



PIN CONNECTIONS

Pin	Symbol	Level	Function
1	V _{DD}	3.3V	Power supply for logic
2	P/S	H/L	H: Parallel mode L: Serial mode
3	C86	H/L	H: 6800 series MPU L: 8080 series MPU
4	NC	-	No connection
5	V ₀	-	LCD driving voltage
6	V ₁		
7	V ₂		
8	V ₃		
9	V ₄		
10	CAP2N	-	DC/DC voltage converter.
11	CAP2P		
12	CAP1P		
13	CAP1N		
14	CAP3P		
15	V _{OUT}		
16	V _{SS}	0V	GND
17	V _{DD}	3.3V	Power supply for logic
18-25	D7-D0	H/L	Data bus line
26	RD	H/L	Read/Chip enable signal
27	WR	H/L	Write/Read or write signal
28	A0	H/L	H: Data L: Instruction
29	/RES	L	Reset signal, active "L"
30	/CS1	L	Chip select ,active"L"

MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module Size (W x H x T)	67.7X79.7X7.8	mm
Viewing Area (W x H)	62.16 X17.14	mm
Dot Pitch (W x H)	0.46X0.46	mm
Dot Size (W x H)	0.40X0.40	mm

ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage (Logic)	V _{DD} -V _{SS}	-0.3	3.6	V
Supply Voltage (LCD)	V ₀	-0.3	13.5	V
Operating Temp.	T _{OPR}	-20	70	°C
Storage Temp.	T _{STG}	-30	80	°C

ELECTRICAL CHARACTERISTICS (V_{DD}=3.0V, Ta=25°C)

Item	Sym.	Min.	Typ.	Max.	Unit
Input High Voltage	V _{IH}	0.8V _{DD}	-	V _{DD}	V
Input Low Voltage	V _{IL}	V _{SS}	-	0.2V _{DD}	V
Output High Voltage	V _{OH}	0.8V _{DD}	-	V _{DD}	V
Output Low Voltage	V _{OL}	V _{SS}	-	0.2V _{DD}	V
Supply Current	I _{DD}	-	-	-	mA
LCD Driving Voltage	V ₀ -V _{SS}	-	6.5	-	V

NOTES: 1. Built-in ST7565R controller 2. COG/STN(Yellow-green)

3.LED backlight characteristics and application circuit:

Color: Yellow-green / Forward Voltage: Vf=2.0V (If=50mA)

