TC5747EVM

TC5747 CMOS Imager Evaluation Module Kit

Overview

The TC5747 Evaluation Module (EVM) kit consists of hardware, software and documentation for:
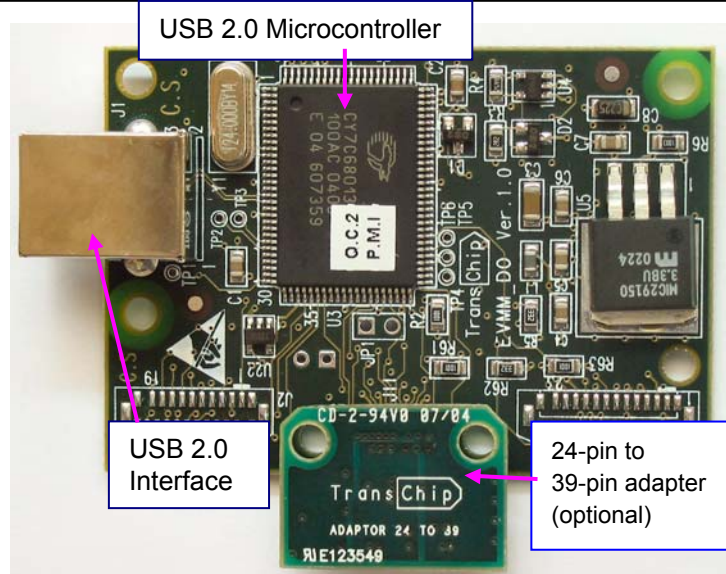
- Evaluation of the TC5747 imager for performance and quality
- Quick integration of the imager into the target system

USB 2.0 Microcontroller

USB 2.0 Interface

24-pin to 39-pin adapter (optional)

Kit Contents

- USB 2.0 EVM board with TC5747 image sensor
- USB 2.0 cable
- USB 2.0 add-on PCI card for desktop or PCMCIA CardBus for laptop
- Software: PC driver and application
- Documentation as follows:
  - ✓ TC5747 data sheet
  - ✓ TC5747 Evaluation Kit Guide describing PC Installation, board settings and connections

Interfaces

- USB 2.0.
- On board 24-pin connector for the TC5747 camera module

Windows Software

- USB 2.0 Hi-Speed (and Full-Speed) isochronous pipe for video streaming
- Demo application: live video display and capture with graphical user interface to control brightness, contrast, saturation, hue, exposure, etc.

Minimum Requirements

- Pentium III processor or equivalent
- Windows 2000/XP
- Video graphics adapter up to 1024x768 resolution at 24-bit color
- CDROM Drive
- Adobe Acrobat Reader (free download)

Specifications

Dimensions	60 x 42 mm
Image Resolutions	640 x 480 (VGA)
	320 x 240 (QVGA)
	160 x 120 (QQVGA)
Image Formats	RGB444
	RGB565
	RGB666
	RGB888
	YUV422
	JPEG
	Motion-JPEG.
Frame Rate	Up to 15fps at VGA resolution
Connector	24-pin (optional 39-pin, with adapter)
Video Display	Real time (on PC monitor) with camera control