



**RAYSTAR**

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## **RFE430S-AVW-DNN**

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### **SPECIFICATION**

#### **General Specifications**

- Size: 4.3 inch
- Dot Matrix: 480 x RGB x 272(TFT) dots
- Module dimension: 105.5 x 67.2 x 3.85 mm
- Active area: 95.04 x 53.856 mm
- Dot pitch: 0.066 x 0.198 mm
- LCD type: TFT, Normally Black, Transmissive
- View Direction: Wide View
- Aspect Ratio: 16:9
- Backlight Type: LED, Normally White
- With /Without TP: Without TP
- Surface: Anti-Glare

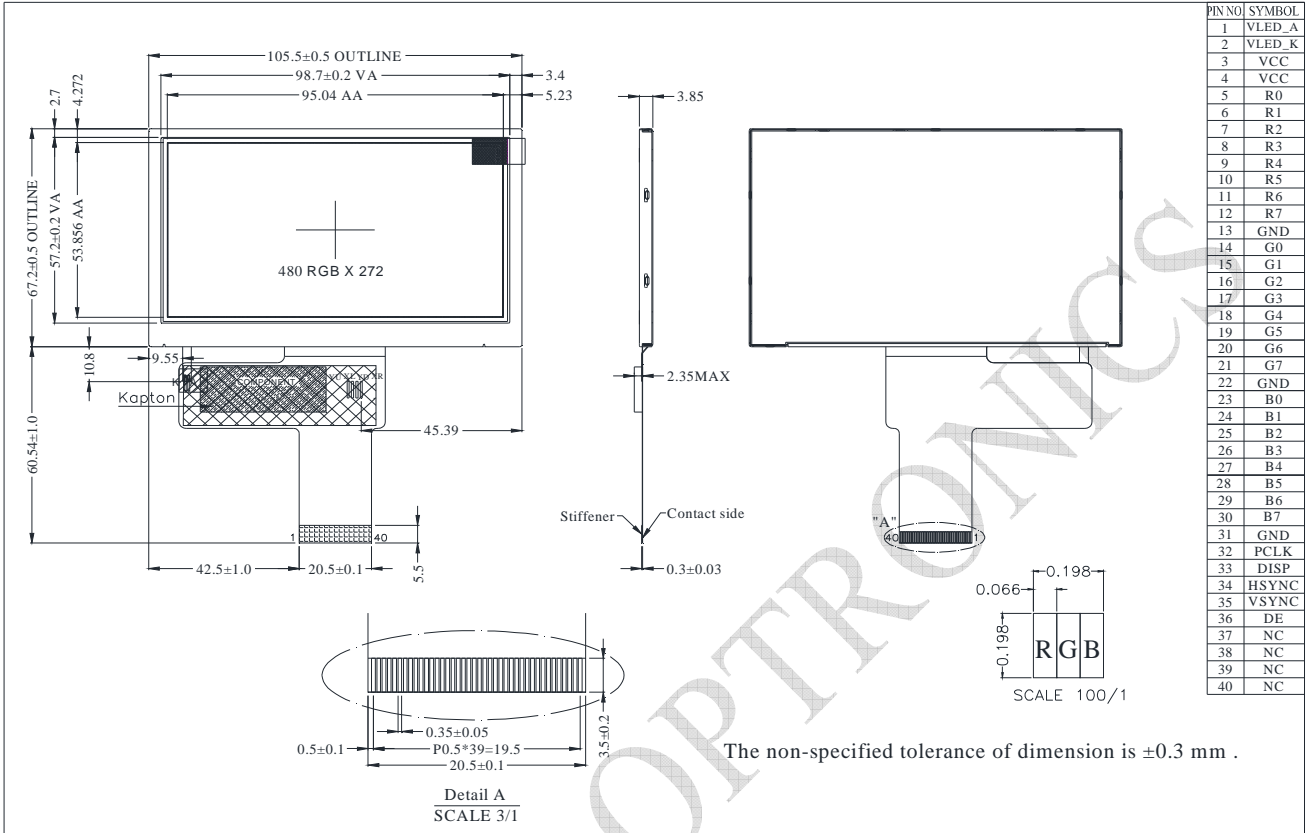
\*Color tone slight changed by temperature and driving voltage.

## Interface

### 1. LCM PIN Definition

Pin	Symbol	Function
1	VLED_A	Power for LED backlight anode
2	VLED_K	Power for LED backlight cathode
3	VCC	Power voltage
4	VCC	Power voltage
5	R0	Red data (LSB)
6	R1	Red data
7	R2	Red data
8	R3	Red data
9	R4	Red data
10	R5	Red data
11	R6	Red data
12	R7	Red data (MSB)
13	GND	Power ground
14	G0	Green data (LSB)
15	G1	Green data
16	G2	Green data
17	G3	Green data
18	G4	Green data
19	G5	Green data
20	G6	Green data
21	G7	Green data (MSB)
22	GND	Power ground
23	B0	Blue data (LSB)
24	B1	Blue data
25	B2	Blue data
26	B3	Blue data
27	B4	Blue data
28	B5	Blue data
29	B6	Blue data
30	B7	Blue data (MSB)
31	GND	Power ground
32	PCLK	Pixel clock
33	DISP	Display on/off
34	HSYNC	Horizontal sync signal; negative polarity
35	VSYNC	Vertical sync signal; negative polarity
36	DE	Data Enable
37	NC	No connection
38	NC	No connection
39	NC	No connection
40	NC	No connection

# Contour Drawing



## Absolute Maximum Ratings

Item	Symbol	Min	Typ	Max	Unit
Operating Temperature	TOP	-30	—	+80	°C
Storage Temperature	TST	-40	—	+80	°C

## Electrical Characteristics

### 1. Operating conditions

Item	Symbol	Condition	Min	Typ	Max	Unit
Supply Voltage For Logic	VCC	—	3.0	3.3	3.6	V
Digital operation current	ICC	-		17	25	mA

### 2. LED driving conditions

Parameter	Symbol	Min	Typ	Max	Unit
LED current		-	40	-	mA
Power Consumption		-	-	-	mW
LED voltage	VLED+	17.0	18.6	21.0	V
LED Life Time		-	50,000	-	Hr