



**PIN FUNCTION:**

NO.	PIN
1	/CS1
2	/RES
3	RS
4	NC
5	SCLK
6	SID
7	VSS
8	VDD
9	VOUT
10	C3+
11	NC
12	C1-
13	C1+
14	C2+
15	C2-
16	V0
17	V1
18	V2
19	V3
20	V4

**NOTES:**

- 1.DISPLAY TYPE:FSTN
- 2.VIEW DIRECTION:6 O'CLOCK
- 3.POLARIZER TYPE:TRANSFLECTIVE/POSITIVE
- 4.DRIVE METHOD:1/65DUTY 1/9BIAS
- 5.LCD DRIVING VOLTAGE:9.0V
- 6.LOGIC SUPPLY VOLTAGE:3.0V
- 7.OPERATING TEMP:-20°C~+70°C
- 8.STORAGE TEMP:-30°C~+60°C
- 9.CONTROLLER IC:ST7565P

**FEATURE**

- 1. FSTN, Positive, Transflective/Display dot: Black/Background: white**
- 2. IC: ST7565P-G**
- 3. 1/65 Duty, 1/9 Bias, 6 O'clock**
- 4. Backlight: LIGHT GUIDE**

Pin NO	Symbol	Function
1	/CS1	This is the chip select signal
2	/RES	RES is L is initialized
3	RS	This is connect to least significant bit of the Norman MPU address bus
4	NC	NA
5	SCLK	Serial clock input
6	SID	Serial data input
7	VSS	GND
8	VDD	Power supply
9	VOUT	DC/DC voltage
10	C3+	CAPACITOR 3 +
11	NC	NA
12	C1-	CAPACITOR 1 -
13	C1+	CAPACITOR 1 +
14	C2+	CAPACITOR 2 +
15	C2-	CAPACITOR 2 -
16	V0	This is a multi-level power supply for the LCD
17	V1	This is a multi-level power supply for the LCD
18	V2	This is a multi-level power supply for the LCD
19	V3	This is a multi-level power supply for the LCD
20	V4	This is a multi-level power supply for the LCD

MECHANICAL DATA		
Item	Standard Value	Unit
Module Dimension	37.0(W) X 49.1(H) X 3.2(T)	mm
Viewing Area	29.58 (W) X 22.96 (H)	mm
Dot Size	0.225(W) X 0.268(H)	mm
Dot Pitch	0.245(W) X 0.306(H)	mm

ABSOLUTE MAXIMUM RATING					
Item	Symbol	Standard Value			Unit
		min	typ	max	
Logic Power Supply	VDD-VSS	-0.3		5	V
LCD Drive Voltage	Vo-VSS	0		18	V

ELECTRONICAL CHARACTERISTICS						
Item	Symbol	Condition	Standard Value			Unit
			min	typ	max	
Supply Voltage for Logic	VDD-VSS	25°C	1.8	3	3.3	V
Supply Voltage For LCD Drive	Vo-VSS	25°C	7.5	8.0	8.5	V
Input Voltage	VIN	25°C	-0.3		VDD + 0.3	V
Current Consumption	ID	25°C		0.27	1	mA
Operating Temp	Top		-20		70	°C
Storage Temp	Tst		-30		80	°C