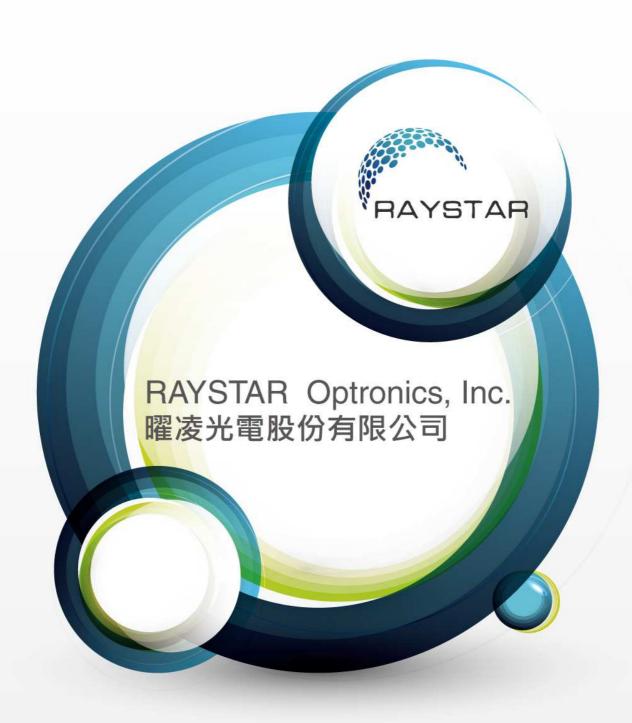
OLED DISPLAY SPECIFICATION





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SPECIFICATION

Model No: REP012864U-CTP

General Specification

The Features is described as follow:

■ Module dimension: 82.0 × 47.5 × 8.65 Max.mm

Active area: 61.41 x 30.69 mm

■ Dot Matrix: 128 x 64 Dots

■ Pixel Size:0.45 x 0.45 mm

■ Pixel Pitch: 0.48 x 0.48 mm

Display Mode: Passive Matrix

■ Duty: 1/64 Duty

■ Gray Scale: 4 bits

Display Color: Monochrome

■ OLED IC: SSD1357

OLED Interface: 8-bits 6800 and 8080 parallel, 4-line SPI, I2C

■ Size: 2.7 inch

■ CTP IC: GT911

■ Detect Point:1

CTP Interface: I2C

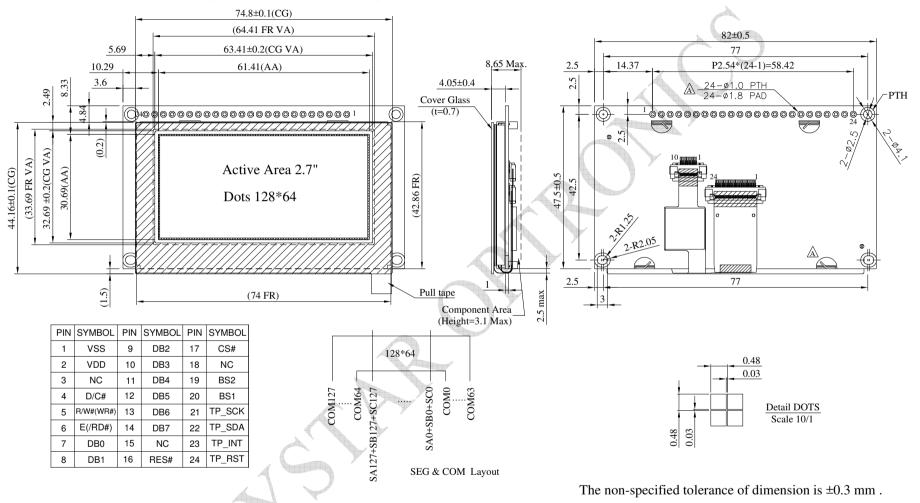
Surface: Normal Glare

Interface Pin Function

No.	Symbol	Function				
1	VSS	This is a ground pin.				
2	VDD	Power supply pin for core logic operation				
3	NC	Reserved Pin The N.C. pin between function pins is reserved for compatible and flexible design.				
4	D/C#	This pin is Data/Command control pin connecting to the MCU. When the pin is pulled HIGH, the data at D[7:0] will be interpreted as data. When the pin is pulled LOW, the data at D[7:0] will be transferred to a command register. In I2C mode, this pin acts as SA0 for slave address selection. When 3-wire serial interface is selected, this pin must be connected to VSS.				
5	R/W# (WR#)	This pin is read / write control input pin connecting to the MCU interface. When 6800 interface mode is selected, this pin will be used as Read/Write (R/W#) selection input. Read mode will be carried out when this pin is pulled HIGH and write mode when LOW. When 8080 interface mode is selected, this pin will be the Write (WR#) input. Data write operation is initiated when this pin is pulled LOW and the chip is selected. When serial or I2C interface is selected, this pin must be connected to VSS.				
6	E/RD#	This pin is MCU interface input. When 6800 interface mode is selected, this pin will be used as the Enable (E) signal. Read/write operation is initiated when this pin is pulled HIGH and the chip is selected. When 8080 interface mode is selected, this pin receives the Read (RD#) signal. Read operation is initiated when this pin is pulled LOW and the chip is selected. When serial or I2C interface is selected, this pin must be connected to VSS.				
7	DB0	The consists and his directional data has a consenting to the NACLI data has				
8	DB1	These pins are bi-directional data bus connecting to the MCU data bus.				
9	DB2	Unused pins are recommended to tie LOW.				
10 11	DB3 DB4	When serial interface mode is selected, D0 will be the serial clock input: SCLK; D1 will be the serial data input: SDIN.				
12	DB5	When I2C mode is selected, D2, D1 should be tied together and serve as				
13	DB6	SDAout, SDAin in application and D0 is the serial clock input, SCL.				
14	DB7	ODAGE, ODAGE III application and Do is the serial clock input, OCL.				
15	NC	No connection				

16	RES#	This pin is reset signal input. When the pin is pulled LOW, initialization of the chip is executed. Keep this pin pull HIGH during normal operation.				
17	CS#	Chip Select This pin is the chip select input. The chip is enabled for MCU communication only when CS# is pulled low.				
18	NC	No connection				
19	BS2	Communicating Protocol Select.				
20	BS1	I hese pins are MCU in I2C 4-wire Serial 8-bit 8080 Parallel 8-bit 6800 Parallel	BS1 1 0 1	See the following table: BS2		
21	TP_SCK	I2C clock signal				
22	TP_SDA	I2C data signal				
23	TP_INT	Interrupt signal, active low, asserted to request Host start a new transaction				
24	TP_RST	External reset signal, active low				

Contour Drawing & Block Diagram



Absolute Maximum Ratings

Parameter	Symbol	Min	Max	Unit
Supply Voltage for Logic	VDD	-0.3	4.0	V
Operating Temperature	TOP	-20	+70	°C
Storage Temperature	TSTG	-30	+80	°C

Electrical Characteristics

DC Electrical Characteristics

Item	Symbol	Condition	Min	Тур	Max	Unit
Supply Voltage for Logic	VDD	-	2.8	3.0	3.3	V
High Level Input	VIH	_ >	0.8×VDD	_	_	V
Low Level Input	VIL	_	_	_	0.2×VDD	V
High Level Output	VOH	_	0.9×VDD	_	_	V
Low Level Output	VOL	_	_	_	0.1×VDD	V
50% Check Board operating Current	IDD	VDD =3V	_	160	240	mA