

SPECIFICATIONS

- **Board Clock:** 100 MHz
- **Servo Specs:**
 - Operating Voltage: 5V
 - PWM Signals: 3.3V
 - Off State: Pulse Width 600 microseconds
 - On State: Pulse Width 2185 microseconds
- **UART:**
 - Mode: Receive
 - Data: 8 bits
 - Start bit: 1
 - Stop bit: 1
 - Baud Rate: 19200
- **Gated Clock** (To switch between memory and execution modes):
 - Negative Latch (100MHz)
 - AND gate
- **Program Counter:**
 - Fetches instructions at 100MHz
 - 8-bit counter
- **Memory:**
 - Address: 8-bit
 - Locations: 256
 - Asynchronous memory writes
 - Synchronous memory reads
- **Decoder:**
 - 4:16
- **Delay Counter:**
 - 100 MHz
 - Delay unit: milliseconds to days