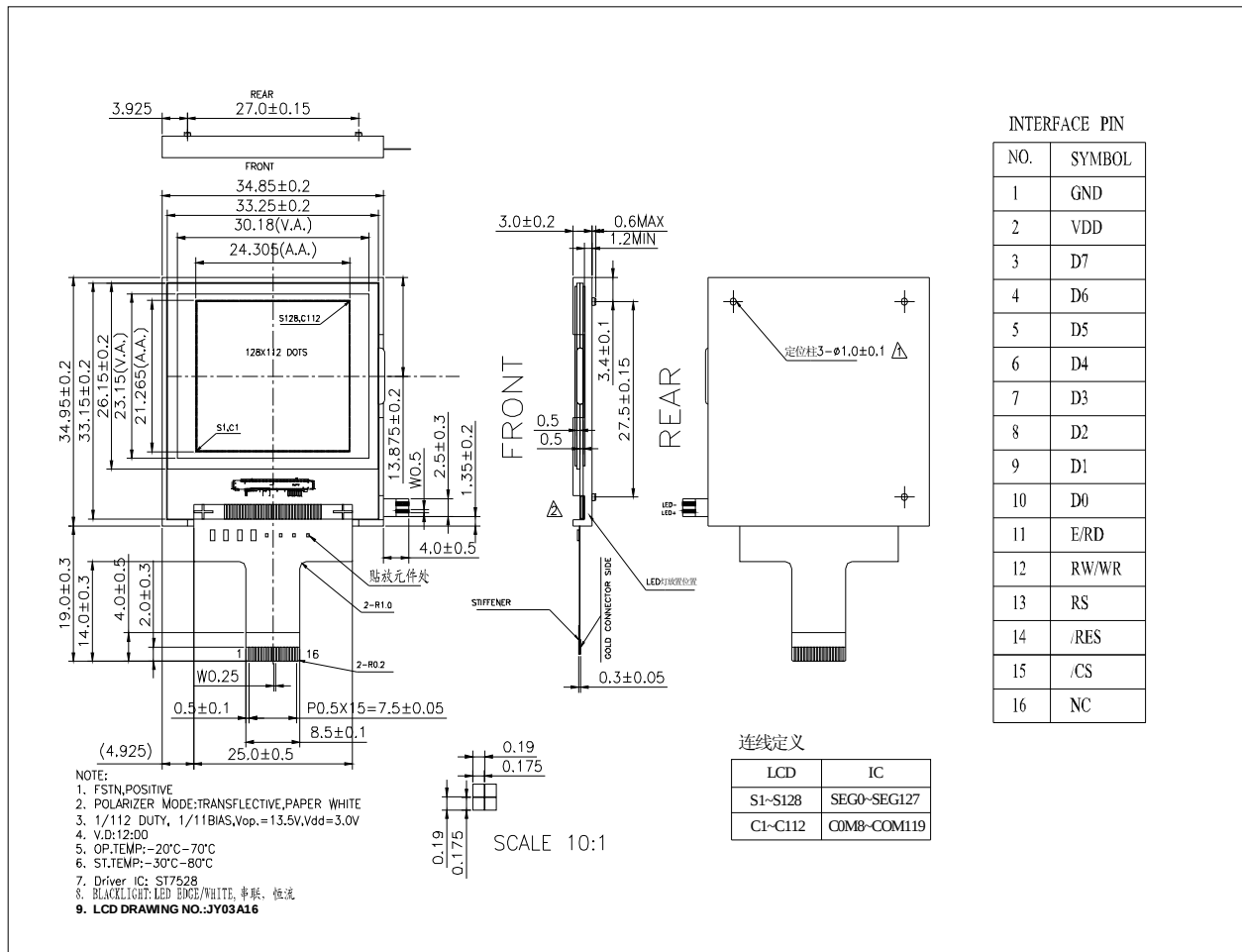
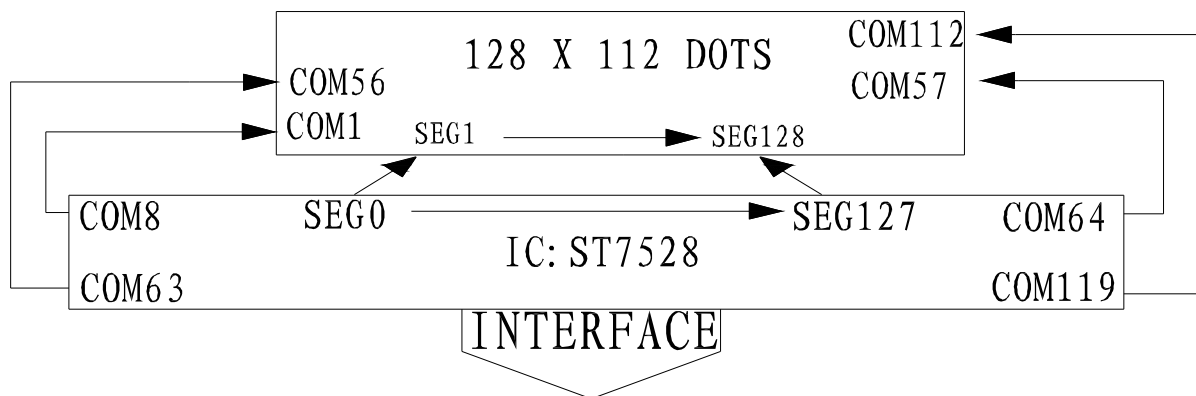


1.0 DIMENSIONAL DRAWING



2.0 BLOCK DIAGRAM



3.0 ELECTRICAL CHARACTERISTICS Ta=25 °C V_{DD}=3.0V±0.25V

Item	Symbol	Test Condition	Standard Value			
			Min.	Typ.	Max.	Unit
Power Supply for Logic	VDD	25°C	2.9	3.0	3.1	V
LCD Operation Voltage	Vop	25°C	13.3	13.5	13.7	V
LCM Current Consumption	Idd	25°C	-	-	2	mA

4.0 ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Standard Value		
		Min.	Max.	Unit
Power Supply for Logic	VDD	-0.5	3.6	V
LCD Operation Voltage	Vo.	-0.5	15	V
Input Voltage	Vin	-0.5	Vdd+0.5	V
Operating Temp	Top.	-20	70	°C
Storage Temp	Tst.	-30	80	°C

5.0 PIN ASSIGNMENT

Pin No.	Symbol	Description
1	GND	GROUND
2	VDD	+3.0V POWER SUPPLY
3~10	D7~D0	DATA BUS
11	E/RD	H: ENABLE; L: DISENABLE
12	RW/WR	H: READ; L:WRITE
13	RS	H: DATA; L: CONTROL
14	/RES	L: RESET;
15	/CS	L: CHIP SELECTED
16	NC	OPEN

Remark

1. LCD option: STN, FSTN .
2. Customized module.
3. Backlight option: EL backlight feature, other specs not available on catalog is under request.