

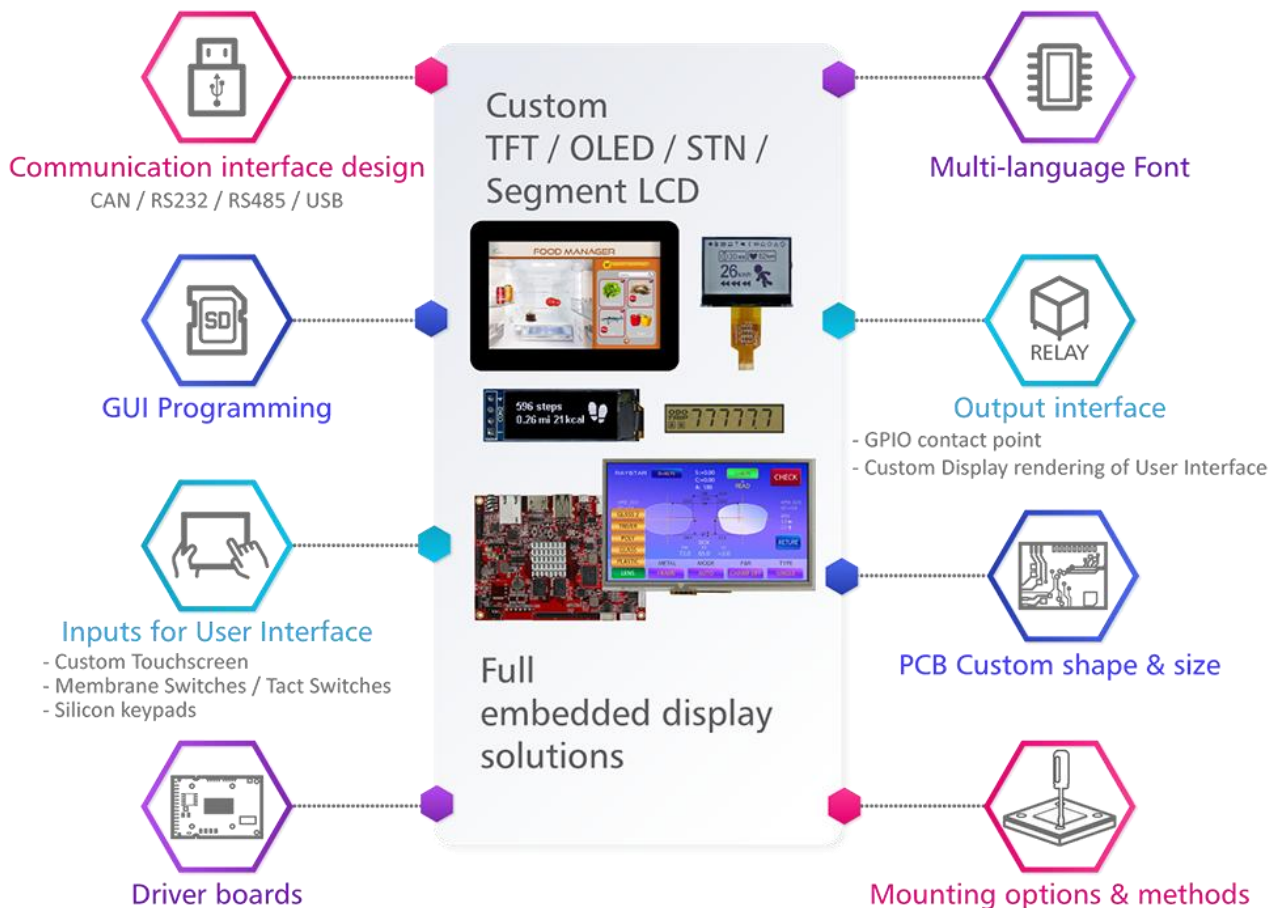


1. Introduction: Raystar System Integrated Solution

Raystar offers an extensive portfolio of System Integrated Solutions to meet customers' unique applications and requirements. Our System Integrated Solution service provides custom design solution and in depth support through our integrated core services which are based on the following technologies:

- ☞ Communication interface design
- ☞ Custom TFT/OLED/STN/Segment LCD
- ☞ GUI Programming
- ☞ Multi-language font
- ☞ Inputs for user interface:
 - ☞ Custom Touch Screen
 - ☞ Membrane switches / Tact switches
 - ☞ Silicon keypads
- ☞ Output interface:
 - ☞ GPIO contact point
 - ☞ Custom Display rendering of User Interface
- ☞ Driver boards
- ☞ PCB Custom shape and size
- ☞ Mounting options and methods
- ☞ Full embedded display solutions

For each new development, understanding of the application area and the fulfillment of the product specifications are the basis for getting an optimum solution. We already had many successful cases and ongoing projects, welcome to contact us if you need custom System Integrated Solutions.



>> [Link to System Integrated Solution](#)

2. [RFS390C series] 3.9" Top View Touch Screen Bar TFT

RFS390C series 3.9 inch Top View Bar TFT module with Touch Screen which featured with 480x128 dots resolution. RFS390C model is built in with Driver IC HX8278-A, it communicates via 24-bit RGB interface, 3.3V (typical) power supply voltage, supports SYNC mode or DE mode, default SYNC mode. Its brightness is 350~400 nits, contrast ratio of 500, view direction 12 o'clock (top view direction), gray scale inversion direction 6 o'clock, and glare surface glass. It can be operating at temperatures from -20°C to +70°C, its storage temperatures range from -30°C to +80°C.

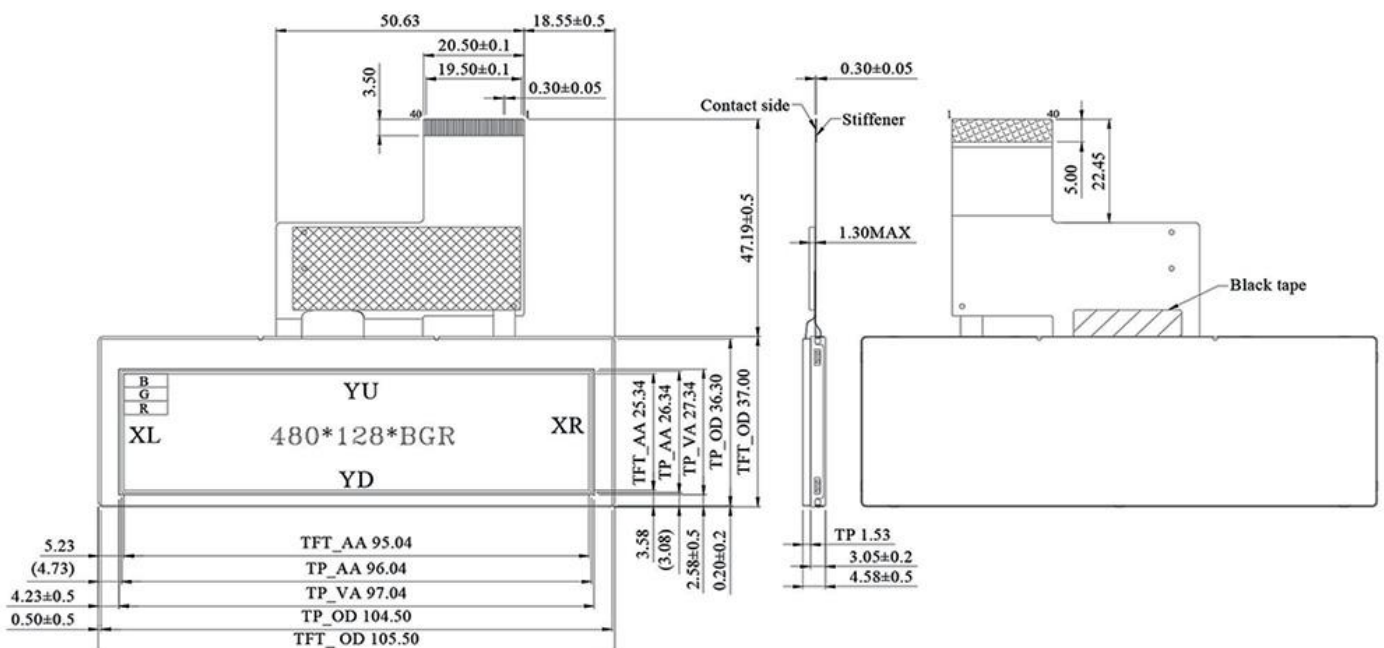
You can choice Resistive Touch Screen or Projected Capacitive Touch Screen and High Brightness version optional for RFS390C model. RFS390C is top-view direction TFT module, if customers require bottom-view (6 o'clock), please choose RFS390B series Bar TFT model.



Specification:

- Size: 3.9 inch
- Dot Matrix: 480x128 x RGB (TFT) dots
- Module dimension: 105.5(W) x 37.0(H) mm
- Active area: 95.04 x 25.34 mm
- Dot pitch: 0.066(W) x 0.198(H) mm
- LCD type: TFT, Normally White, Transmissive
- View Direction: 12 o'clock
- Gray Scale Inversion Direction: 6 o'clock
- Aspect Ratio: Bar Type
- Backlight Type: LED, Normally White
- TFT Driver IC: HX8278-A or equivalent
- TFT Interface: RGB-24BIT
- Touch Panel: RTP / PCAP
- Surface: Anti-Glare / Glare

RFS390C-AIW-DNS Contour Drawing:



>> [Link to RFS390C-AIW-DNS \(RTP\)](#)

>>> [Link to RFS390C-AIW-DNG \(PCAP\)](#)

3. [RFS520B series]5.2" Top View Bar TFT with Touch Screen

RFS520B series is a top view direction bar type TFT LCD module, diagonal size 5.2 inch. We offer Resistive Touch Panels (RTP) and Projected Capacitive Touch Screen (PCAP) optional for RFS520B series Bar TFT. RFS520B module offers high quality and colorful image made of resolution 480x128 dots. This module is built in with ST7252 or equivalent driver IC, it supports RGB 24-bit parallel interface SYNC mode, brightness 350~400 nits, contrast ratio 500, view direction 12 o'clock, gray scale inversion direction 6 o'clock, and glare surface glass. If customers require bottom-view (6 o'clock), gray scale inversion direction 12 o'clock, please choose RFS520A series Bar TFT model.

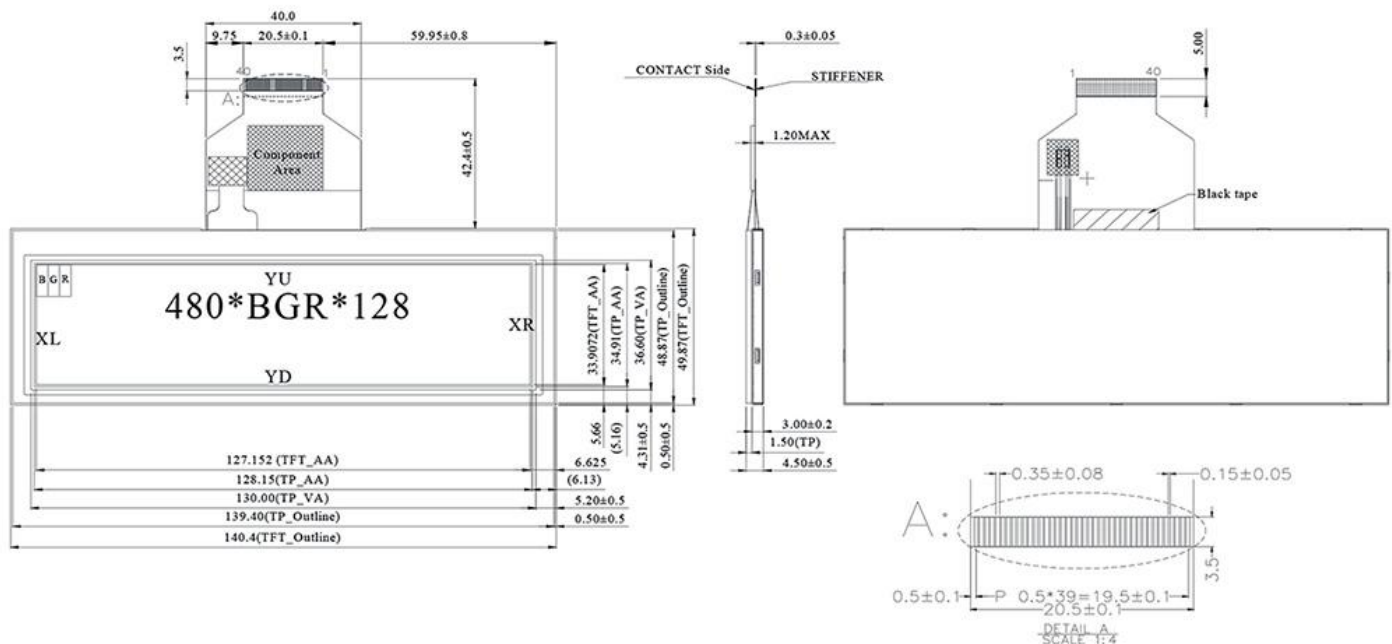
The supply voltage for LCM (VCC) is 3V ~3.6V, typical value 3.3V, it can be operating at temperatures from -20°C to +70°C, its storage temperatures range from -30°C to +80°C. We also offer high brightness optional for RFS520B series Bar TFT.



Specification:

- Size: 5.2 inch
- Dot Matrix: 480 x RGB x 128 dots
- Module dimension: 140.4 x 49.87 mm
- Active area: 127.152 x 33.9072 mm
- Dot pitch: 0.0883 x 0.2649 mm
- LCD type: TFT, Normally White, Transmissive
- View Direction: 12 o'clock
- Gray Scale Inversion Direction: 6 o'clock
- Aspect Ratio: Bar Type
- Backlight Type: LED, Normally White
- Driver IC: ST7252 or equivalent
- Interface: RGB 24bit
- Touch Panel: RTP / PCAP
- Surface: Anti-Glare / Glare

RFS520B-AIW-DNS Contour Drawing:



>> [Link to RFS520B-AIW-DNS \(RTP\)](#)

>> [Link to RFS520B-AIW-DNG \(PCAP\)](#)