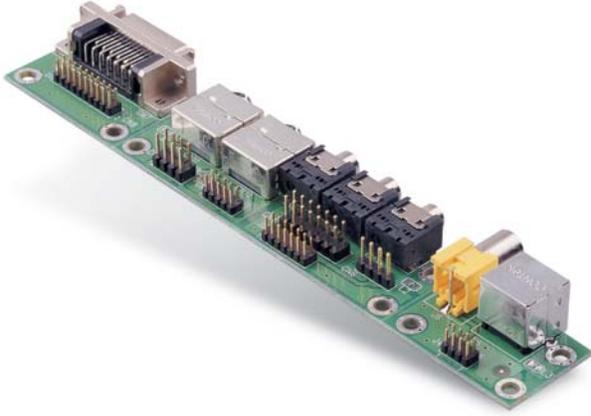


PCM-3532

Daughter Board for Gene Series



Features

- LINE_IN External Jack
- MIC_IN External Jack
- LINE_OUT External Jack
- CD_IN Connectors
- LVDS 26-pin External Connector
- Two USB External Connectors
- S-Video Connector
- RCA External Jack

PCM-3524

LVDS Transmitter/Receiver Module

Introduction

The PCM-3524 is used for extending the transmission distance between the CPU board and the LCD.

What included are as following:

1. LVDS module (transmitter)
2. LVDS module (receiver)
3. 50 pin flat cable (from transmitter to CPU Board)
4. 3 meter LVDS cable (standard length) miscellaneous mounting hardware

Features

- Supports TFT LCD only
- 20 to 65MHz shift clock supported
- Transmitter strobe (falling edge or rising edge)
- Single power supply (3.3V or 5V)
- Chipset (Tx + Rx) power consumption < 500mW (Typical)
- Power-down mode (< 1.0mW total)
- Single pixel per clock XGA (1024 x 768) ready
- Supports VGA, SVGA, XGA and higher address ability
- Up to 340 Mbytes/sec. bandwidth
- Up to 2.6 Gbps throughput
- 290mV swing LVDS devices for low EMI
- Falling edge data strobe Receiver
- Compatible with TIA/EIA-644 LVDS standard
- ESD rating > 7kV

Notes:

1. The length of usable LVDS cable is dependent on the LCD. In other words, with the many LCDs available on the market and their respective specifications, this unit may not operate with all of them. You are strongly suggested to contact AAEON for help to check if this unit goes with your LCD panels.
2. The standard LVDS cable is 3 meters, for length other than 3 meters a minimal order is required

