1 FEATURES

- **i.MX53, i.MX6x & i.MX6UL Modules**
- 12V input source
- Audio Input
- Stereo Audio Output
- Digital Audio Output (i.MX6x only)
- 2x USB Host Connectors
- 1x USB OTG Connector
- HDMI Output
- SATA-II (i.MX6x only)
- 5x User LEDs
- 3x User Buttons
- μSD Card
- RS232
- Mini PCI-e Half-Height Connector
- **200-pin extension header:**
  - 3x I^2C
  - 2x UART
  - 1x SDIO
  - 2x SPI (1x for i.MX53)
  - 2x USB Host
  - 2x CAN (i.MX6x only)
  - 1x RGB-24
  - 1x Resistive Touchscreen
  - 1x Audio Interface
  - 1x LVDS
  - 2x PWM
  - 1x 8-bit CSI
  - 12x GPIOs
  - 12V, 5V, 3.3V, 1.8V and 1.5V power rails
- Linux and Android Sample Code
- Hardware Accelerated Graphics
- Image and Video Processing Units

2 DESCRIPTION

The TC-IMX-EVAL board provides the engineering tools needed for fast development and prototyping using ours i.MX53, i.MX6x and i.MX6UL system on modules.

While providing external connections for most of multimedia features, such as Audio and HDMI, this board also supports external SATA-II and μSD Card media for high density storage. Two external USB Type-A connectors complements the storage features with the flexibility provided by the USB standard for other devices, such as mice, keyboards and cameras.

In order to speed up the development, the i.MX evaluation board is extensible. A pair of 100-pin headers gives engineers access to all microprocessor's features. Despite of allowing the connection of evaluation kits from other manufacturers, this evaluation kit also provides a set of daughter boards for extended features, such as Wifi, Bluetooth, GPS, CAN bus, Displays and 3G connectivity.

Linux and Android BSPs are available and have the device drivers needed to run the evaluation board and its daughter boards.

3 BLOCK DIAGRAM