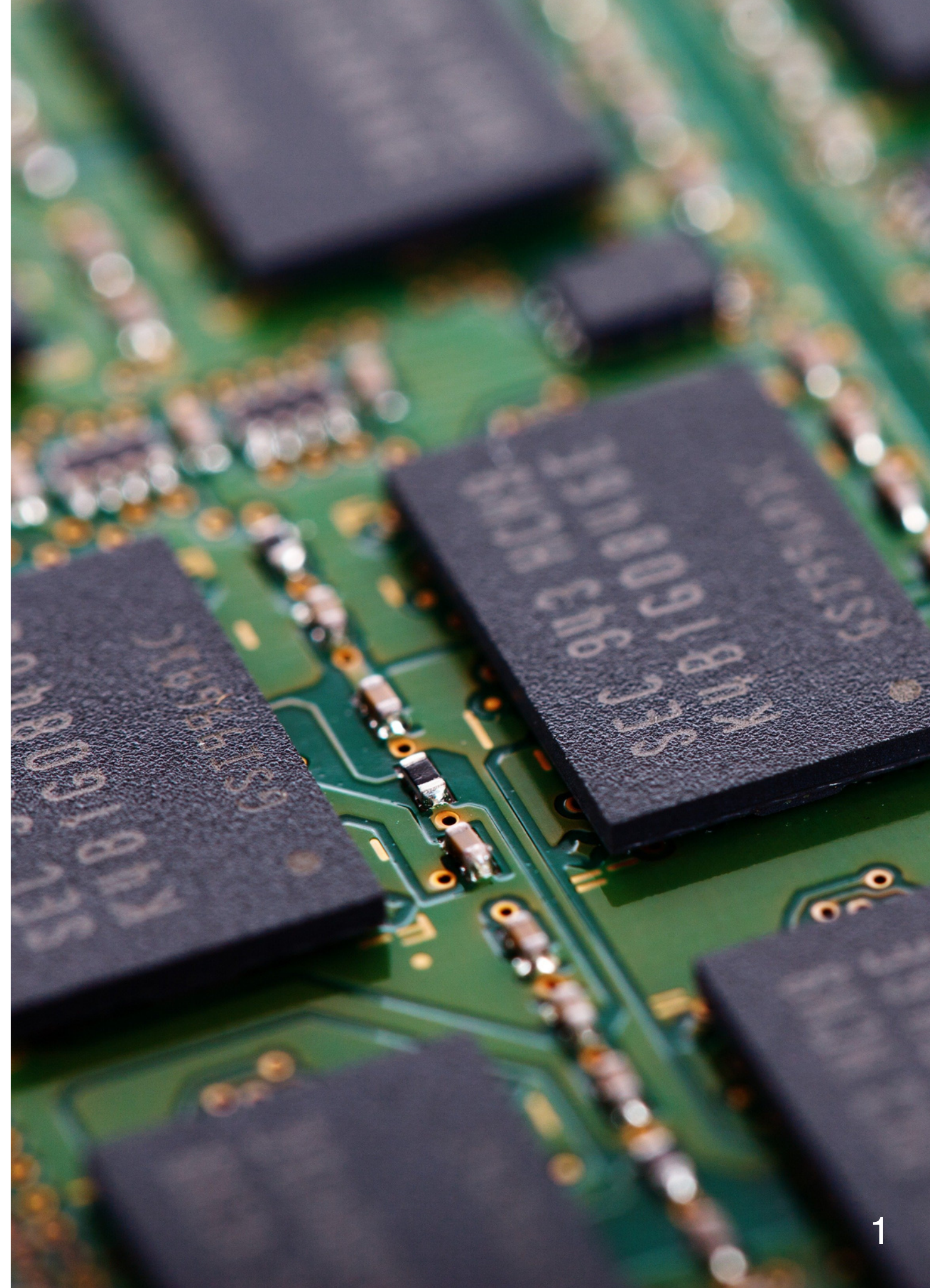
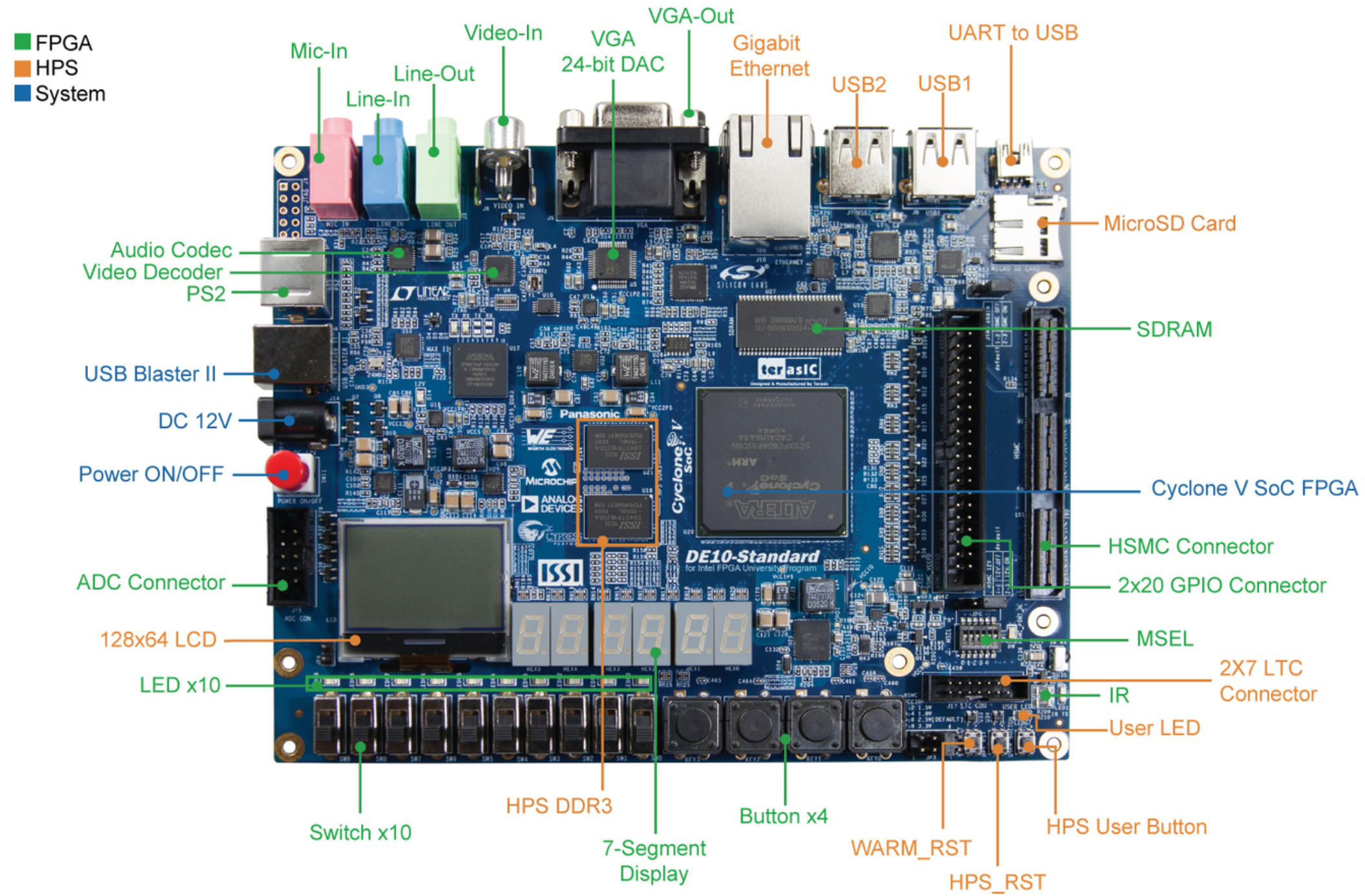


# **DE10 Standard FPGA Peripherals**

## **HSMC Connector**

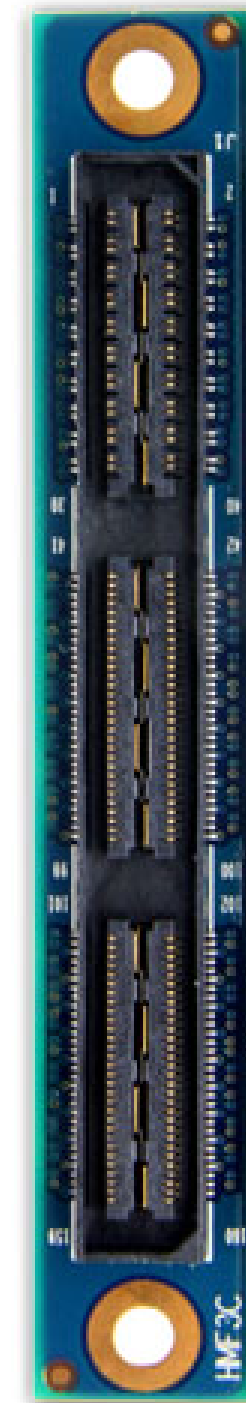






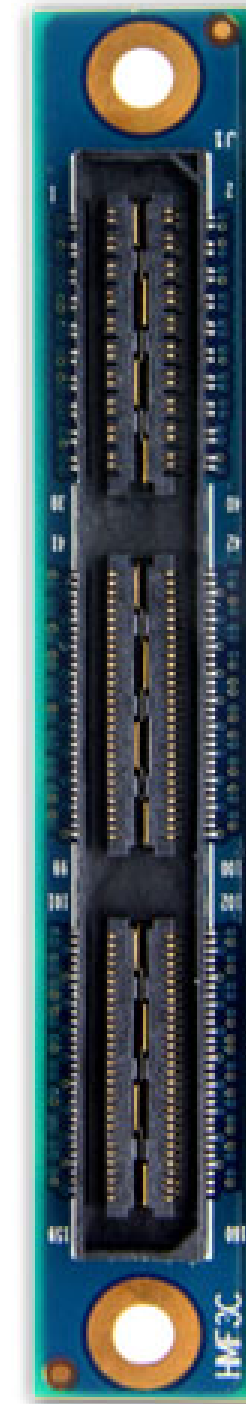
## HSMC: High Speed Mezzanine Card

- Used to extend the peripheral set of the FPGA by adding external modules
- High speed data transfer between DE10 and the external module
- Modules supported:
  - JTAG (mostly to test different interconnects)
  - clock inputs and outputs
  - Serial I/Os
- Configurable I/O standards are 1.5/1.8/2.5/3.3V

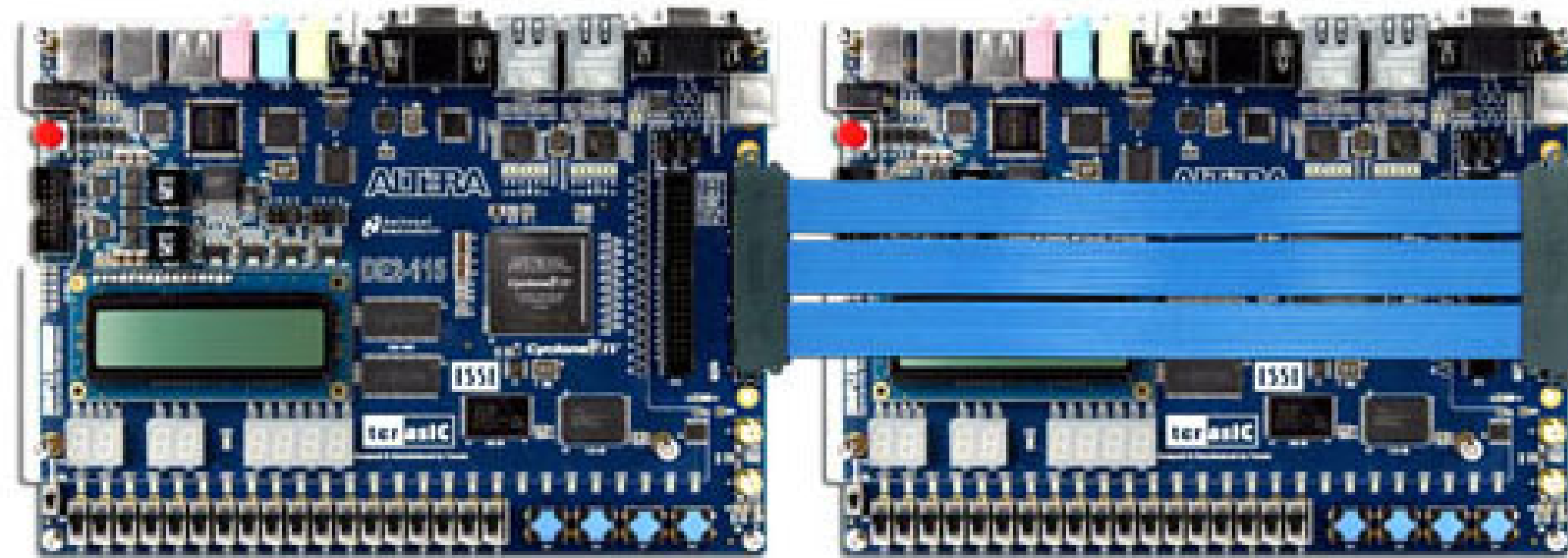


## HSMC Connector vs Other Interfaces:

- Compared to other interfaces, HSMC Connector offers higher data transfer rates, more flexibility and a wider range of protocol support.
- It also has a smaller form factor, making it ideal for designs with limited space



## Example: HSMC Connector Cable



# Thank You!