

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 :

