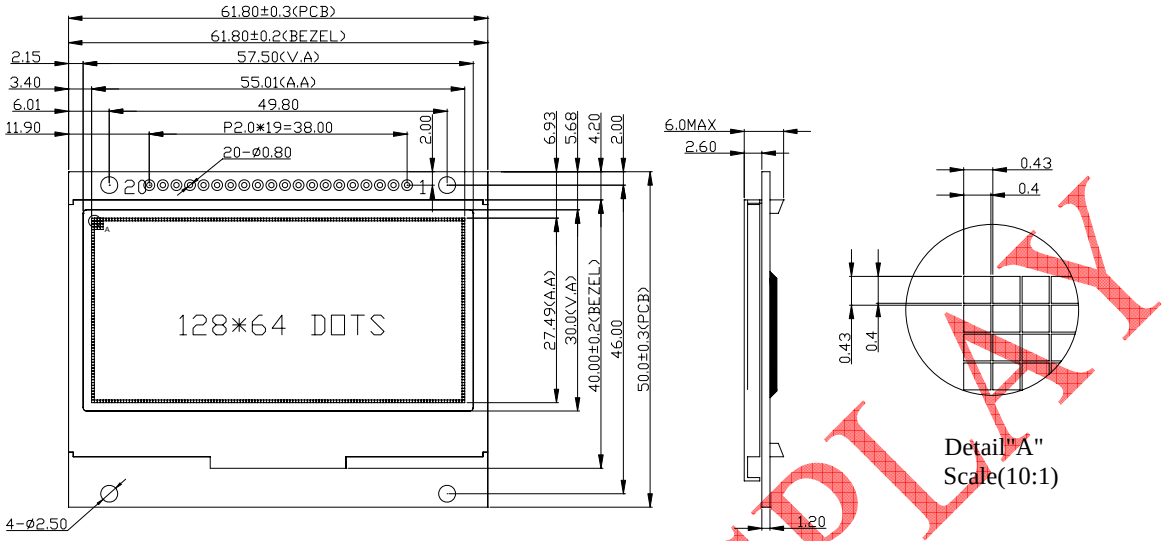
HGS1286421V1 1/64 DUTY



PIN CONNECTIONS

Pin	Symbol	Level	Function
1	V_{SS}	0V	Ground
2	V_{DD}	+3.3V	Power supply for Logic
3	NC	-	No connection
4	D/C	H/L	Data/Command select
5	/WR	L	8080：Write signal
6	/RD	L	8080：Read signal
7 | 14	DB0 | DB7	H/L	Data bus line Serial mode :D1-SI D0-SCL
15	/CS	L	Chip select signal
16	NC	-	No connection
17	/REST	L	Reset signal ,active “L”
18	BS1	H/L	MPU Interface select: 11: 8-bit 80XX parallel 01: 8-bit 68XX parallel 00: 4-wire SPI 10: I^2C
19	BS2		
20	FG	-	Frame Ground

*NOTES:*1. Built-in SSD1305 controller

2. Parallel / Serial interface optional

3. 5V/3.3V power supply optional

4. Display color :YELLOW/ GREEN

MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module Size（W x H x T）	61.8X50.0X6.0	mm
Viewing Area (W x H)	57.5X30.0	mm
Dot Pitch (W x H)	0.43X0.43	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	4.0	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	+70	℃
Storage Temp.	T_{STG}	-40	+80	℃

ELECTRICAL CHARACTERISTICS (V_{DD}=3.3V, Ta=25℃)

Item	Symbol	Min.	Typ.	Max.	Unit
Input High Voltage	V_{IH}	0.8 V_{DD}	-	-	V
Input Low Voltage	V_{IL}	-	-	0.2V_{DD}	V
Output High Voltage	V_{OH}	0.9 V_{DD}	-	-	V
Output Low Voltage	V_{OL}	-	-	0.1V_{DD}	V
Supply Current	I_{DD}	-	TBD	-	mA
OLED Display Voltage（GREEN）	V_{CC}-V_{SS}	12.5	13.0	13.5	V

TSINGTEK DISPLAY