



Interface		
Pin no	Symbol	Function
1	FG/VEE	Negative Voltage
2	VSS	Power supply (GND)
3	VDD	Power supply(+)
4	VO	Contrast Adjustment
5	/WR	Data write
6	/RD	Data read
7	/CE	Enable Signal
8	/CD	COMMAND/DATA selection
9	/RST	External reset pin
10	DB0	Date bus line
11	DB1	Date bus line
12	DB2	Date bus line
13	DB3	Date bus line
14	DB4	Date bus line
15	DB5	Date bus line
16	DB6	Date bus line
17	DB7	Date bus line
18	FS	Pins for selection of font
19	A	LED B/L (+)
20	K	LED B/L (-)

Feature			
Controller	T6963C	Module	78 x 70
Duty	1/64 duty	Viewing Area	62 x 44
Bias	1/9 bias	Mounting hole	68 x 65
B/L	WHITE	Character Size	0.39 x 0.55

Absolute Maximum Rating					
I tem	Symbol	Condition	Min	Max	Units
Supply for logic voltage	Vdd-Vss	25°C	-0.3	7	V
LCD driving supply voltage	Vdd-Vss	25°C	-	-	V
Input voltage	Vin	25°C	-0.3	Vdd+0.3	V

Electrical Characteristics						
Item	Symbol	Condition	Min.	Typ.	Max.	Units
Power supply voltage	Vdd-Vss	25°C	4.5	-	5.5	V
LCD operation voltage	Vop	25°C	-	8.8	-	V
LED Forward Voltage	VF	25°C	-	3.2	-	V
LED Forward Current	IF	25°C	-	80	-	mA