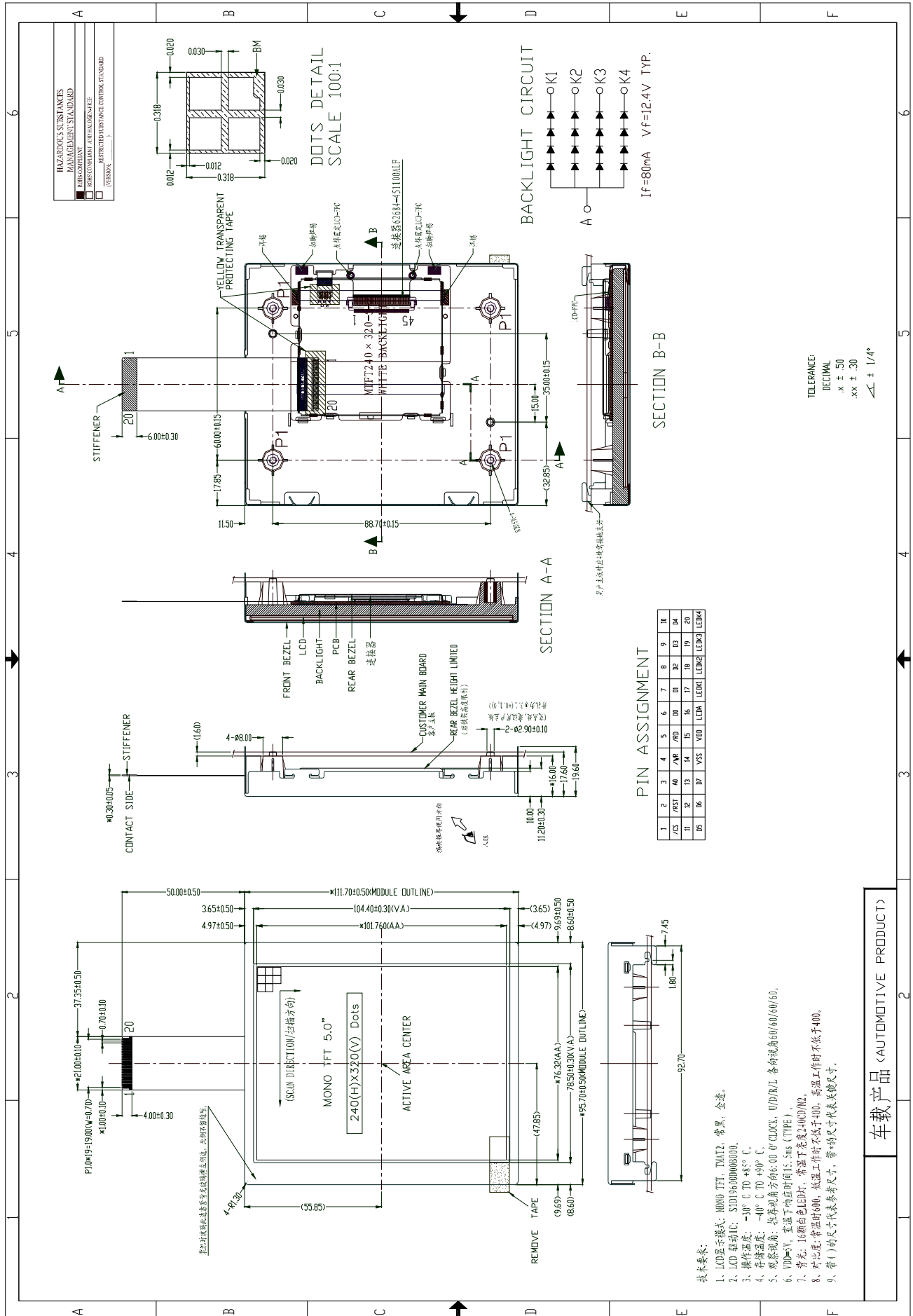


**GENERAL INFORMATION**

<b>Item of general information</b>	<b>Contents</b>	<b>Unit</b>
LCD type	MONO TFT Transmissive	/
Recommended Viewing Direction	12:00	O' Clock
Module area (W × H)	95.7.00×111.7×19.60	mm <sup>2</sup>
Viewing area (W×H)	78.50×104.40	mm <sup>2</sup>
Active area (W×H)	76.32×101.76	mm <sup>2</sup>
Number of Dots	240×320	/
Pixel pitch (W × H)	0.318×0.318	mm <sup>2</sup>
Driver IC	S1D19600D00B000	/
Backlight Type	LED	/
Module Power consumption	1045	mw
Interface Type	System Parallel Interface	/
Input voltage	5	V

n EXTERNAL DIMENSIONS



- 技术要求:
1. LCD显示模式: MONO TFT, TWI/T, 常黑, 全透。
  2. LCD 驱动IC: S1D1960(00)085000。
  3. 操作温度: -30° C TO +85° C。
  4. 存储温度: -40° C TO +10° C。
  5. 观察视角: 沿扫描方向: 0°/0°/CLOCK, U/D/N/L 各向视角60/60/60/60。
  6. VDD=5V, 至温下响应时间15.5ms (TYPE)。
  7. 背光: 16颗白色LED灯, 常亮下亮度2400cd/m2。
  8. 对比度: 常温时600, 低温工作时不低于400, 高温工作时不低于400。
  9. 带 (\*) 的尺寸代表参考尺寸, 带\*\*的尺寸代表关键尺寸。

**nABSOLUTE MAXIMUM RATINGS**

Parameter of absolute maximum ratings	Symbol	Min	Max	Unit
Supply voltage for logic	VDD	-0.3	5.8	V
Input voltage	VIN	-0.3	VDD+0.3	V
Operating temperature	Top	-30	85	°C
Storage temperature	TST	-40	90	°C
Humidity	RH	-	90%(Max60 °C)	RH

**nELECTRICAL CHARACTERISTICS**

DC CHARACTERISTICS

Parameter of DC characteristics	Symbol	Min	Typ	Max	Unit
Supply voltage for logic	VDD	2.7	5.0	5.5	V
Input Current	Idd	-	10.3	15.5	mA
Input voltage 'H' level	VIH	0.8VDD	-	VDD	V
Input voltage 'L' level	VIL	VSS	-	0.2VDD	V
Output voltage 'H' level	VOH	VDD-0.3	-	VDD	V
Output voltage 'L' level	VOL	VSS	-	VSS+0.3	V

**n TIMING OF POWER SUPPLY**

PLEASE REFER TO THE DRIVER IC SPECIFICATION.

**n BACKLIGHT CHARACTERISTICS**

Item of backlight characteristics	Symbol	Min.	Typ.	Max.	Unit	Condition
Forward Voltage	Vf	11.6	12..4	13.6	V	If=80mA
Luminance	Lv	1600	2200	3200	cd/m <sup>2</sup>	Ta=25°C
Number of LED	-	-	4*4	-	Piece	-
Connection mode	P	-	Serial/Parallel	-	-	-

Using condition: constant current driving method If= 80mA (+/-10%)