

DG-24128-05

- 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	0.45x 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	--	28.0	V
Input Voltage	V_I	V_{SS}	--	V_{DD}	V

PIN FUNCTIONS			
Pin No.	Symbol	Level	Function
1	V_{SS}		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		Controller 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.	Type	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	$V_{DD-V_{EE}}$	10°C	19.4	20.4	21.4	V
		25°C	18.0	18.9	18.9	V
		50°C	16.1	16.9	16.9	V
Input Voltage	V_{IH}	$V_{DD-5} \pm 0.25$	$0.7 \times V_{DD}$	--	--	V
Input Voltage	V_{IL}	$V_{DD-5} \pm 0.25$	0	--	--	V
Output Voltage	V_{OH}					V
Output Voltage	V_{OL}					V
Input Leakage Current	I_U					µA
Supply Current	I_{DD}	$V_{DD}=0.5V$		4.1	--	mA
	I_{EE}	$V_{DD}=20.0V$	--	--	TBD	mA