

UcD102 OEM evaluation board

Introduction

This OEM Connector conversion board is specifically designed to allow for easy evaluation of the UcD102 OEM module.

The amplifier module can be switched on or off using the on-board Amp Enable switch.

It features 4-pin MOLEX® Micro-fit 3.0™ series connectors for audio input signals.

Features

- Allows for easy evaluation of the UcD102 OEM
- Amp Enable switch
- Hypex NCore Signal cable compatible

Connector Pins

Pinout J1, OEM connector

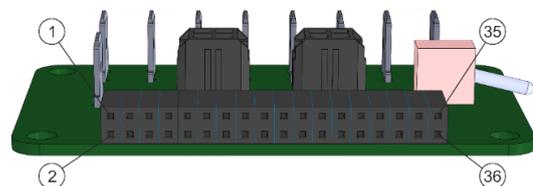
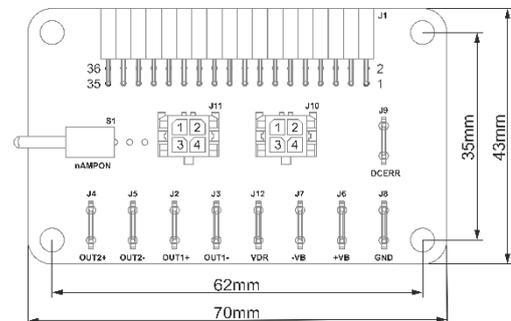
This pin-out is given for convenience only, it should be connected directly to the UcD102 OEM module.

Pin	Function
1, 2	Loudspeaker 1 connection (hot)
3, 4	Loudspeaker 1 connection (cold)
5,15,16,22,32	Ground
6	INC: inverting audio input 1
7	INH: non-inverting audio input 1
8,9,10,11,12,13,14	Not connected
17,18	Positive power supply
19,20	Negative power supply
21	External Vdr supply.
23,24,25,26	Not connected
27	nAMPON input (active low)
28	DC Error output
29	Not connected
30	INH: non-inverting audio input 2
31	INC: inverting audio input 2
33,34	Loudspeaker 2 connection (cold)
35,36	Loudspeaker 2 connection (hot)

Audio input 1, J10

Pin	Function
1	INH: noninverting audio input 1
2	INC: inverting audio input 1
3	Not connected
4	Ground

Connector type: 2x2 pin Microfit header type 43045-0412 (see www.molex.com), Matching cable part 43025-0400.



Audio input 2, J11

Pin	Function
1	INH: noninverting audio input 2
2	INC: inverting audio input 2
3	Not connected
4	Ground

Connector type: 2x2 pin Microfit header type 43045-0412 (see www.molex.com), Matching cable part 43025-0400.

Supply connectors and speaker output

Faston	Function
OUT2+	Loudspeaker connection 2 (hot)
OUT2-	Loudspeaker connection 2 (cold)
OUT1+	Loudspeaker connection 1 (hot)
OUT1-	Loudspeaker connection 1 (cold)
VDR	External Vdr supply. Connect to Ground if not used.
-VB	Negative power supply
+VB	Positive power supply
GND	Ground
DCERR	DC error output

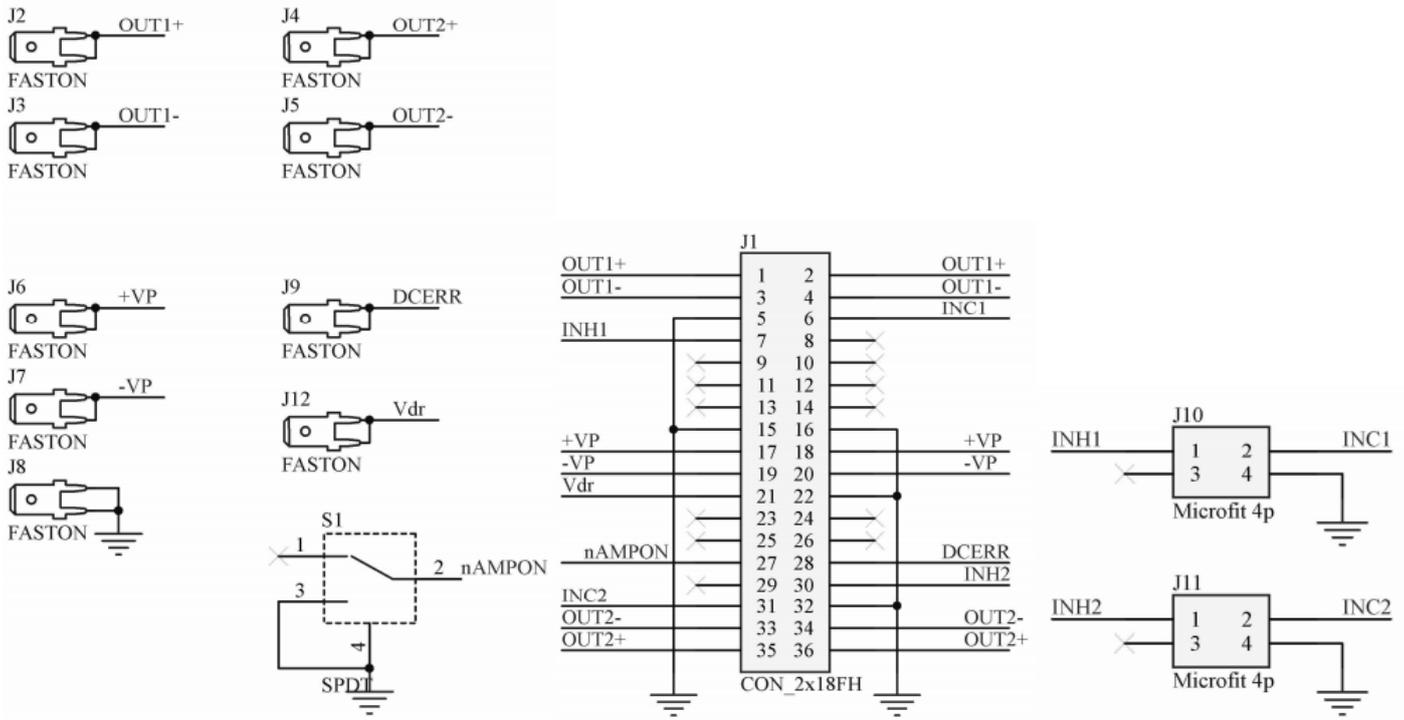
Faston Terminal, 6.35mm x 0.81m, Brass.

Switch S1

nAMPON control, use S1 to switch the amplifier ON or OFF.

For further details regarding specific IOs and performances, please refer to the UcD102 OEM datasheet.

1 Schematic



2 Revisions

Document revision	Module revision	Change log	Date
01	V0.0	Release version	Sep '14
02	V0.1	Revised version	Mar '19

3 Disclaimer

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