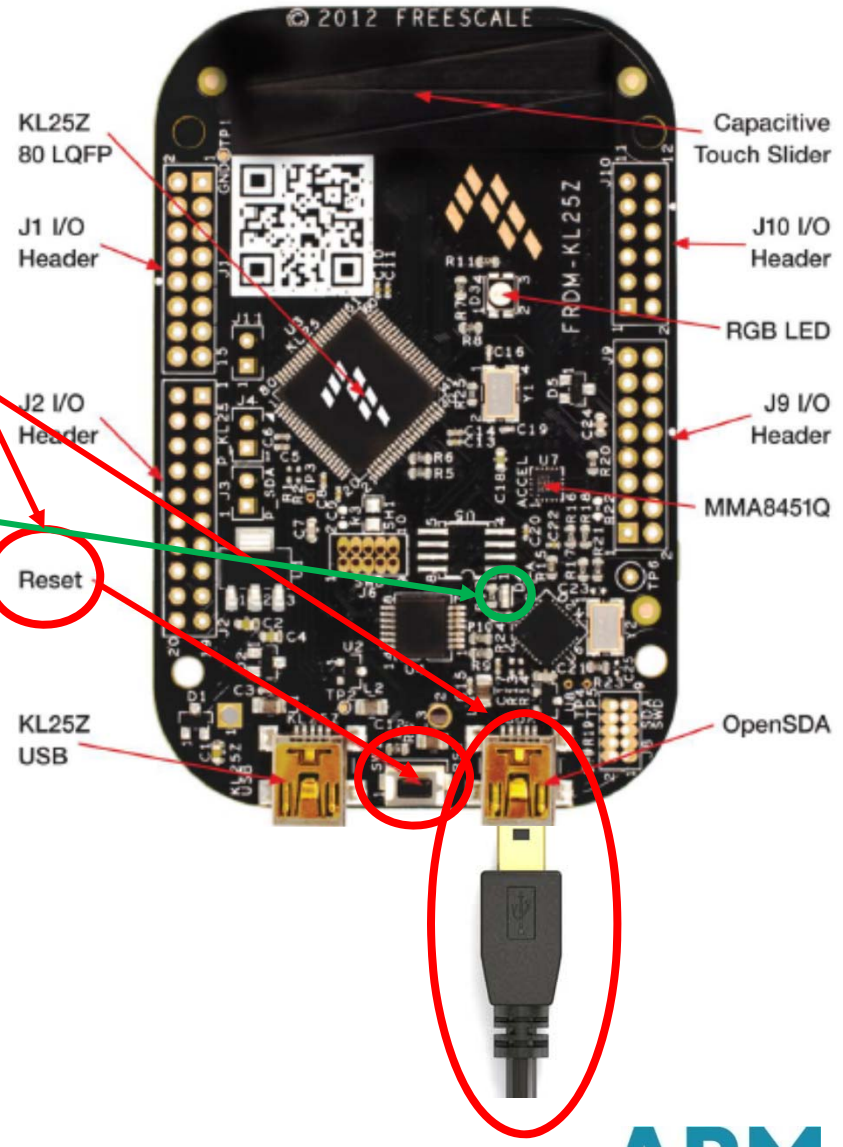
Updating the Bootloader (1)

- Need a Windows 7 machine to reflash the board
- While holding down the KL25Z's reset switch, connect a USB cable between the PC and Freedom board's OpenSDA USB port
  - The Freedom board will be recognized by the PC as removable mass storage device called BOOTLOADER
    - Small green LED will flash at 1 Hz, indicating bootloader mode.
- Release the reset switch
- On the PC in File Explorer, drag the file BOOTUPDATEAPP_Pemicro_v111.SDA (e.g.) to the BOOTLOADER drive
- Unplug and replug the Freedom to trigger reprogramming, which should be fast (under 5 seconds)



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Updating the Bootloader (2)

- Once update is complete, OpenSDA will automatically enumerate in Bootloader mode and green status LED will flash at 1 Hz.

- Verify new version of bootloader by opening the SDA_INFO.HTM file in the root directory of the Bootloader "drive".

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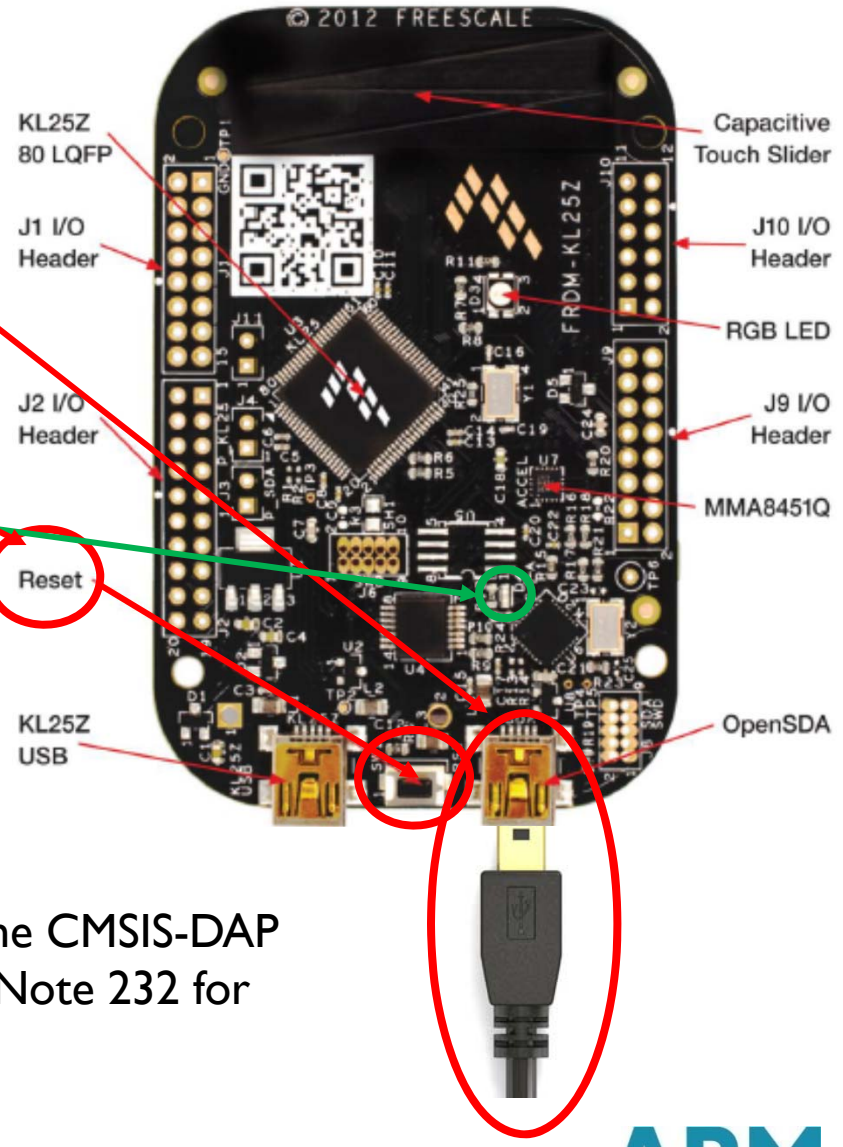
Updating the Debugger Application

- While holding down the KL25Z's reset switch, connect a USB cable between the PC and Freedom board's OpenSDA USB port
  - The Freedom board will be recognized by the PC as removable mass storage device called BOOTLOADER
    - Small green LED will flash at 1 Hz.
- Release the reset switch
- On the PC in File Explorer, drag the file CMSIS-DAP.S19 to BOOTLOADER drive
- Disconnect/reconnect the Freedom board's USB cable.
  - Don't press the reset switch
  - The green light should not be flashing
- Now you can program the Freedom board using the CMSIS-DAP debugger connection in MDK. See step 32 of App. Note 232 for further details.



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