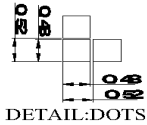


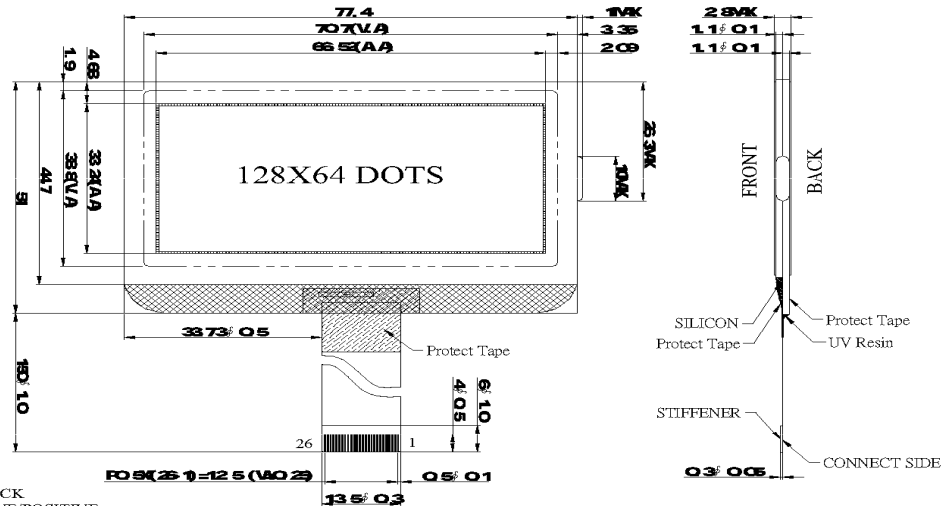
PIN FUNCTION:

NO	SYMBOL	NO	SYMBOL
1	/CS1	14	VDD
2	/RES	15	VSS
3	A0	16	VOUT
4	/WR	17	CAP3P
5	/RD	18	CAP1N
6	D0	19	CAP1P
7	D1	20	CAP2P
8	D2	21	CAP2N
9	D3	22	V4
10	D4	23	V3
11	D5	24	V2
12	D6	25	V1
13	D7	26	V0



NOTES:

- 1.DISPLAY TYPE:FSTN
- 2.VIEWING DIRECTION:6 O'CLOCK
- 3.POLARIZER MODE:REFLECTIVE/POSITIVE
- 4.DRIVE METHOD:1/65 DUTY 1/9 BIAS
- 5.LCD DRIVE VOLTAGE:10.3V
- 6.LOGIC POWER SUPPLY VOLTAGE:3.0V
- 7.OPREATING TEMP:-20 C--+70 C
- 8.STORAGE TEMP:-30 C--+80 C
- 9.IC:ST7565P
- 10.CONNECTION TYPE:COG



FEATURE

1. FSTN, Positive, Transflective
2. IC: Sitronix ST7565P-G
3. 1/64Duty, 1/9Bias, 6 O'clock
4. Backlight: NA, Display dot: Black, Background: White

White

Pin NO	Symbol	Function
1	/CS1	This is the chip select signal.
2	/RES	When RES is set to "L", the setting are initialized.
3	A0	This is connect to the least significant bit of the Norman MPU address bus, and it determines whether the data bits are data or a command.
4	/WR	The data bus are latched at the rising edge of the WR signal
5	/RD	The data bus is in output status when this signal is "L"
6-13	D0-D7	This is an 8-bit bi-directional data bus that connects to an 8-bit or 16-bit standard MPU data bus.
14	VDD	Power supply
15	VSS	Ground
16	VOUT	DC/DC voltage converter.
17	CAP3P	
18	CAP1N	
19	CAP1P	
20	CAP2P	
21	CAP2N	
22-26	V4-V0	This is a multi-level power supply for the liquid crystal drive.

MECHANICAL DATA		
Item	Standard Value	Unit
Module Dimension	77.4(W) × 201(H) × 2.8MAX(T)	mm
Viewing Area	70.7(W) × 38.8(H)	mm
Dot Size	0.48(W) × 0.48(H)	mm
Dot Pitch	0.52(W) × 0.52(H)	mm

ABSOLUTE MAXIMUM RATING					
Item	Symbol	Standard Value			Unit
		min	typ	max	
Supply Voltage For Logic	VDD	0.3	—	5.0	V
Supply Voltage For LCD Drive	V0, VOUT	0.3	—	18.0	V

ELECTRONICAL CHARACTERISTICS						
Item	Symbol	Condition	Standard Value			Unit
			min	typ	max	
Input Voltage	VIH	—	0.8VDD	—	VDD	V
	VIL		VSS	—	0.2VDD	
Output Voltage	VOH	IOUT=0.5mA	0.8VDD	—	VDD	V
	VOL	IOUT=0.5mA	VSS	—	0.2VDD	
Current Consumption	IDD	VIN=VDD	—	0.41	1.0	mA
Supply Voltage For Logic	VDD-VSS	—	1.8	3.0	3.3	V
Supply Voltage For LCD	V0-VSS	—	10.1	10.3	10.5	V