



CONSULTING DISTRIBUTOR

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1. COG package
2. 5V power supply
3. 5x8 dots format display
4. Built-in controller : US2066
5. Color: white, yellow, green
6. Support MCU Interfaces:
 - 4 / 8-bit 6800/8080-series parallel interface
 - Serial Peripheral Interface
 - I²C Interface (Up to 400kbit/s)
7. 256-step contrast control
8. 3 sets of CGROM
(ROM A / B / C – hardware/software selectable)
9. Operating temperatures: -40°C to 85°C



Pin	Symbol	I/O	Description
1	N.C	-	Reserved Pin
2	VSL	P	Voltage output Low Level for SEG Signal
3	VSS	P	Ground
4	REGVDD	I	5V I/O Regulator Configuration
5	SHLC	I	Scanning Direction for COM Signal
6	SHLS	I	Mapping Direction for SEG Signal
7	VDD	P	Power Supply for logic Circuit
8	VDDIO	P	Power Supply for Interface logic Level
9~11	BS0~2	I	Communicating Protocol Selection
12	GPIO	I/O	General Purpose Input /Output
13	CS#	I	Chip Select
14	RES#	I	Power Reset for Controller and Driver
15	D/C#	I	Data/ Command Control
16	R/W#(WR#)	I	Read/ Write Select or Write
17	E(RD#)	I	Read /Write Enable or Read
18~25	D0~D7	I/O	Host Data Input/ Output Bus
26	IREF	I	Current Reference for Brightness Adjustment
27~28	ROM0~1	I	Built-in Character ROM Selection
29~30	OPR0~1	I	Character ROM/RAM Management
31	VCOMH	P	Voltage Output High Level for COM signal
32	VCC	P	Power Supply for Panel
33	NC	-	Reserved Pin

Item	Standard Value	Unit
Module Dimension	84.5 x 27.5	mm
Active Area	70.42 x 20.82	mm
Dot Size	0.57 x 0.57	mm
Character Size	2.97 x 4.77	mm

Item	Symbol	Condition	Value	Unit
Input Voltage	Vdd	Vdd = +5.0V	5.0(Typ.)	V
Supply Current	Idd	Vdd = +5.0V	300(Typ.)	uA
Life Time (Yellow)		120 cd/m2	40,000	hrs
Life Time (White)		100 cd/m2	15,000	hrs
Life Time (Green)		120 cd/m2	30,000	hrs

Figure 1: Mechanical drawing of the device. The drawing includes a top view, a side view, and a detail view of the contact side. The top view shows a rectangular device with a grid of contacts. Dimensions include overall length (118.3), overall width (32.8), and various internal dimensions for the grid and contacts. The side view shows the thickness of the device (2.15) and the height of the contacts (1.84). The detail view shows the contact side with dimensions for the contact pads and the alignment hole.