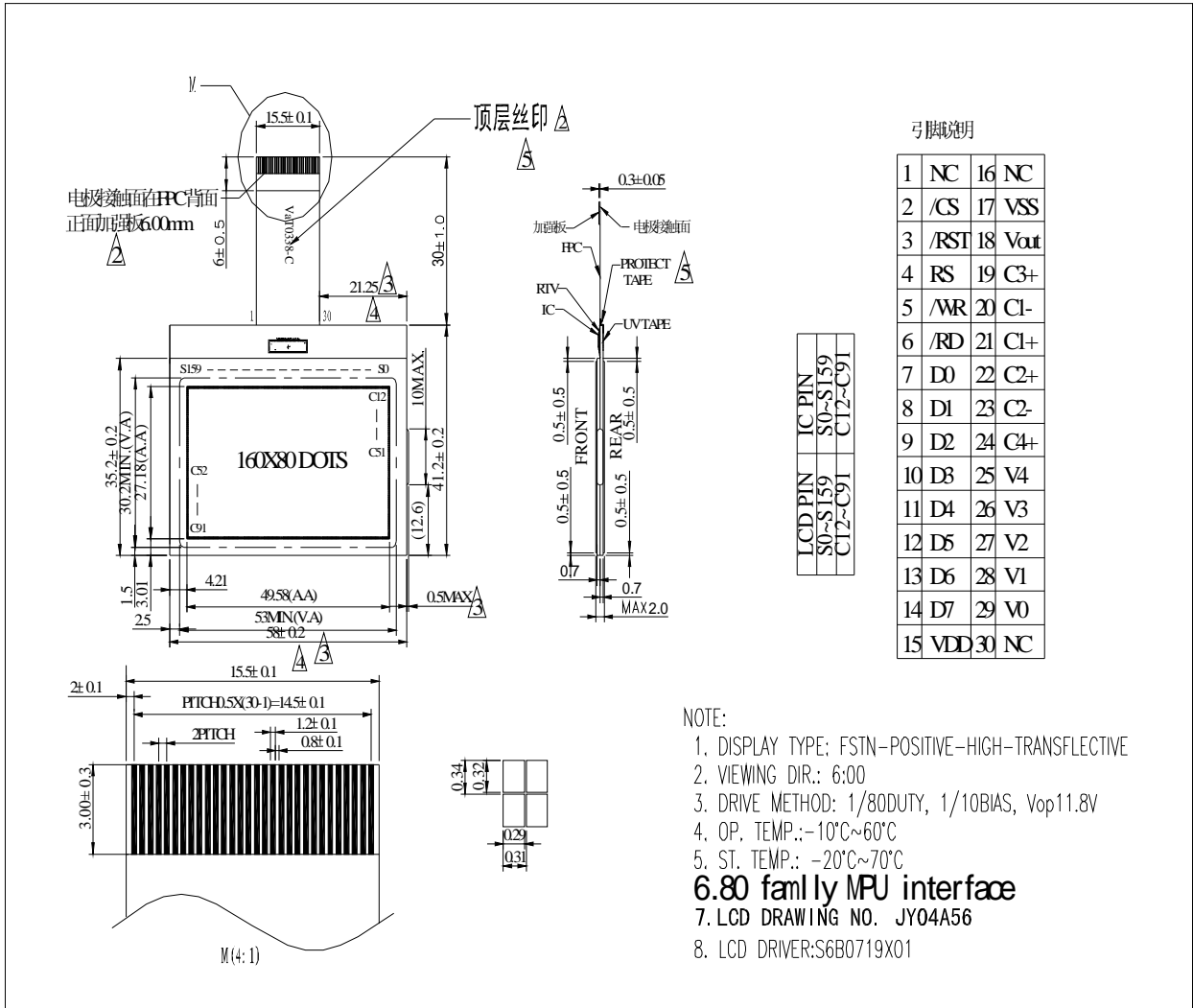
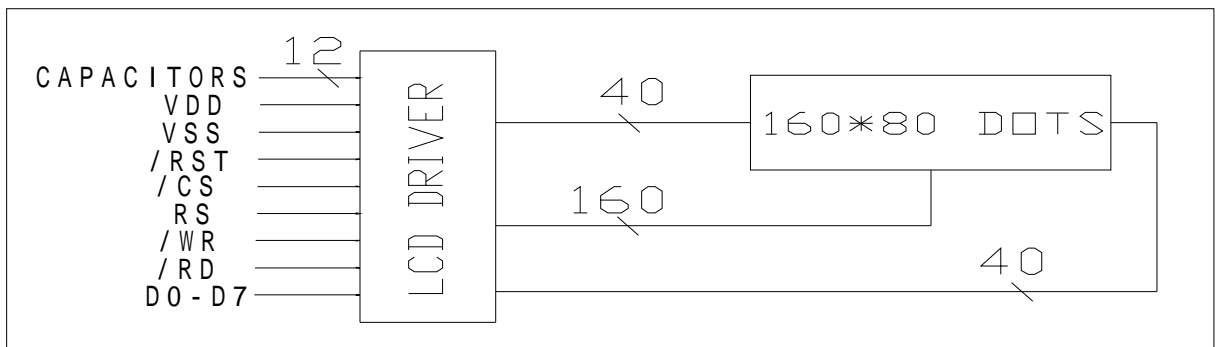


## 1.0 DIMENSIONAL DRAWING



## 2.0 BLOCK DIAGRAM



## 3.0 ELECTRICAL CHARACTERISTICS Ta=25 °C VDD=3.0V±0.25V

Item	Symbol	Test Condition	Standard Value			
			Min.	Typ.	Max.	Unit
Power Supply for Logic	VDD	25°C	2.8	3.0	3.2	V
LCD Operation Voltage	Vop.	25°C	11.6	11.8	12.0	V
LCM Current Consumption	Idd	25°C			1.0	mA

## 4.0 ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Standard Value		
		Min.	Max.	Unit
Power Supply for Logic	VDD	-0.3	7.0	V
LCD Operation Voltage	Vo.	-0.3	17.0	V
Input Voltage	Vin	-0.3	Vdd+0.3	V
Operating Temp	Top.	-10	60	°C
Storage Temp	Tst.	-20	70	°C

## 5.0 PIN ASSIGNMENT

Pin No.	Symbol	Description
1	NC	NC
2	/CS	L: CHIP SELECTED; H: CHIP DESELECTED
3	/RST	L: RESET;
4	RS	H: DATA; L: CONTROL
5	/WR	L: ENABLE; H: DISENABLE
6	/RD	L: ENABLE; H: DISENABLE
7-14	D0-D7	DATA BUS
15	VDD	+3.0V
16	NC	NC
17	VSS	GND
18	VOUT	à 1.0uFà VSS
19	C3+	à 1.0uFà C1-
20	C1-	à 1.0uFà C1+
21	C1+	à 1.0uFà C1-
22	C2+	à 1.0uFà C2-
23	C2-	à 1.0uFà C2+
24	C4+	à 1.0uFà C2-
25	V4	à 1.0uFà VSS
26	V3	à 1.0uFà VSS
27	V2	à 1.0uFà VSS
28	V1	à 1.0uFà VSS
29	V0	à 1.0uFà VSS
30	NC	NC

### Remark

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