



PIN CONNECTIONS

MECHANICAL DATA

CON1			
Pin	Symbol	Level	Function
1	V _{DD}	3.3V	Power supply for Logic
2	V _{SS}	0V	Ground
3	NC	-	No connection
4	D/C	H/L	Data/Command select
5	R/W	H/L	Read /Write signal
6	E	H/L	Chip enable signal
7	DB0	H/L	Data bus line
14	DB7		
CON2			
Pin	Symbol	Level	Function
1	V _{SS}	0V	Ground
2	V _{DD}	3.3V	Power supply for Logic
3	/CS	L	Chip select signal
4	/REST	L	Reset signal ,active “L”
5	D/C	H/L	Data/Command select
6	D0	H/L	SPI: D0—SCLK
7	D1		D1—SDIN
8	D2		I ² C: D0—SCL
			D1—SDA _{IN} D2--SDA _{OUT}

Item	Nominal Dimensions	Unit
Module Size (W x H x T)	85.0X30.0X7.5	mm
Viewing Area (W x H)	58.22X13.52	mm
Character Pitch(W x H)	3.55×5.95	mm
Character Size(W x H)	2.97×5.57	mm
Dot Pitch (W x H)	0.60×0.70	mm
Dot Size (W x H)	0.57×0.67	mm

ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage (Logic)	V _{DD} -V _{SS}	0	3.5	V
Supply Voltage(OLED)	V _{CC} -V _{SS}	0	15.0	V
Input Voltage	V _I	0	V _{DD}	V
Operating Temp.	T _{OPR}	-40	+85	°C
Storage Temp.	T _{STG}	-40	+90	°C

ELECTRICAL CHARACTERISTICS (V_{DD}=5.0V, Ta=25°C)

Item	Symbol	Min.	Typ.	Max.	Unit
Input High Voltage	V _{IH}	0.8 V _{DD}	-	V _{DD}	V
Input Low Voltage	V _{IL}	0	-	0.2V _{DD}	V
Output High Voltage	V _{OH}	0.9 V _{DD}	-	V _{DD}	V
Output Low Voltage	V _{OL}	0	-	0.1V _{DD}	V
Supply Current	I _{DD}	-	45	-	mA
OLED Display Voltage(YELLOW)	V _{CC} -V _{SS}	11.5	12.0	12.5	V

NOTES:

1. Built-in US2066 controller
2. 3.3V/5V power supply optional
3. Parallel / Serial interface optional
4. Display color :YELLOW