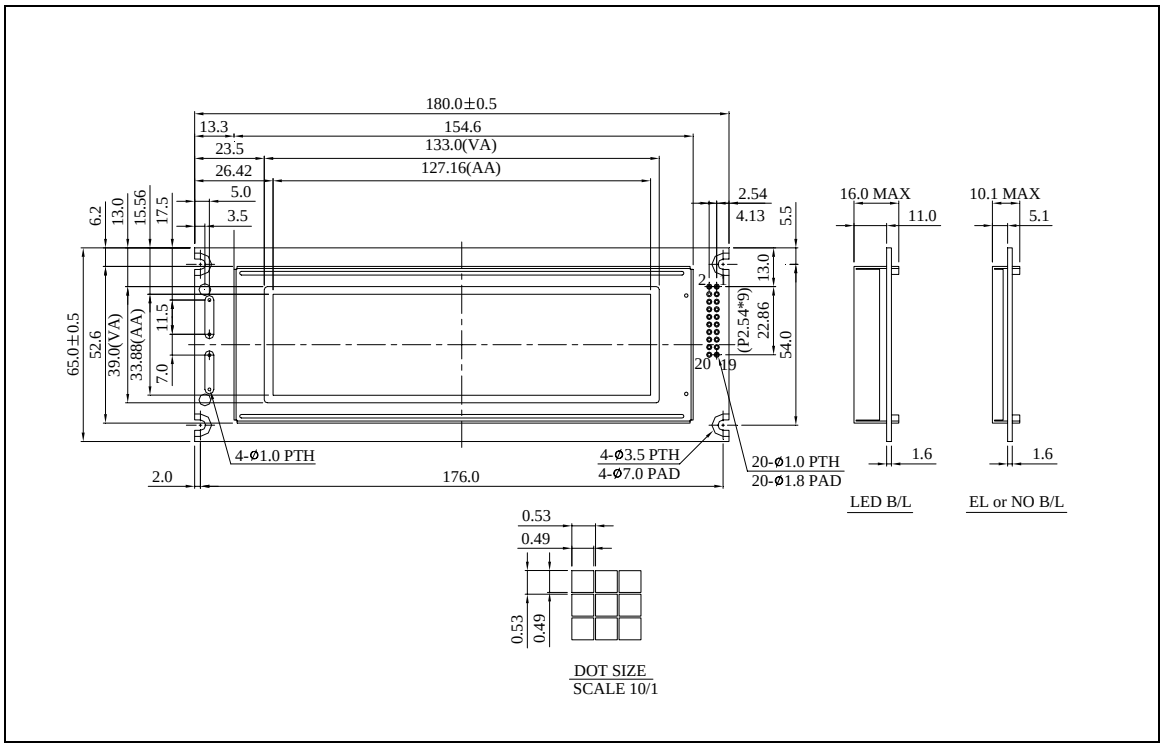
HG24064B 1/64DUTY



PIN CONNECTIONS

Pin	Symbol	Level	Function
1	V_{SS}	0V	Ground
2	V_{DD}	+5V	Power supply for Logic
3	V_0	-	Operating voltage for LCD
4	RS	H/L	"L" Data, "H" Instruction code
5	R/W	H/L	"H" Read, "L" Write
6	E	H/L	Enable signal
7 | 14	DB0 | DB7	H/L	Data bus line
15	/CS	L	Chip enable signal
16	/RES	L	Reset signal ,active "L"
17	V_{EE}	-	Negative voltage output
18	FG	-	Frame ground
19	A	-	Power supply for LED backlight
20	K	-	

NOTES:

1. Built-in LC7981/HD61830 controller
2. Built-in Negative Voltage generator
3. +5V power supply
4. Yellow-green mode/blue mode/FSTN optional

MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module Size (W x H X T)	180.0X65.0X16.0	mm
Viewing Area (W x H)	133.0X39.0	mm
Dot Pitch (W x H)	0.53 X0.53	mm
Dot Size (W x H)	0.49X0.49	mm

ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage (Logic)	V_{DD}-V_{SS}	-0.3	7	V
Supply Voltage (LCD)	V_{DD}-V_0	0	15	V
Input Voltage	V_I	0	V_{DD}	V
Operating Temp.	T_{OPR}	-20	+70	℃
Storage Temp.	T_{STG}	-30	+80	℃

ELECTRICAL CHARACTERISTICS (V_{DD}=5.0V, Ta=25℃)

Item	Symbol	Min.	Typ.	Max.	Unit
Input High Voltage	V_{IH}	2.2	-	V_{DD}	V
Input Low Voltage	V_{IL}	0	-	0.8	V
Output High Voltage	V_{OH}	2.4	-	V_{DD}	V
Output Low Voltage	V_{OL}	0	-	0.4	V
Supply Current	I_{DD}	-	15	-	mA
LCD Driving Voltage	V_{DD}-V_0	-	12.1	-	V

LED BACKLIGHT SPECIFICATIONS (Ta=25℃)

Item	Forward Voltage	Forward Current
YELLOW-GREEN	4.2V	660mA
WHITE	3.5V	80mA