FAQ / Application Note

Subject : How to connect audio (5.1) 6CH speaker connector to boards with ALC883

FAQ Document No: G10004	**Date: 2010/11/12**
Model Name. ECM-CX700, ECM-GME965, ECM-945GME, ECM-910	**Rev.** A1

Category: ■General ☐H/W ☐S/W ☐Others, 寫小分類

Purpose :

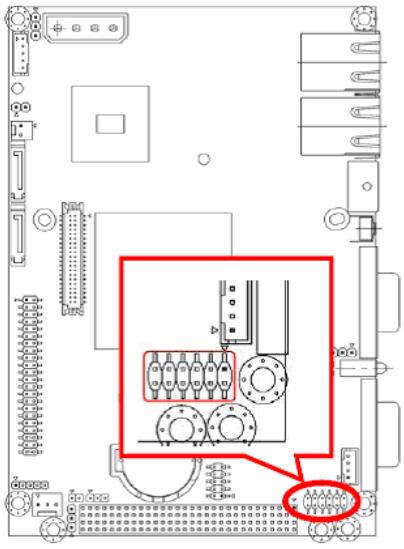
AUX-001 module in package supports two channels audio only.

please find you own connector and refer information below to make cable if you need 4CH or 6CH support.

Analog I/O Pins		2 channels	4 channels	6 channels
Output	Front Output (Lineout L/R)	V	V	V
	Surround Output (surr-out L/R)		V	V
	Center Output			V
	Low Frequency (LFE)Output			V
Input	Line in (L/R)	V	V	V
	Mic in (L/R)	V	V	V
	CD in (L/R)	V	V	V

Audio connector on board (ex: ECM-CX700)

Audio connector (JAUD1)



Signal	PIN	PIN	Signal
LINEOUT_R	1	2	LINEOUT _L
GND	3	4	LFE-OUT
LIN_R	5	6	LIN_L
MIC-IN	7	8	CEN-OUT
SURR-OUT-L	9	10	SURR-OUT-R
SPDIF OUT	11	12	GND

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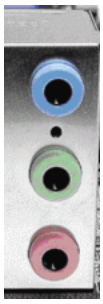
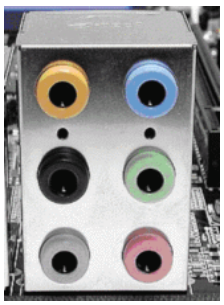
Driver setting in OS (Windows XP/XPe)

Reference:

HD audio connectors:

Spec	Connector	Description
AC'97 Audio		Standard AC'97 only support Front Output (Green)、Line in (Blue)、Mic in (Pink)。 If you use 5.1ch codec, Lin in will be switched to Surround Output, Mic in will be switched to Center/Low Frequency Output.
HD Audio		Front Output(Green)、Surround Output(Black)、Side Output (gray)、Center/Low Frequency Output (Orange)、Line in (Blue)、Mic in (Pink).

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