**LED Matrix**

ATmega1284P

PINA 0-7

PINB 0-7

PINC 0-7

**BUTTONS**

ATmega1284P

PIND 2-7

**USART**

ATmega 1284P ATmega1284

RXD0 PD0

TXD0 PD1

**LCD DISPLAY**

ATmega1284

PINB 0-7