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ams TMD2621 Proximity Sensor Module for Behind OLED Applications User Guide

Contents

ams TMD2621 Proximity Sensor Module for Behind OLED Applications
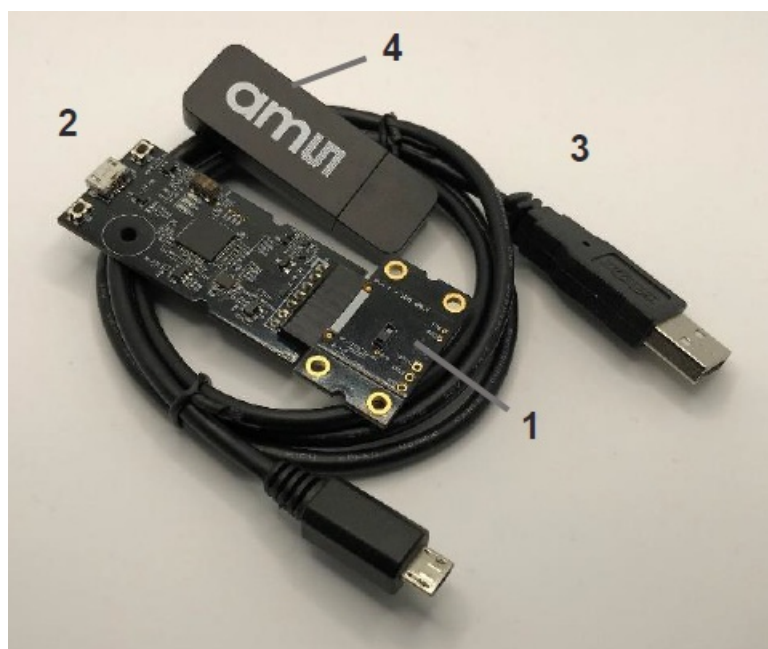
Out of the Box

For a detailed description of the TMD2621 EVM Proximity Sensor Module for Behind OLED Applications, please refer to User Guide

- TMD2621 EVM User Guide – UG001026

Each TMD2621 Evaluation Kit comes with the following components

No.	Item	Description
1	TMD2621 EVM Daughter Card	PCB with TMD2621 sensor installed
2	EVM Controller Board	Used to communicate USB-to-I2C
3	USB Cable (A to Micro-B)	Connects EVM controller to PC
4	Flash Drive	Contains application and document installer

Software Installation

1. Plug the flash drive into an unused USB port
2. Double-click the Setup.exe file on the flash drive, or click Start > Run and type E:Setup.exe and press Enter.
   IMPORTANT: Use the appropriate drive letter in the above command to install the software. Flash Drive will commonly be assigned the next available drive letter for example C: hard drive, D: CD-ROM, E: flash drive
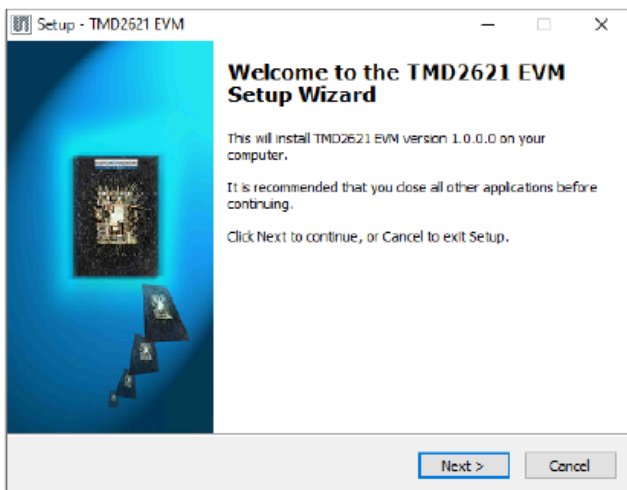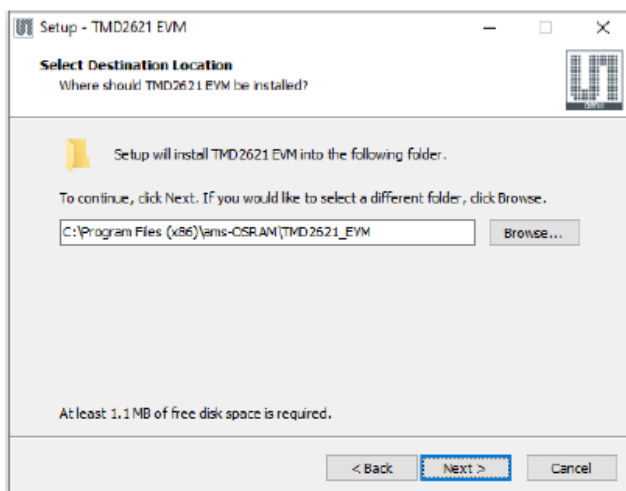
Figure 2:
Welcome Screen

Figure 3:
Liability Disclaimer

Figure 4:
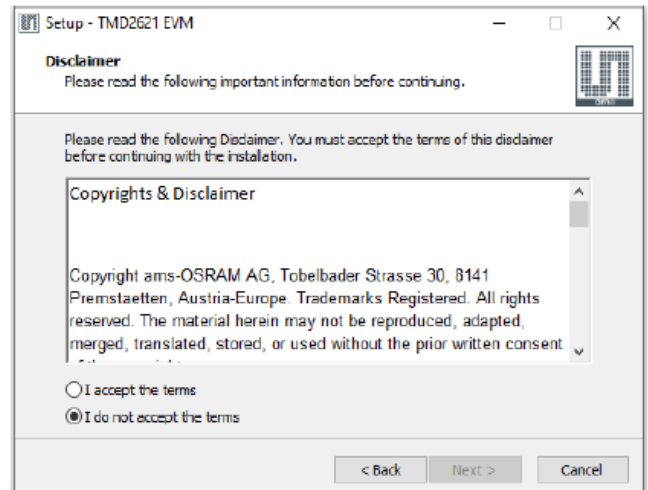Select Installation Location

Figure 5:
Select Start Menu Folder
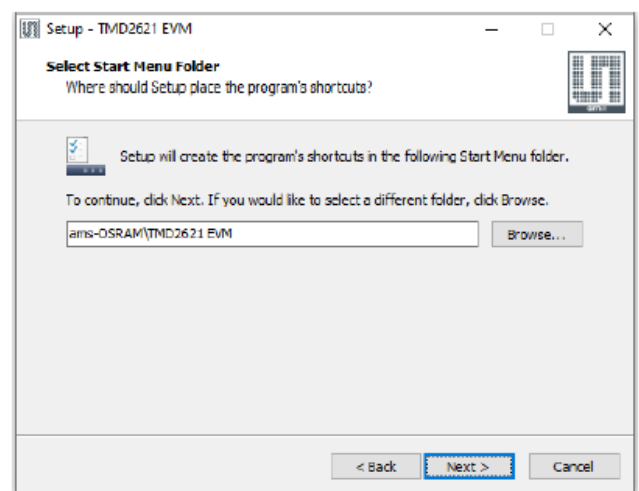
Figure 6:
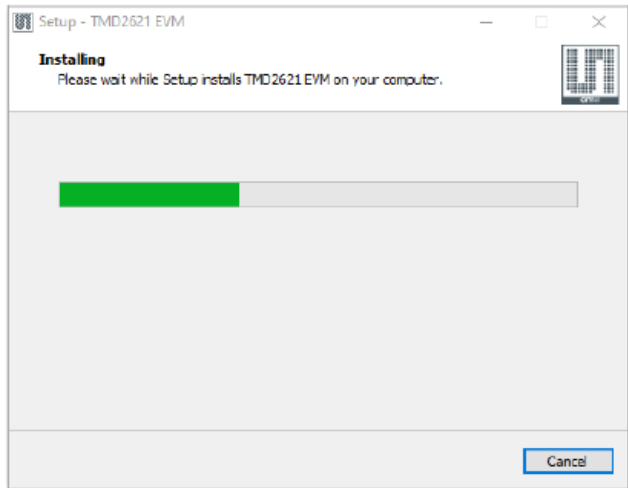**Installation Progress**

Figure 7:
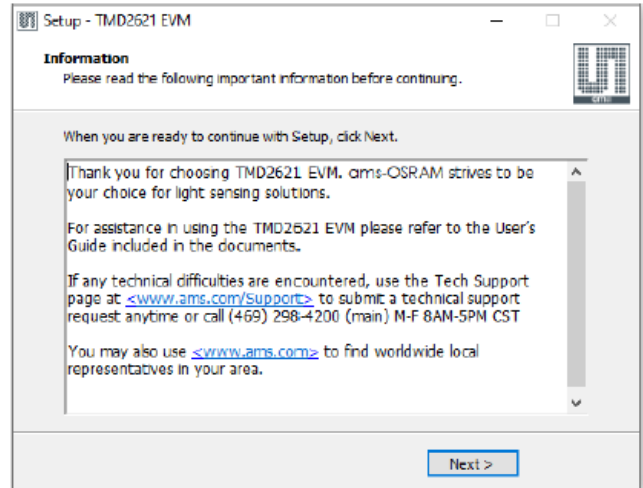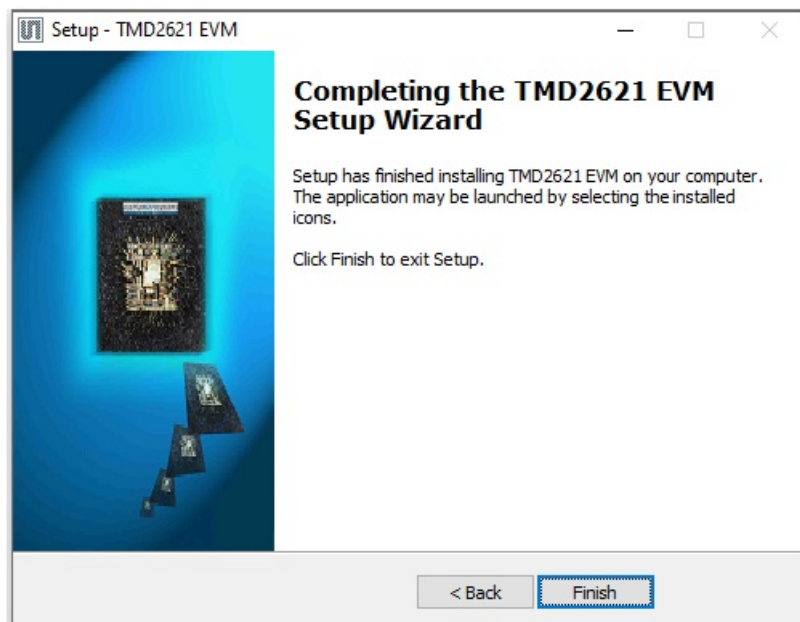**Information Screen**

Figure 8:
Installation Completed Successfully

3. The Setup Wizard will open and guide you through the installation of the TMD2621 EVM host software, (Figure 2throughFigure 8).

4. The EVM Controller board requires the installation of FTDI CDM drivers. If these drivers are not installed on your machine, this setup will automatically launch the installer for the FTDI drivers.

5. At the end of the installation, click Finish to exit the setup.

Connect Hardware

Plug the TMD2621 EVM Daughterboard into the Controller board (Figure 1). Always use ESD procedures when handling the EVM. Using the enclosed USB cable, plug the micro-B connector into the EVM module. Using the other end of the cable, plug the USB A-connector into a USB port on the computer. When the USB cable is connected, the green LED should light to indicate that power is being received via the USB interface, and the controller board processor is running. If the green LED does not light, check the USB cable connections; unplug the USB cable and try again. If the green LED still does not light, check the PC for USB error messages. When the software application is run, it will turn off the green LED.

Start the Application

To start the application select ams-OSRAM > TMD2621 EVM > TMD2621 EVM on the system menu. The default installation directory depending on the device and the operating system you are using is

- **C:** \Program Files\ams-OSRAM\TMD2621_EVM (Windows 32-bit operating systems)
- **C:** \Program Files (x86)\ams-OSRAM\TMD2621_EVM (Windows 64- bit operating systems)
- A different install path may be selected by the user during the install (Figure 4). When started, the TMD2621 window will open on the PC and automatically connect to the hardware.

Uninstall Application

To remove the software from your computer (Figure 9), select ams-OSRAM > TMD2621 EVM > Uninstall TMD2621 EVM or use the Windows Control Panel.
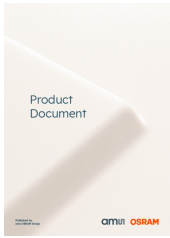
Figure 9:
Remove Installation
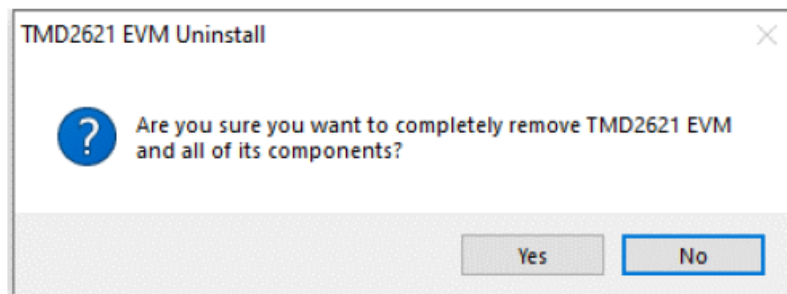
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