

Addition

user manual

Revision 1.0



Overview

Addition is an S/PDIF module designed for A10-Cubieboard and A20-Cubieboard. It is easily installed within seconds.

Power Requirements

No external power supply is needed when used and attached with Cubieboard.

Configuration

No configuration is needed except a running Cubieboard with installed and active S/PDIF drivers.

Technical details

Output RCA 75 Ω 44.1 kHz up to 192 kHz

Output TOSLINK 650 nm 44.1 kHz up to 192 kHz

Inputs

Cubieboard input

Outputs

S/PDIF RCA

S/PDIF TOSLINK

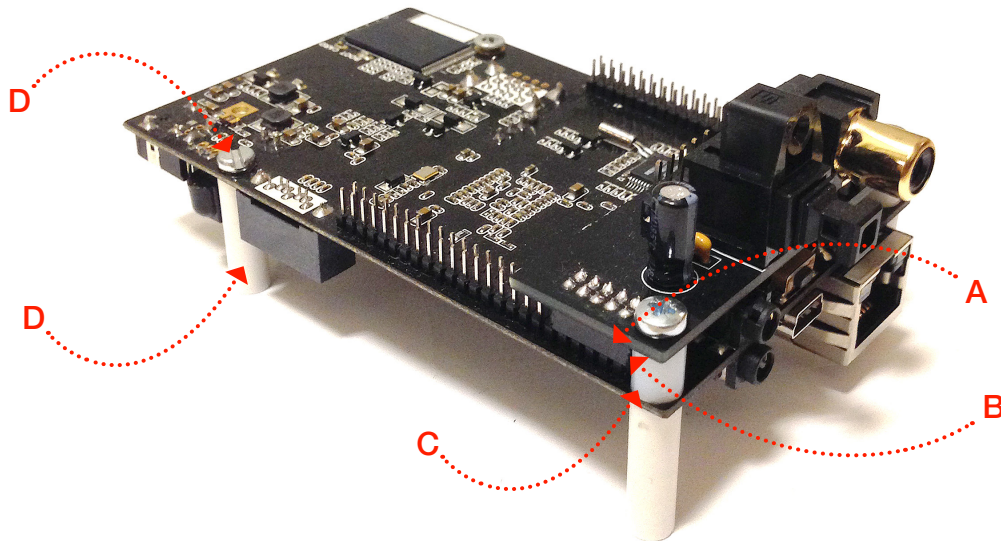
UART TX (header CON_1)



Installation with Cubieboard

Addition is easy installed within seconds if you follow this guide.

- A** Attach the Addition female header to Cubieboard male header.
- B** Make sure it is attached all the way to the right (i.e. at the end of the Cubieboard header). Otherwise Addition module will not work and the screw installation later on will not fit.
- C** Insert the short spacers between Addition and Cubieboard.
- D** Insert the screws through Addition-Spacers-Cubieboard and screw into the tall M3 spacer.



PCB Layout

Overview of Addition PCB layout.

- A** S/PDIF RCA
- B** S/PDIF TOSLINK
- C** CON_1
- D** Cubieboard header

 **CON_1**

Pin 1	GROUND
Pin 2	NC
Pin 3	NC
Pin 4	CS/UART5-TX
Pin 5	5VDC