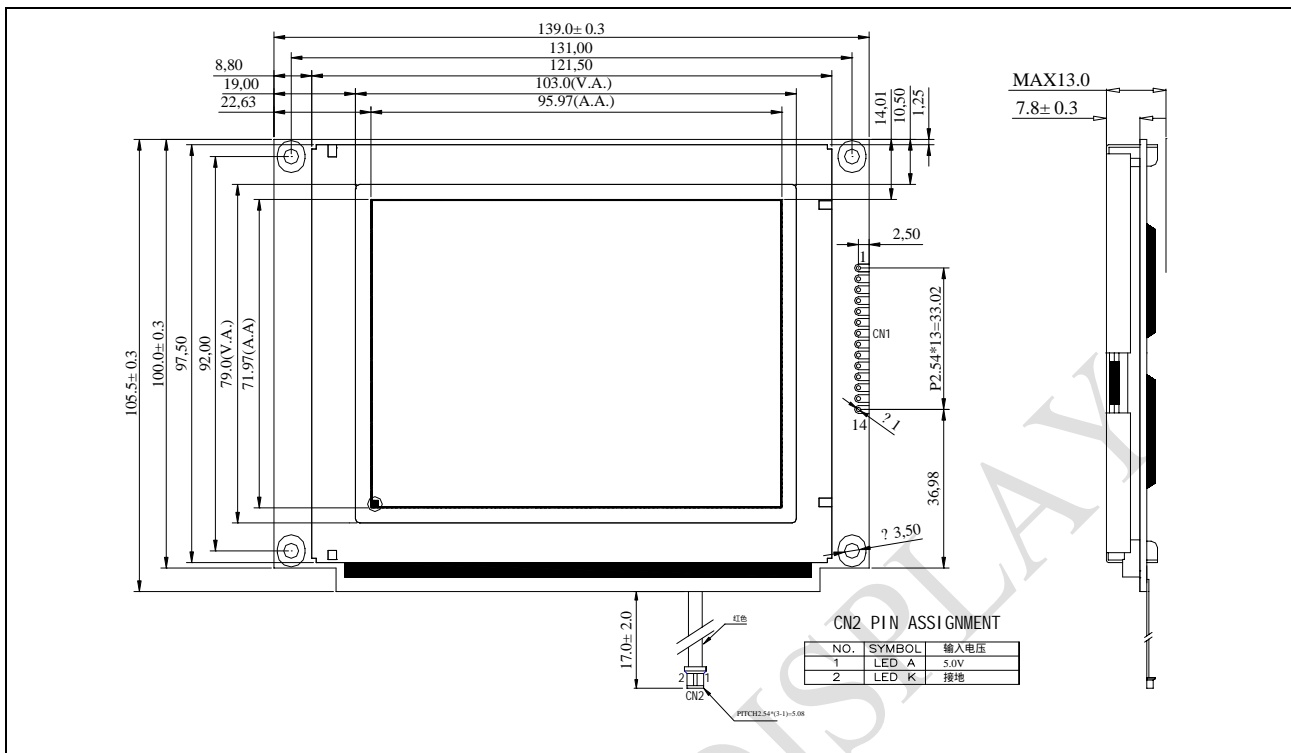


HG3202403

1/240DUTY 1/16BIAS



PIN CONNECTIONS

Pin	Symbol	Level	Function
1	FLM	H/L	Scan start-up signal
2	LP (CL1)	H-L	Data latch pulse
3	CP (CL2)	H-L	Data shift pulse
4	NC (M)	H/L	No connection
5	V _O	-	Driving voltage for LCD control
6	V _{DD}	5.0V	Power supply for Logic
7	V _{SS}	0V	Ground
8	V _{EE}	-	Driving voltage for LCD driving
9 12	D0 D3	H/L	Data bus line
13	/DISPOFF	H/L	H: Display ON L: Display OFF
14	NC	-	No connection

NOTES:

1. No controller
2. Compatible with. DMF50081
3. For CCFL version, the outline dimension is 139.0 X113.8mm

MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module Size (W x H x T)	139.0X105.5X13.0	mm
Viewing Area (W x H)	103.0X79.0	mm
Dot Pitch (W x H)	0.30X0.30	mm
Dot Size (W x H)	0.27X0.27	mm

ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage (Logic)	V _{DD} -V _{SS}	0	6.5	V
Supply Voltage (LCD)	V _{DD} -V _O	0	32	V
Input Voltage	V _I	0	V _{DD}	V
Operating Temp.	T _{OPR}	-20	+70	
Storage Temp.	T _{STG}	-30	+80	

ELECTRICAL CHARACTERISTICS (V_{DD}=5.0V, Ta=25)

Item	Symbol	Min.	Typ.	Max.	Unit
Input High Voltage	V _{IH}	0.8 V _{DD}	-	V _{DD}	V
Input Low Voltage	V _{IL}	-0.3	-	0.2V _{DD}	V
Supply Current	I _{DD}	-	16	-	mA
LCD Driving Voltage	V _{DD} -V _O	-	21	-	V

LED BACKLIGHT SPECIFICATIONS (Ta=25)

Item	Forward Voltage	Forward Current
White	3.1V	150mA