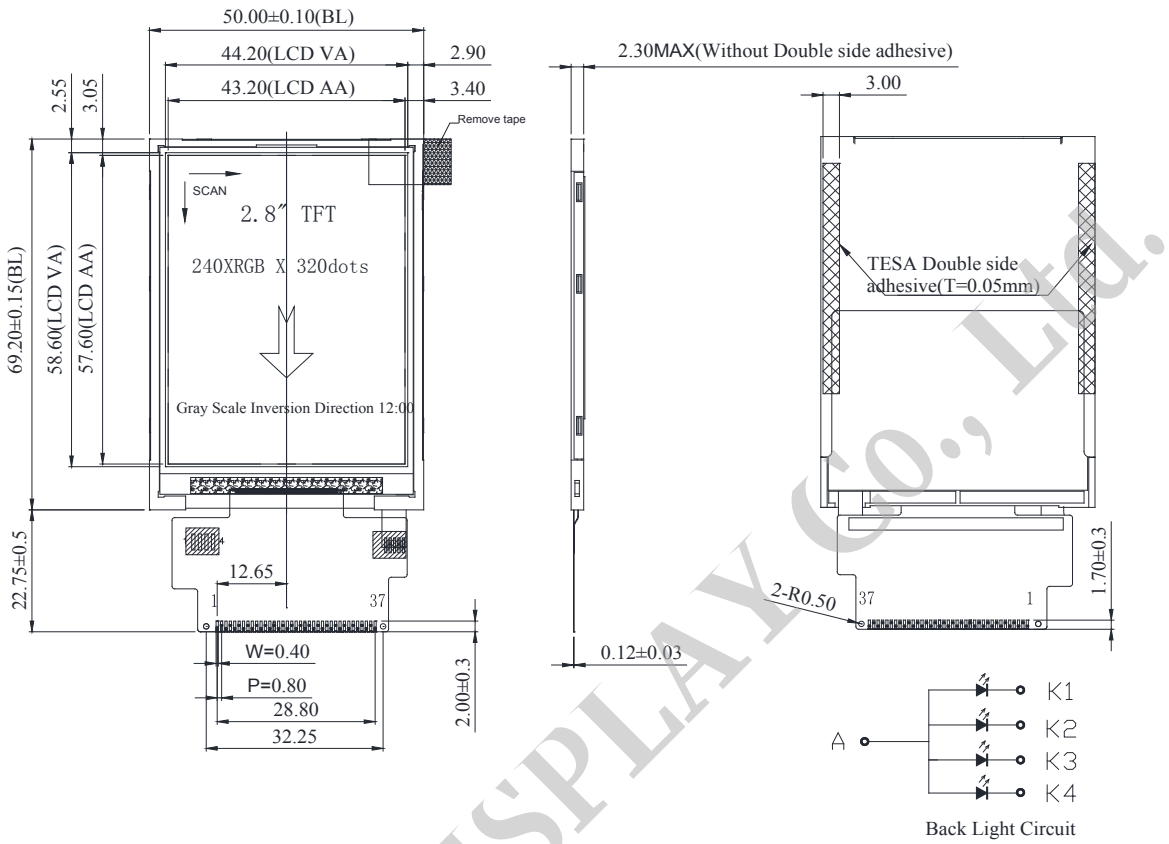
WF28D TFT Graphic 240x320 dots



WINSTAR DISPLAY Co., Ltd.

Feature

1. 2.8 inches Color TFT
2. Dot Matrix: 240xRGBx320
3. View Direction: 6 o'clock
4. Gray Scale Inversion Direction: 12 o'clock
5. +3.3V(Max) power supply of VCC/VCCIO
6. Interface : 16/8-bit (8080)

Pin No.	Symbol	function
1	DB8	Ground
2~4	DB9~11	Data bus
5	GND	Ground
6	IOVCC	power supply
7	/CS	Chip select signal.
8	RS	register select
9	/WR	Write data when WRX is Low.
10	/RD	Read strobe signal. Read out data when RDX is Low.
11	GND	Ground
12~15	NC	No connection
16	LEDA	Anode of LED backlight.
17~20	LEDK1~4	Cathode of LED backlight.
21	IM0	IM0=1 8Bit DB8-15; IM0=0 16Bit DB0-DB15;
22	DB12	Data bus
23~29	DB0~6	Dara bus
30	DB7	System reset pin.
31	/RESET	
32~33	VCI	power supply
34	GND	Ground
35~37	DB13~15	Data bus

Mechanical Data

Item	Standard Value	Unit
Module Dimension	50.0 x 69.2	mm
Viewing Area	44.2 x 58.6	mm
Active Area	43.2 x 57.6	mm
Dot Pitch	0.06 x 0.18	mm

Electrical Characteristics (Operationg conditions)

Item	Symbol	Min	Typ	Max	Unit
Supply Voltage For Analog	VCC	2.5	---	3.3	V
Supply Voltage For Logic	VCCIO	1.65	---	3.3	V
Supply Current	ICC	---	9	---	mA

Electrical Characteristics (B/L driving conditions)

Parameter	Symbol	Min	Typ	Max	Unit
LED Voltage	VBL+	2.8	3.2	3.4	V
LED Current	---	---	80	---	mA