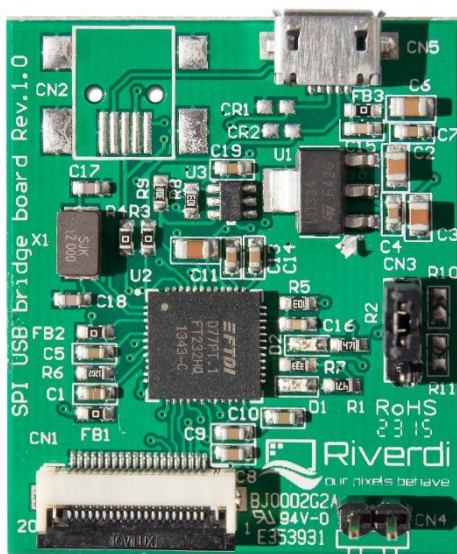




Hermes Board

User Manual

Rev.1.2
2016-08-23



Introduction

Hermes board is an accessory board which is used to communicate with SPI Interface device via USB cable. It allows you the work directly from your PC.

REVISION RECORD

REVNO.	REVDATE	CONTENTS	REMARKS
1.0	2015-08-25	Preliminary edition	
1.1	2015-12-10	Add development kit information	
1.2	2016-08-23	2.8 disclaimer	

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1. QUICK START GUIDE

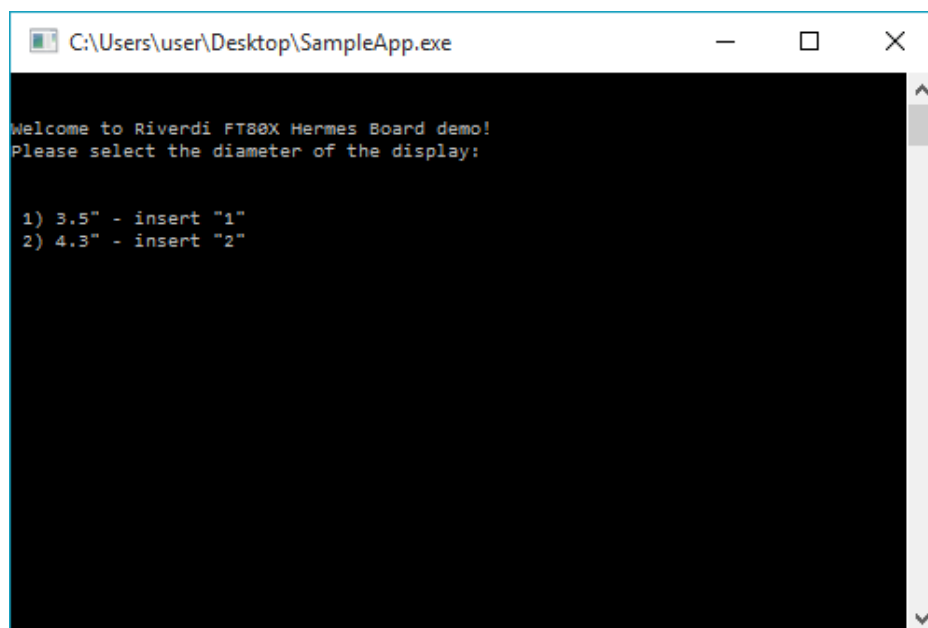
Warning!

Hermes Board will not work with 2.8" module. Channing interface from 8080 to RGB require 9bit SPI which can't be generated by FT232. For more detail about interface go to datasheet for specific module.

Connect TFT module via CN1 ZIF0520DH connector. Select backlight power supply on CN3. Connect Hermes Board to PC. Install Virtual COM Port drivers for FT232H. Drivers are available on FTDI webpage: <http://www.ftdichip.com/Drivers/VCP.htm>.

Launch Riverdi demo application. Select proper display.

Figure 1. Riverdi demo application



2. DEVELOPMENT KIT SET

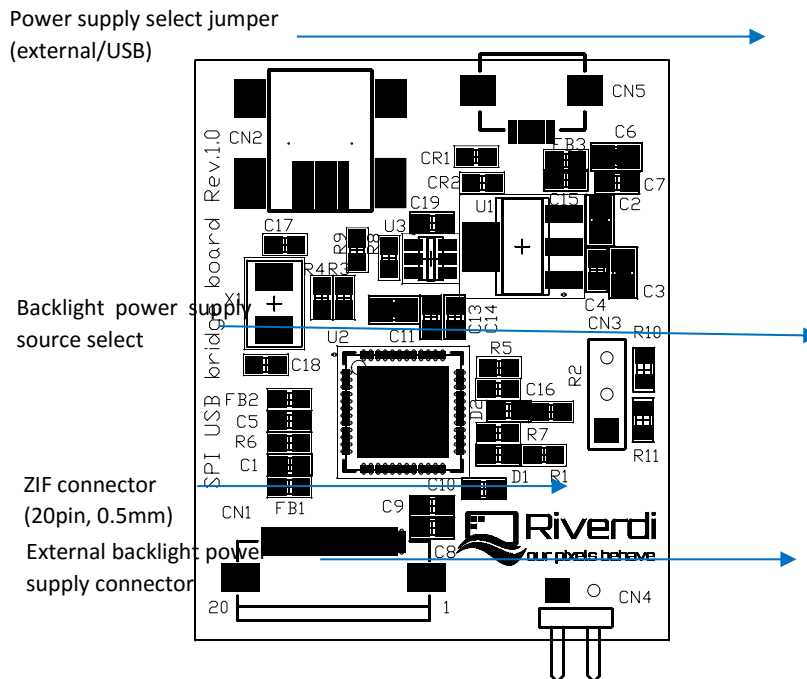
Hermes Board kit contains:

- Hermes Board,
- 20 pin, 0.5mm, 15 cm length FFC
- 1.5 m Micro USB cable

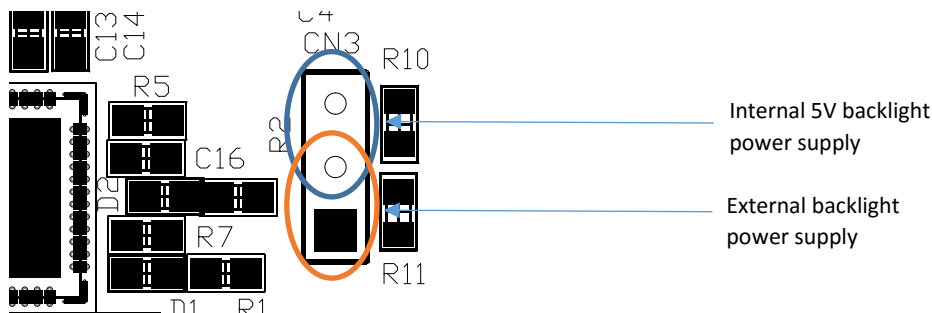
3. DETAILED BOARD DESCRIPTION

Hermes Board is designed to allow you control Riverdi TFT displays with FT8XX controllers via USB. It allows to develop customer application without hardware designing.

Figure 2. Board layout



4. BACKLIGHT SOURCE SELECT

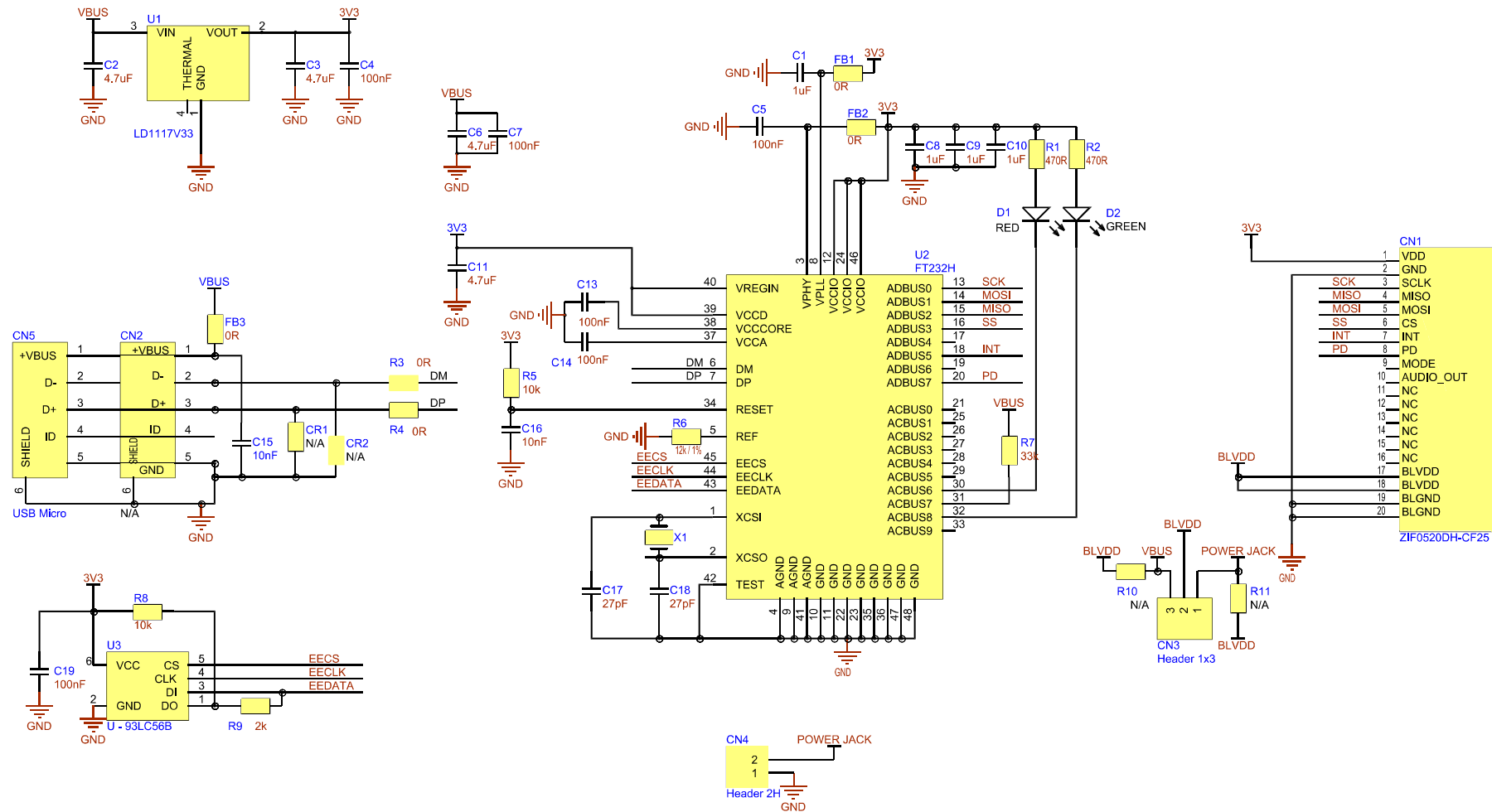


NOTE: If using external backlight power supply, check maximum backlight power supply for each TFT module.

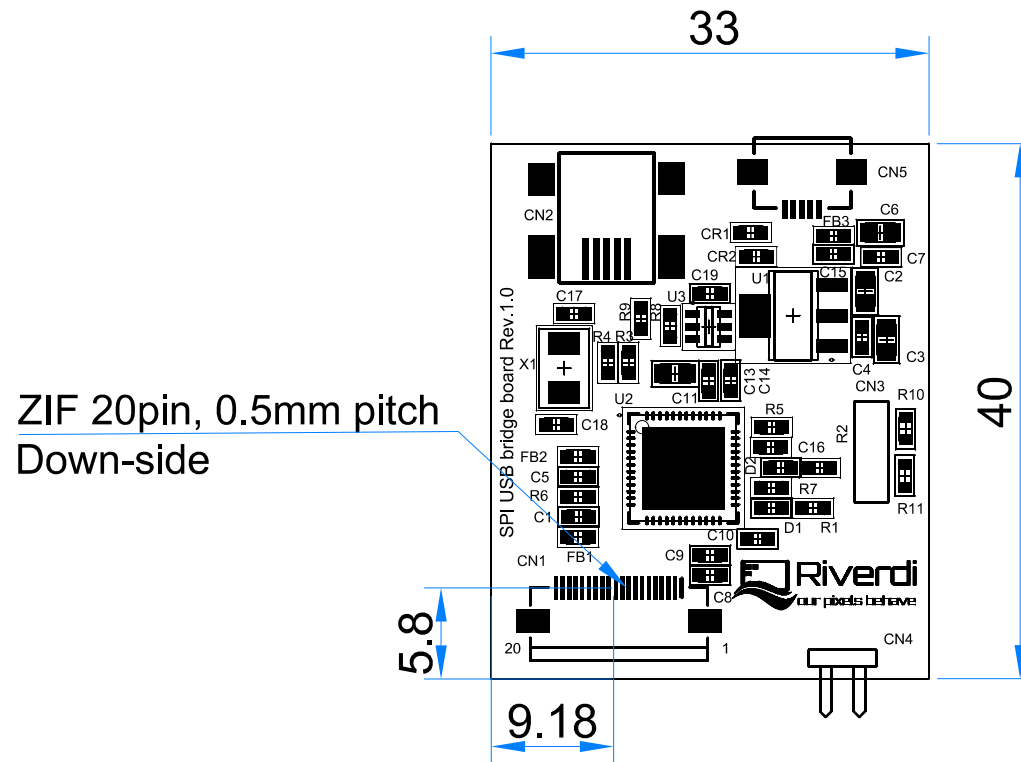
5. REFERENCES

Visit www.riverdi.com/hermes to download sample applications.

6. ELECTRICAL SCHEMATIC



8. MECHANICAL DRAWING



9. LEGAL INFORMATION

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