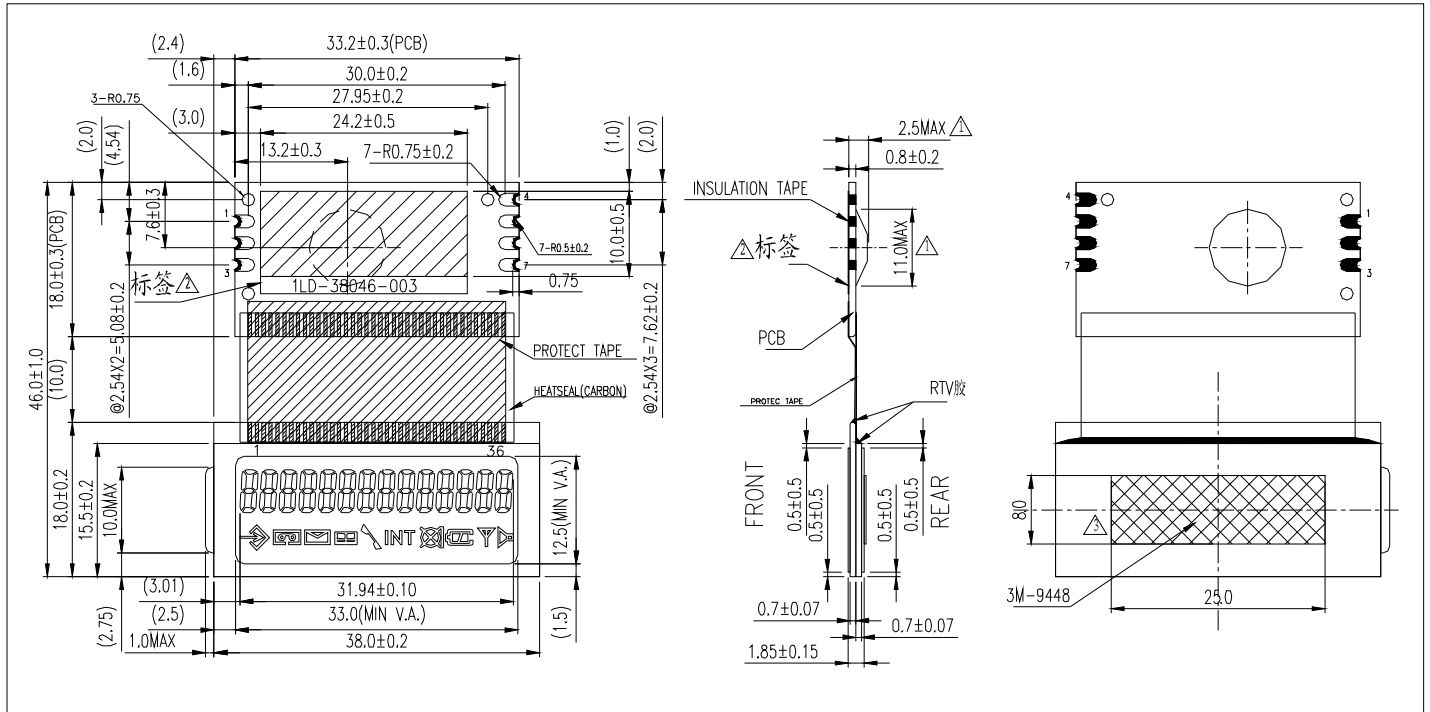
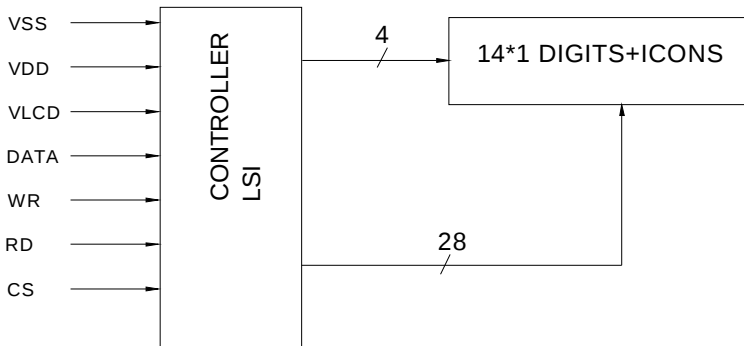


1.0 DIMENSIONAL DRAWING



2.0 BLOCK DIAGRAM



3.0 PIN ASSIGNMENT

Pin no.	Symbol	Function
1	VDD	Power supply voltage
2	VLCD	LCD operation voltage
3	VSS	Ground
4	DATA	Serial data input/output with pull-high resistor
5	WR	Write clock input
6	RD	Read clock input
7	CS	Chip select

4.0 ELECTRICAL CHARACTERISTICS

Unless otherwise specified, VSS = 0 V, VDD = 3.0 V ± 10%, Ta = -40 to 85°C

Item	Symbol	Test Condition	Standard Value			
			Min.	Typ.	Max.	Unit
Power Supply Voltage(Logic)	V _{DD} -V _{SS}	25°C	4.75	5.0	5.25	V
LCD Operation Voltage	V _{OP}	25°C FSTN	--	2.9	--	V
LCM Current Consumption	I _{DD}	25°C	-	2	3	mA
Backlight Forward Voltage	V _F		-	10.0	-	V

5.0 ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Test Condition	Standard Value		
			Min.	Max.	Unit
Supply Voltage (Logic)	V _{DD} -V _{SS}	25°C	-3.3	5.5	V
Supply Voltage (LCD)	V _{DD} -V _O		-0.3	VDD+0.3	V
Input Voltage	V _{IN}		-10	60	°C
Operating Temp.	T _{OPR}	-	-20	70	°C
Storage Temp.	T _{STG}	-	-3.3	5.5	V

Remark:

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