

The Audio add-on board P/N 416940020-3 design for connection with DV controllers on the audio connector CN7. It provides audio input ports and output port for sound amplification.

**The Audio add-on board P/N 416940020-3 can operate under 12VDC power input environment only.**



**Electrical Specification :**

Supply Voltage : +12V, +5V  
 Supply current 35mA for +12V, 6mA for +5V

Input impedance 6.8kohm  
 Output power : 2.0W for 4ohm load  
                   1.0W for 8ohm load

Distortion : <2%  
 Voltage gain : 0 to 21 dB

**Use of connectors :**

Connector	Connector type
CN1	JST B3B-XH-A
CN2	JST B4B-PH-K
CN3	0.1 inches 2 row x 5 pin header strips (right angle)
J1	Ø3.5mm stereo jack socket
J2	Ø3.5mm stereo jack socket

**Pin Assignments :**

**CN1: Output alternate connector**

Pin Number	Description
1	Speaker out left
2	Ground
3	Speaker out right

**CN2: Input alternate connector**

Pin Number	Description
1	Ground
2	Audio input left
3	Ground
4	Audio input right

**CN3 : Controller interface connector**

Pin Number	Description
1	+5V
2	Left trimpot chip select
3	Right trimpot chip select
4	Trimpot serial data
5	Trimpot serial clock
6	Digital Ground
7	+12V
8	Audio input left
9	Audio input right
10	Audio Ground

**Mechanical Drawing :**

