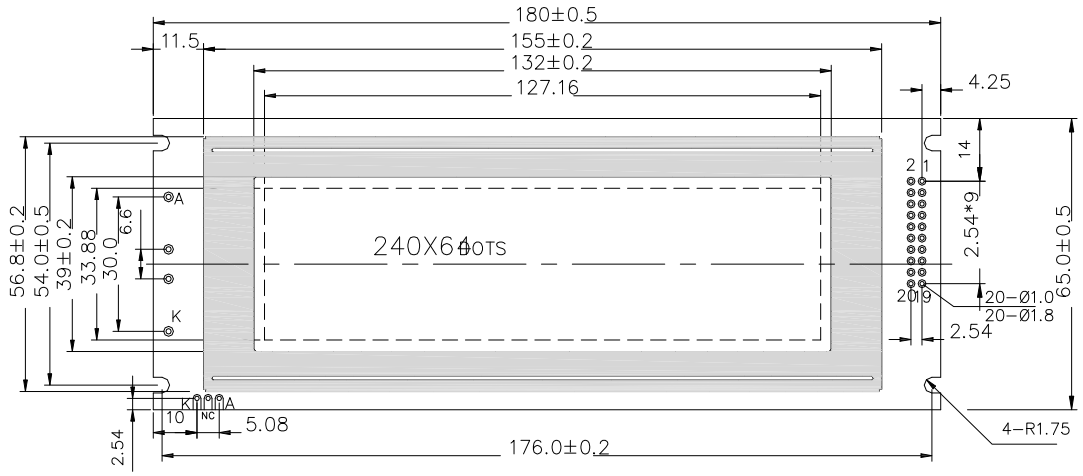
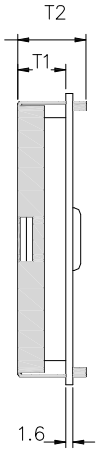
LONGTECH OPTICS

LGM240644A

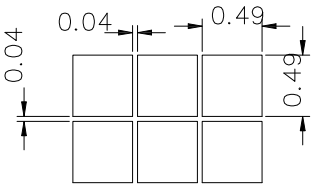
Pin connections

Pin	Symbol
1	FGND
2	VSS
3	VDD
4	V0
5	/WR
6	/RD
7	/CE
8	C/D
9	VEE
10	/RES
11~18	DB0~DB7
19	FS
20	LED+

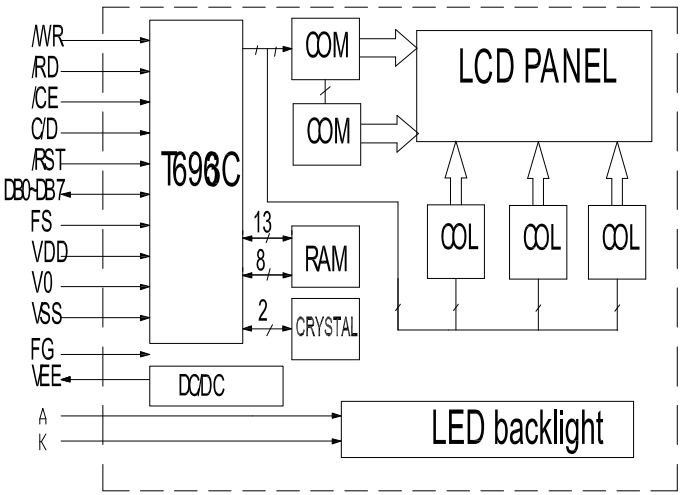




DOTS DETAIL



Block diagram



Feature

1. 240dots X 64dots matrix.

2. Built-in controller (T6963C)

3. Interface with 8-bit ;5V power supoly

4. 5V;1/64Duty cycle, 1/9Bias.

5. Display Mode & Backlight Variations.

6. ROHS Compliant

Mechanical thickness

LCD module	T1	T2	Unit
Without or EL	*4.8*	*10.0*	*mm*
Edge backlight	*11*	*16.0*	*mm*
Bottom backlight	*11*	*16.0*	*mm*

Mechanical data

Item	Standard	Unit
Module size	*180.0X65.0*	*mm*
View area	*132.0X39.0*	*mm*
Dot size	*0.49X0.49*	*mm*
Area size	*127.16X33.88*	*mm*

Maximum Absolute Power Ratings

Item	Symbol	Standard			Unit
		Min	Typ	Max	
Input voltage	*Vdd*	*-0.3*	*---*	*5.5*	*V*
Power supply	*Vin*	*-0.3*	*---*	*VDD*	

Electronical characteristics

Item	Symbol	Condition	Standard			Unit
			Min	Typ	Max	
Operating voltage	V_{DD}	V_{DD}=5.0V	*4.5*	*5.0*	*5.5*	*V*
Operating current	I_{DD}	V_{DD}=5.0V	*---*	*7.2*	*8*	*mA*
Recommended LCD driving voltage for normal temp module	V_{LCD}	T_A=+25 ℃	*---*	*12.4*	*---*	*V*
		T_A=0 ℃	*---*	*12.6*	*---*	
		T_A=-20 ℃	*---*	*12.9*	*---*	
Backlight voltage	V_{LED}	*Y-G*	*---*	*4.2*	*---*	*V*
Backlight current	I_{LED}	V_{LED}=4.2V	*---*	*450*	*---*	*mA*
Operating temperature	T_o	*---*	*-20*	*---*	*70*	*℃*
Storage temperature	T_S	*---*	*-30*	*---*	*80*	