USB Audio Interface  
Documentation  
Microcontroller Module

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# Circuit development

## Power supply

### Conditions

The IO ports oft the XMOS microcontroller run at 3.3 volts. All remaining logic circuitry will be designed to operate at the same voltage. The overall current drain from the 3.3V supply will not exceed 50mA. The microcontroller cores operate at one volt and all together drain current up to 700mA[[1]](#footnote-1).

# Sources

## Datasheets

XMOS Datasheet (XU216-512-TQ128):

<https://www.xmos.com/support/silicon/datasheets?product=19424&component=18093>

1. See datasheet page 28 [↑](#footnote-ref-1)