



## December 2020

*Dear Customers,*

*Please find below the very latest product information from our manufacturing partner Raystar Optronics, we're excited to introduce these very latest products that are now available from Easby Electronics*

- [1. \[RFA6400E-AWH-MNS\] 4" Sunlight Readable Square TFT LCD Panel 480x480 with RTP](#)
- [2. \[RFA300960A-AYW-DNF1\] 0.96" 80x160 TFT IPS LCD Display with PCAP](#)
- [3. \[REX025664D\] 3.55" 256x64 Graphic OLED Display Support Grayscale](#)
- [4. \[REX160128A\] 1.92" OLED 160x128 OLED Display](#)
- [5. \[REX128128D\] 1.18" 128x128 OLED Knob with Capacitive Touchscreen](#)

Happy holidays to our dear customers! At this time of the year, we'd like to thank all of our partners for being immensely supportive throughout this difficult year.

We are truly grateful to you for choosing us as your display provider and giving us the opportunity to grow & serve you. None of our achievements would have been possible without you and your unwavering support. Christmas and New Year holidays are around the corner, we wish you all the best for your goals, plans, and resolutions as we enter 2021!

# Merry Christmas

Wishing you a fantastic Christmas and Prosperous New Year

from all the team at



## 1. 4" Sunlight Readable Square TFT LCD Panel 480x480 with RTP [RFA6400E-AWH-MNS],

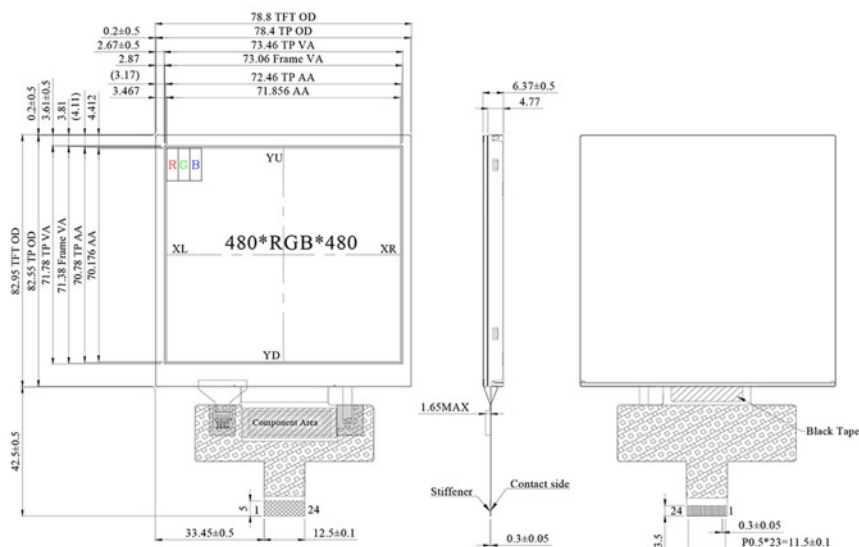
RFA6400E-AWH-MNS is a 480x480 pixels, 4-inch diagonal, 1:1 aspect ratio square TFT LCD module. This module has wider viewing angle due to its IPS panel and features high brightness (700 cd/m<sup>2</sup>) which allows viewers to see clear and sharp image & video in daylight or very bright conditions. It adopts driver IC ST7701S supporting 2-Lane MIPI interface. The monitor also comes with a resistive touch panel (RTP); if you'd like to have module with no touch, the part number is RFA6400E-AWH-MNN.

This TFT module also features wide temperature, operating and storage temperatures both range from -30~+80°C. Due to its advantages of high brightness, wider viewing angle and wide temperature ranges, this TFT LCD is a good fit for applications such as handheld testing devices, medical equipment, smart home appliances, etc.



### Specification:

- Size: 4.0 inch
- Dot Matrix: 480 × 3(RGB) × 480 dots
- Module dimension: 78.8(H) × 82.95 (W) × 6.37 mm
- Active area: 71.856(H) × 70.176 (V) mm
- Pixel pitch: 0.1497(H) × 0.1462(V) mm
- LCD type: TFT, Normally Black, Transmissive
- View Direction: 80/80/80/80
- Aspect Ratio: 1:1
- Interface: 2-Lanes MIPI
- Driver IC: ST7701S or Equivalent
- Backlight Type: LED ,Normally White
- Touch Panel: With RTP
- Surface: Anti-Glare



[CLICK FOR MORE INFO](#)



**Easby  
Electronics**  
part of Easby Group Holdings Ltd

Tel: +44 (0) 1748 850 555 e-mail: [sales@easby.com](mailto:sales@easby.com) Visit: [www.easby.com](http://www.easby.com)

## 2. 0.96" 80x160 TFT IPS LCD Display with PCAP

[RFA300960A-AYW-DNF1]

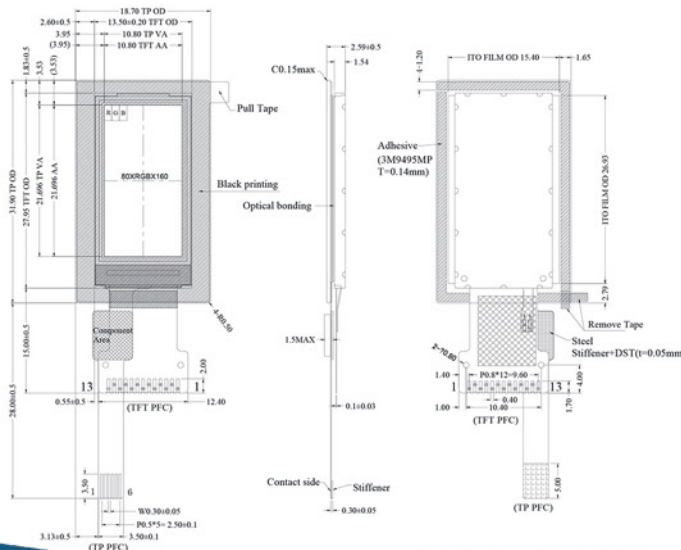
RFA300960A-AYW-DNF1 is a tiny 0.96-inch, 1:2 aspect ratio TFT LCD display with projected capacitive touch panel (PCAP). PCAP touch panel is attached with OCA (Optically Clear Adhesive) bonding technique. Its feature of high transmittance enables the backlight of display panel to penetrate the glass surface more smoothly to: 1) reduce light reflection, 2) increase LCD brightness and contrast ratio, 3) minimize the interference of touch signal.

Thanks to above advantages; the screen's visual performance stands out from other air-bonded screens. This module with 80x160 pixels has wider viewing angle due to its IPS panel. It has built-in IC ST7735S supporting 3-line/4-line SPI interface. The module also comes with PCAP touch panel with IC FT3267 supporting I2C interface and 1-point touch.



### Specification:

- Size: 0.96 inch
- Dot Matrix: 80 × RGB × 160(TFT) dots
- Module dimension: 18.7(W) × 31.9(H) × 2.59(D) mm
- Active area: 10.8 × 21.696 mm
- Dot pitch: 0.135 × 0.1356 mm
- LCD type: TFT, Normally black, Transmissive
- Viewing Angle: 80/80/80/80
- Aspect Ratio: 1:2
- IC: ST7735S or equivalent
- TFT Interface: SPI
- Backlight Type: LED, Normally White
- PCAP Interface: I2C
- PCAP IC: FT3267 or equivalent
- PCAP FW Version: V06
- Touch Panel: With PCAP
- Surface: Glare



[CLICK FOR MORE INFO](#)



**Easby  
Electronics**  
part of Easby Group Holdings Ltd

Tel: +44 (0) 1748 850 555 e-mail: [sales@easby.com](mailto:sales@easby.com) Visit: [www.easby.com](http://www.easby.com)

### 3. 3.55" 256x64 Graphic OLED Display Support Grayscale

[REX025664D]

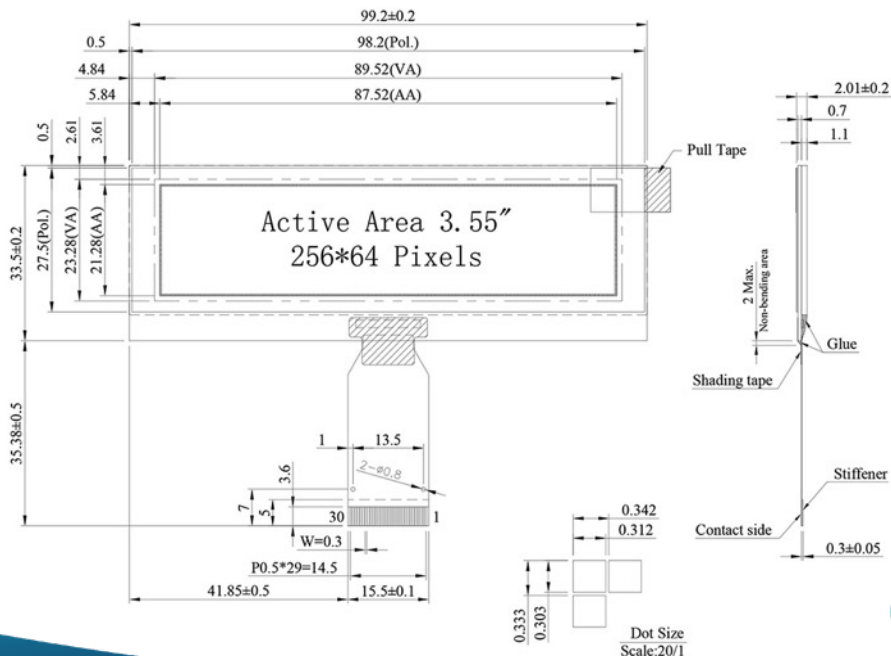
REX025664D is a monochrome COG 3.55", 256x64 Graphic OLED display with built-in SSD1322 controller IC supports 8-bit 6800 / 8-bit 8080 / 3-line / 4-line SPI interfaces. The available emitting colours are white, yellow, and it also features 4-bit grayscale.

The module works within temperature from -40~80°C; storage temperature range is -40~+85°C. This 256x64 OLED display can be used on applications such as intelligent detection, medical equipment and testing equipment.



#### Specification:

- Module dimension: 99.20 × 33.50 × 2.01 mm
- Active area: 87.52 × 21.28 mm
- Dot Matrix: 256 × 64 Dots
- Pixel Size: 0.312 × 0.303 mm
- Pixel Pitch: 0.342 × 0.333 mm
- Display Mode: Passive Matrix
- Duty: 1/64 Duty
- Gray Scale: 4 bits
- Display Color: White / Yellow
- IC: SSD1322
- Interface: 6800,8080,SPI
- Size: 3.55 inch



[CLICK FOR MORE INFO](#)



**Easby  
Electronics**  
part of Easby Group Holdings Ltd

Tel: +44 (0) 1748 850 555 e-mail: [sales@easby.com](mailto:sales@easby.com) Visit: [www.easby.com](http://www.easby.com)



#### 4. 1.92" OLED 160x128 OLED Display

[REX160128A]

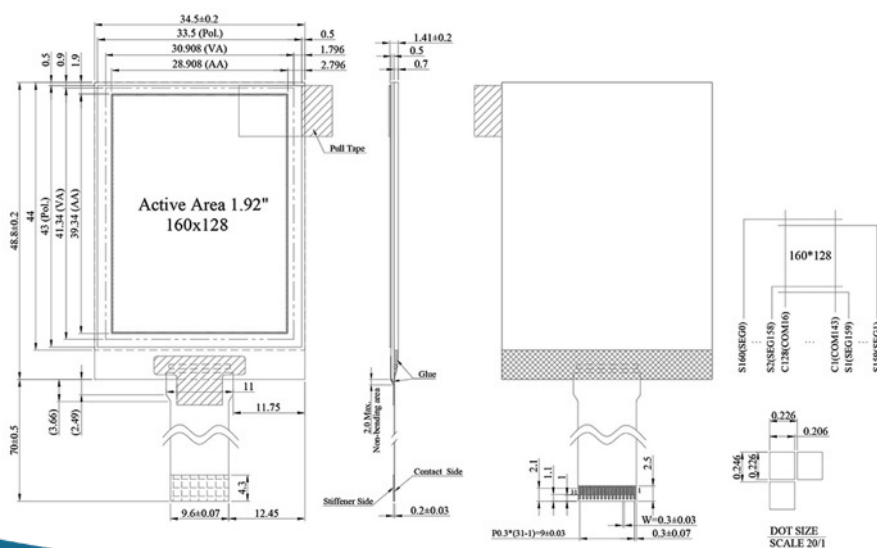
REX160128A, a COG graphic 160x128 OLED display module, features high contrast ratio 10,000 : 1 and wide viewing angle compared to traditional LCD screens.

Logic voltage range is 1.65V-3.5V (typical 3V). The module works within temperature -40°C~+80°C; storage temperature ranges from -40°C~+85°C. There are several emitting colours to choose from, including white, yellow and sky blue.



**Specification:**

- Module dimension:  $34.5 \times 48.8 \times 1.41$ mm
- Active area:  $28.908 \times 39.34$  mm
- Dot Matrix:  $160 \times 128$
- Pixel size:  $0.206 \times 0.226$  mm
- Pixel pitch:  $0.226 \times 0.246$  mm
- Display Mode: Passive Matrix
- Duty: 1/128 Duty
- Display Color: White / Yellow
- IC: SH1108
- Interface: 6800,8080,SPI,I2C
- Size: 1.92 inch



**CLICK FOR MORE INFO**

## 1.18"128x128 OLED Knob with Capacitive Touchscreen

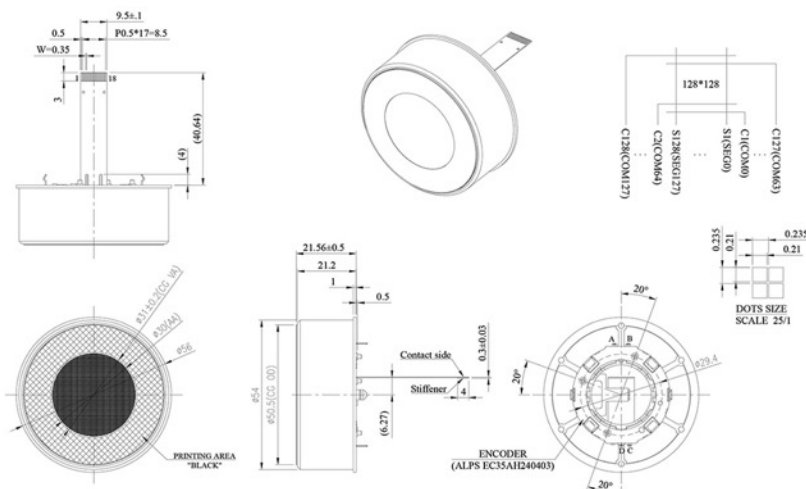
[REX128128D]

Raystar has developed a new OLED rotary switch module which adopts REX128128D COG OLED module with Projected Capacitive Touch Panel (PCAP). The diameter of active area is Ø30.0 mm (1.18" diagonal), and the resolution is 128x128 pixels. This OLED module uses IC SSD1327 supporting 4-line SPI and I2C interfaces. PCAP touch panel with surface hardness 6H uses IC IT7259 which supports I2C interface and 1-point touch.

There are 3 emitting colours to choose from, including white, yellow, sky blue. It also features 4-bit grayscale; there are 16 shades of grey which can represent different intensity information. This OLED switch is suitable for applications that require to be operated through rotation or touch, for instance, coffee maker, audio visual equipment, smart appliances, and so on.

### Specification:

- Module dimension:  $\varnothing 56 \times 21.56$  mm
- Active area:  $\varnothing 30.0$  mm
- Dot Matrix:  $128 \times 128$
- Pixel size:  $0.210 \times 0.210$  mm
- Pixel pitch:  $0.235 \times 0.235$  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



**CLICK FOR MORE INFO**



**Easby Electronics**  
part of Easby Group Holdings Ltd

**Tel:** +44 (0) 1748 850 555 **e-mail:** [sales@easby.com](mailto:sales@easby.com) **Visit:** [www.easby.com](http://www.easby.com)