

iW-RainboW-G34D

SODIMM Development Kit

LVDS/HDMI Daughter Board

Datasheet



1. SODIMM LVDS/HDMI Daughter Board Block Diagram



i.MX 8M Mini SODIMM SOM LVDS/HDMI Daughter Board Block Diagram

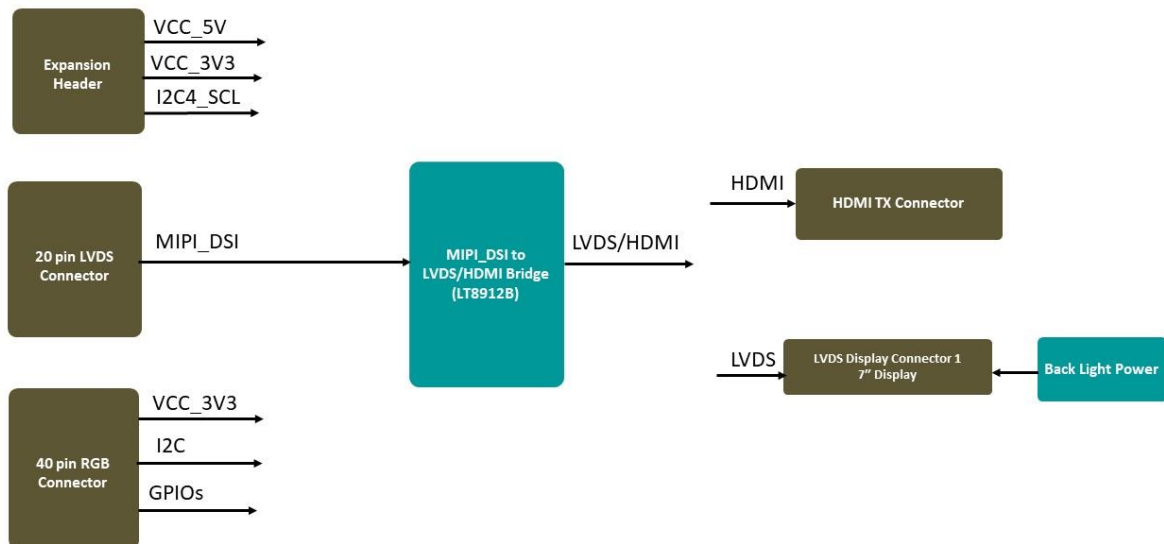


Figure 1: i.MX 8M Mini SODIMM Development Kit LVDS/HDMI Daughter Board Block Diagram

2. i.MX 8M Mini SODIMM Development Kit LVDS/HDMI Daughter Board Features

i.MX 8M Mini SODIMM Development Kit LVDS/HDMI Daughter Board supports the following features.

- **LVDS Display**
 - 7" TFT-LCD (4 Lane)
- **HDMI**
 - HDMI TX (Type A) Conn

3. Display Specification

➤ LVDS Display

📑 LVDS Display – 7”

7” TFT-LCD	
Interface	6/8 Bits LVDS
Part Number	NMLCD-70M12-CTP
Resolution	1024 x 600
Touch Type	Capacitive Touch Panel
Touch Interface	I2C
Luminance	up to 500 cd/m2
Operating Temperature	-20 to +80 °C
Outline Dimension	164.9(W) * 100 (L) * 5.53 (H)

➤ HDMI

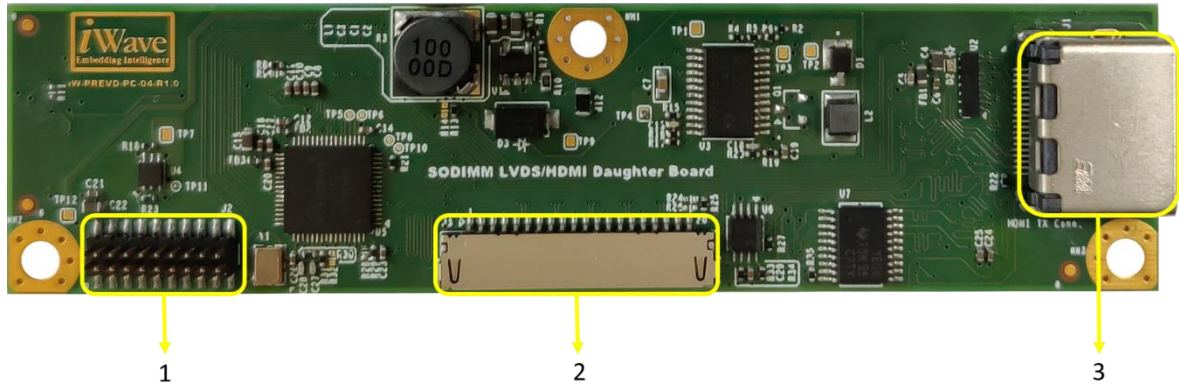
📑 HDMI TX

HDMI TX	
Interface	HDMI
Standard	HDMI1.4
Resolution	Up to 1080p, 60Hz
Hot plug support	Yes

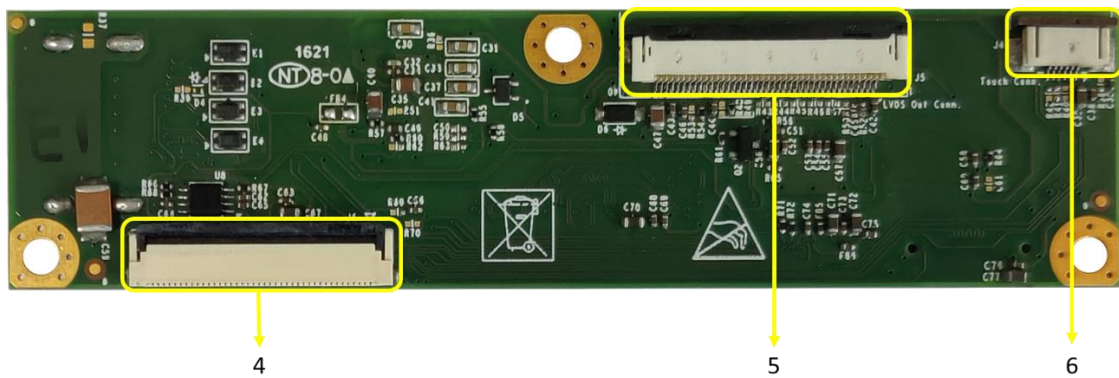
LVDS/HDMI Daughter Board for SODIMM Development Kit

4. Quick View of board

TOP View



Bottom View



1. Expansion Header(J2)
2. 20 pin LVDS Conn(J3)
3. HDMI TX Conn(J1)
4. 40pin RGB Conn(J6)
5. 7" LVDS Conn(J5)
6. 7" LVDS Touch Conn(J4)

Note: For customization and/or optional features support, please contact mktg@iwavesystems.com

