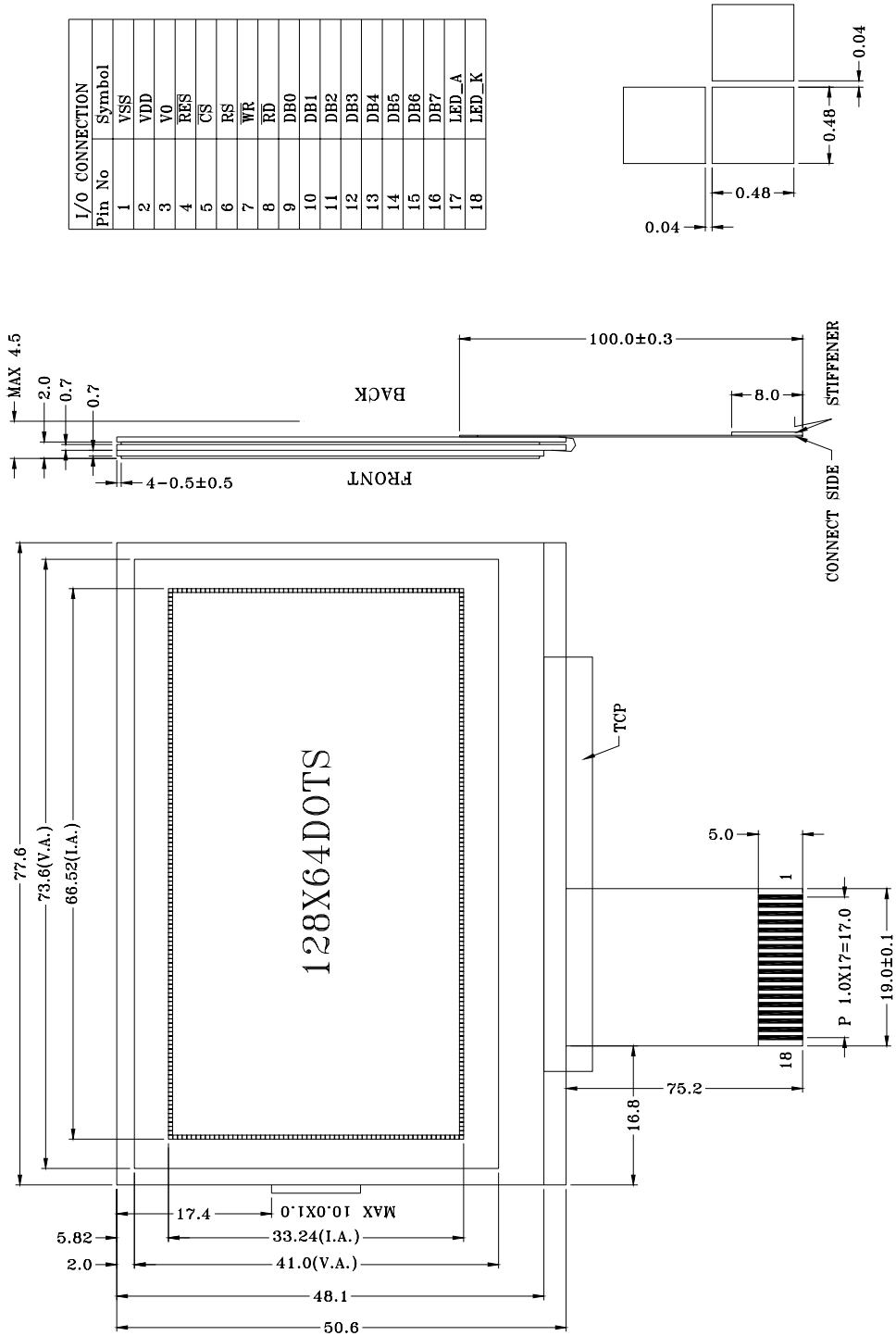




1 . General Specifications

Display Fonts:	Graphic Matrix
Display Type:	STN 128x64
Display Color:	Yellow
Display Mode:	Transflective/Positive
Viewing Direction:	12 O'clock
Driver Mode:	1/64 Duty
Module Size (WxHxT) :	77.6 × 125.8 × 4.5mm
Viewing Area (WxH) :	73.6 × 41.0mm
Number of Dots:	128 × 64 dots
Dot Size (WxH):	0.48 × 0.48mm
Dot Pitch (WxH):	0.52 × 0.52mm
Operation Temperature:	-20°C ~ +70°C
Storage Temperature:	-30°C ~+ 80°C
Controller:	ST7565p or equivalent
Assy. Type:	TAB
Backlight:	None

2. Mechanical Diagram





3. Absolute Maximum Ratings

Unless otherwise noted, VSS = 0 V

Absolute Maximum Ratings Parameter	Symbol	Conditions	Unit
Power Supply Voltage	VDD	-0.3 to +4.0	V
Power supply voltage	VOUT, VO	-0.3 to 18.0	V
Power supply voltage	V1, V2, V3, V4	V0 to 0.3	V
Input voltage	VIN	-0.3 to VDD + 0.3	V
Output voltage	VO	-0.3 to VDD + 0.3	V

4. Electrical Characteristics

Item	Symbol	Conditions	Min.	Typ.	Max.	Unit	
Supply Voltage	Logic	Vdd	3.0	3.0	3.3	V	
	LCD drive	Vdd-Vee	--	9.4	--		
Input Voltage	"H" Level	Vih	0.8Vdd	—	Vdd		
	"L" Level	Vil	VSS	—	0.2Vdd		
Output Voltage	"H" Level	Voh	Ioh=-0.5mA	0.8Vdd	Vdd		
	"L" Level	Vol	Iol=0.5mA	VSS	0.2Vdd		
Current Consumption	Logic	Idd	Vdd=3.0V Vdd-Vee= 9.4V	—	1.0	1.5	mA