

TFT Proto 5"



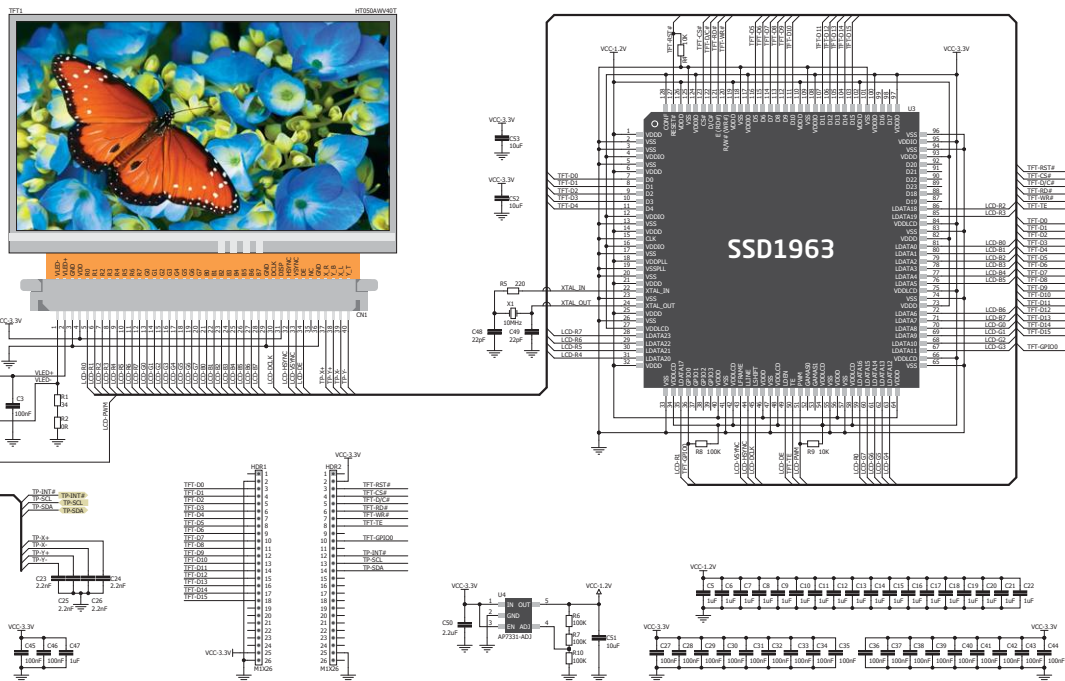
Introduction to TFT Proto 5"



Figure 1: TFT Proto 5" board

TFT Proto 5" enables you to easily add a touchscreen display to your design, whether it's a prototype or a final product. It carries a **800x480 px** HT050AWV40T TFT screen driven by a **SSD1963** graphic controller that has an interface for 8/9/16/24-bit MCUs. An **STMPE811** controller drives the 4-wire resistive touch-panel. The board is lined with two rows of 26 pins with **16 data and 7 control lines** for the graphic controller (including GPIO0 that accesses the deep-sleep mode), plus **I²C lines and an interrupt line for the touchscreen controller**. The board uses a 3.3V power supply only (with pins on each side of the board added for convenience). Mounting holes in each corner simplify integration.

Figure 2:
TFT Proto 5"
schematic



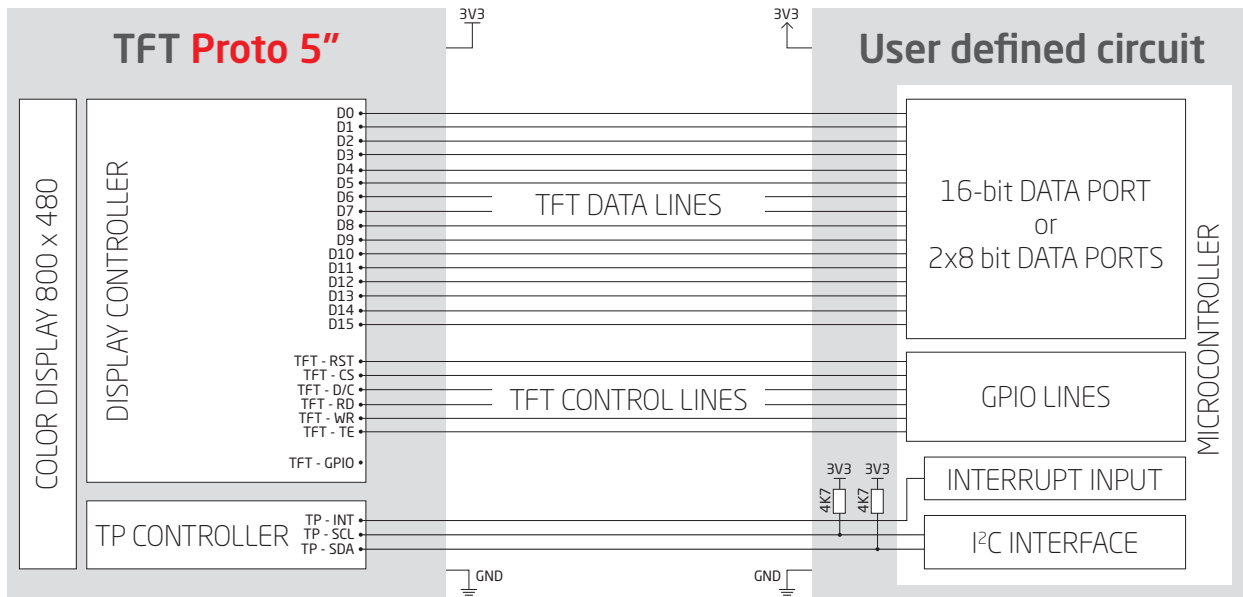
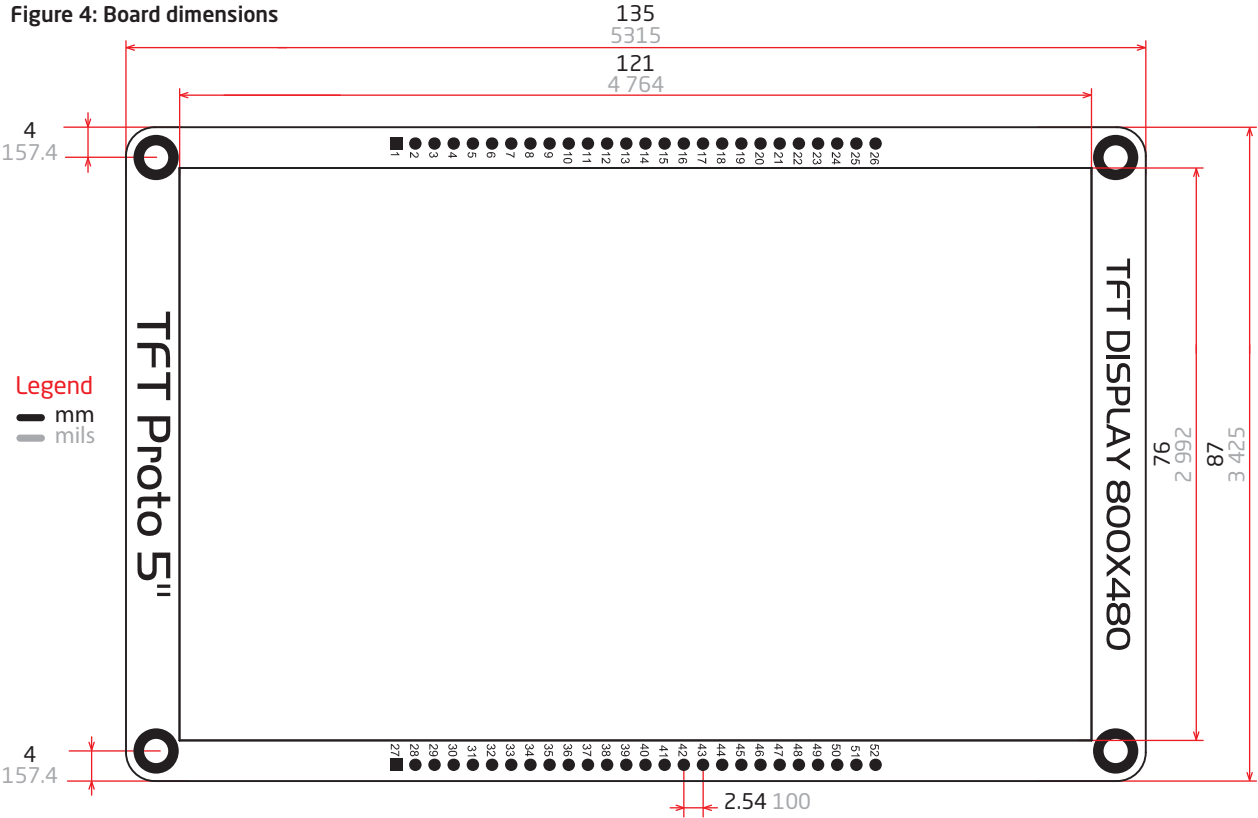


Figure 3: Typical application note

Figure 4: Board dimensions





If you want to learn more about our products, please visit our website at **www.mikroe.com**

If you are experiencing some problems with any of our products or just need additional information, please place your ticket at **www.mikroe.com/support**

If you have any questions, comments or business proposals,
do not hesitate to contact us at **office@mikroe.com**

TFT PROTO 5" manual
ver. 1.01

