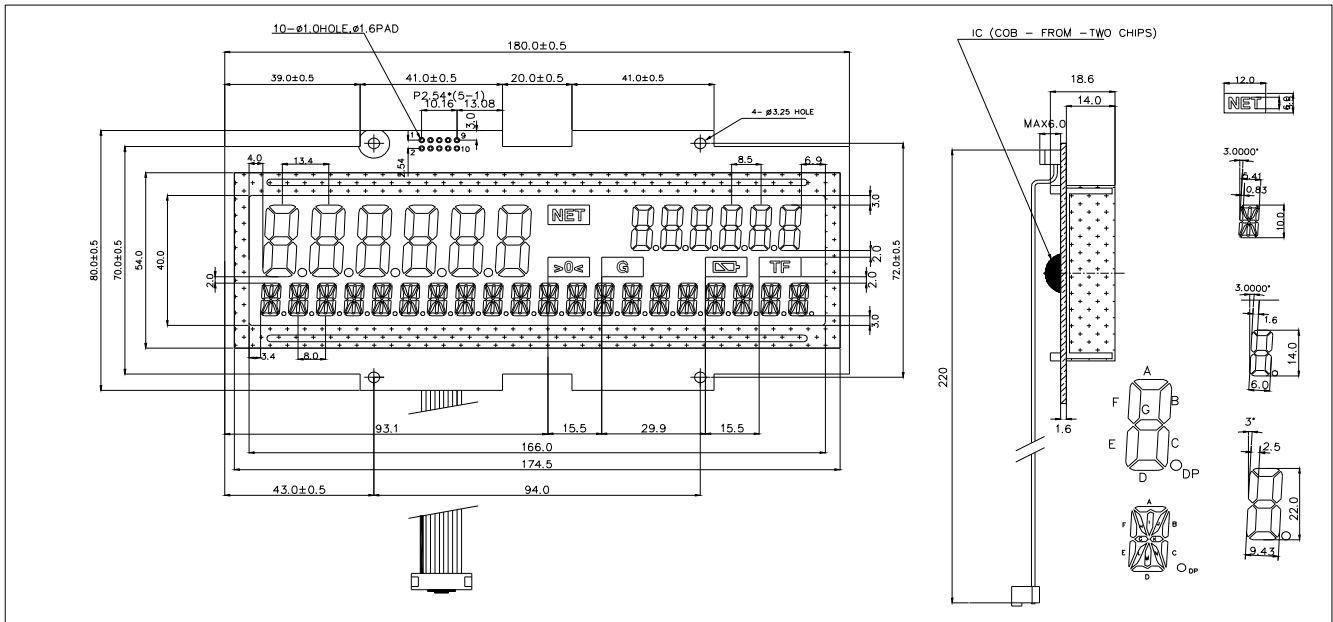
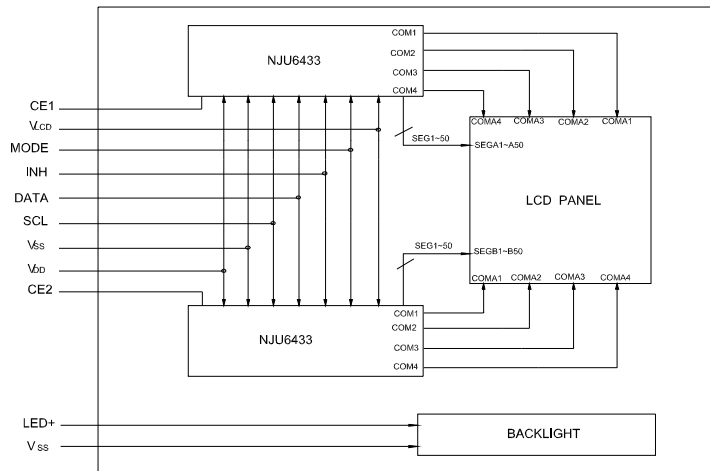


1.0 DIMENSIONAL DRAWING



2.0 BLOCK DIAGRAM



3.0 PIN ASSIGNMENT

Pin no.	Symbol	Function
1	V _{DD}	Power supply (+)
2	V _{SS}	Power supply (GND)
3	SCL	Serial data transmission clock
4	LED+	Power supply for LED+
5	DATA	Serial data input
6	INH	display-off control
7	MODE	Data or mode select
8	CE1	Enable signal 1
9	CE2	Enable signal 2
10	V _{LCD}	Power supply for LCD driving

4.0 ELECTRICAL CHARACTERISTICS Ta=25 °C V_{DD}=5.0V±0.25V

Item	Symbol	Test Condition	Standard Value			
			Min.	Typ.	Max.	Unit
Power Supply Voltage	V _{DD} -V _{SS}	25°C	4.75	5.0	5.25	V
LCD Operation Voltage	V _{OP}	25°C	-	5	-	V
				-	-	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	-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}	-	-10	60	°C

Remark

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