1. [REA012864M] 0.96" OLED Display with Yellow & Skye Blue

REA012864M is a COG 0.96" dual color OLED with PCB board on module. The module is built in with SSD1306 IC; it supports I2C interface, 1/64 driving duty, supply voltage for Logic 5V, optional 3.3V, with conversion circuit. REA012864M model is having PCB outline size 27.3 × 27.3 mm with mounting holes on board and 4x1 metal pins on module. The standard color is yellow/sky blue only, without any other color options.

REA012864M OLED module is suitable for smart home application, medical device, smart control, meter, etc. This module can be operating at temperatures from -40℃ to +80℃; its storage temperatures range from -40℃ to +85℃.

Specification:

- ■ Dot Matrix: 128 × 64 Dots
- ■ Module dimension: 27.3 × 27.3 × 2.72 mm
- ■ Active Area: 21.744 × 11.204 mm
- ■ Pixel Size: 0.148 × 0.148 mm
- ■ Pixel Pitch: 0.17 × 0.17 mm
- ■ Display Mode: Passive Matrix
- ■ Display Color: Yellow / Sky Blue
- ■ Drive Duty: 1/64 Duty
- ■ IC: SSD1306
- ■ Interface: I2C
- ■ Size: 0.96 inch
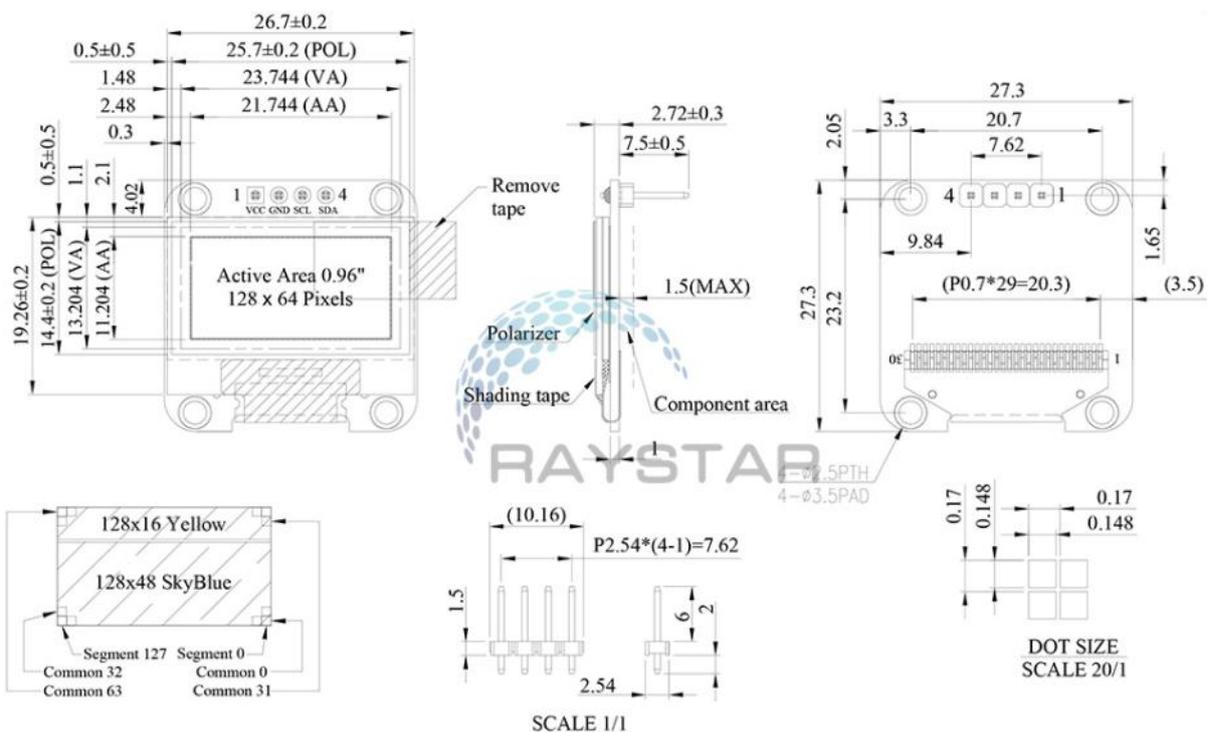
>> Link to REA012864M

## 2. [REX128128D-CTP] 1.18" Round OLED Display Module with Touch Screen

REX128128D-CTP is an Ø1.18" circular graphic OLED display; with capacitive touch screen on module; made of resolution 128x128 dots. This module is built in with SSD1327 IC, it supports 4-line SPI and I2C interface, supply voltage for logic 3V (typical value), 1/128 driving duty. This REX128128D-CTP model is built in with IT7259 touch panel IC on module, which supports I2C interface, one detect point for capacitive touch screen.

This round OLED REX128128D with CTP model is ideal for smart home applications, intelligent technology devices, energy systems, communication systems, medical instrument, etc. This module can be operating at temperatures from -20℃ to +50℃; its storage temperatures range from -30℃ to +70℃.

Specification:

- ■ Module dimension: Ø50.5 × 5.0 mm
- ■ Active area: Ø30.0 mm
- ■ Dot Matrix: 128 × 128
- ■ Pixel size: 0.210 × 0.210 mm
- ■ Pixel pitch: 0.235 × 0.235 mm
- ■ Display Mode：Passive Matrix
- ■ Duty: 1/128 Duty
- ■ Gray Scale: 4 bits
- ■ Display Color: White /Yellow /Sky Blue
- ■ IC: SSD1327
- ■ Interface: 4-line SPI , I2C
- ■ Size: 1.18 inch

- ■ CTP IC: IT7259
- ■ Detect Point: 1
- ■ CTP Interface: I2C
- ■ CTP Surface Hardness: 6H
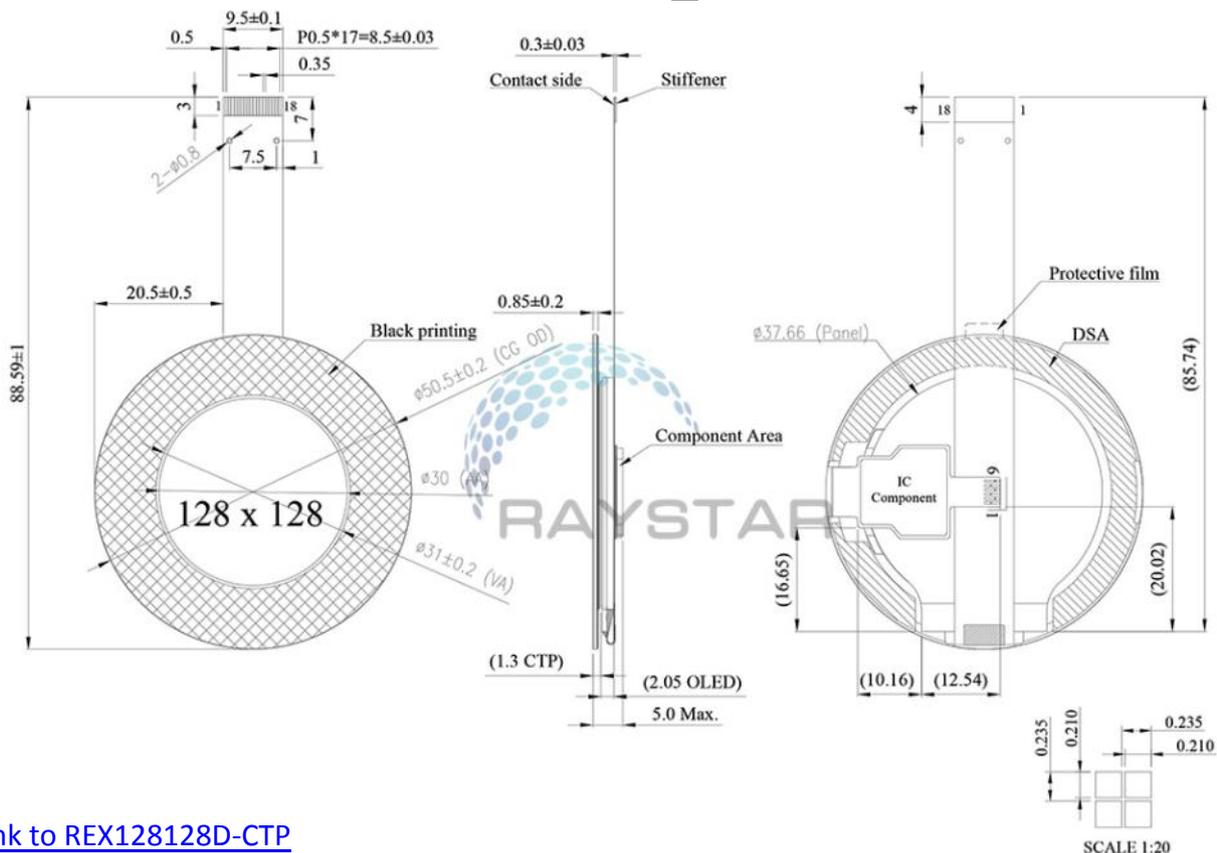
>> Link to REX128128D-CTP

3. [RL0F00050000FGAAASA00] 5" CAN TFT Smart Display with PCAP Touch Screen
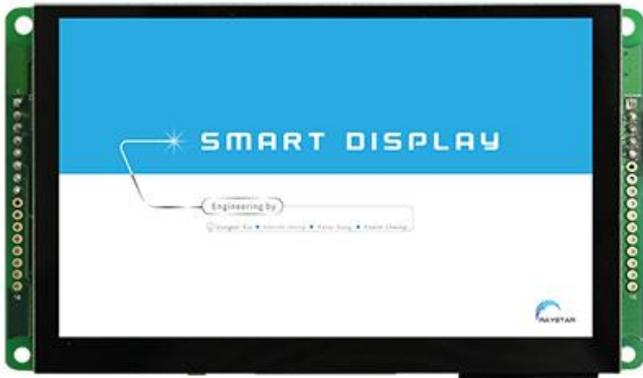
RL0F00050000FGAAASA00 is a 5" Smart Display_CAN TFT which is defined as a slave device, that is controlled by master device via CAN bus command to render display content on the display screen and return touch event data with protocol objects. RL0F00050000FGAAASA00 is integrated with an standard TFT module RFF500F-AYW-DNG and a 4-layers FR4 PCBA with built-in firmware. This 5" CAN TFT smart display is an easy-to-use product which allows you to develop projects rapidly in cost-effective way. Below are the features of RL0F00050000FGAAASA00. Our Smart Display can be used on multiple host (HOST) platforms. such as Computer (with USB2CAN Dongle), MCU, Raspberry Pi (with PiCAN2). RL0F00050000FGAAASA00 modules will be available in early July, as to the demo sets will be available in late July, more details please contact us.

We have three demo scenario as below. More details, please check website.
RL0F00050000FGAAASB00 (Industrial Application)
RL0F00050000FGAAASC00 (Vehicle Application)
RL0F00050000FGAAASD00 (Medical Application)

Features of 5" CAN TFT Smart Display:
1. DC 5V working voltage, low power consumption for USB to drive.
2. Power-On Self-Test & Splash screen.
3. CAN bus Interface.
4. Supports CANopen protocol, default baud rate at 250KB.
5. Built in flash memory, store the font and Object Dictionary Data.
6. Supports PCAP touch screen.
7. CanTFT Smart Display is defined as a slave device, which is controlled by master device via CAN bus command to render display content on the display screen and return touch event data with protocol objects.
8. Demo set HOST can be used on multiple platforms, such as Computer (with USB to CAN Dongle), MCU, Raspberry Pi (with PiCAN2).
9. Built-in Buzzer is controlled from master device.

Mechanical Data:
- LCD panel: 120.7×75.8×4.475 mm
- PCB: 132.7×75.8×1.6 mm
- Housing outline: NA

General information:
- Operating voltage: 5 Vdc
- Interface: CAN bus differential ±3.3 Vpp
- LCD display size: 5 inch

- Dot Matrix: 800×3(RGB)×480 dot
- Module dimension: 120.7×75.8×4.475 mm
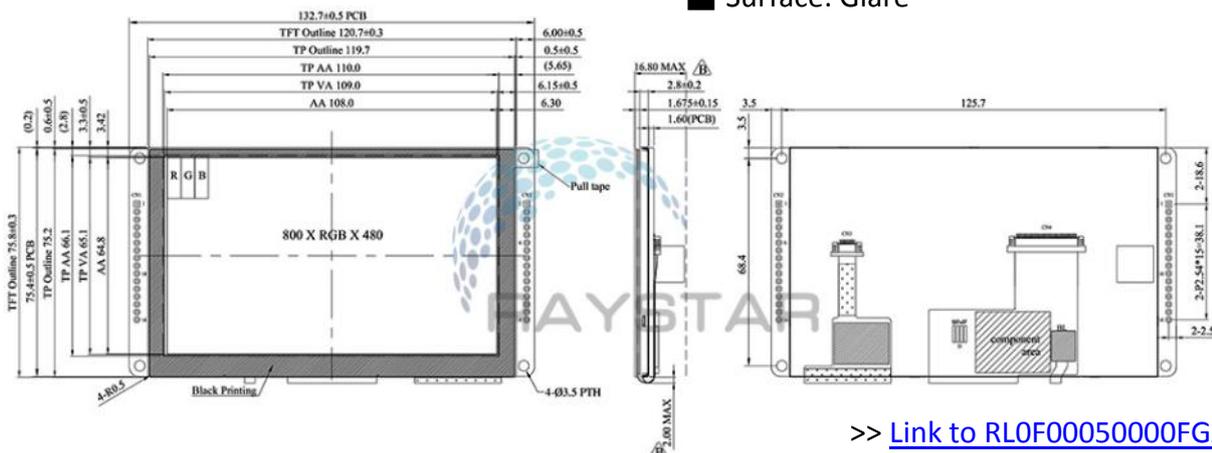- Active area: 108×64.8 mm
- Dot pitch: 0.135×0.135 mm
- LCD type: TFT, Normally Black, Transmissive
- View Direction: 80/80/80/80
- Aspect Ratio: 16:9
- Touch Panel: With PCAP
- Surface: Glare

>> Link to RL0F00050000FGAAASA00

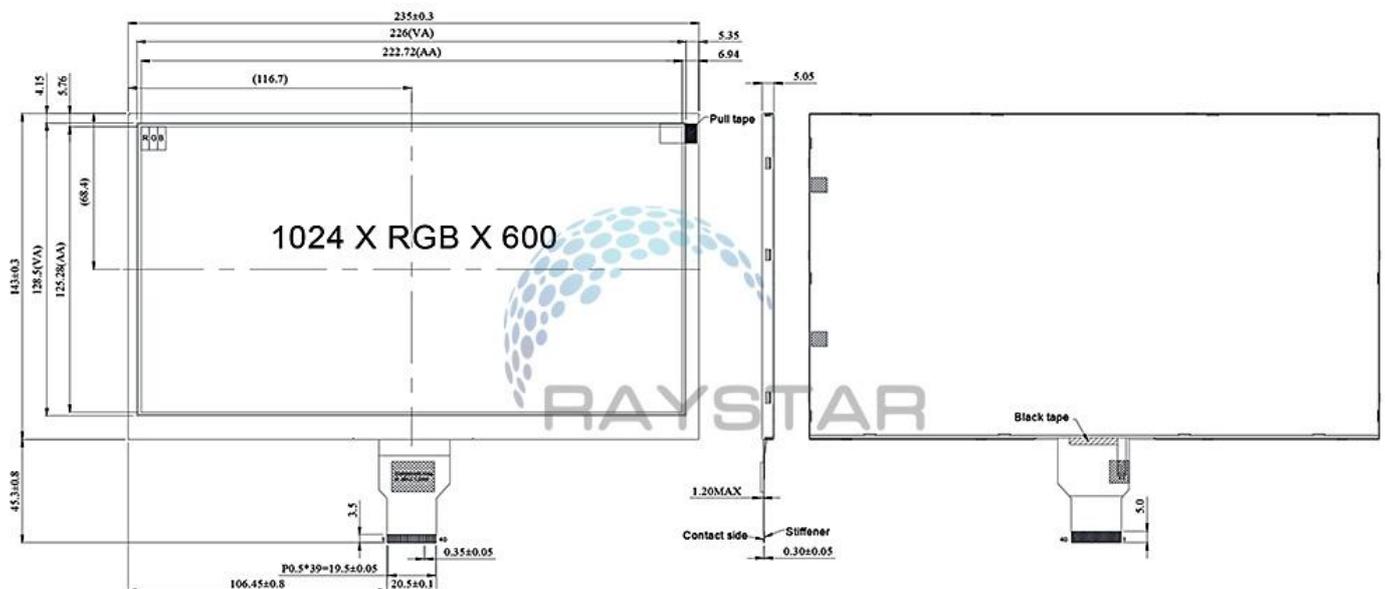# 4. [RFH1010J-AYW-LNN] 10.1" LVDS Interface IPS TFT LCD Display

RFH1010J-AYW-LNN is a landscape mode 10.1 inch IPS TFT LCD module, it featured with resolution 1024x600 pixels. RFH1010J-AYW-LNN is built in with EK79001HN and EK73215BCGA driver ICs, it supports LVDS interface, contrast ratio 800 (typical value), brightness 500 nits (typical value), aspect ratio 16:9, anti-glare surface glass, normally black, transmissive LCD type. This 10.1" IPS TFT has a wider viewing angle than TN TFT, it's view angle is Left:85 / Right:85 / Up:85 / Down:85 degree (typical value).

The supply voltage (VDD) of RFH1010J-AYW-LNN is from 3.0V to 3.6V, typical value 3.3V. It can be operating at temperatures from -20℃ to +70℃ and storage temperatures from -30℃ to +80℃. If customers require high brightness, please choose RFH1010J-AYH-LNN.

Specification:
- Size: 10.1 inch
- Dot Matrix: 1024 RGB $\times$ 600 dots
- Module dimension: 235 $\times$ 143 $\times$ 5.05 mm
- Active area: 222.72 $\times$ 125.28 mm
- Dot pitch: 0.2175 $\times$ 0.2088 mm
- LCD type: TFT, Normally Black, Transmissive
- Interface: LVDS
- Driver IC: EK79001HN+EK73215BCGA
              or equivalent
- Viewing Angle: 85/85/85/85
- Aspect Ratio: 16:9
- Backlight Type: LED, Normally White
- Touch Panel: Without Touch Panel
- Surface: Anti-Glare