Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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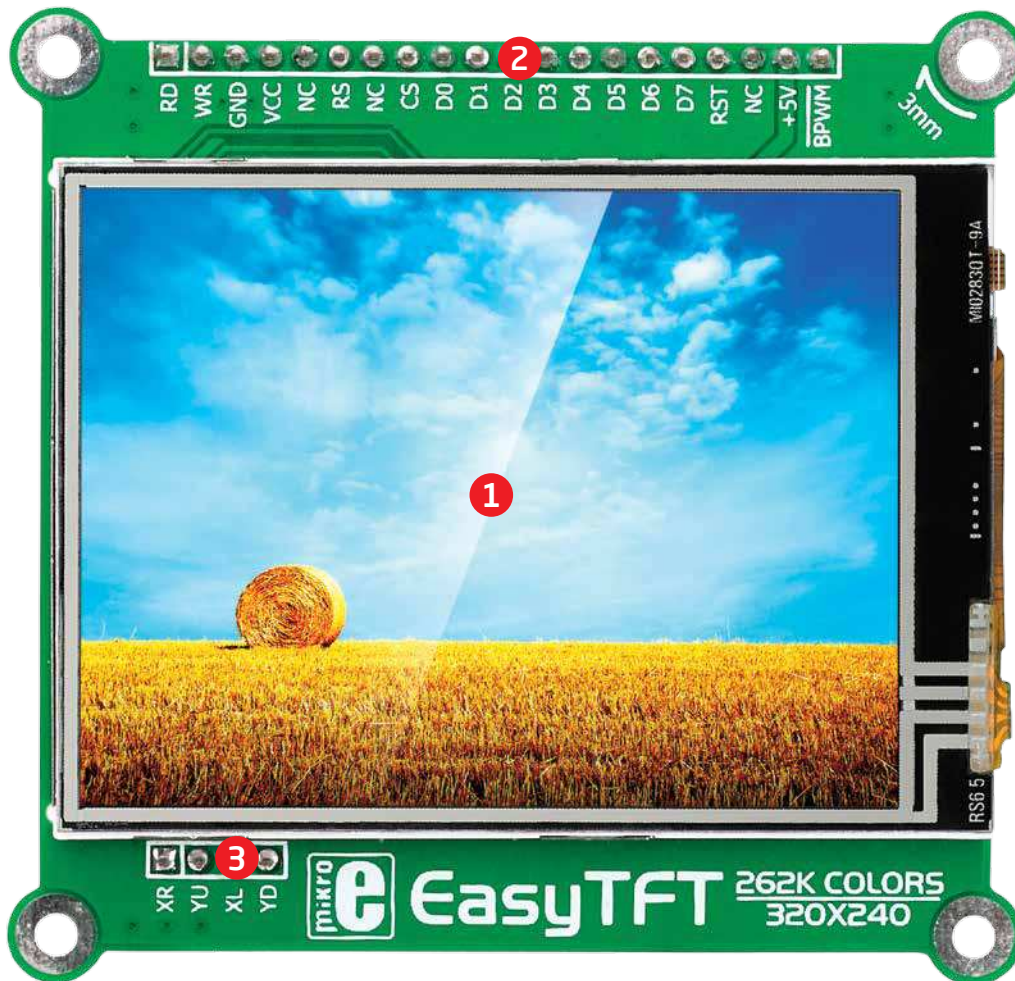
EasyTFT board

EasyTFT 262K COLORS 320x240

TFT

262K colors

Board information

The EasyTFT board as shown on **Figure 1** contains 2.83" TFT color display **MI0283QT-9A** with 320x240 pixel resolution, which is driven by **ILI9341** display controller, capable of showing advanced graphical content. Each pixel can display 262K different colors. TFT display is covered with a resistive touch panel which can be used as input device. The board is primarily designed to be used as a display board on mikroElektronika Easy development boards. It perfectly fits with the uniquely designed plastic distancer on the GLCD Easy development board socket. For further connectivity there are two female headers, with data and control pinout lines (**CN1** and **CN3**). After testing and building the final program, this card can also be used in your final device. The board also contains mounting holes for easier integration into your designs.

Figure 1: EasyTFT board

1 320x240 pixel 2.83" color **TFT display** with LED back-light, **ILI9341** controller and resistive touch panel.

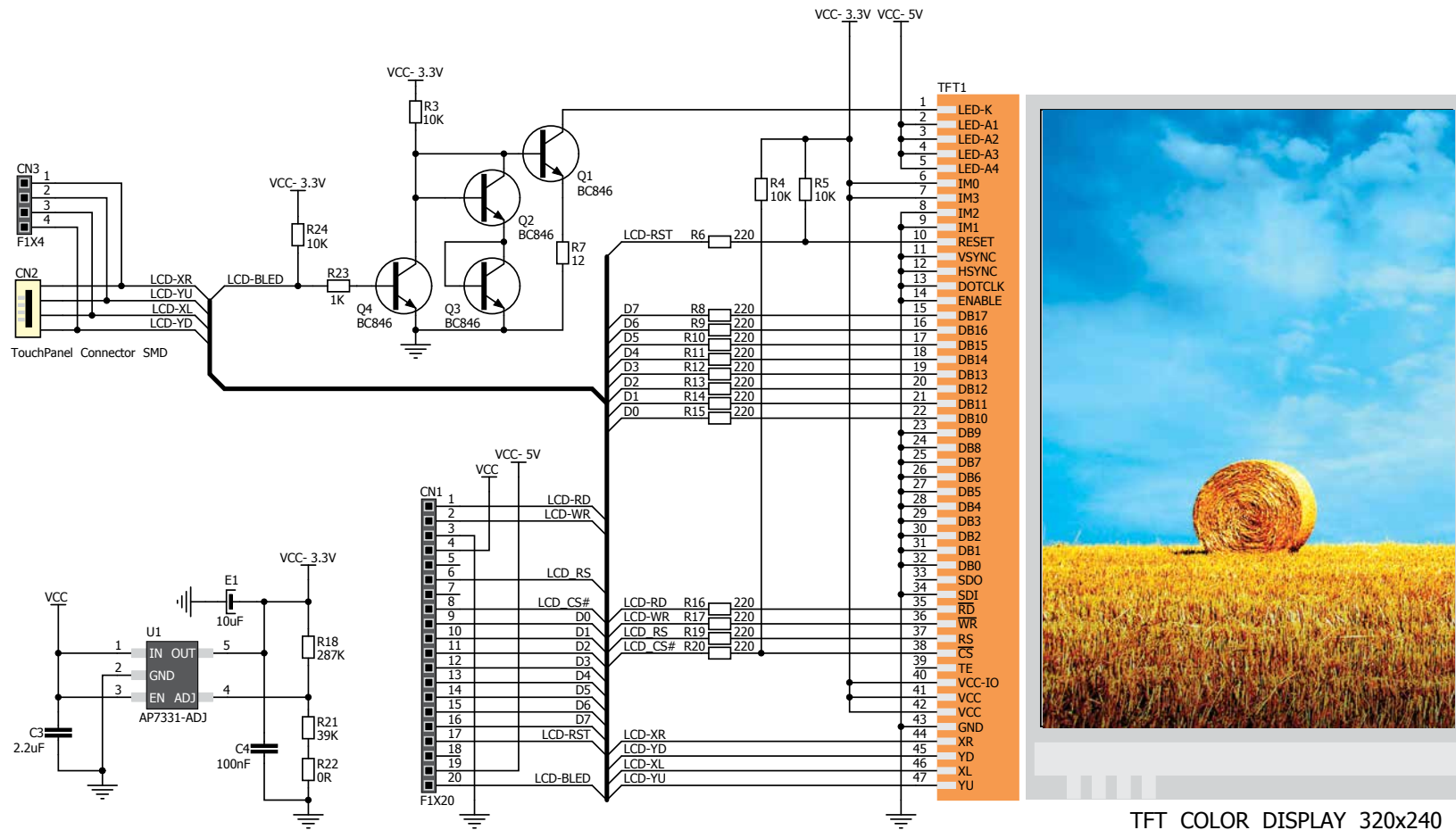**2** **CN1 female header pinout:**

RD - Read signal line
WR - Write signal line
GND - Reference ground
VCC - Power supply
RS - Command/data select line
CS - Chip selection line
D0-D7 - Data lines
RST - Display reset line
+5V - 5V back-light power supply
BPWM - Back-light PWM line

3 **CN3 female header pinout:**

XR - Right side touch panel coordinate
YU - Up side touch panel coordinate
XL - Left side touch panel coordinate
YD - Down side touch panel coordinate

EasyTFT

Figure 2: EasyTFT board schematic

How to properly place your EasyTFT board into the socket?

Before you plug the EasyTFT board into the GLCD socket, make sure that the **power supply is turned off.** The figures below show how to plug the EasyTFT board properly. First make sure that EasyTFT board orientation matches the plastic distancer and male headers on the Easy development board GLCD socket. Place the EasyTFT board over the socket so each male header is properly aligned with the female headers as shown in **Figure 1-1**. Then put the EasyTFT board slowly down until all the pins match the socket as shown in **Figure 1-2**. Check again if everything is placed correctly and press the EasyTFT board until it is completely plugged into the socket as shown in **Figure 1-3**. If done correctly all the pins should be fully inserted. Now you can turn on the power supply.

Figure 1-1: On-board GLCD socket has plastic distancer and male headers which will help you to correctly orient the MCU card before inserting.

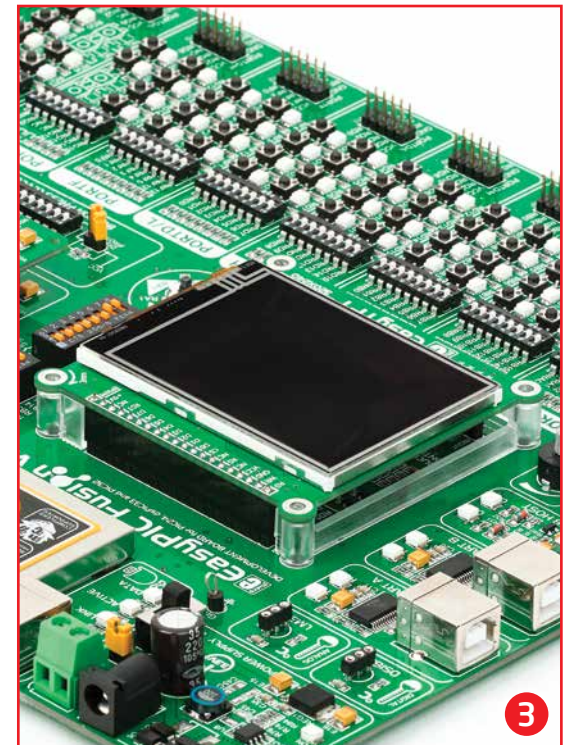**Figure 1-2:** Place the EasyTFT board on the socket so that pins are aligned correctly.

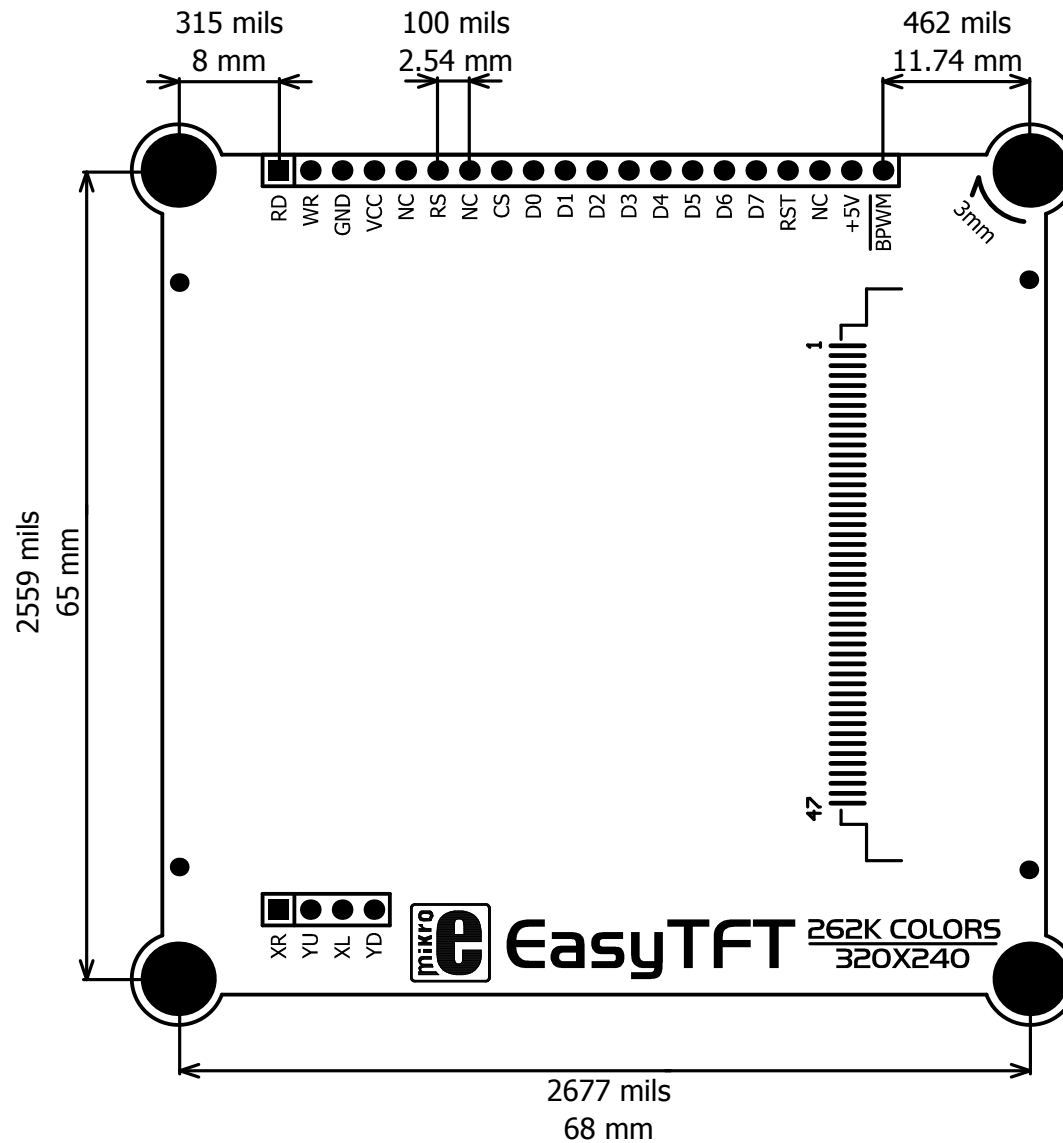**Figure 1-3:** Properly placed MCU card in Easy development board GLCD socket.

EasyTFT

Board dimensions

Figure 3: EasyTFT board dimensions.

TFT

262K colors

QVGA

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information, please place your ticket at www.mikroe.com/esupport
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