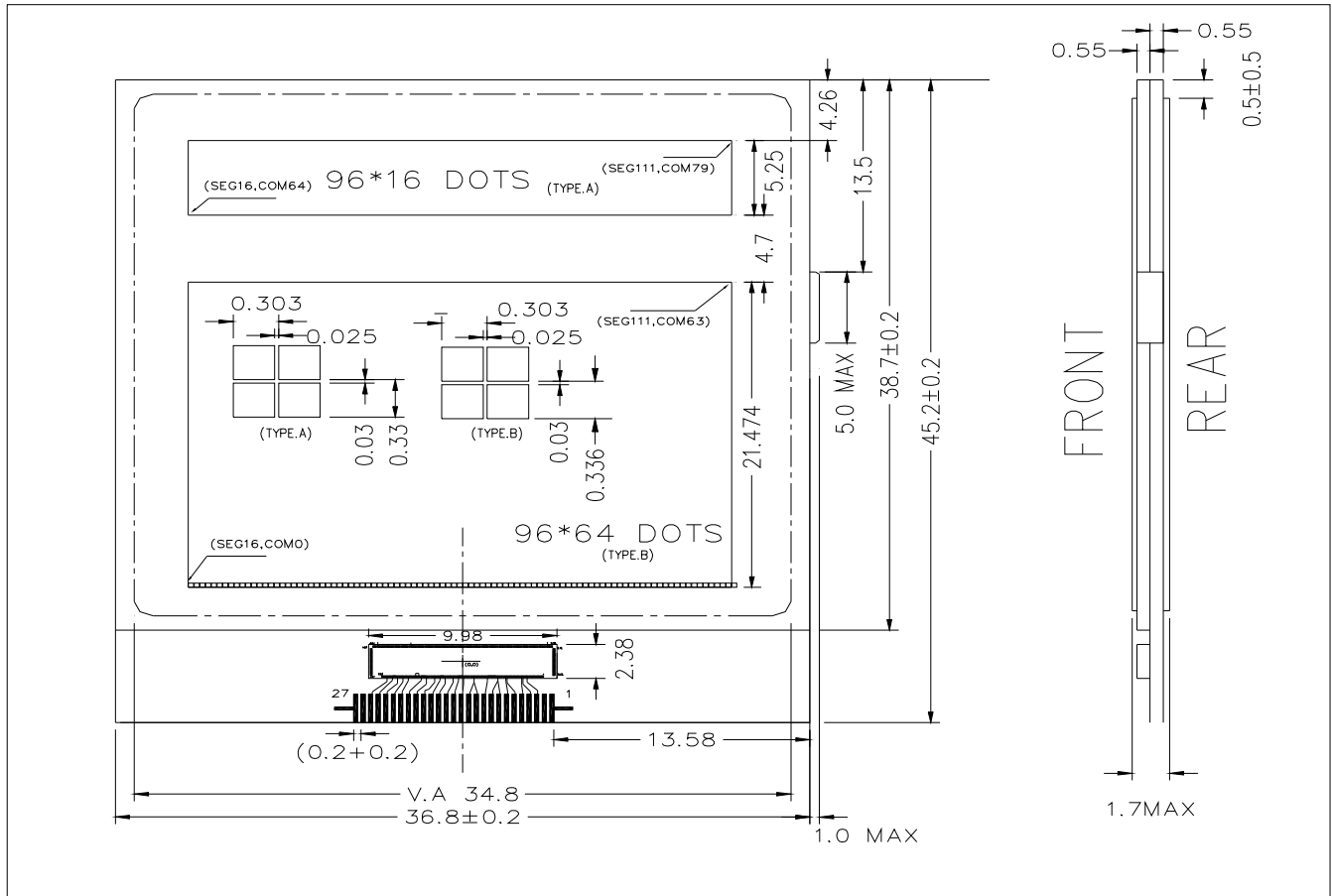
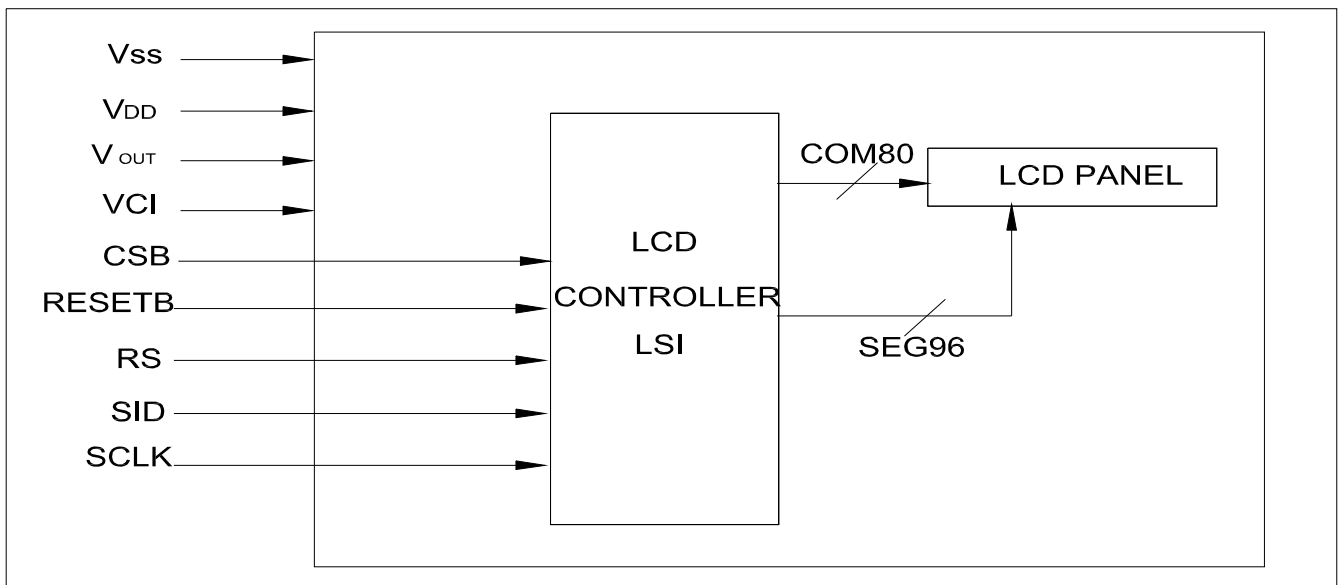


## 1.0 DIMENSIONAL DRAWING



## 2.0 BLOCK DIAGRAM



## 3.0 ELECTRICAL CHARACTERISTICS Ta=25 °C V<sub>DD</sub>=3.0V±0.25V

Item	Symbol	Test Condition	Standard Value			
			Min.	Typ.	Max.	Unit
Power Supply Voltage	V <sub>DD</sub> -V <sub>SS</sub>	25°C	2.75	3	3.25	V
LCD Operation Voltage	V <sub>OP</sub>			5	13	V
LCM Current Consumption	I <sub>DD</sub>			0.1	0.15	mA
Backlight Forward Voltage	V <sub>F</sub>			-	-	V

## 4.0 ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Test Condition	Standard Value		
			Min.	Max.	Unit
Supply Voltage (Logic)	$V_{DD}-V_{SS}$	25°C	-0.3	7	V
Supply Voltage (LCD)	$V_{DD}-V_{O}$		-0.3	17	V
Input Voltage	$V_{IN}$		-0.3	$V_{DD}+0.3$	V
Operating Temp.	$T_{OPR}$		0	50	°C
Storage Temp.	$T_{STG}$		-10	60	°C

## 5.0PIN ASSIGNMENT

PIN No.	Symbol	Description
1~2	NC	No connection
3	/CS	Chip select input pin
4	/RES	Reset the input pin
5	RS	Register select input pin
6	SID	Serial input data
7	SCLK	Serial input clock
8~9	VDD	Power supply(+)
10	VCI	Voltage converter input voltage pin
11~12	VSS	Power supply (GND0)
13	VOUT	Voltage converter input/output voltage pin
14	C5+	Capacitor 5 positive connection
15	C3+	Capacitor 3 positive connection
16	C1-	Capacitor 1 negative connection
17	C1+	Capacitor 1 positive connection
18	C2+	Capacitor 2 positive connection
19	C2-	Capacitor 2 negative connection
20	C4+	Capacitor 4 positive connection
21~25	V4~ V0	LCD drive supplies voltages
26~27	NC	No connection

### Remark

1. LCD option: TN,STN, FSTN .
2. Customized module.