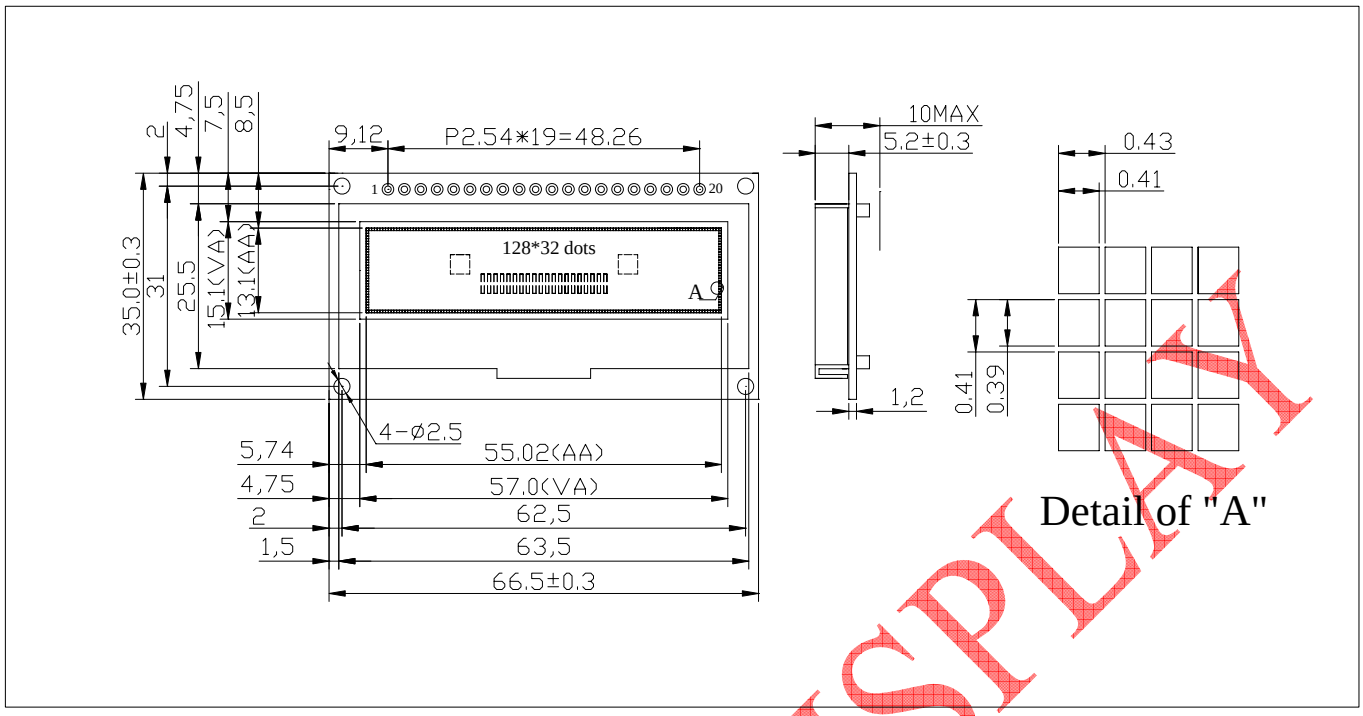


TSINGTAK DISPLAY

PIN CONNECTIONS

Pin	Symbol	Level	Function
1	V_{SS}	0V	Ground
2	V_{DD}	3.3V	Power supply for Logic
3	V_O	-	OLED Display voltage
4	A0	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 enable signal
16	/REST	L	Reset signal ,active “L”
17	BS1	H/L	BS1、BS2 interface select: 01:6800 parallel 11:8080 parallel 00: Serial 10: I^2C
18	BS2		
19	NC	-	No connection
20	FG	-	Frame Ground

MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module Size（W x H x T）	66.5X35.0X10.0	mm
Viewing Area (W x H)	57.0X15.1	mm
Dot Pitch (W x H)	0.43X0.41	mm
Dot Size (W x H)	0.41X0.39	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	13.0	V
Input Voltage	V_I	0	V_{DD}	V
Operating Temp.	T_{OPR}	-30	+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_{DD}	V
Input Low Voltage	V_{IL}	V_{SS}	-	0.2V_{DD}	V
Output High Voltage	V_{OH}	0.9 V_{DD}	-	V_{DD}	V
Output Low Voltage	V_{OL}	V_{SS}	-	0.1V_{DD}	V
Supply Current	I_{DD}	-	TBD	-	mA
OLED Display Voltage（BLUE）	V_{CC}-V_{SS}	12.0	12.5	13.0	V

NOTES:

1. Built-in SSD1305 controller
2. 3.3V power supply optional
3.Parallel / Serial interface optional
4 Display color :YELLOW/BLUE