JP2

+5V 1 2
+3V3 3 4 DIN
5 6 MCLK
SERIAL_IN_GND 7 8 BCLK
SERIAL_OUT 9 10 LRCLK
SERIAL_IN_+ 11 12 SCL
EURO_L 13 14 SDA
EURO_R 15 16
+12V

GND

-12V

JP1
1
2
3
4

EURO_L L
P$1
P$2
P$3

GND

SERIAL_IN_GND MIDI_IN
SERIAL_IN_+ L
R

47
R4
SERIAL_OUT MIDI_OUT
L
R
+3V3
47
R3

EURO_R R
P$1
P$2
P$3

GND

AUDIO_LEFT LINE
AUDIO_RIGHT L
R

GND

+3V3   +3V3

IC1
PCM5100APWR

C3 0.1uF   C4 10uF

GND

1 CPVDD   DVDD 20
2 CAPP   DGND 19
3 CPGND   LDOO 18
4 CAPM   XSMT 17
5 VNEG   FMT   16
6 OUTL   LRCK 15   LRCLK
7 OUTR   DIN   14   DIN
8 AVDD   BCK   13   BCLK
9 AGND   SCK   12   MCLK
10 DEMP   FLT   11

C5 0.1uF   C6 10uF   +3V3

GND

GND GND   GND

C1 2.2uf
C2 2.2uf

GND

AUDIO_LEFT
10
R1

C7 10uF

GND

+3V3

AUDIO_RIGHT
10
R2

C8 10uF

GND

EURO_L   IC2   +12V   EURO_R
TL072HIPWR

10k   180k   8   180k   10k
R6   R5   7   R7   R8
1 1OUT VCC+
GND   2 1IN- 2OUT   6
AUDIO_LEFT 3 1IN+ 2IN-   5   AUDIO_RIGHT
4 VCC- 2IN+
GND

-12V

Motherboard Expander 1.0.4
Ghost In Translation