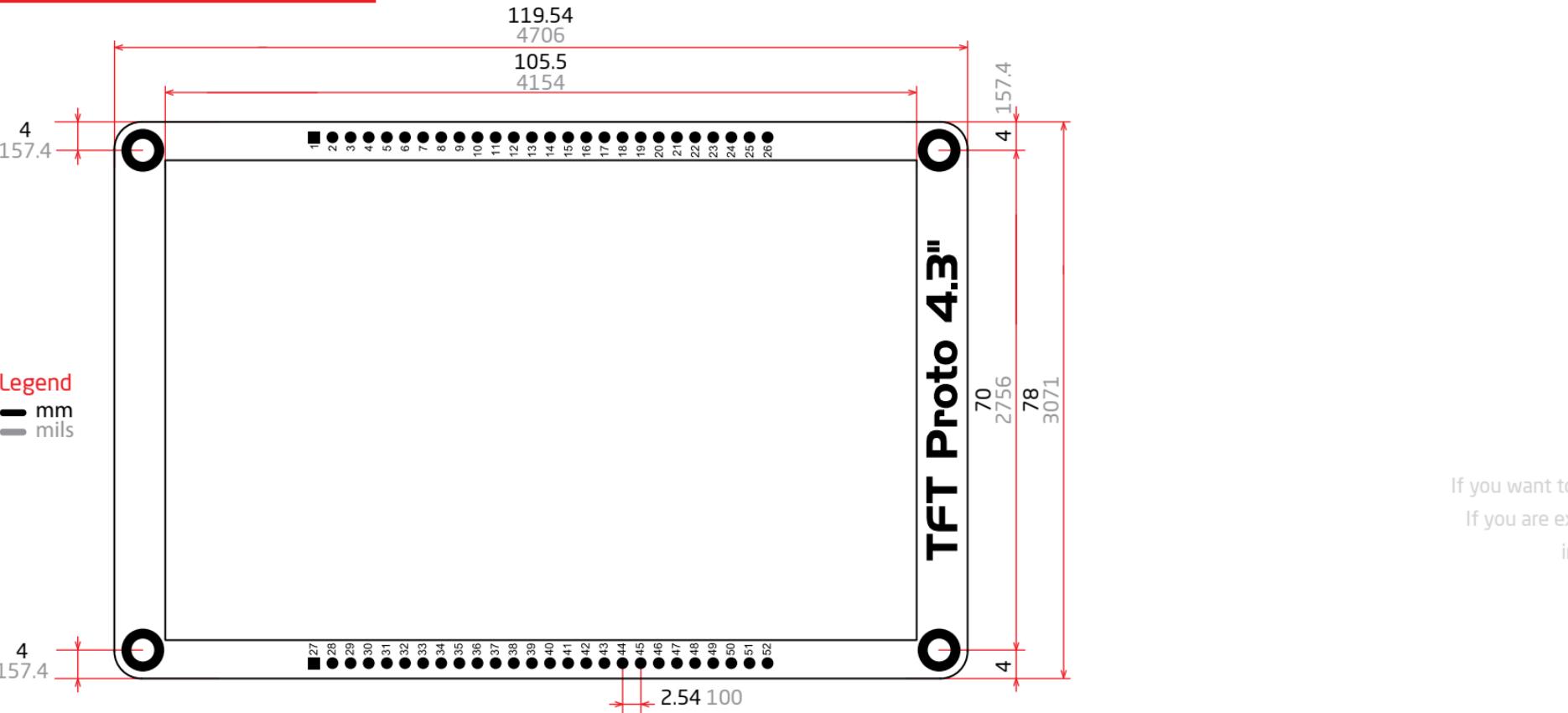


TFT Proto 4.3"

Board dimensions



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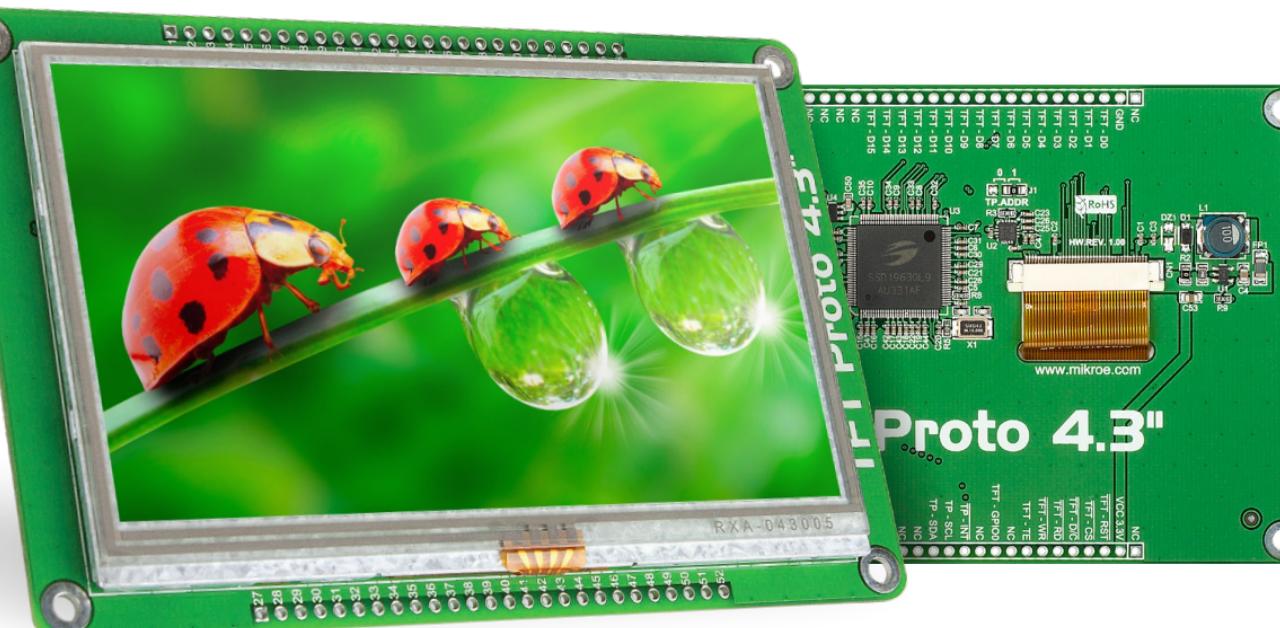
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Introduction to TFT Proto 4.3"



Figure 1: TFT Proto 4.3" board

TFT Proto 4.3" enables you to easily add a touchscreen display to your design, whether it's a prototype or a final product. It carries a 480x272 AT043B35 TFT screen driven by a SSD1963 graphic controller that has an interface for 8/9/16/24-bit MCUs. A 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.

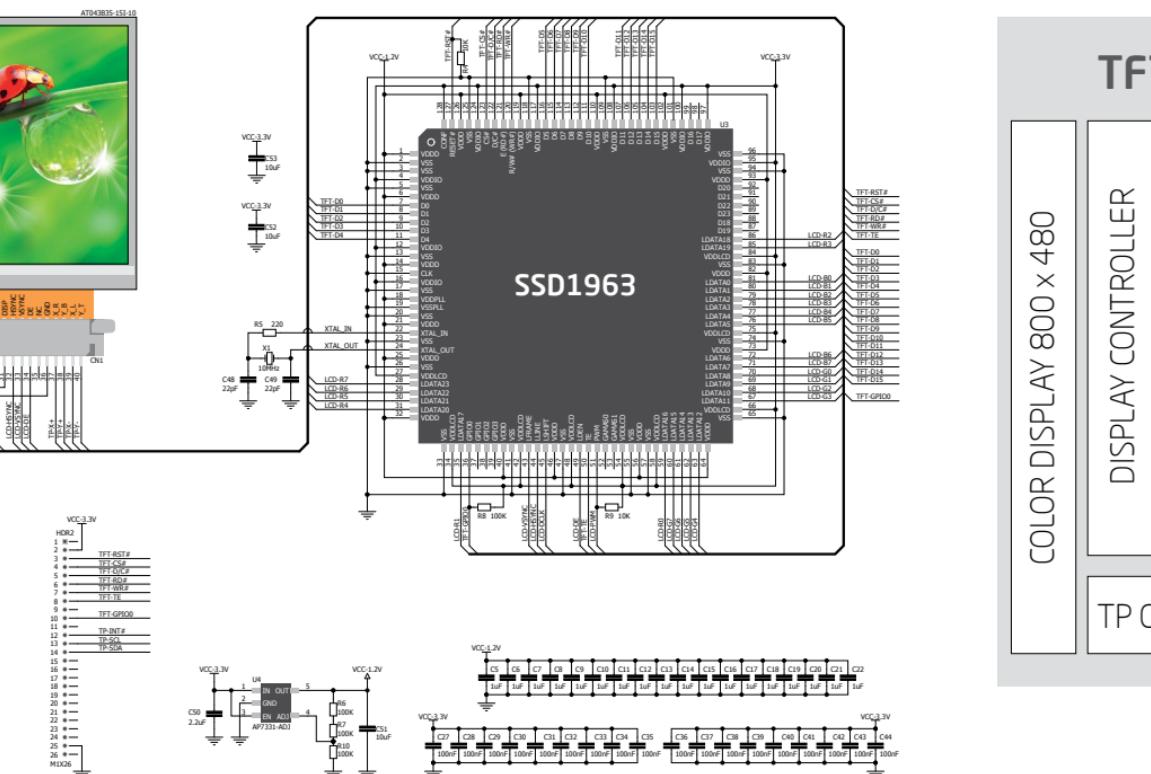


Figure 2: TFT Proto 4.3" schematic

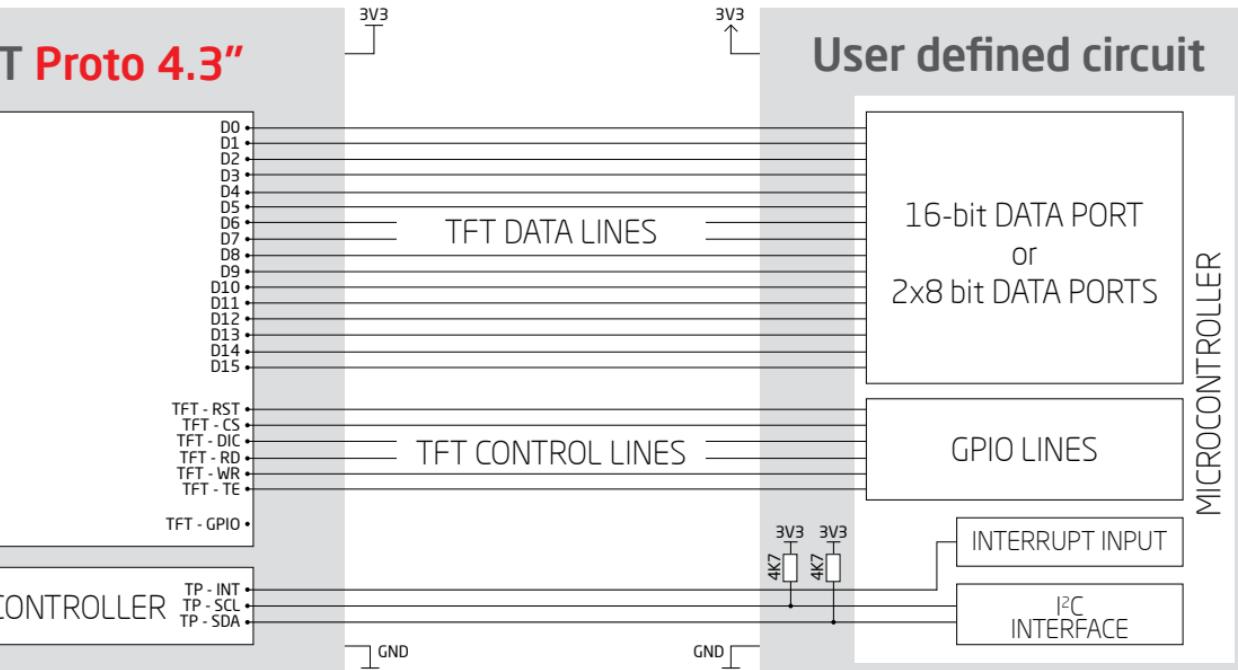


Figure 3: Typical application note

Introduction to TFT Proto 4.3"



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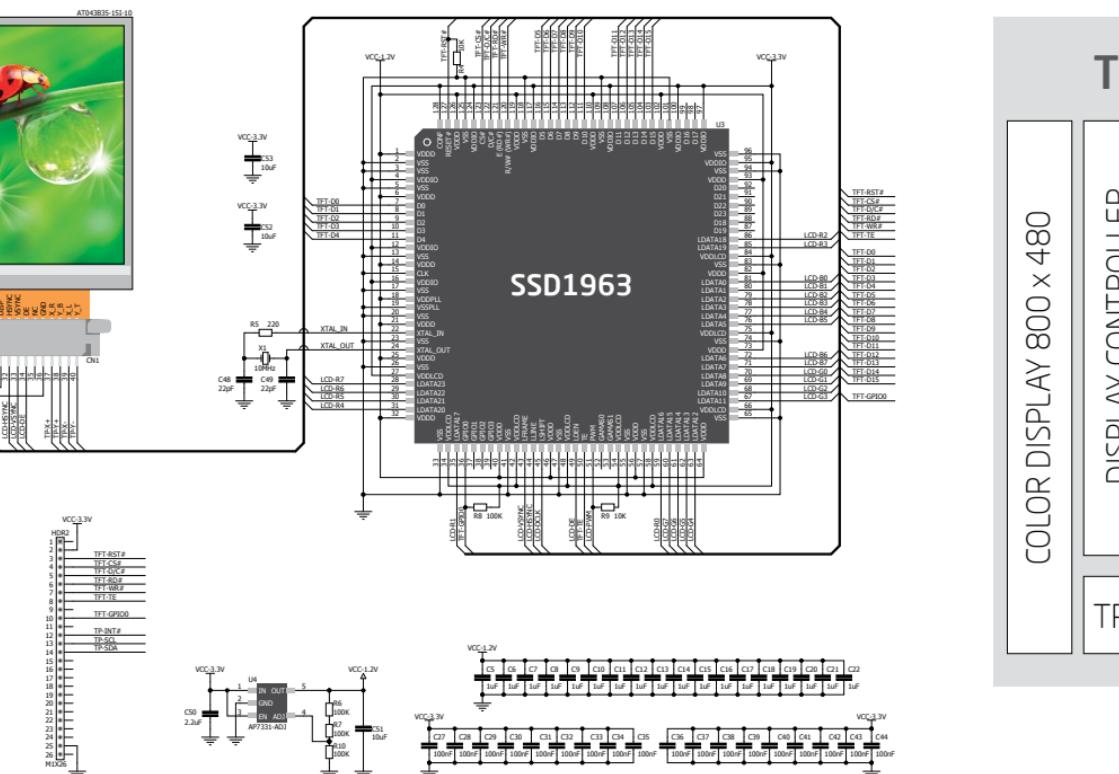


Figure 2: TFT Proto 4.3" schematic

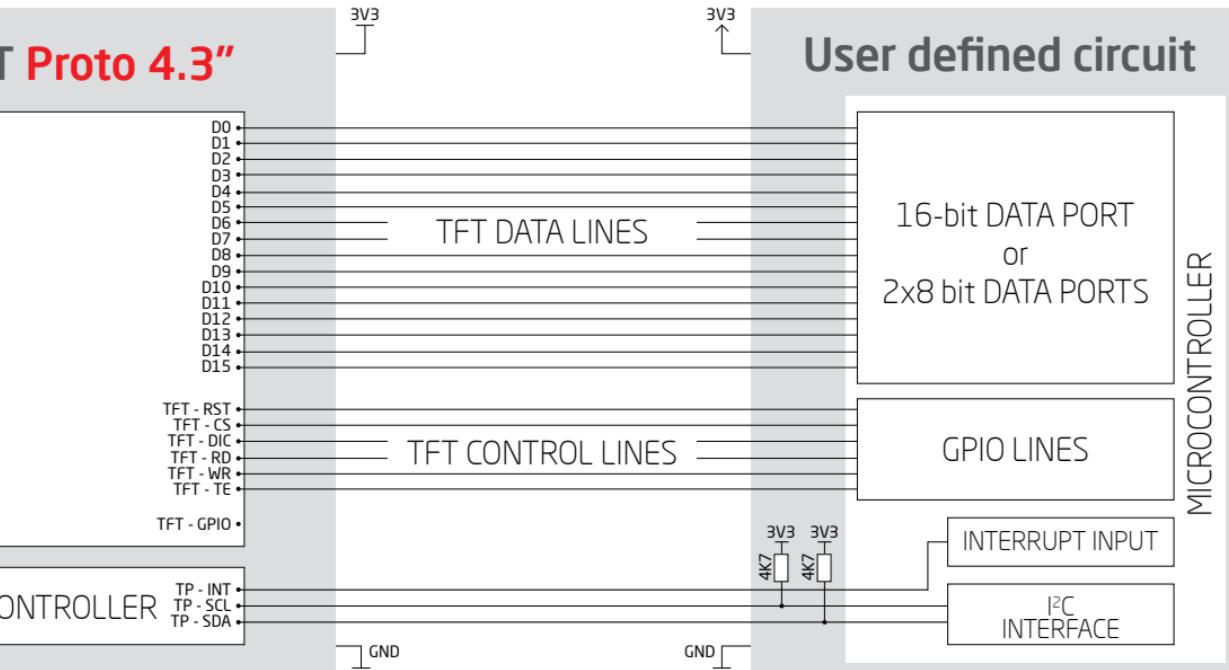
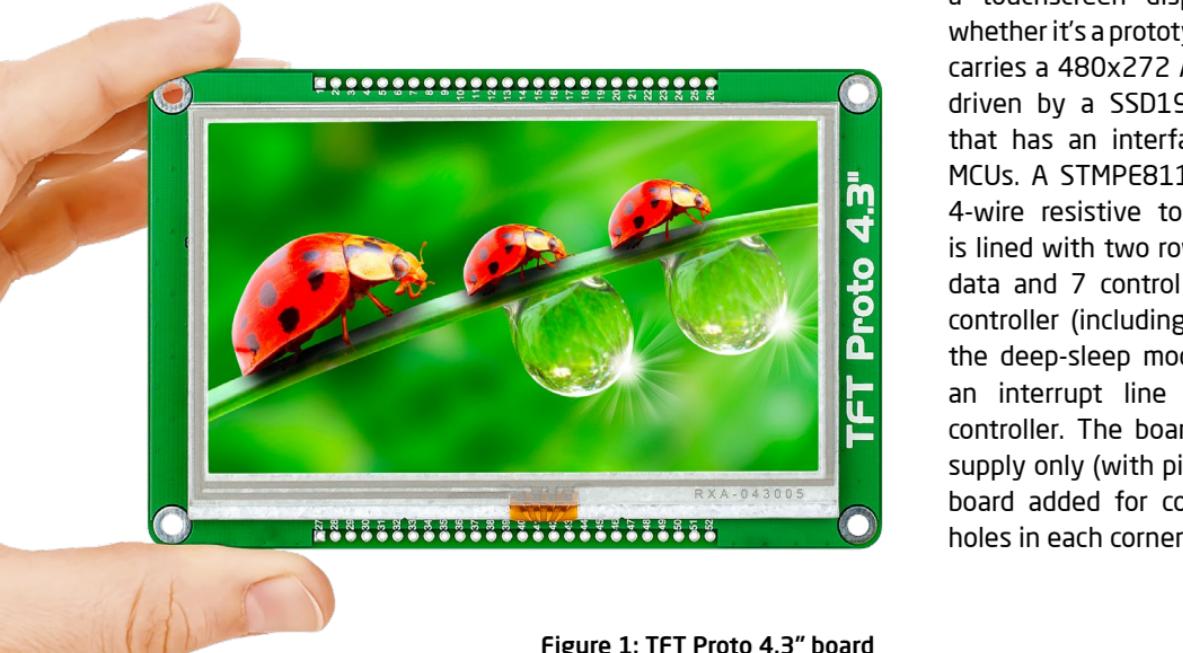


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Figure 1: TFT Proto 4.3" board

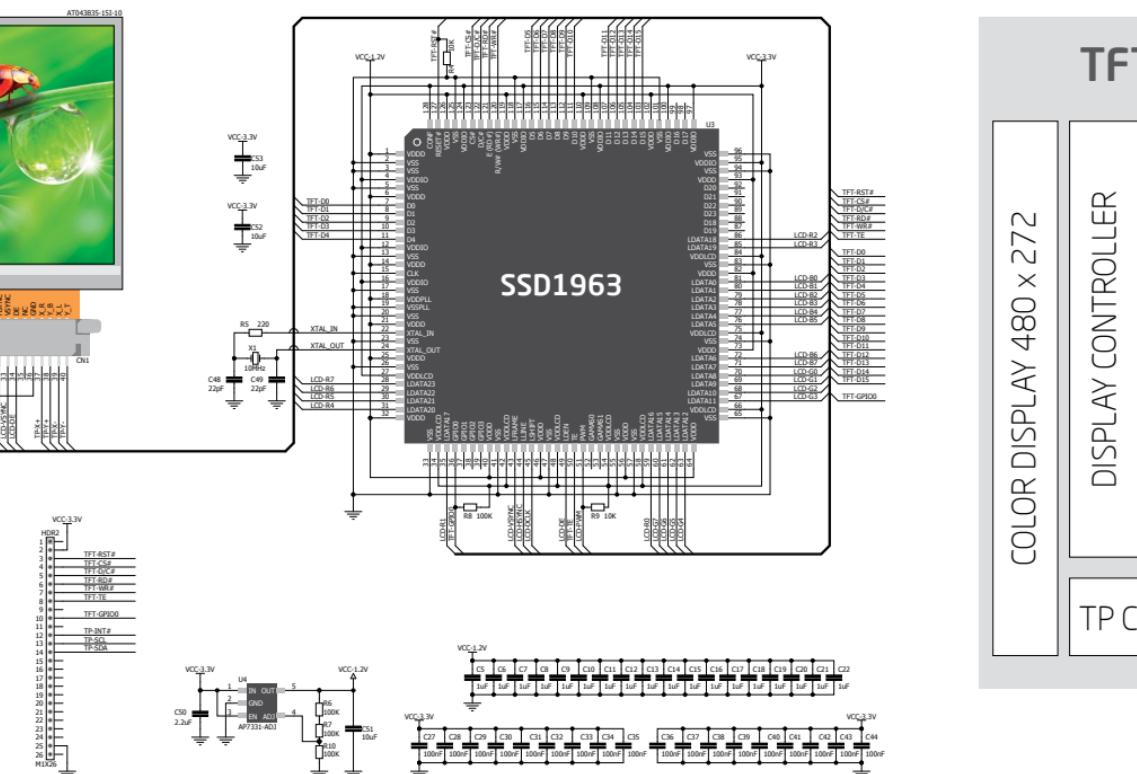


Figure 2: TFT Proto 4.3" schematic

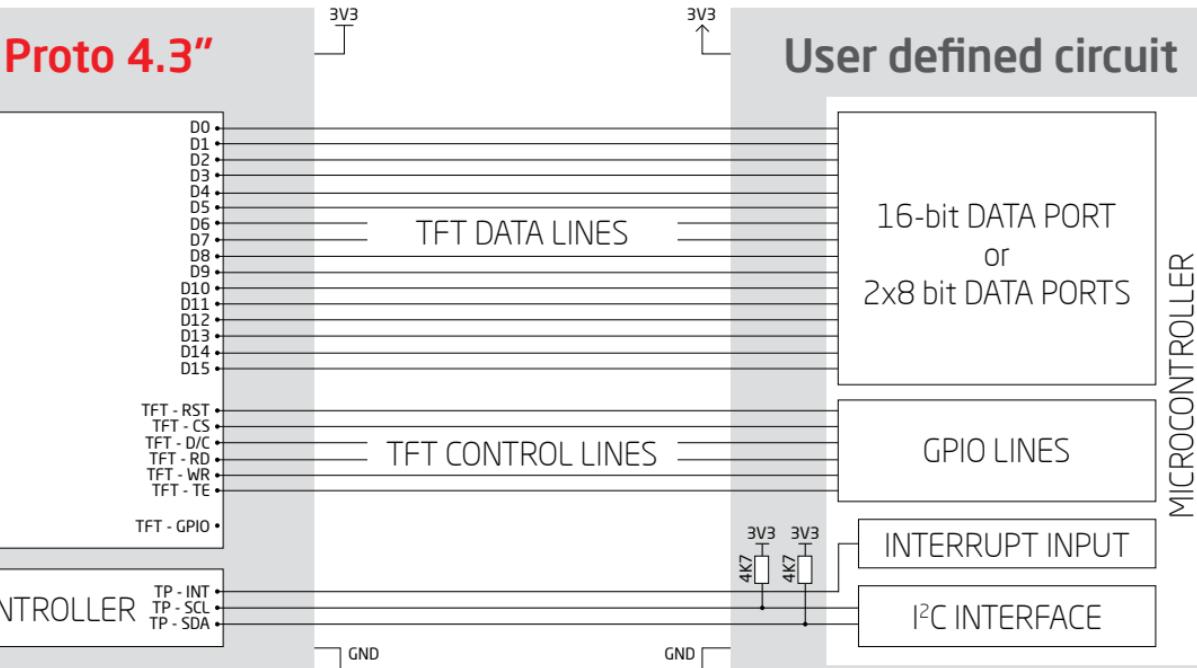
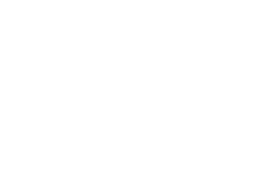
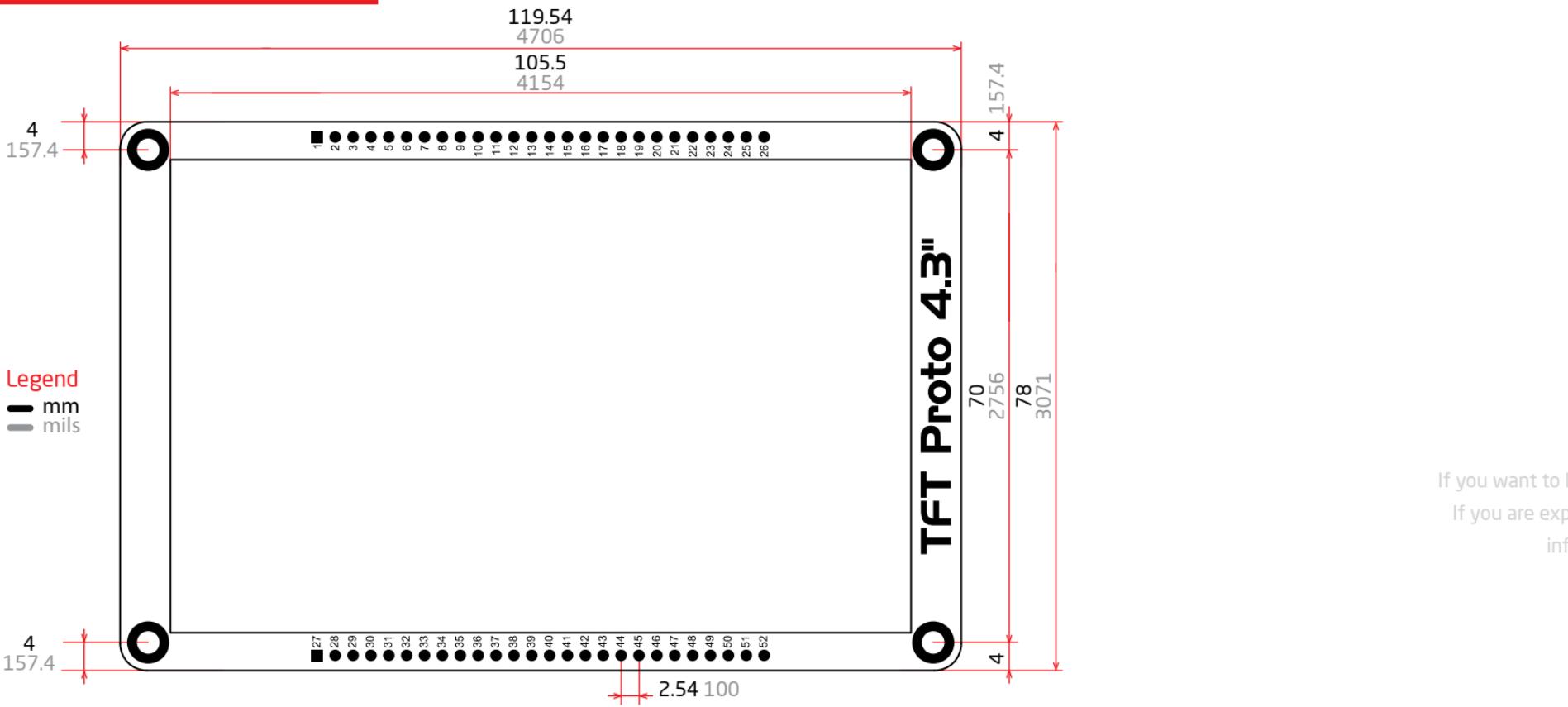


Figure 3: Typical application note

TFT Proto 4.3"

Board dimensions



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Board dimensions

This technical drawing illustrates the physical dimensions and mounting points for a TFT Proto 4.3" display unit. The overall width is 119.54 mm (4706 mils), and the height is 157.4 mm (4154 mils). The unit features four mounting holes at the corners. A central vertical slot is labeled "TFT Proto 4.3". The bottom edge has a total width of 2.54 inches (100 mils) and includes two mounting holes. A legend indicates that black lines represent millimeters (mm) and gray lines represent mils.

Legend

- mm
- mils

Dimensions:

- Total Width: 119.54 mm (4706 mils)
- Total Height: 157.4 mm (4154 mils)
- Bottom Edge Width: 2.54 inches (100 mils)
- Central Vertical Slot: TFT Proto 4.3"
- Bottom Mounting Holes: 4
- Left and Right Side Mounting Holes: 4
- Top Side Mounting Holes: 4
- Bottom Side Mounting Holes: 4

Mounting Hole Indexes:

- 1 (top-left)
- 2 (top-right)
- 3 (top-center)
- 4 (top-center)
- 5 (middle-left)
- 6 (middle-right)
- 7 (middle-center)
- 8 (middle-center)
- 9 (bottom-left)
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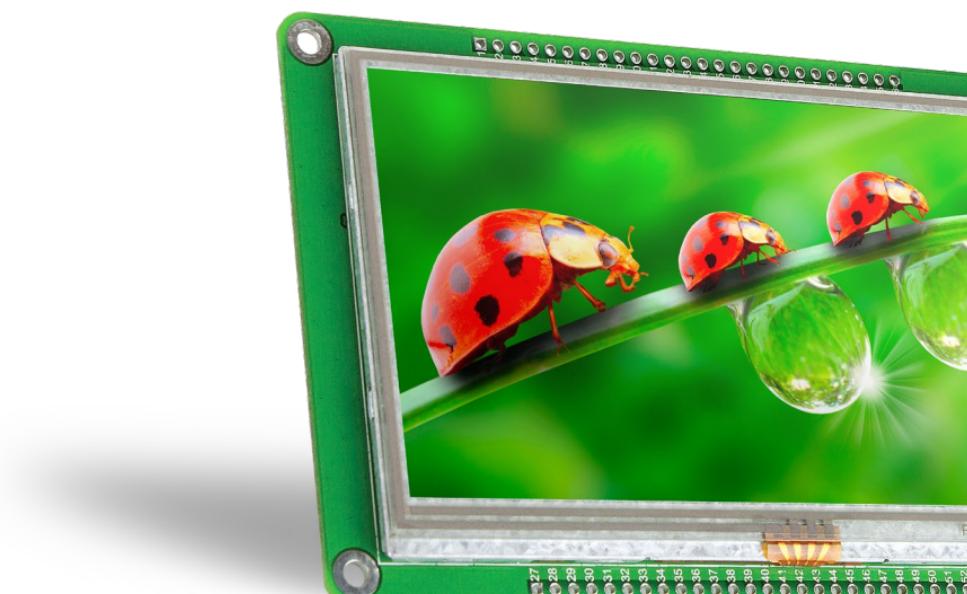
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TFT Proto 4.3



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