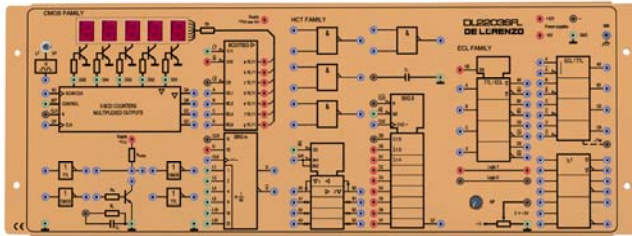




## HCT – ECL – CMOS



**DL 2203SFL**

This board allows the study of the following subjects:

- electrical characteristics of the integrated circuits of the various logic families: ECL, CMOS, HCT
- laws and principles for the assembling of interface circuits among the families
- logic gates
- multiplexed counters
- programmable shift registers
- bidirectional transmission gates
- level translators

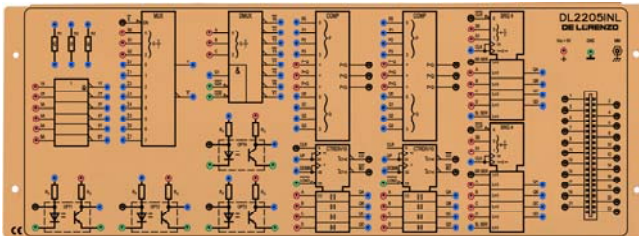
The board is composed of three sections:

- the HCT section
- the ECL section
- the CMOS section

In each section various types of integrated circuits of the three different logic families are assembled.

Power supply: +5Vdc, +12Vdc, -5.2Vdc

## Advanced Sequential Logic



**DL 2205INL**

This board allows the study of the following circuits: counters, frequency dividers, cyclic programmable timers, data transfer between two shift registers.

Furthermore, the board includes interface circuits and a connector to allow for direct and easy interfacing to systems, devices and circuits prepared by the students.

The board is composed of:

- 4-bit comparators (2 off )
- 4-bit BCD counters (2 off )
- 4-bit shift registers (2 off )
- 8-to-1 line multiplexer
- 1-to-8 line demultiplexer
- NOT with open collector output (4 off )
- Optoisolators (4 off )
- a 22-pole connector, step 3.96 mm

Power supply: 5Vdc