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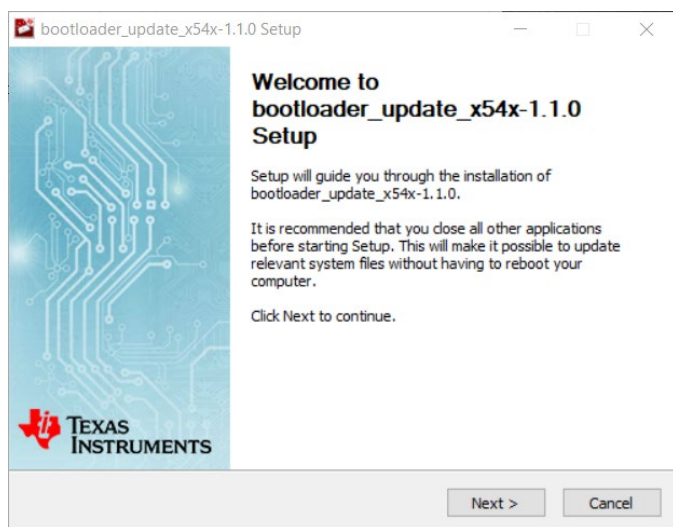
## Instructions for updating the DLPDLCR471TPEVM Firmware Bootloader to v3.2.2.

### NOTES:

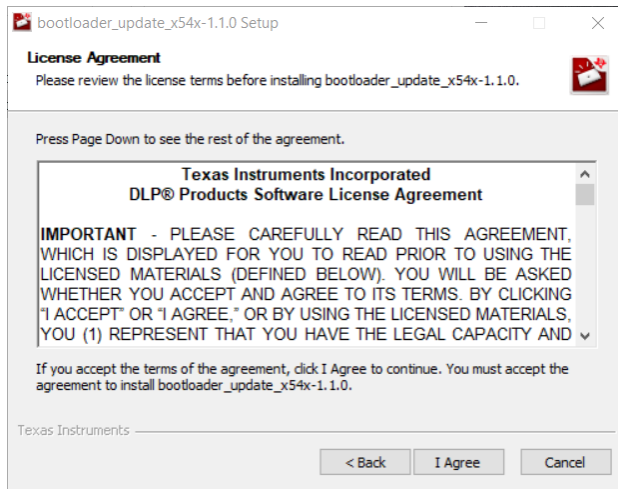
- 1) The new Firmware Bootloader v3.2.2 should be installed before the new Main App v3.2.5 (or later) is installed.
- 2) Please refer to the [DLPDLCR471TPEVM User's Guide](#) for EVM description and operating instructions. Compatible AC-DC power adapter requirements are included in the User's Guide (UG).

### A) Updating Bootloader

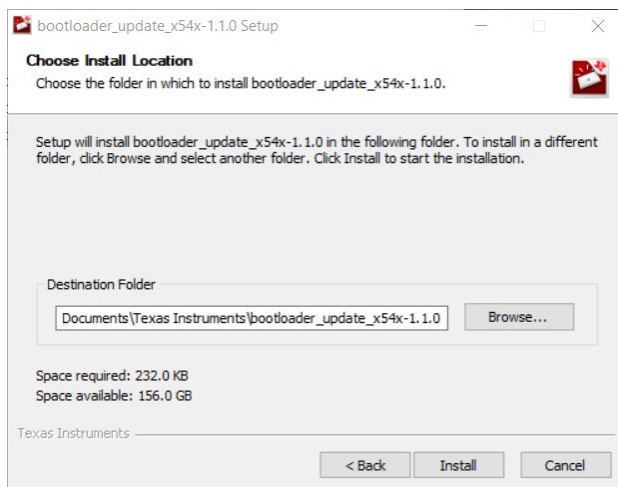
- 1) Before executing the bootloader\_update\_x54x-1.1.0-Setup.exe file provided with this README file, do the following steps:
  - a. Close the EVM GUI program if it is open.
  - b. Connect a compatible power supply per UG requirements and instructions.
  - c. Turn AC power on.
  - d. Turn SW1 (PROJ\_ON) switch on to turn on projector.
  - e. Wait for splash image to appear.
- 2) Connect your computer to the EVM with a USB A-Micro B cable.
- 3) Navigate to and double click on the bootloader\_update\_x54x-1.1.0-Setup.exe file.
- 4) The following Welcome Window will pop-up. Click Next> button to continue.



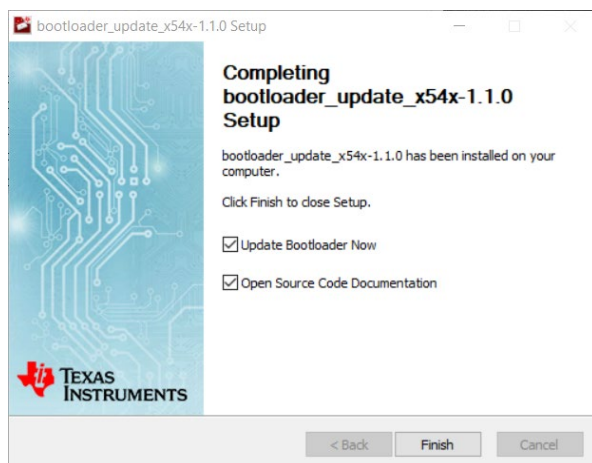
- 5) The License Agreement will pop-up. Click I Agree button to accept and continue.



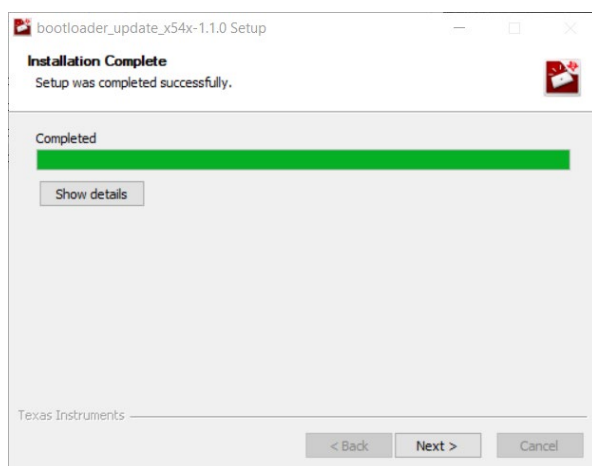
- 6) The Choose Install Location Window will pop-up. Follow instructions to accept default destination folder or select another folder to install the Bootloader Update program on your computer. Click Install to continue.



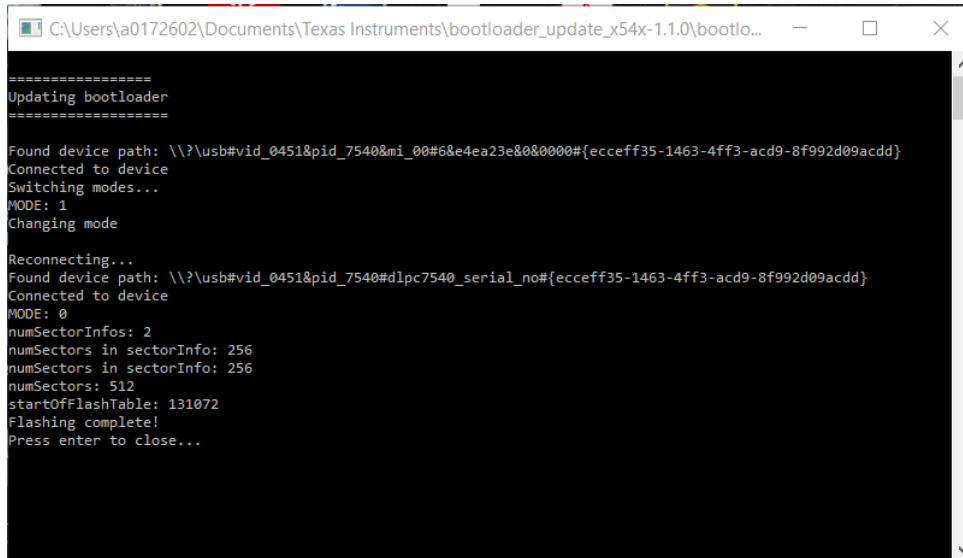
- 7) The Completing Setup Window will pop-up. Leave both check boxes selected and click the Finish button to continue.



- 8) The Installation Complete Window will pop-up indicating the program has been successfully installed on the computer. Click the Next> button to continue.



- 9) The new bootloader firmware will be flashed into the EVM flash memory as shown in the following command window with successful completion.



```

C:\Users\A0172602\Documents\Texas Instruments\bootloader_update_x54x-1.1.0\bootlo...
=====
Updating bootloader
=====
Found device path: \\?\usb#vid_0451&pid_7540&mi_00#6&e4ea23e&0&0000#{ecceff35-1463-4ff3-acd9-8f992d09acdd}
Connected to device
Switching modes...
MODE: 1
Changing mode
Reconnecting...
Found device path: \\?\usb#vid_0451&pid_7540&dlpc7540_serial_no#{ecceff35-1463-4ff3-acd9-8f992d09acdd}
Connected to device
MODE: 0
numSectorInfos: 2
numSectors in sectorInfo: 256
numSectors in sectorInfo: 256
numSectors: 512
startOfFlashTable: 131072
Flashing complete!
Press enter to close...
  
```

- 10) Press <Enter> key to close the command window, which completes the bootloader update.
- 11) Switch SW1 OFF and then back ON to reset the EVM and display splash image again.
- 12) The user must install and use the [DLP417TP EVM Graphical User Interface \(GUI\)](#) program so that the latest Main App Firmware can be installed next. Follow the instructions provided with the new Main App firmware release, or the programming procedures in the [EVM GUI User's Guide](#).

If update fails, contact engineering support through the [DLP Products and MEMS TI E2E™](#) community support forums.