Лабораторная работа №4
по дисциплине
«Системы ввода-вывода»
Вариант 2

Выполнили:
Векшин А. И. P3316/СВВ 1.2
Дашкевич Е.В. P3308/СВВ 1.2
Степутенко И.С. P3312/СВВ 1.2
Преподаватель:
Сергей Михайлович Табунщик

Введение

Тема: «Изучение работы контроллеров ввода вывода»

Цель: познакомится с принципами работы с контроллерами ввода вывода на примере контроллера UART.

Код программы

Код микроконтроллера

https://github.com/ArsenyVekshin/ITMO/tree/master/IOSystems/lab3/mcu.ino

Код ответной программы

https://github.com/ArsenyVekshin/ITMO/tree/master/IOSystems/lab3/pc.py

Скриншоты работы

```
Received data (string): Temperature =
Received data (string): 25.65
Received data (string):  *C

Received data (string): Pressure =
Received data (string): 101750.27
Received data (string):  Pa

Received data (string): Temperature =
Received data (string): 25.64
Received data (string):  *C

Received data (string): Pressure =
Received data (string): 101750.05
Received data (string):  Pa

Received data (string): Temperature =
Received data (string): 25.64
Received data (string):  *C

Received data (string): Pressure =
Received data (string): 101750.17
Received data (string):  Pa

Received data (string): Temperature =
Received data (string): 25.64
Received data (string):  *C

Received data (string): Pressure =
Received data (string): 101749.80
Received data (string):  Pa

Received data (string): Temperature =
Received data (string): 25.63
Received data (string):  *C

Received data (string): Pressure =
Received data (string): 101749.77
Received data (string):  Pa

Received data (string): Temperature =
Received data (string): 25.63
Received data (string):  *C

Received data (string): Pressure =
Received data (string): 101749.57
Received data (string):  Pa

Received data (string): Temperature =
Received data (string): 25.63
Received data (string):  *C

Received data (string): Pressure =
```
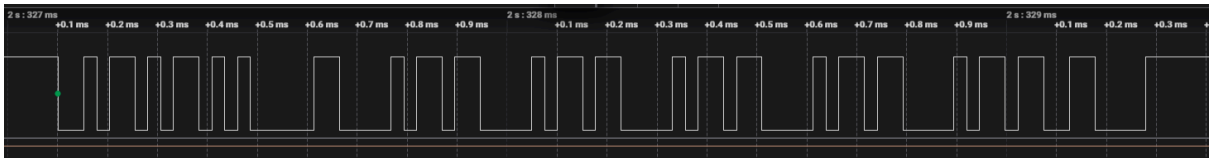
Временные диаграммы

PC -> MC

MC -> PC