

# DG-12864-11 128x64dots 1/64 Duty Reflective/EL/LED Backlight

MECHANICAL DATA		
Item	Dimension	Unit
Module Size	78.0(W) x 70.0(H) x 10.5(T)	mm
View Area	62.0(W) x 44.0(H)	mm
Dot Size	0.4 x 0.56	mm
Dot Pitch	0.44 x 0.6	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	--	10.0	V
Input Voltage	$V_I$	$V_{SS}$	--	$V_{DD}$	V

ELECTRICAL CHARACTERISTICS						
Item	Symbol	Condition	Min.	Typ.	Max.	Unit
LCD Circuit Power Supply Voltage	$V_{DD}-V_{SS}$	--	4.5	5.0	5.5	V
LCD Driver Circuit Power Supply Voltage	$V_{DD}-V_0$	-20°C	--	8.97	--	V
		0°C	--	9.109	--	V
		25°C	--	8.969	--	V
		50°C	--	8.736	--	V
		70°C	--	8.35	--	V
Input Voltage	$V_{IH}$	NOTE(1)	$0.7 \times V_{DD}$	--	$V_{DD}$	V
Input Voltage	$V_{IL}$	NOTE(1)	$V_{SS}$	--	$0.3 \times V_{DD}$	V
Supply Current	$I_{DD}$	$V_{DD}=5V$	--	1	3	mA

NOTE(1) PIN,RS,R/W,DB0-DB7

PIN FUNCTIONS			
Pin NO.	Symbol	Level	Function
1	/CSA	--	Chip Selection
2	/CSB	--	Chip Selection
3	$V_{SS}$	--	GND
4	$V_{DD}$	--	Power Supply For Logic
5	$V_0$	--	Power Supply For LCD Drive
6	D/I	H/L	H: Data Input L: Instruction Code Input
7	R/W	H/L	H: Data Read L: Data Write
8	E	H,H-L	Enable Signal
9-16	DB0-DB7	H/L	Data Bus Line
17	/RST	L	Reset
18	$V_{EE}$	--	Negative Voltage Output (-5v)
19	NC	--	No Connection
20	NC	--	No Connection

