

DG-12864-15

- 128 x 64 dots
- Reflective/EL/LED Backlight
- 1/64 Duty,

MECHANICAL DATA		
Item	Dimension	Unit
Module Size	75.0(W) x 52.7(H) x 5.5(T)	mm
View Area	60.0(W) x 32.5(H)	mm
Dot Size	0.4 x 0.4	mm
Dot Pitch	0.43x 0.43	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	--	16.0	V
Input Voltage	V_I	V_{SS}	--	V_{DD}	V

PIN FUNCTIONS			
Pin No.	Symbol	Level	Function
1	V_{DD}	--	Power Supply For Logic(+5V)
2	V_{SS}	--	GND(0V)
3	V_{LC}	--	LCD Drive Voltage(-8V)
4~11	DB0~DB7	H/L	Data Bus Line
12	/CS1	H	Chip Selection For IC1(U2)
13	/CS2	H	Chip Selection For IC2(U3)
14	/RST	L	Reset
15	R/W	H/L	H:Data Read L:Data Write

16	D/I	H/L	H:Data Input L:Instruction Code Input
17	E	H,H-L	Enable Signal
18	FG/ND	--	Frame GND (0V)
19	LEDA	--	Power Supply for LED
20	LEDK	--	Power Supply for LED

ELECTRICAL CHARACTERISTICS

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Logic circuit Power Supply Voltage	$V_{DD}-V_{SS}$	--	4.5	5.0	5.5	V
LCD Driver Circuit Power Supply Voltage	$V_{DD}-V_{LC}$	-20°C	--	11.2	--	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(Logic)	I_{DD}	$V_{DD}=5.0V$	--	2.0	--	mA
	I_{LC}	$I_{LC}=-8V$	--	1.8	--	mA