

NOTE2. Option 1 & 2 are exclusive  
Option 1: For HDA front panel only. (Realtek suggested)  
Option 2: For HDA/AC97 front panel.



The image displays three circuit diagrams for S/PDIF-OUT options, each enclosed in a dashed blue border.

- S/PDIF-OUT module option 1: Optical**  
This diagram shows a transmitter circuit. It features a U23 TQTX178 integrated circuit. The VCC pin is connected to +5V, and the GND pin is connected to ground. The S/PDIF-OUT signal is connected to the TX pin. The TX pin is also connected to a 270Ω resistor, which is then connected to the TX pin of a transmitter symbol.
- S/PDIF-OUT module option 2: RCA**  
This diagram shows a receiver circuit. It features a J26 RCA connector. The RCA pin is connected to a 100Ω resistor, which is then connected to the RX pin of a receiver symbol. The RX pin is also connected to a 220Ω resistor, which is then connected to ground. The S/PDIF-OUT signal is connected to the RX pin. The RX pin is also connected to a 270Ω resistor, which is then connected to the RX pin of a receiver symbol.
- S/PDIF option 3: Optical & RCA**  
This diagram shows a combined transmitter and receiver circuit. It features a U24 TQTX178 integrated circuit. The VCC pin is connected to +5V, and the GND pin is connected to ground. The S/PDIF-OUT signal is connected to the TX pin. The TX pin is also connected to a 270Ω resistor, which is then connected to the TX pin of a transmitter symbol. The RX pin is connected to a 100Ω resistor, which is then connected to the RX pin of a receiver symbol. The RX pin is also connected to a 220Ω resistor, which is then connected to ground.

|                              |                                              |       |        |
|------------------------------|----------------------------------------------|-------|--------|
| Realtek Semiconductor, Corp. |                                              |       |        |
| Title                        |                                              |       |        |
| ALC662 Demo Circuit          |                                              |       |        |
| Size                         | Document Number                              |       | Rev    |
|                              | Desktop Configuration ( 3 / 5 + 2 Solution ) |       | 0.57   |
| Date:                        | Friday, May 02, 2008                         | Sheet | 1 of 2 |

