SAM9X75-EB - Display – Interfacing Guide

Hardware Connection

Power - 5V and Gnd
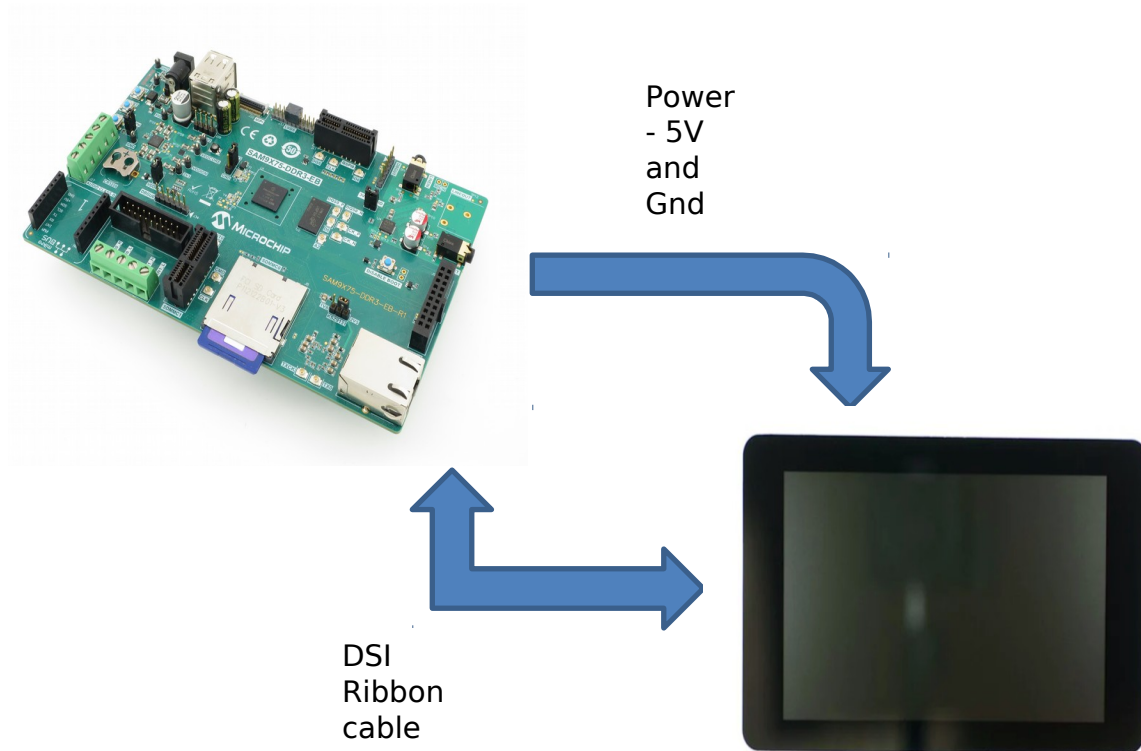
DSI Ribbon cable

Raspberry Pi Display

Raspberry Pi 7-inch Display is connected to SAM9X75EB board through a DSI ribbon cable. To know more about the Raspberry Pi Display and different connectors on the display board, check the below link:
https://thepihut.com/blogs/raspberry-pi-tutorials/raspberry-pi-7-touch-screen-assembly-guide

Using DSI ribbon cables

The sam9x75eb board and the raspberry pi display board using ribbon cable:

Further details of the ribbon cable can be found in this link:
https://www.waveshare.com/dsi-cable-15cm.htm

The DSI ribbon cables looks as shown below:
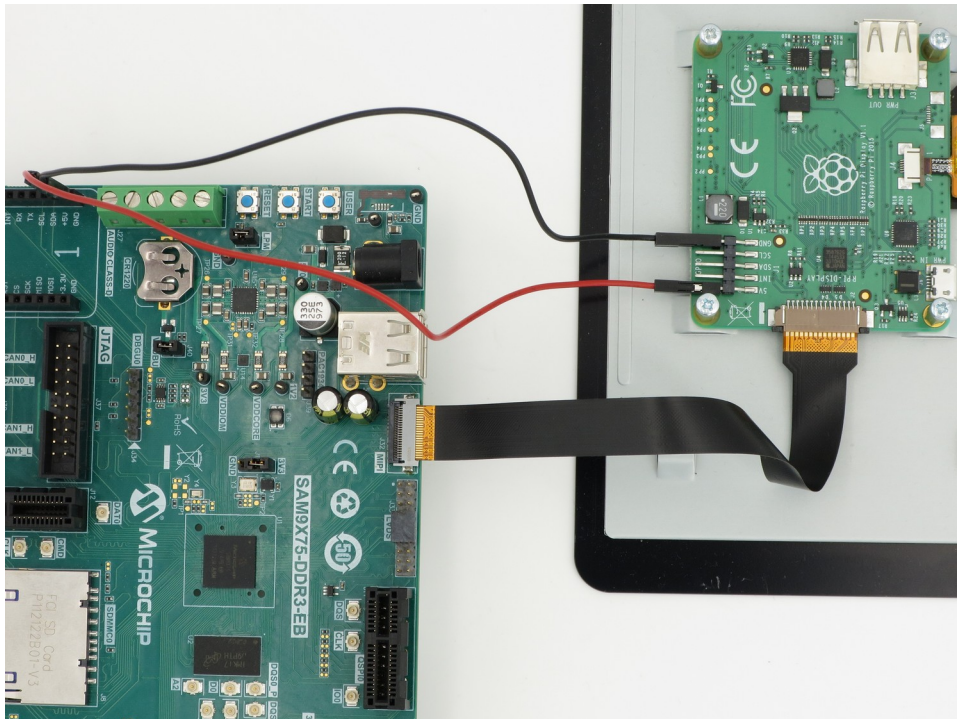

The connection details are given below:

• One end is connected to the R-Pi display. It has a 15pin end on the display side

• The other end is connected to the SAM9X75EB board. It has a 22pin end.

• The R-Pi display has 5V power input header J1 which can be connected to an available 5V source on the SAM9X75EB, like the mikroBUS slot.

- The connections of the ribbon cables and power lines are shown below:
  - DSI ribbon cable connection between SAM9X75EB board and Raspberry Pi display board
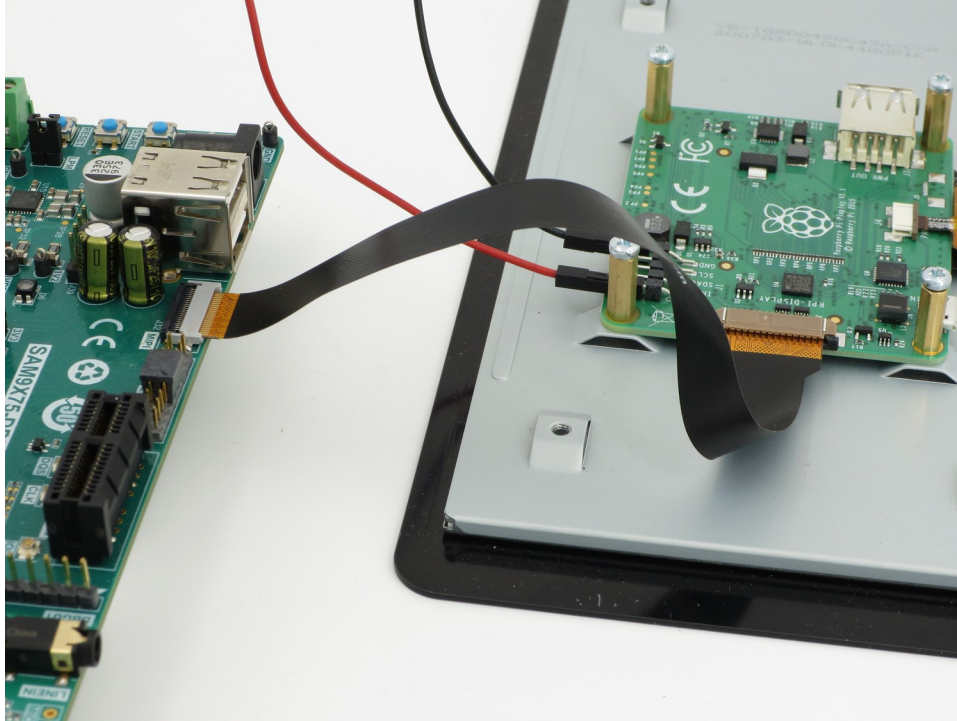
  - 5v and GND connection between SAM9X75EB and Raspberry Pi Display

- Overall connections of SAM9X75EB with Raspberry Pi Display setup is shown below

- A closer look is shown below