

Test Procedure for the LV4904VGEVB Evaluation Board



SANYO Semiconductors

An ON Semiconductor Company

Start-up / Shut-down

1. Connect cables of Power supplies, Audio inputs, I2C bus (as needed) and audio outputs. If I2C bus will not be used, short SDA and SCL to GND by using jumpers.

(Caution)

LV4904 can receive 5V signals only after power supplies are turned on. If 5V signals are input before the power supplies are turned on, LV4904V is likely to break. Therefore, 5V signals are needed to be turned on after power supplies are turned on.

If 5V signals are unavoidably active before the power supplies are turned on, those signals have to be connected after the power supplies are turned on.

2. System enable switch should be turned low.

3. Turn on the power supply (3.3V), and then turn on the power supply (8 to 20V).

(It is better to turn on the power supplies while system reset switch is pressed, in order to minimize the possibility to generate pop noise.)

4. Set the DIP switches or transmit I2C commands in order to be suitable for the format of the input data. Refer to the datasheet for the details of I2C commands.

5. Adjust the volume switches.

6. Turn high the system enable and mute switches to enable the system and audio outputs.

Shut-down

7. Turn low the system enable and mute switches to mute audio outputs and disable the system.

8. Turn off the power supply (3.3V), and then turn off the power supply (8-20V).

(Caution)

LV4904 can receive 5V signals only while power supplies are turning on. If the power supplies of LV4904 are turned off while 5V signals are still coming, LV4904V is likely to break. 5V signals have to be disabled before the power supplies of LV4904V are turned off.

