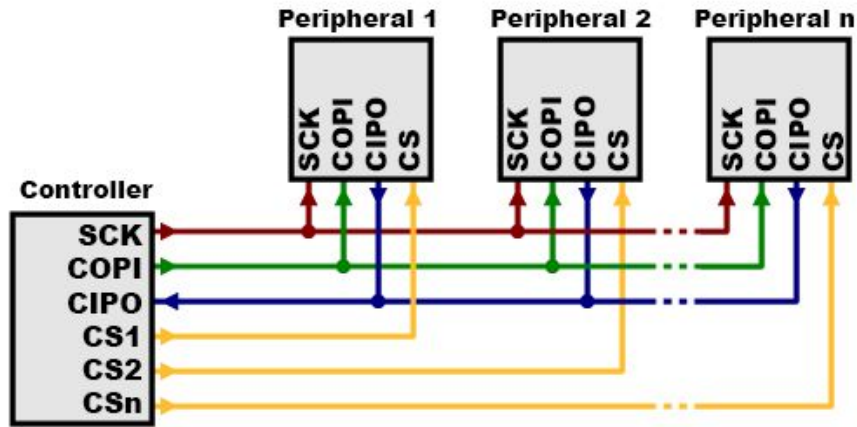
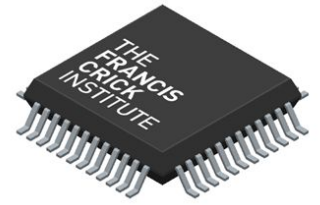


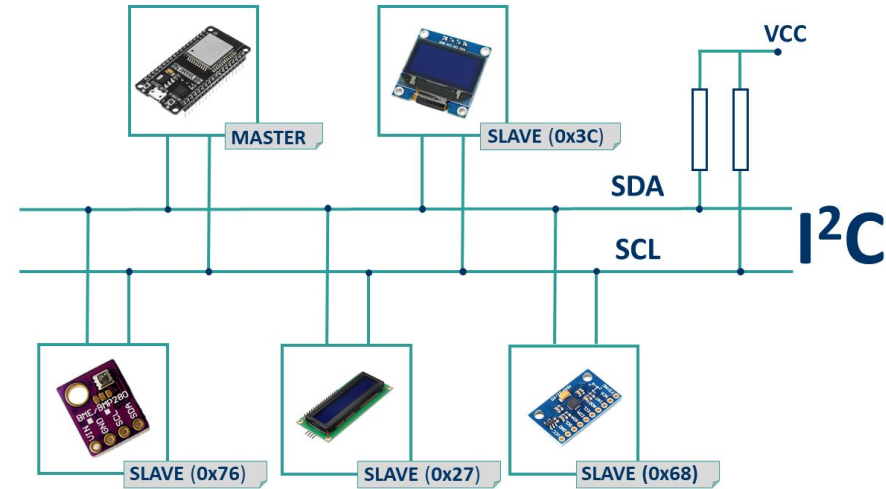
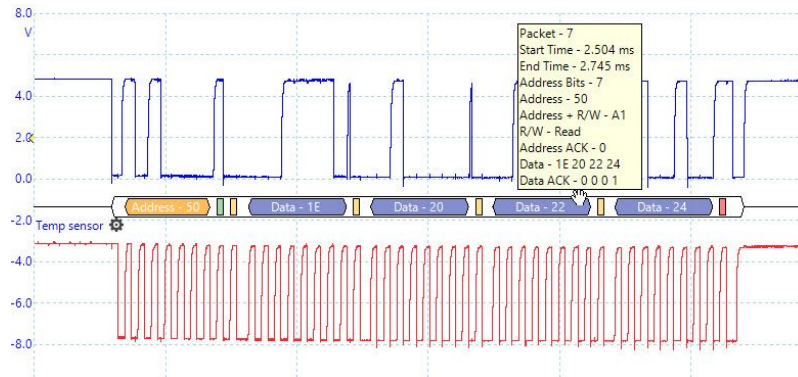
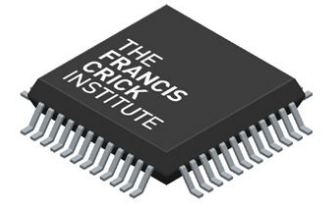
Microcontrollers (2022)

Session 4

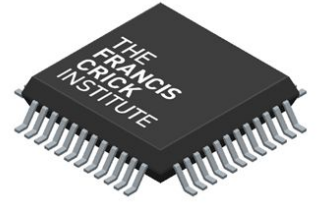
SPI (Serial Peripheral Interface, "Spy")



I²C (Inter-Integrated Circuit, “eye-squared-C”)



I2C Peripherals



DAC

- **MCP4725A0T** 12-Bit Digital-to-Analog Converter with EEPROM Memory

SENSORS

- **SHT4x** 4th Generation, High-Accuracy, Ultra-Low-Power, 16-bit Relative Humidity and Temperature Sensor
- **VL53L0X** Time-of-Flight Ranging Sensor

```
#define I2C_SCL 21 // Clock pin  
#define I2C_SDA 22 // Data pin
```

```
Wire.begin(I2C_SDA, I2C_SCL);
```