Excelix DG-24128-06 240 x 128 dots STN LED Backlight 1/128 Duty,

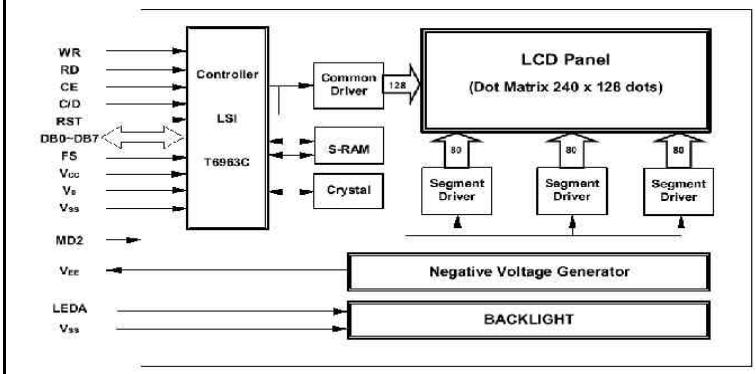
MECHANICAL DATA		
Item	**Dimension**	**Unit**
Module Size	144.0(W) x 104.0(H) x 15.6(T)	mm
View Area	114.0(W) x 64.0(H)	mm
Dot Size	0.4 x 0.4	mm
Dot Pitch	0.45 x 0.45	mm

ABSOLUTELY MAXIMUM RATINGS					
Item	**Symbol**	**Standard Value**			**Unit**
		Min	**Typ.**	**Max.**	
Supply Voltage for Logic	V_{DD}- V_{SS}	0	--	7.0	V
Supply Voltage for LCD Drive	V_{DD}- V_{EE}	0	--	20.0	V
Input Voltage	V_I	V_{SS}	--	V_{DD}	V

PIN FUNCTIONS			
Pin No.	**Symbol**	**Level**	**Function**
1	Vss		Ground Potential (Logic)
2	V_{DD}		Power Supply for Logic & LCD (+)
3	V_{EE}		Power Supply For LCD
4	C/D		Code / Data
5	/RD		Data Read
6	/WR		Data Write
7~14	DB0~DB7		Data Bus Line
15	/CE		Clip Enable
16	/RES		Control Reset
17	VEE		Negative for Selection of Columns
18	MD2		H=32 L=40
19	FS		H=6x8 L=8x8
20	NC		No Connection

ELECTRICAL CHARACTERISTICS						
Item	**Symbol**	**Condition**	**Min.**	**Typ**	**Max.**	**Unit**
Logic Driver Circuit Power Supply Voltage	V_{DD}-V_{SS}	--	4.75	5.0	5.25	V
LCD Driver Circuit Power Supply Voltage	V_{DD}-V_{EE}	0°C	15.3	16.1	16.9	V
		25°C	14.3	15.0	15.8	V
		50°C	13.1	13.8	14.5	V
Input Voltage	V_{IH}	$V_{DD=}$ 3±0.25	0.7xV_{DD}	--	V_{DD}	V
Input Voltage	V_{IL}	$V_{DD=}$5±0.25	0	--	0.3xV_{DD}	V
Output Voltage	V_{OH}					V
Output Voltage	V_{OL}					
Input Leakage Current	I_U					A
Supply Current	I_{DD}	$V_{DD=0.5V}$	--	12	--	mA
	I_{EE}	$V_{DD=-13.0V}$	--	--	TBD	mA

BLOCK DIAGRAM



DIMENSION OUTLINE