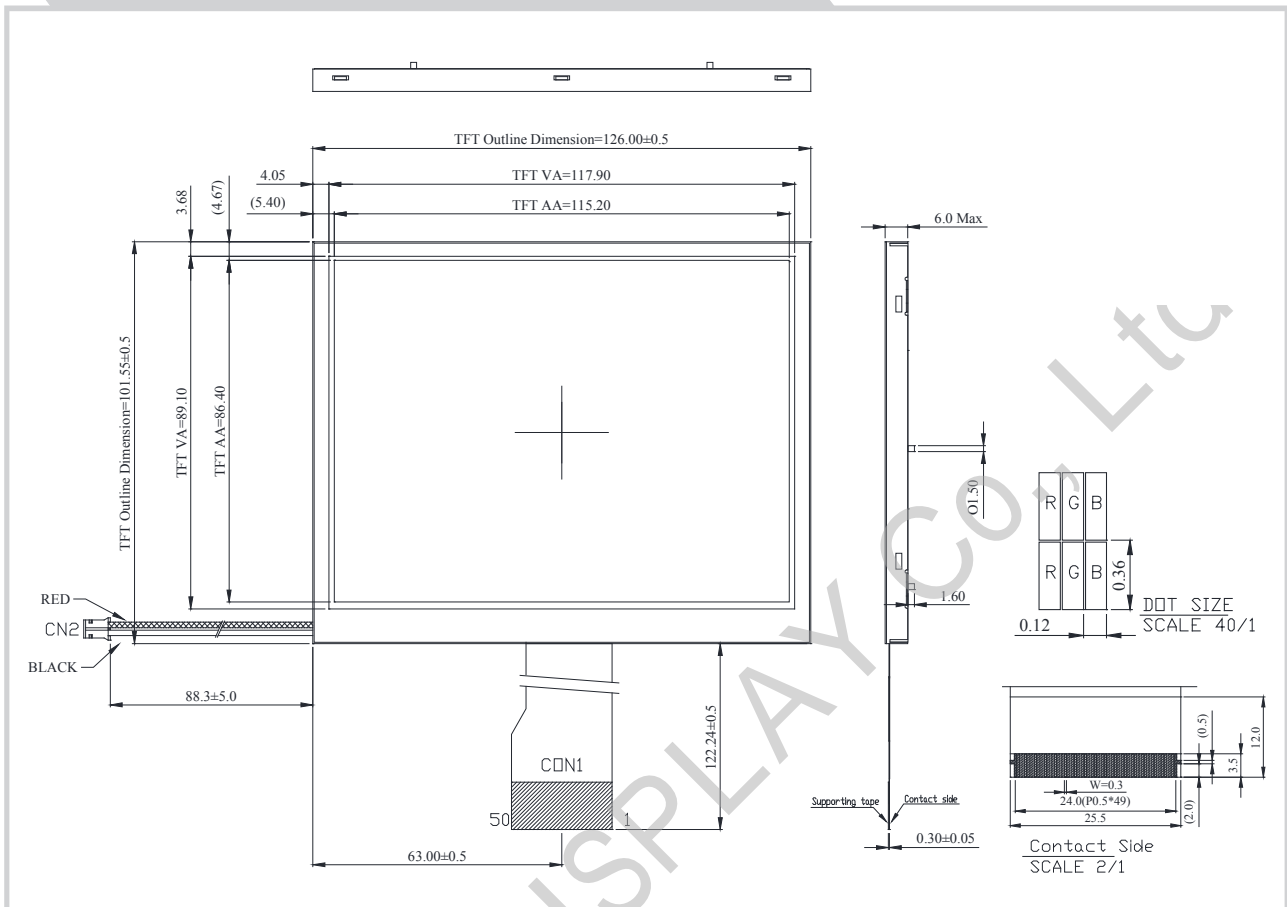


## WF57D TFT Graphic 320x240 dots



### Feature

- 5.7 inches Color TFT
- Dot Matrix: 320xRGBx240
- View Direction: 12 o'clock
- Gray Scale Inversion Direction: 6 o'clock
- +3.3V power supply of VCC
- Option Control-board/RTP/CTP
- Interface : RGB 888(DE, SYNC)

Pin No	Symbol	function
1	IF1	Input data format control
2	IF2	
3	POL	Polarity Signal connect to VCOM driving circuit.
4	RESET	Hardware reset
5	SPENA	Chip select
6	SPCL	Serial Clock
7	SPDA	Serial Data
8~15	B0~7	Blue Data bit
16~23	G0~7	Green Data bit
24~31	R0~7	Red Data bit
32	Hsync	Horizontal synchronous signal
33	Vsync	Vertical synchronous signal
34	Data CLK	Dot data clock
35~36	AVDD	Analog power: 4.5V~5.5V
37~38	VCC	Digital power: 3V~3.6V
39	NPC	NTSC/PAL mode Auto detection result H:NTSC/L:PAL
40~41	VGL	Gate off power
42	UD	Up/down selection
43	VGH	Gate on power
44	LRC	Shift direction of device internal shift register control.
45	GND	System ground pin of the IC.
46~47	VCOM	VCOM driving input
48	ENB	Signal to settle the horizontal display position
49~50	GND	System ground pin of the IC.

### Mechanical Data

Item	Standard Value	Unit
Module Dimension	126.0 x 101.55	mm
Viewing Area	117.9 x 89.1	mm
Active Area	115.20 x 86.40	mm
Dot Pitch	0.12 x 0.36	mm

### Electrical Characteristics (Operating conditions)

Item	Symbol	Min	Typ	Max	Unit
Supply Voltage	VCC	3	3.3	3.6	V
Supply Current	ICC	---	17	25	mA

### Electrical Characteristics (B/L driving conditions)

Parameter	Symbol	Min	Typ	Max	Unit
LED Voltage	VBL+	9	---	10.5	V
LED Current	---	---	140	---	mA

# 1. Module Classification Information

W F    57    D    T    I    A    C D A #  
① ②        ③    ④    ⑤    ⑥    ⑦    ⑧ ⑨⑩ ⑪

- ① Brand : WINSTAR DISPLAY CORPORATION
- ② Display Type : H→Character Type, G→Graphic Type F→TFT Type
- ③ Display Size : 5.7" TFT
- ④ Model serials no.
- ⑤ Backlight Type : F→CCFL, White                      T→LED, White
- ⑥ LCD Polarize                    A→Reflective, N.T, 6:00                    H→Transflective, W.T,6:00  
Type/ Temperature               D→Reflective, N.T, 12:00                    K→Transflective, W.T,12:00  
range/ Gray Scale                   G→Reflective, W. T, 6:00                    C→Transmissive, N.T,6:00  
Inversion Direction                J→Reflective, W. T, 12:00                    F→Transmissive, N.T,12:00  
   B→Transflective, N.T,6:00                    I→Transmissive, W. T, 6:00  
   E→Transflective, N.T.12:00                    L→Transmissive, W.T,12:00
- ⑦ A: TFT LCD  
   B: TFT+FR+CONTROL BOARD  
   C: TFT+FR+A/D BOARD  
   D:TFT+FR+A/D BOARD+CONTROL BOARD
- ⑧ Solution: A: 128160    B:320234    C:320240    D:480234
- ⑨ D: Digital      A: Analog
- ⑩ Version
- ⑪ Special Code               #:Fit in with ROHS directive regulations

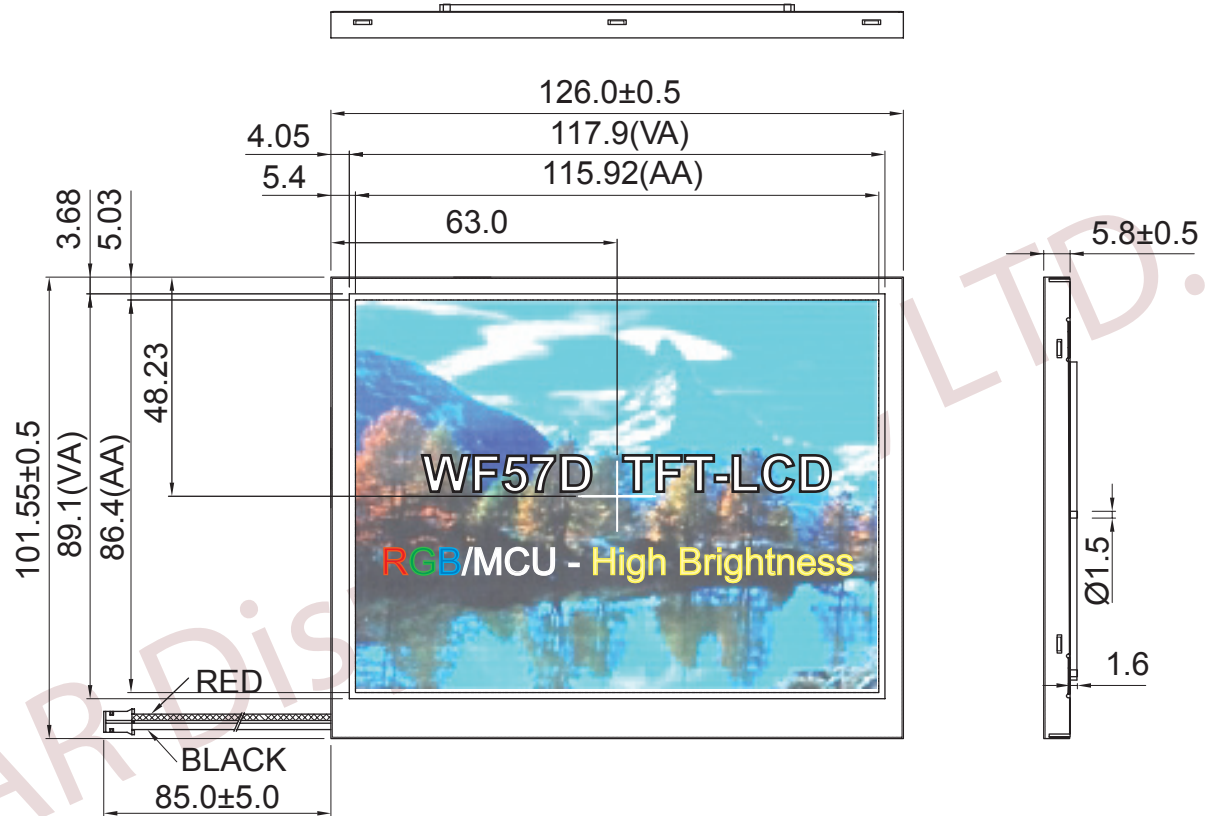
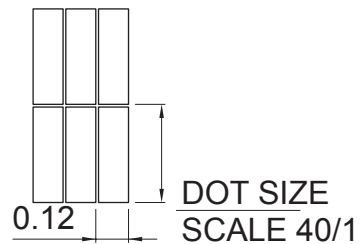
## SUMMARY

This technical specification applies to 5.7" color TFT-LCD panel. The 5.7" color TFT-LCD panel is designed for industry, vehicle application and other electronic products which require high quality flat panel displays. This module follows RoHS.

## FEATURES

High Resolution: 230,400 Dots (320 RGB x 240). Image Reversion: Up/Down and Left/Right.

Item	Dimension	Unit
Dot Matrix	320 RGBx240(TFT)	dots
Screen size (inch)	5.7 inch	
Module dimension	126.00x 101.55 x 6.3 (Max)	mm
Active area	115.25 x 86.4	mm
Dot pitch	0.12 x 0.36	mm
Color configuration	RGB-Strip	
Interface	Digital 24-bits RGB	
Controller/driver IC	HX8218-A+HZ8615A (or compatible)	
LCD type	TFT, Negative, Transmissive	
View Direction	12 o'clock	
Gray Scale Inversion Direction	6 o'clock	
Backlight Type	LED, Normally White	



### WF57D TFT-LCD Modules

- 5.7" 320 x 240 Pixel TFT-LCD with Digital Interface
- Optional built in control board
- Option for 8 bits & 16 bits
- Optional available with Touch Panel
- LED-Backlight

The non-specified tolerances of dimensions is  $\pm 0.2\text{mm}$

Distributed by



**WINSTAR** TFT TYPE LCD

Tel.: +49 89 89979764

Email: info@dst-gmbh.de

Fax: +49 89 89979765

Internet: www.dst-gmbh.de