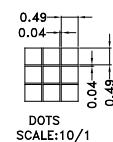
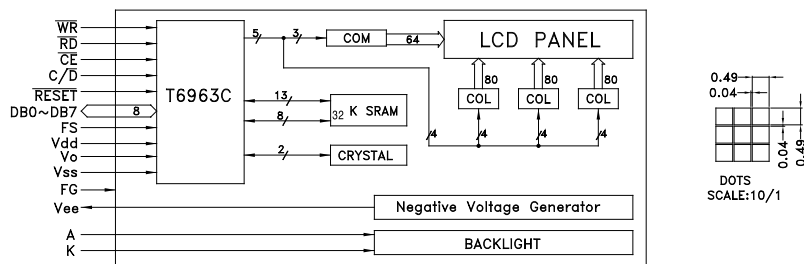


The tolerance unless classified  $\pm 0.3\text{mm}$



**Features:**

- ◀ Resolution: 240S\*64C Dots
- ◀ Duty ratio: 1/64
- ◀ LCD option: STN, FSTN
- ◀ Backlight option(H2/H1mm):LED (9.2/13.3)
- ◀ Controller IC:T6963C or equivalent

**Optional:**

- PG 24064-E-P3, with touch panel
- White LED backlight version available

Pin Assignment		
Pin no.	Symbol	Function
1	FG	Frame ground
2	Vss	Power supply(GND)
3	Vdd	Power supply(+)
4	Vo	Contrast Adjust
5	WR	Data write
6	RD	Data read
7	CE	Chip enable
8	C/D	Command / data select
9	Vee	Negative voltage
10	Reset	Reset
11-18	DB0-DB7	Data bus line
19	FS	Font selection
20	A	LED B/L (Anode)

Absolute Maximum Rating									
Item	Symbol	Condition	Min.	Max.	Units				
Supply for logic voltage	Vdd-Vss	25°C	-0.3	7.0	V				
LCD driving supply voltage	Vdd-Vee	25°C	6.0	28.0	V				
Input voltage	Vin	25°C	-0.3	Vdd+0.3	V				
Electrical Characteristics									
Item	Symbol	Condition	Min.	Typical	Max.	Units			
Power supply voltage	Vdd-Vss	25°C	4.5	5.0	5.5	V			
LCD operation voltage	Vop	Top	N	W	N	W	V		
		-20°C	-	12.0	-	12.3	-	12.6	V
		0°C	-	-	-	-	-	-	V
		25°C	-	11.4	-	11.7	-	12.0	V
		50°C	-	-	-	-	-	-	V
		70°C	-	10.2	-	10.5	-	10.8	V
LCM current consumption (No B/L)	Idd	Vdd=5V	-	10.0	20.0	mA			
Backlight current consumption	LED/edge	VB/L=4.2V	-	140	-	mA			
	LED/array	VB/L=4.2V	-	-	-	mA			