

Phoenix Display International, Inc.

PRODUCT PREVIEW

240 x 128 Monochrome

TN/STN

Graphics
Liquid Crystal Display

SPECIFICATIONS

MODULE

Part Number	G-24012803S-VA
Format	240 Columns by 128 Rows
Controller	T6963C
Overall Dimensions	159.4mm x 101.0mm x 13.0mm
Active Area	120.0mm x 64.0mm
Pixel Pitch	500um x 500um
Pixel Size	470um x 470um
Backlight System	CCFL
Driver Attach	Chip on Board (COB)
Display Type	STN, FSTN
Duty	1/28
Bias	1/12



4.0 ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Test Condition	Standard Value		
			Min.	Max.	Unit
Supply Voltage (Logic)	$V_{DD}-V_{SS}$	25°C	-0.3	7.0	V
Supply Voltage (LCD)	$V_{DD}-V_O$		-0.3	19.5	V
Input Voltage	V_{IN}		-0.3	$V_{DD}+0.3$	V
Operating Temp.	T_{OPR}		0	50	°C
Storage Temp.	T_{STG}		-20	60	°C

5.0 PIN ASSIGNMENT

CN1

PIN No.	Symbol	Description
1	GND	Power supply(GND)
2	V_{DD}	Power supply
3	V_O	Contrast adjust
4	C/D	Command/Data
5	/WR	Data write
6	/RD	Data read
7	DB0-DB7	Data bus
8	/CE	Enable signal
9	/RST	Reset signal
10~17	VEE	Power supply for LCD
18	/DISPOFF	Display off
19	NC	No connection
20	NC	No connection

CN2

PIN No.	Symbol	Description
1	CCFL1	Power supply for CCFL backlight
2	NC	No connection
3	NC	No connection
4	CCFL2	Power supply for CCFL backlight

Remark

1. LCD option: TN,STN, FSTN .
2. Standard module.
3. Backlight option: LED,EL backlight feature, other specs not available on catalog is under request.