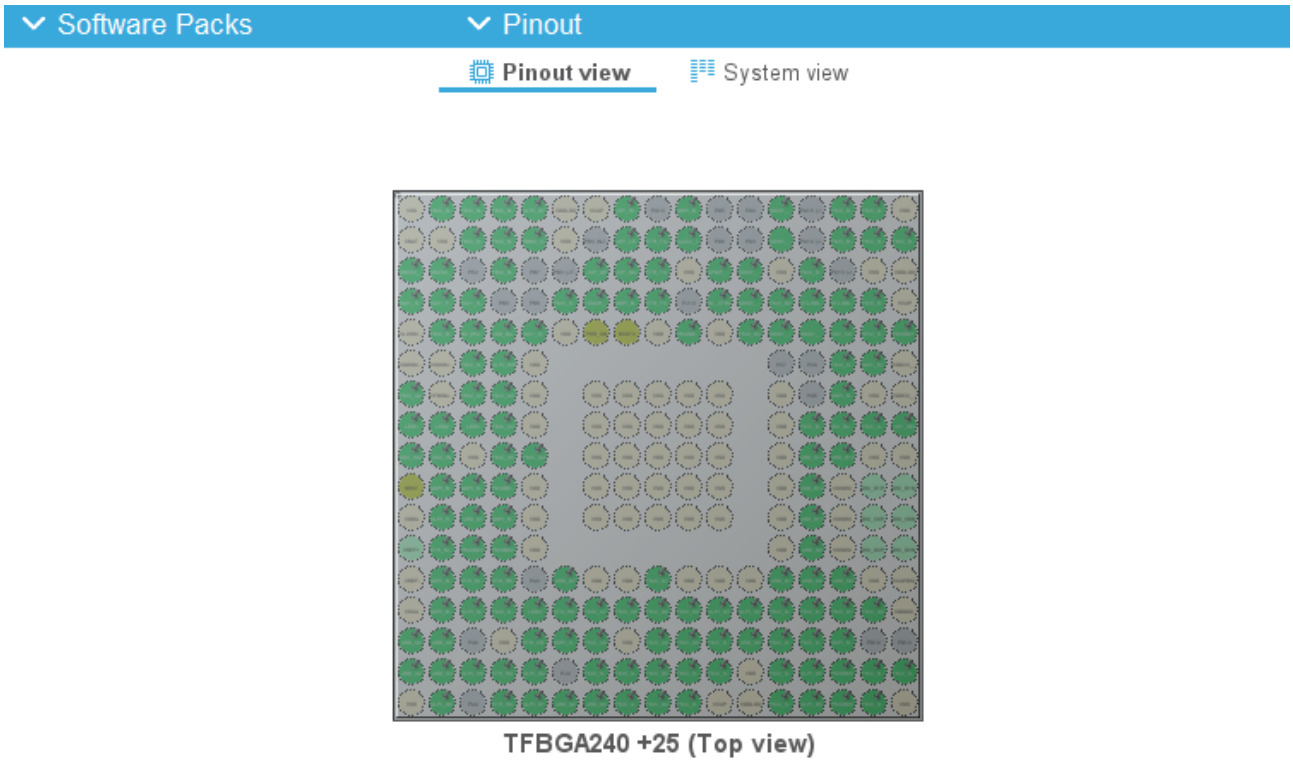
22/10 REPORT

At this moment we are able to start our project since we got all the materials needed to achieve it, we received a package from STMicroelectronics that contains STM32H747I-DISCO Microcontroller and the external camera B-CAMS-OMV that will be integrated with the Microcard. The material was impressive but we didn’t got power cables so we loaned them from school.

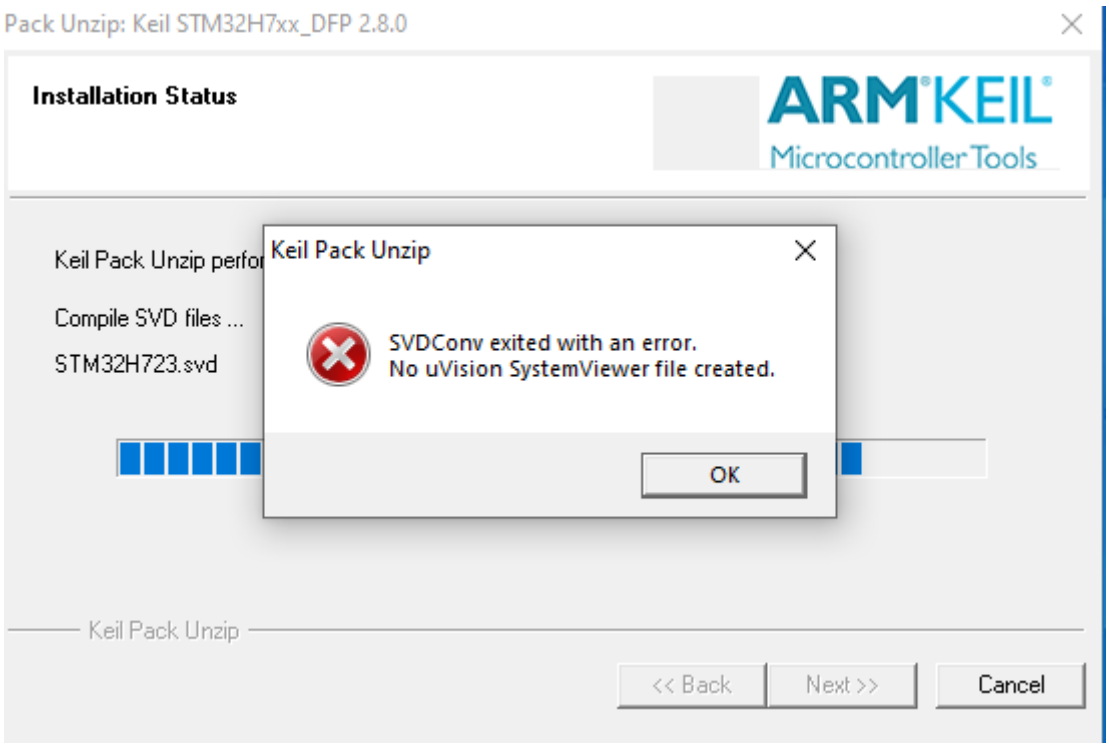
My own objectives for this session was:

- Learn about this card to get to know more on how it works, and to recognize the different parts that is useful for our project. The card contains STLINK-V3E that is integrated on board which is an in circuit debugger and programmer, an audio output that will used to hear the information analyzed by the card, a camera connector to use the external B-CAMS-OMV,MicroSD card connector that we may use to store pictures.

- Connect the card with my computer and get used to manipulate it. My objective was to light up a LED like we already done with NUCLEO STM32F411 on previous sessions, so I started to configure pins after installing the card package on STM32CubeMX.



After That I generated a project that I can configure for my purpose, installing STM32H7x packs on Uvision5 was needed to recognize this card, but unfortunately this installation gives me an error and it doesn't get installed, I spent time trying to solve the problem without any result.



- The 3rd objective I wasn't planning to do it but since I had problems with opening the project I decided to read more on the modulation part of your artificial intelligence course.

CONCLUSION

From this session I realized that we should change our current IDE (the one we are familiar with that we used on ELEC3) since we had problems reading the project generated by STM32CubeMX, so I decided to try STM32CUBEIDE for next sessions