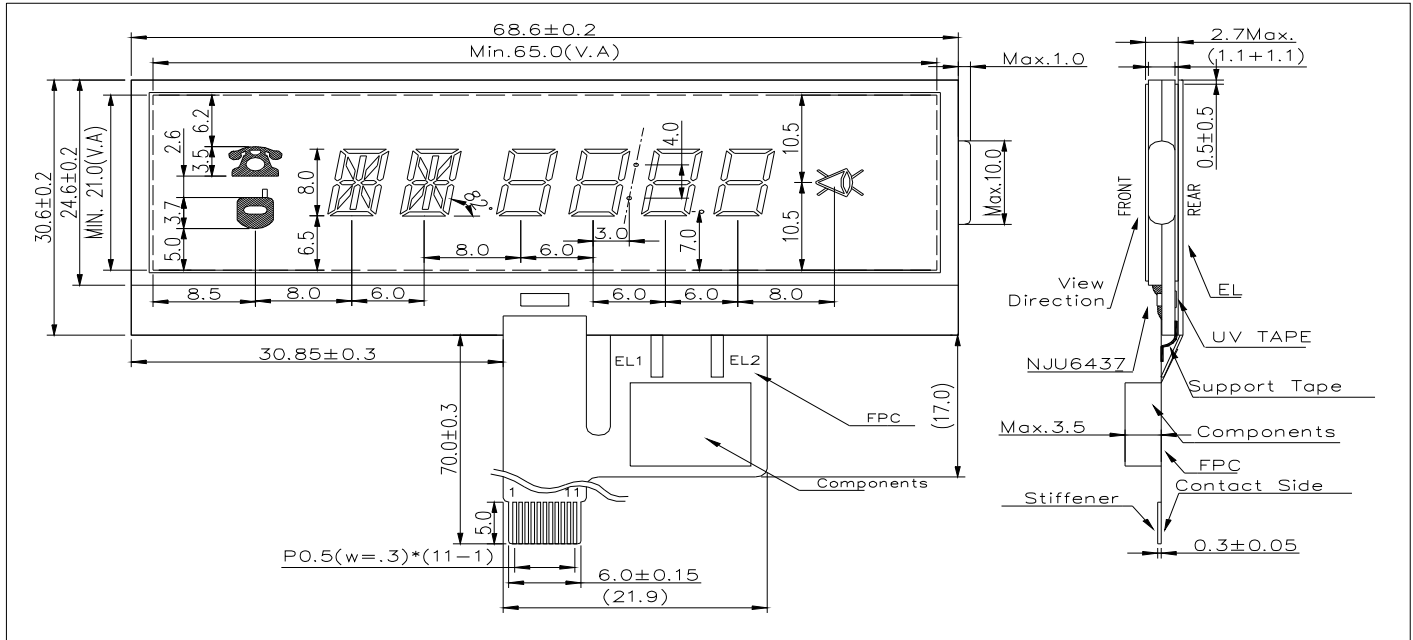
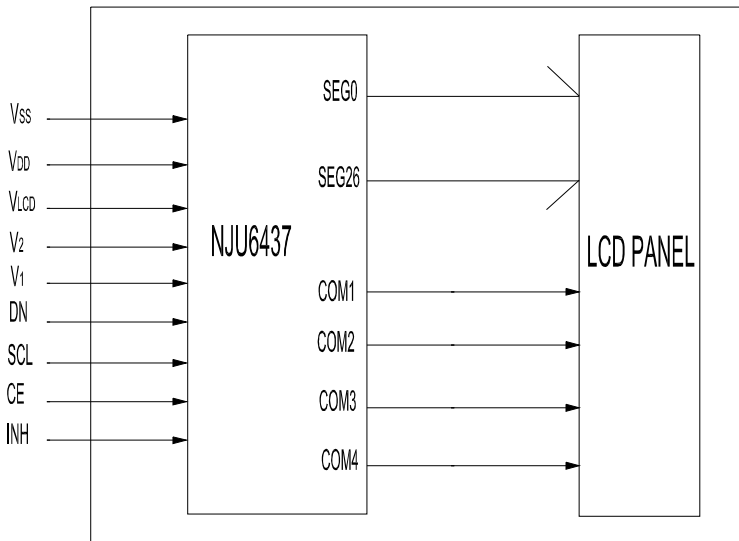


1.0 DIMENSIONAL DRAWING



2.0 BLOCK DIAGRAM



3.0 PIN ASSIGNMENT

Pin no.	Symbol	Function
1	V _{SS}	Power supply (GND)
2	V _{DD}	Power supply (+)
3	V _O	Power supply for LCD driving
4	V2	Contrast adjust
5	V1	Contrast adjust
6	DN	Serial data input terminal
7	SCL	Serial data transmission terminal
8	CE	Enable signal
9	INH	Display off control terminal
10	V _{SS}	Power supply (GND)
11	HON(EL)	EL enable

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

Item	Symbol	Test Condition		Standard Value			
				Min.	Typ.	Max.	Unit
Power Supply Voltage	$V_{DD}-V_{SS}$	25°C		2.75	3.0	3.25	V
LCD Operation Voltage	V_{OP}	25°C	TN	-	5	-	V
			STN	-	-	-	V
LCM Current Consumption	I_{DD}	25°C		-	2	3	mA
Backlight Forward Voltage	V_F			-	3	-	V

5.0 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	7	V
Input Voltage	V_{IN}		-0.3	$V_{DD}+0.3$	V
Operating Temp.	T_{OPR}	-	0	50	°C
Storage Temp.	T_{STG}	-	-20	70	°C

Remark

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