



Selecting the Interface Type

	P/S	/CS1	CS2	A0	/RD	/WR	C86	D7	D6
H: Parallel Input	/CS1	CS2	A0	/RD	/WR	C86	D7	D6	D6
L: Serial Input	/CS1	CS2	A0	—	—	—	SI	SCL	SCL

“—” indicates fixed to “H”

The Parallel Interface

C86	(P/S=H)	/CS1	CS2	A0	E(/RD)	R/W(/WR)	D7~D0
H: 6800 Series	/CS1	CS2	A0	E	R/W	D7~D0	D7~D0
L: 8080 Series	/CS1	CS2	A0	/RD	/WR	D7~D0	D7~D0

Interface			
Pin no	Symbol	Pin no	Symbol
1	/CS1	18	CAP3-
2	/RES	19	CAP1+
3	A0	20	CAP1-
4	WR(R/W)	21	CAP2-
5	RD(E)	22	CAP2+
6	D0	23	CAP4-
7	D1	24	VRS
8	D2	25	V1
9	D3	26	V2
10	D4	27	V3
11	D5	28	V4
12	D6	29	V5
13	D7	30	VR
14	VDD	31	C86
15	VSS	32	P/S
16	VOUT	33	HPM
17	CAP5-	34	IRS

Feature			
Controller	ST7565	Module	80 x 54
Duty	1/64 duty	Viewing Area	70.7 x 38.8
Bias	1/9 bias	Mounting hole	-
B/L	Y/G	Character Size	0.48 x 0.48

Absolute Maximum Rating					
I tem	Symbol	Condition	Min	Max	Units
Supply for logic voltage	Vdd-Vss	25°C	-0.3	3.6	V
LCD driving supply voltage	Vdd-Vss	25°C	-0.3	13.5	V
Input voltage	Vin	25°C	-0.3	Vdd+0.3	V

Electrical Characteristics						
Item	Symbol	Condition	Min.	Typ.	Max.	Units
Power supply voltage	Vdd-Vss	25°C	2.4	-	3.3	V
LCD operation voltage	Vop	25°C	-	10	-	V
LED Forward Voltage	VF	25°C	-	4.2	-	V
LED Forward Current	IF	25°C	-	60	-	mA