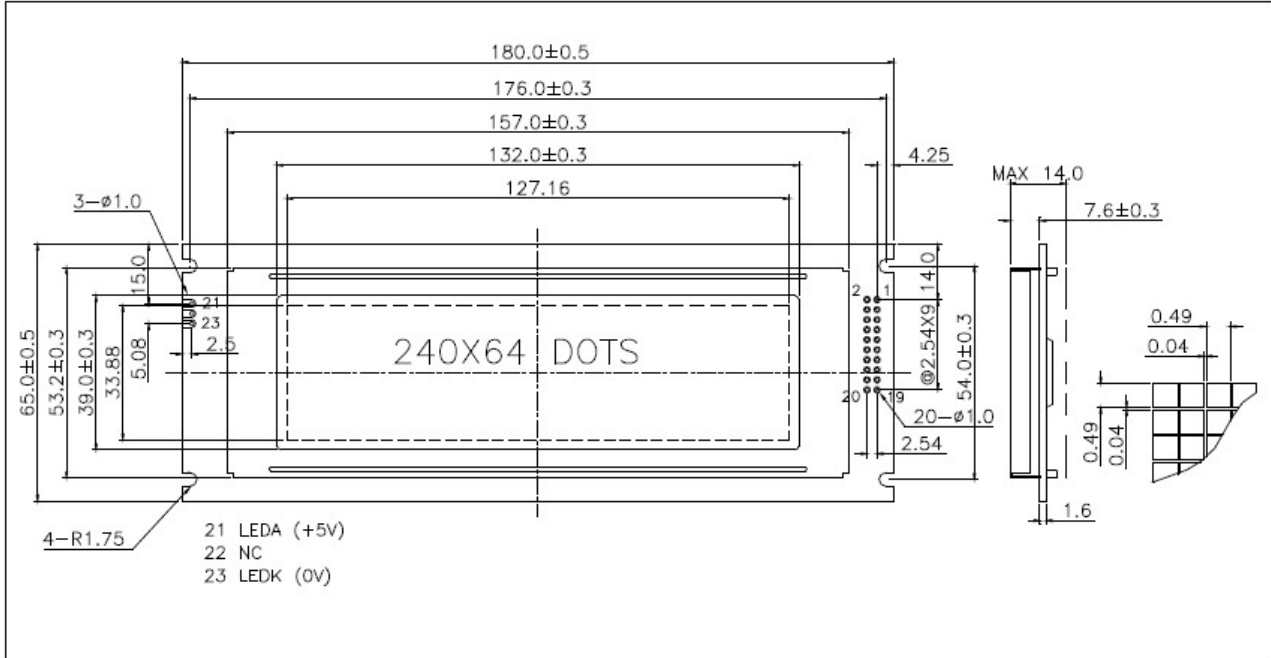
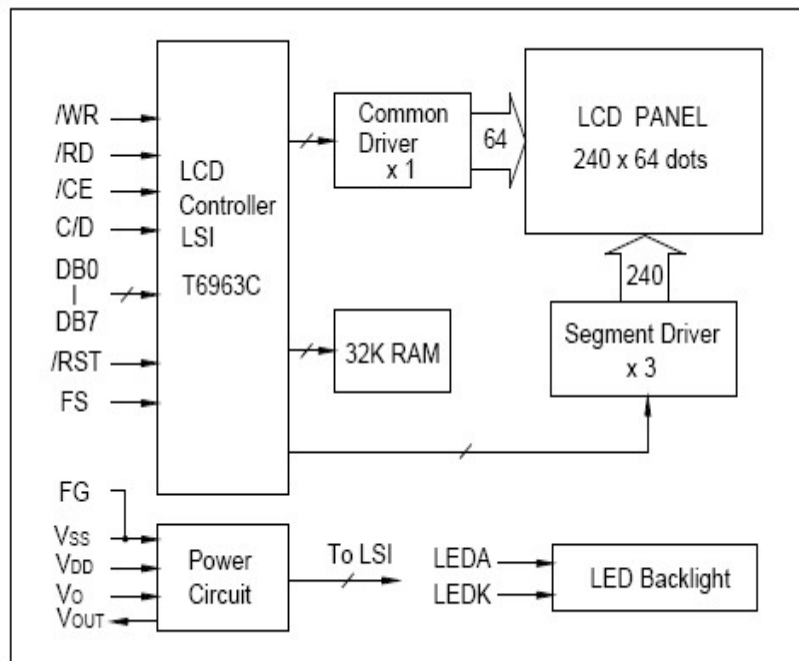


1.0 DIMENSIONAL DRAWING



2.0 BLOCK DIAGRAM



3.0 ELECTRICAL CHARACTERISTICS Ta=25 °C VDD=5.0V±0.25V

Item	Symbol	Test Condition	Standard Value			Unit
			Min.	Typ.	Max.	
Input High Voltage	V _{IH}	—	V _{DD} - 2.2	—	V _{DD}	V
Input Low Voltage	V _{IL}	—	- 0.3	—	0.8	V
Output High Voltage	V _{OH}	—	V _{DD} - 0.3	—	V _{DD}	V
Output Low Voltage	V _{OL}	—	0	—	0.3	V
Supply Current	I _{DD}	V _{DD} =5.0V	—	16.0	20.0	mA
LCD Driving Voltage	V _{DD} - V _O	Ta=25°C	—	12.7	—	V

4.0 ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Standard Value		
		Min.	Max.	Unit
Supply Voltage (Logic)	VDD - VSS	-0.3	7.0	V
Supply Voltage (LCD)	VDD - Vo	-0.3	25.0	V
Input Voltage	Vi	-0.3	VDD+0.3	V
Operating Temp	Top.	-20	70	°C
Storage Temp	Tst.	-30	80	°C

5.0 PIN ASSIGNMENT

PIN NO.	NAME	RECOMMEND CONNECTION
1	FG	Frame ground
2	VSS	GND
3	VDD	Power Supply for logic
4	Vo	Operating Supply for LCD
5	/WR	Write signal, active "L"
6	/RD	Read signal, active "L"
7	/CE	Chip enable signal, active "L"
8	C/D	L: Data; H: Instruction code
9	NC	No connection
10	/RST	Reset signal, active "L"
11	DB0	Data bus line
12	DB1	
13	DB2	
14	DB3	
15	DB4	
16	DB5	
17	DB6	
18	DB7	
19	FS	Font selection L: 8×8, H: 6×8
20	VoUT	Output Voltage for LCD driving

Remark

1. LCD option: STN, FSTN .
2. Customized module.
3. Backlight option: EL backlight feature, other specs not available on catalog is under request.