DG24128-06 240 x 128 Dots

■Mechanical Data

Item	Standard Value	Unit
Module Size	144.0(W) x 104.0(H) x 12.5(T)	mm
Viewing Area	114.0(W) x 64.0 (H)	mm
Dot Pixels	240 x 128	dots
Dot Size	0.40x 0.40	mm
Dot Pitch	0.45 x 0.45	mm

■Absolute Maximum Ratings

Item	Symbol	Standard Value			Unit
		Min.	Typ.	Max.	
Supply Voltage for Logic	V_{dd}-V_{ss}	-0.3	--	7.0	V
Supply Voltage for LCD Drive	V_{dd}-V_{ee}	0	--	28.0	V
Input Voltage	V_I	-0.3	--	V_{dd}+0.3	V
Operation Temperature	Topr	0		50	°C
Storage Temperature	Tstg	-20		70	°C

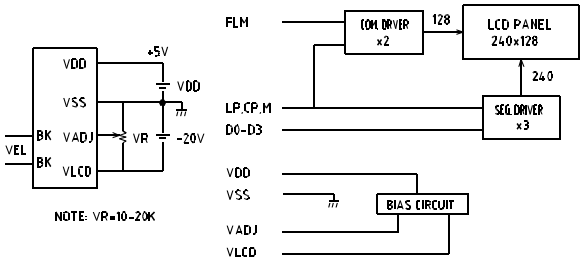
■Electrical Characteristics

Item	Symbol	Condition	Standard Value			Unit
			Min.	Typ.	Max.	
LCD Supply Voltage	V_{dd}-V_{ss}		4.5	5.0	5.5	V
LCD Driver Circuit	V_{dd} –V_{ee}		10.0	--	26.0	V
Power Supply Voltage	V_{dd}- V_{adj}	25°C	10.0	--	26.0	
Input Voltage	V_{IH}	High Level	0.7 x V_{dd}	--	V_{dd}	V
Input Voltage	V_{IL}	Low Level	V_{SS}	--	0.3 x V_{dd}	V
Supply Current	I_{DD}	V_{DD} = 5V	--	3.0	5.0	mA
	I_{EE}	V_{DD} = 5V	--	3.5	5.0	mA

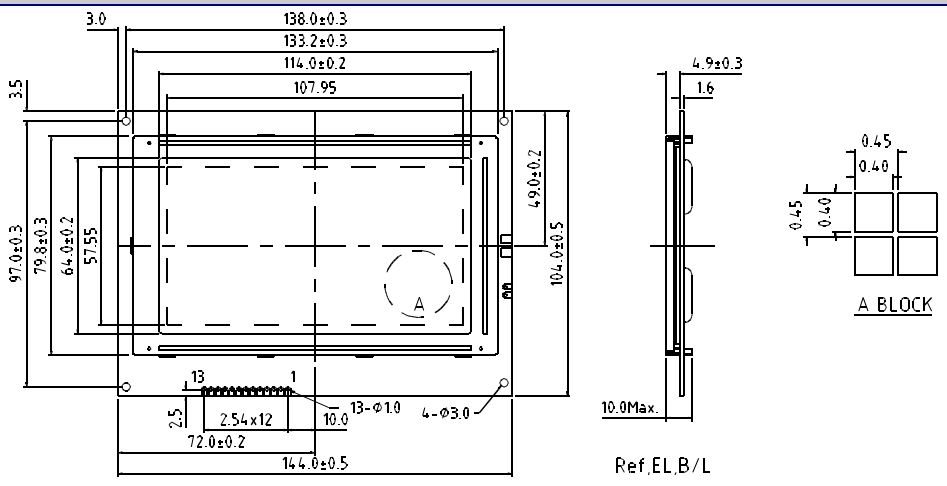
■Pin Assignment

No.	Symbol	Level	Function
1.	FLM	H	Frame signal
2.	CP	H→L	Clock signal for shifting parallel data
3.	LP	H→L	Data latch signal
4.	M	H/L	Alternate signal for LCD drive
5.	V_{DD}	--	Power supply for Logic
6.	V_{SS}		Power supply (0v, GND)
7.	V_{EE}		Power supply for LCD drive
8.	D0	H/L	Display data 0
9.	D1	H/L	Display data 1
10.	D2	H/L	Display data 2
11	D3	H/L	Display data 3
12	V_{ADJ}	--	Voltage level for LCD contrast
13	EL		Power supply for EL
14	EL		Power supply for EL

■Block Diagram



■External Dimensions



Rte de Vevey 105 , CH-1618 Châtel St.-Denis, Tel: +41 21 948 20 80, Fax: +41 21 948 20 88

E-Mail: optologic-office@optologic.ch - Web-Site: www.optologic.ch