



MAX96701COAXEVKIT

Evaluation Kit for the MAX96701 with Coax or STP Cable

Description

The MAX96701 coax evaluation kit (EV kit) provides a proven design to evaluate the MAX96701 high-bandwidth gigabit multimedia serial link (GMSL) serializer with spread spectrum and full-duplex control channel, through the use of a standard FAKRA coax or STP cable. The EV kit also includes Windows Vista®- and Windows® 7-compatible software that provides a simple graphical user interface (GUI) for exercising features of the device.

For complete GMSL evaluation using a standard FAKRA coax cable, order the MAX96701 EV kit and a companion deserializer board (the MAX96700 EV kit is referenced in this document). For testing with STP cable, also order the MAXCOAX2STP-HSD adapter kit and refer to its data sheet. Only one adapter kit is required per link (connecting the serializer and deserializer boards).

Note: In the following sections, MAX96701 and the term “serializer” refer to the MAX96701 IC and MAX96700 and the term “deserializer” refer to the MAX96700 IC.

Note: This document applies to both coax and STP EV kits. This document covers coax cable links, but the information provided applies equally to STP cable links.

Key Features

- Accepts 14-Bit Parallel Input Data and Outputs GMSL Serial Data through FAKRA Connectors
- Power-over-Coax Capable
- Windows Vista- and Windows 7-Compatible Software
- USB-Controlled Interface (Cable Included)
- USB Powered
- Proven PCB Layout
- Fully Assembled and Tested

Applications/Uses

- Automotive Camera Applications