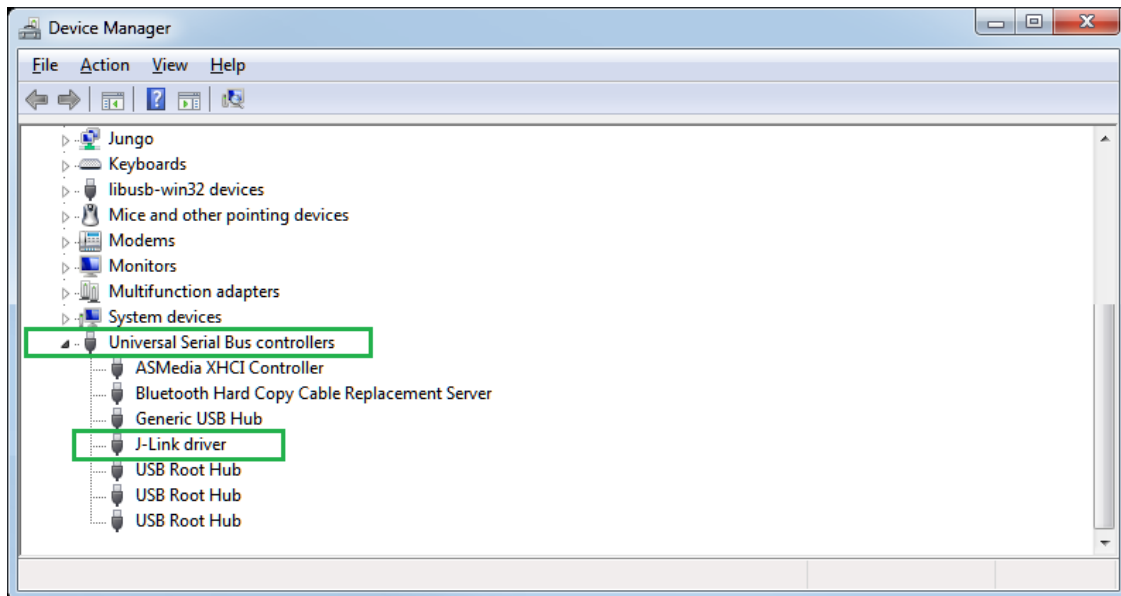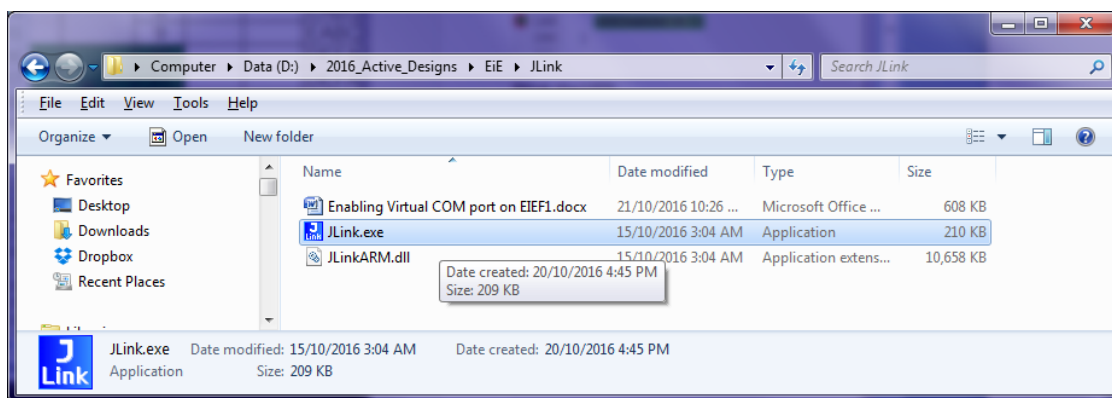EMBEDDED IN EMBEDDED

Enabling Virtual COM port on EIEF1-PCB-01

For correct operation of the J-Link programmer and Virtual COM port driver with the EiE development board version EIEF1-PCB-01, you must have J-Link version 6.10e installed on your computer. This version of J-Link is included in the EiE Software package. Follow the instructions below to correctly install the Virtual COM port functionality.

1. **Plug in the EiE development board to the J-Link USB connector and wait for the J-Link driver to connect.** You know it is connected when you can see "J-Link driver" under "Universal Seral Bus controllers" in Windows Device Manager. The green LED D18 on the development board just below the J-Link processor (U2) will also be on solid (not flashing).
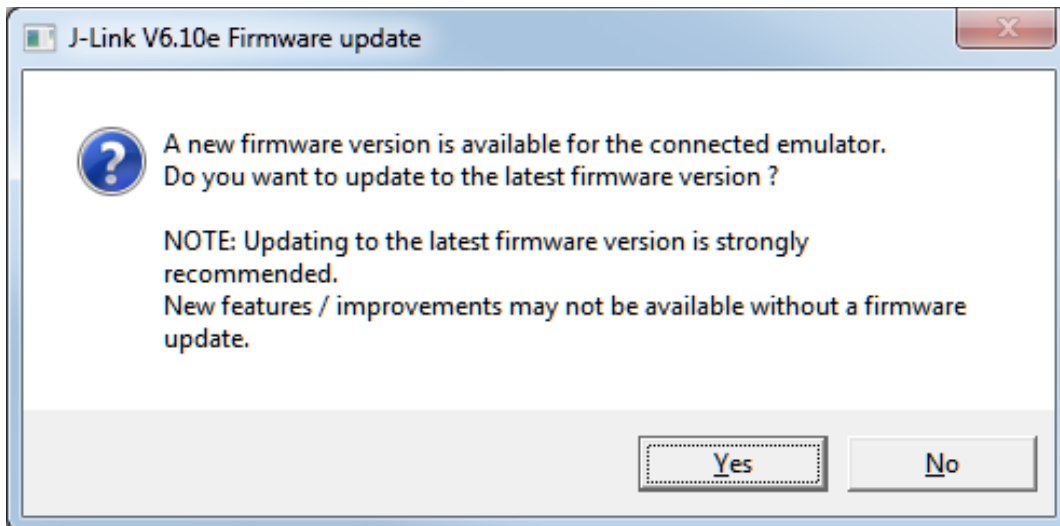

2. **Run JLink.exe (search for "J-Link Commander in Windows if you don't know where it is).** This program can run from any directory if JLinkARM.dll is in the same directory.
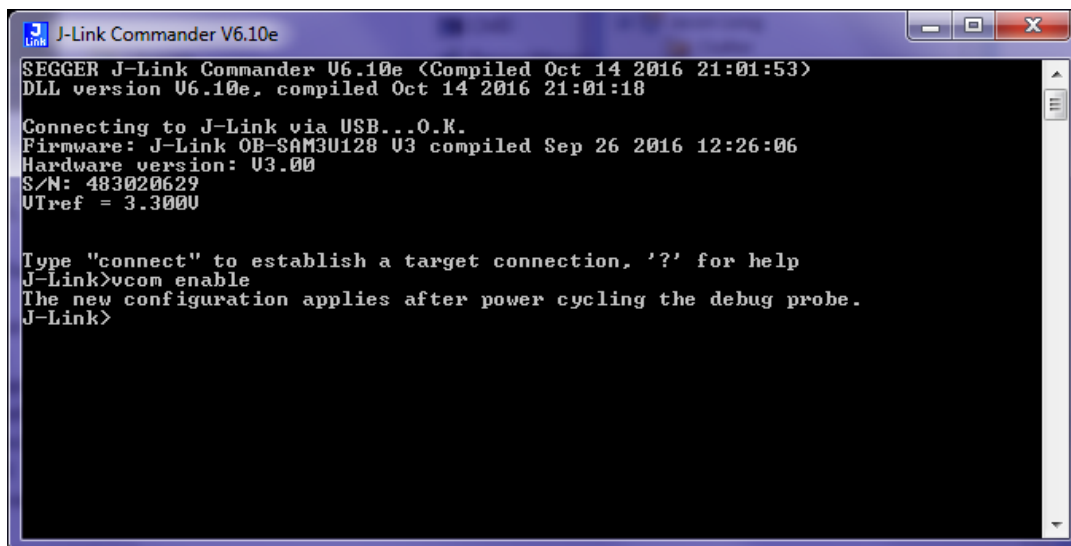
3. **If asked to upgrade firmware on the J-Link processor, click YES.**

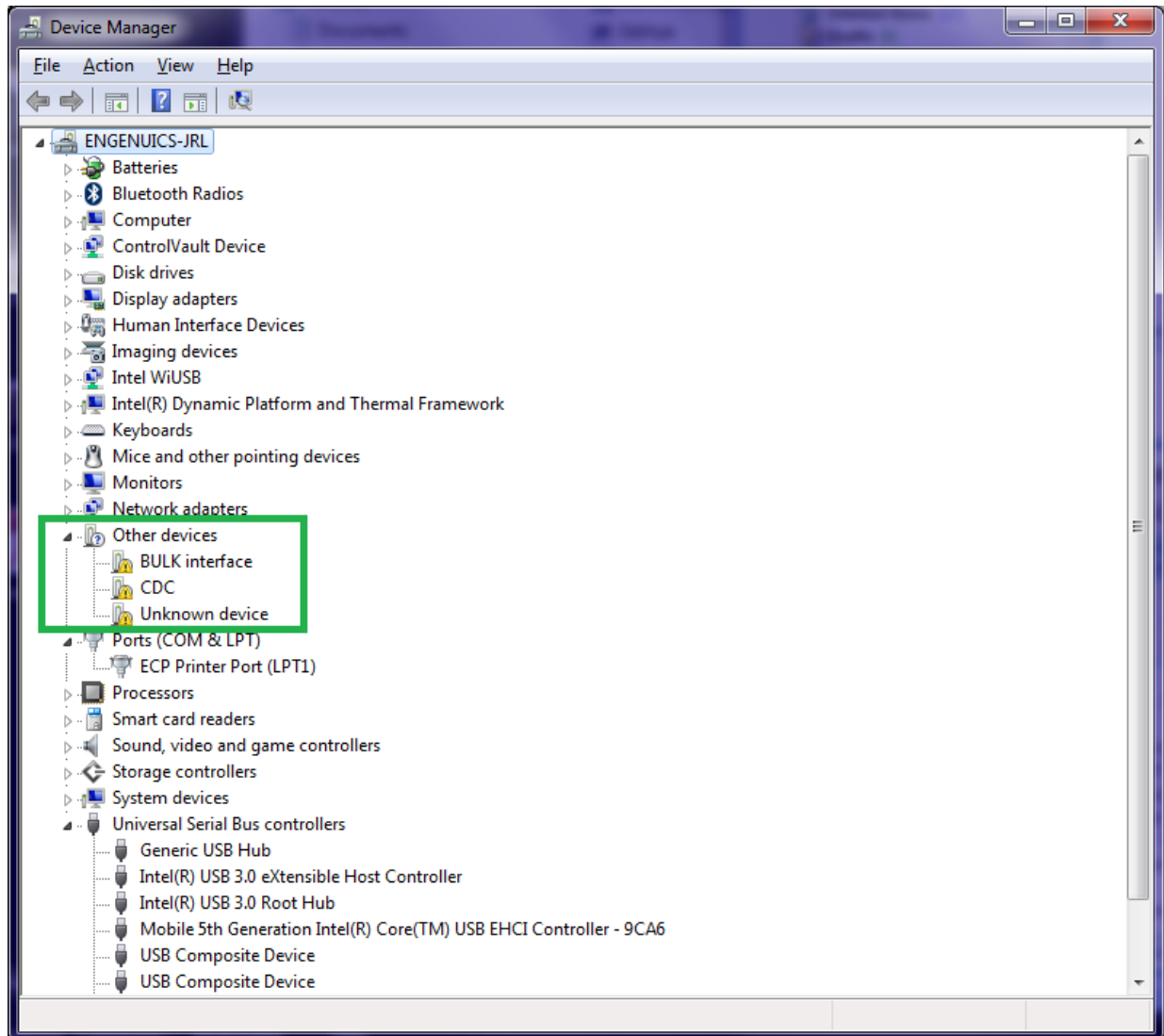4. **At the command line, type "vcom enable" and press enter.**

5. **Confirm you see "The new configuration applies after power cycling the debug probe."**
6. **Close J-Link Commander**
7. **Unplug USB cable.**
8. **Open Windows Device Manager**

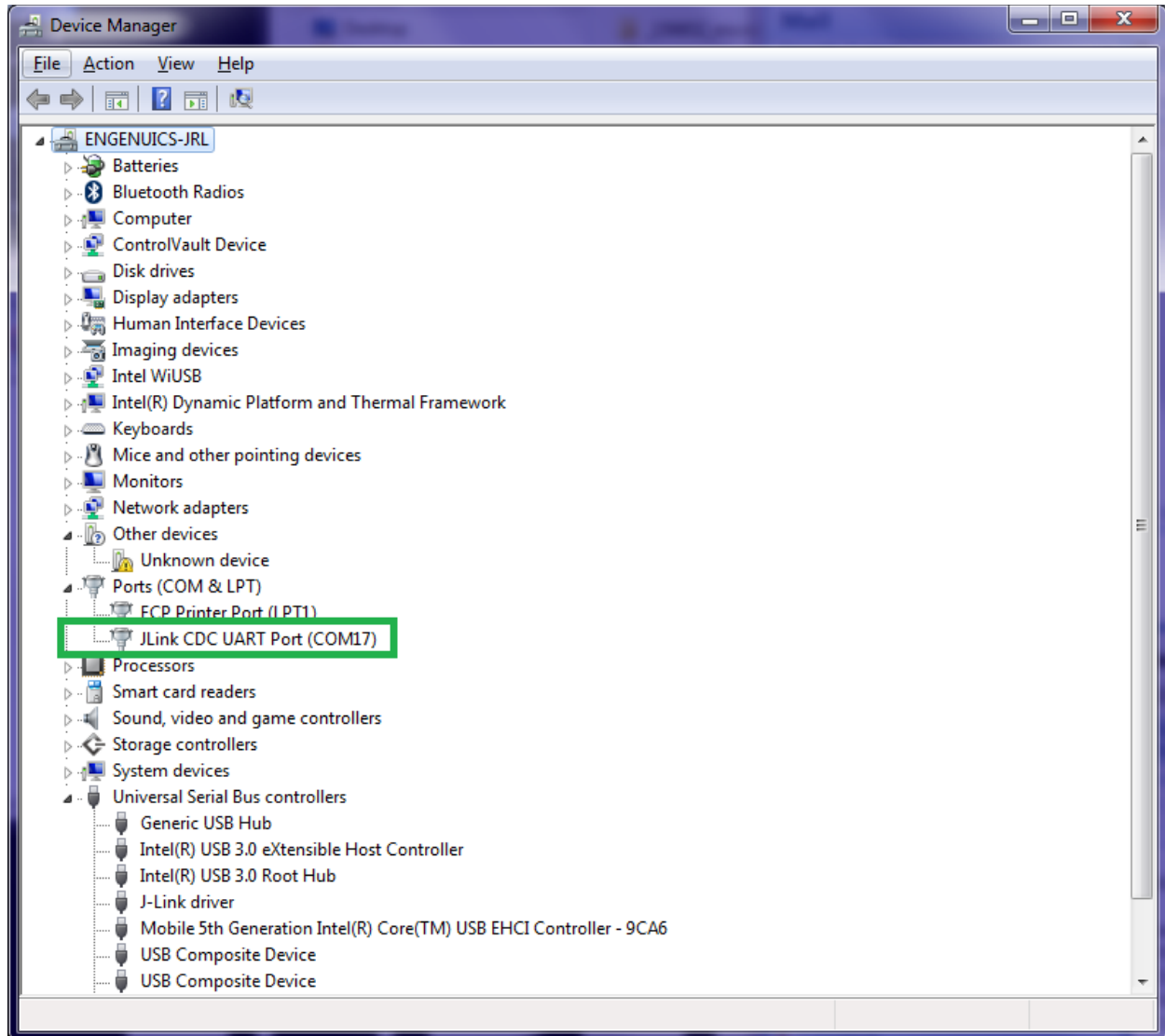9. **Plug USB cable back in. Two new devices will appear:**
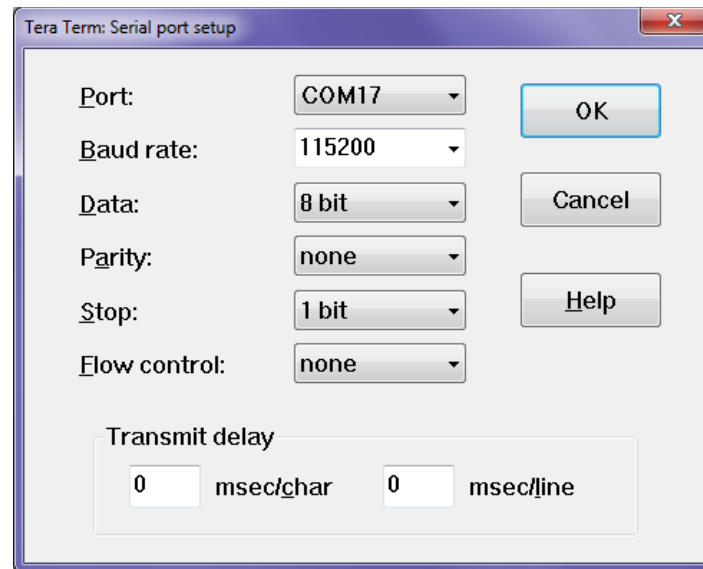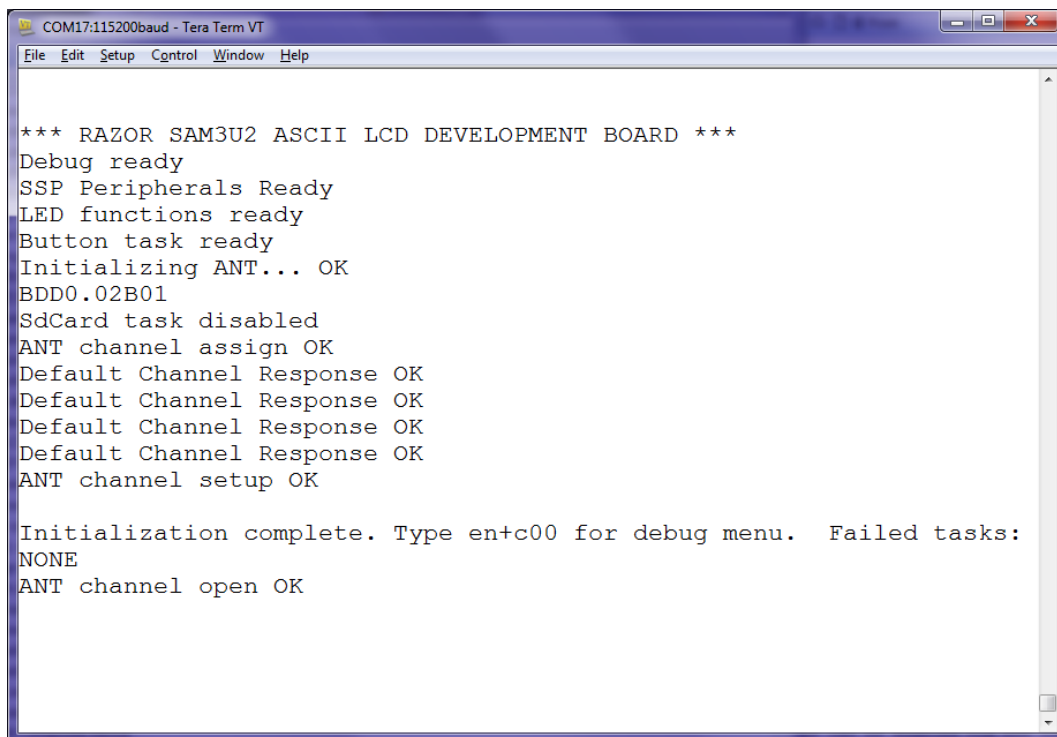   - BULK interface
   - CDC

10. **Wait patiently.** The driver will automatically load. On some computers this happens immediately, on others it can take several minutes. If nothing appears to be happening after 5 minutes, unplug the USB cable and plug it back in.

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When complete, you will see the following:

Look at the COM port number assigned (COM17 in this example). This can be different for every computer, and can also change on your own computer. You need to know this number when connecting the development board in Tera Term.

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11. Open TeraTerm and connect to the new COM port:

12. Press the RESET button on the EiE Development and confirm the boot sequence appears in Tera Term:

The Virtual COM port setup is now complete.