

TFT Proto 7"





Figure 1: TFT Proto 7" board

TFT Proto 7" 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** FRD070IF40-A 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.

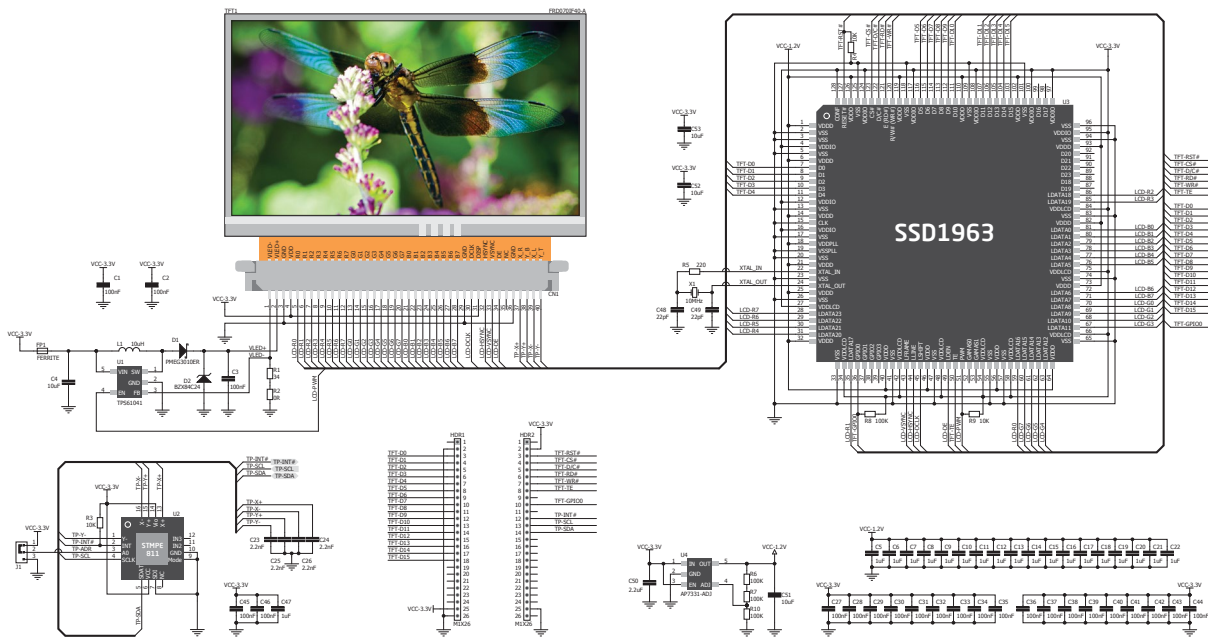


Figure 2: TFT Proto 7" schematic

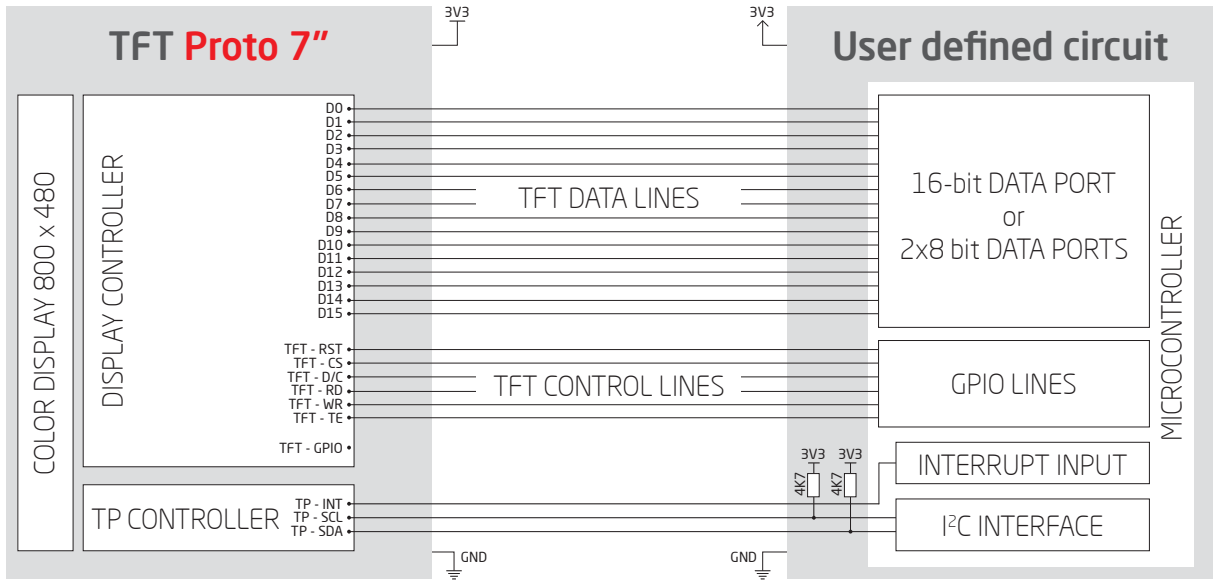


Figure 3: Typical application note

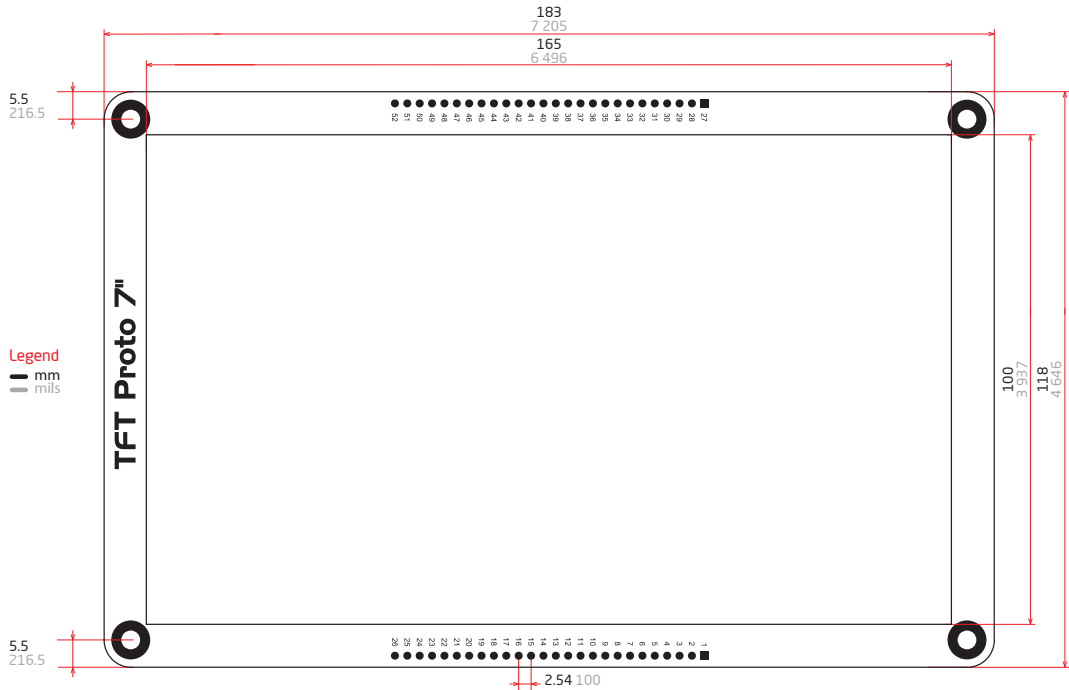


Figure 4: Board dimensions



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