



PIN CONNECTIONS

MECHANICAL DATA

Pin	Symbol	Level	Function
1	V _{SS}	0V	GND
2	V _{DD}	+5V	Power supply for logic
3	NC	-	No Connection
4	D/C	H/L	Data/Command Select
5	/WR	H/L	Write signal
6	/RD	H/L	Read signal
7-14	DB0-DB7	L	Data bus line Serial mode:D0-SCLK D1-SDIN
15	/CS1	L	Chip selection for IC1
16	/CS2	L	Chip selection for IC2
17	/REST	L	Reset signal,active"L"
18	BS0	H/L	BS0 BS1 interface select: 01: 8080 parallel 00: 4-wire SPI 10: 3-wire SPI
19	BS1	H/L	
20	FG	-	Frame Ground

Item	Nominal Dimensions	Unit
Module Size (W x H x T)	144.0X104.0X10.3	mm
Viewing Area (W x H)	109.2X58.01	mm
Dot Pitch (W x H)	0.415X0.43	mm
Dot Size (W x H)	0.385X0.40	mm

ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage (Logic)	V _{DD} -V _{SS}	-0.3	5.5	V
Input Voltage	V _I	V _{SS}	V _{DD}	V
Operating Temp.	T _{OPR}	-40	80	°C
Storage Temp.	T _{STG}	-40	80	°C

ELECTRICAL CHARACTERISTICS (V_{DD}=5V, Ta=25°C)

Item	Symbol	Min.	Typ.	Max.	Unit
Input High Voltage	V _{IH}	0.8V _{DD}	-	V _{DD}	V
Input Low Voltage	V _{IL}	0	-	0.2 V _{DD}	V
Output High Voltage	V _{OH}	0.9V _{DD}	-	V _{DD}	V
Output Low Voltage	V _{OL}	0	-	0.1 V _{DD}	V
Supply Current	I _{DD}	-	220	-	mA
		50% display area on			

NOTES:

- +5V/+3.3V power supply optional
- Parallel/Serial interface optional
- Display color:GREEN