:40 i2c-17 -> ../../../devices/pci0000:00/0000:00:08.1/0000:c3:00.0/drm/card0/card0-DP-2/i2c-17
lrwxrwxrwx 1 root root 0 May 31 14:40 i2c-18 -> ../../../devices/pci0000:00/0000:00:08.1/0000:c3:00.0/drm/card0/card0-DP-3/i2c-18
lrwxrwxrwx 1 root root 0 May 31 14:40 i2c-19 -> ../../../devices/pci0000:00/0000:00:08.1/0000:c3:00.0/drm/card0/card0-DP-4/i2c-19
lrwxrwxrwx 1 root root 0 May 31 14:40 i2c-2 -> ../../../devices/platform/AMDI0010:02/i2c-2
lrwxrwxrwx 1 root root 0 May 31 14:40 i2c-20 -> ../../../devices/pci0000:00/0000:00:08.1/0000:c3:00.0/drm/card0/card0-DP-5/i2c-20
lrwxrwxrwx 1 root root 0 May 31 14:40 i2c-21 -> ../../../devices/pci0000:00/0000:00:08.1/0000:c3:00.0/drm/card0/card0-DP-6/i2c-21
lrwxrwxrwx 1 root root 0 May 31 14:40 i2c-22 -> ../../../devices/pci0000:00/0000:00:08.1/0000:c3:00.0/drm/card0/card0-DP-7/i2c-22
lrwxrwxrwx 1 root root 0 May 31 14:40 i2c-3 -> ../../../devices/platform/AMDI0010:03/i2c-3
lrwxrwxrwx 1 root root 0 May 31 14:40 i2c-4 -> ../../../devices/pci0000:00/0000:00:14.0/i2c-4
lrwxrwxrwx 1 root root 0 May 31 14:40 i2c-5 -> ../../../devices/pci0000:00/0000:00:14.0/i2c-5
lrwxrwxrwx 1 root root 0 May 31 14:40 i2c-6 -> ../../../devices/pci0000:00/0000:00:14.0/i2c-6
lrwxrwxrwx 1 root root 0 May 31 14:40 i2c-7 -> ../../../devices/pci0000:00/0000:00:08.1/0000:c3:00.0/i2c-7
lrwxrwxrwx 1 root root 0 May 31 14:40 i2c-8 -> ../../../devices/pci0000:00/0000:00:08.1/0000:c3:00.0/i2c-8
lrwxrwxrwx 1 root root 0 May 31 14:40 i2c-9 -> ../../../devices/pci0000:00/0000:00:08.1/0000:c3:00.0/i2c-9
lrwxrwxrwx 1 root root 0 May 31 14:40 i2c-IDEA5002:00 -> ../../../devices/platform/AMDI0010:03/i2c-3/i2c-IDEA5002:00
lrwxrwxrwx 1 root root 0 May 31 14:40 i2c-ITE8350:00 -> ../../../devices/platform/AMDI0010:02/i2c-2/i2c-ITE8350:00
lrwxrwxrwx 1 root root 0 May 31 14:40 i2c-SYNA2BA6:00 -> ../../../devices/platform/AMDI0010:00/i2c-0/i2c-SYNA2BA6:00
lrwxrwxrwx 1 root root 0 May 31 14:40 i2c-TIAS2781:00 -> ../../../devices/platform/AMDI0010:03/i2c-3/i2c-TIAS2781:00
root@CompterClub:/sys/bus/i2c/devices#
```

Linux | Check how many pieces of tas2781


```
root@smartamp-INVALID:/sys/bus/i2c/devices/i2c-3# i2cdetect -r 3
WARNING! This program can confuse your I2C bus, cause data loss and worse!
I will probe file /dev/i2c-3 using receive byte commands.
I will probe address range 0x08-0x77.
Continue? [Y/n] y
     0  1  2  3  4  5  6  7  8  9  a  b  c  d  e  f
00:                         -- -- -- -- -- -- -- --
10: -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
20: -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
30: -- -- -- -- -- -- -- -- 38 -- -- -- -- UU 3e 3f
40: -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
50: -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
60: -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
70: -- -- -- -- -- -- -- --
root@smartamp-INVALID:/sys/bus/i2c/devices/i2c-3# 
```

- Install i2c-tools

  # apt install i2c-tools

- Run i2cdetct

  # i2cdetect -r 3

  PS: 3 is the i2c but number, pls use the correct number in your system.

  - "UU", means this address is currently in use by a driver".

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Linux | ACPI collection

- Copy all the table files in /sys/firmware/acpi/tables, and send to us.

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Thanks!