



NO.	SYMBOL	NO.	SYMBOL
1	NC	26	CAP1N
2	FR	27	CAP1P
3	CL	28	CAP2P
4	DOF	29	CAP2N
5	CS1	30	CAP4P
6	CS2	31	VRS
7	RES	32	V4
8	A0	33	V3
9	WR	34	V2
10	RD	35	V1
11	D0	36	V0
12	D1	37	VR
13	D2	38	VDD
14	D3	39	M/S
15	D4	40	CLS
16	D5	41	C86
17	D6	42	P/S
18	D7	43	HPM
19	VDD	44	IRS
20	VSS	45	SEL1
21	VSS	46	SEL2
22	VOUT	47	SEL3
23	CAP5P	48	NC
24	CAP1N	49	NC
25	CAP3P		

- NOTES:
1. DISPLAY TYPE:FSTN
 2. VIEW DIRCTION:6 O'CLOCK
 3. POLARIZER TYPE:TRANSMISSIVE/POSITIVE
 4. DRIVE METHOD:1/64DUTY 1/9BIAS
 5. LCD DRIVING VOLTAGE:3.0±0.3V
 6. LOGIC SUPPLY VOLTAGE:3.0V
 7. OPERATING TEMP:-0°C~+50°C
 8. STORAGE TEMP:-10°C~+60°C
 9. CONTROLLER IC:ST7565P-F1
 10. CONNECTOR TYPE:TAB

DOTS DETAIL
SCALE:15X

FEATURE

1. FSTN, Positive, Transflective, Backlight: NA
2. IC: ST7565P-F1
3. 1/64 Duty, 1/9 Bias, 60'clock.
4. Display dot: Black, Background: White

Pin NO	Symbol	Pin NO	Symbol
1	NC	25	CAP3P
2	FR	26	CAP1N
3	CL	27	CAP1P
4	DOF	28	CAP2P
5	CS1	29	CAP2N
6	CS2	30	CAP4P
7	RES	31	VRS
8	A0	32	V4
9	WR	33	V3
10	RD	34	V2
11	D0	35	V1
12	D1	36	V0
13	D2	37	VR
14	D3	38	VDD
15	D4	39	M/S
16	D5	40	CLS
17	D6	41	C86
18	D7	42	P/S
19	VDD	43	HPM
20	VSS	44	IRS
21	VSS	45	SEL1
22	VOUT	46	SEL2
23	CAP5P	47	NC
24	CAP1N	48	NC

MECHANICAL DATA		
Item	Standard Value	Unit
Module Dimension	35.0(W) X 37.3(H) X 1.7(T)	mm
Viewing Area	32(W) X 16(H)	mm
Mounting hole	0.19(W) X 0.20(H)	mm
Dot Pitch	0.21(W) X 0.22(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	4.0		18	V

ELECTRONICAL CHARACTERISTICS						
Item	Symbol	Condition	Standard Value			Unit
			min	Typ	max	
Supply Voltage for Logic	VDD-VSS	25°C	2.5	3.0	3.5	V
SUPPLY Voltage For LCD Drive	Vo-VSS	25°C	8.7	9.0	9.3	V
Input Voltage	VIN	25°C	0.0		VDD	V
Current Consumption	ID	25°C		0.28	1.0	mA
Operating Temp	Top		-0		50	°C
Storage Temp	Tst		-10		60	°C