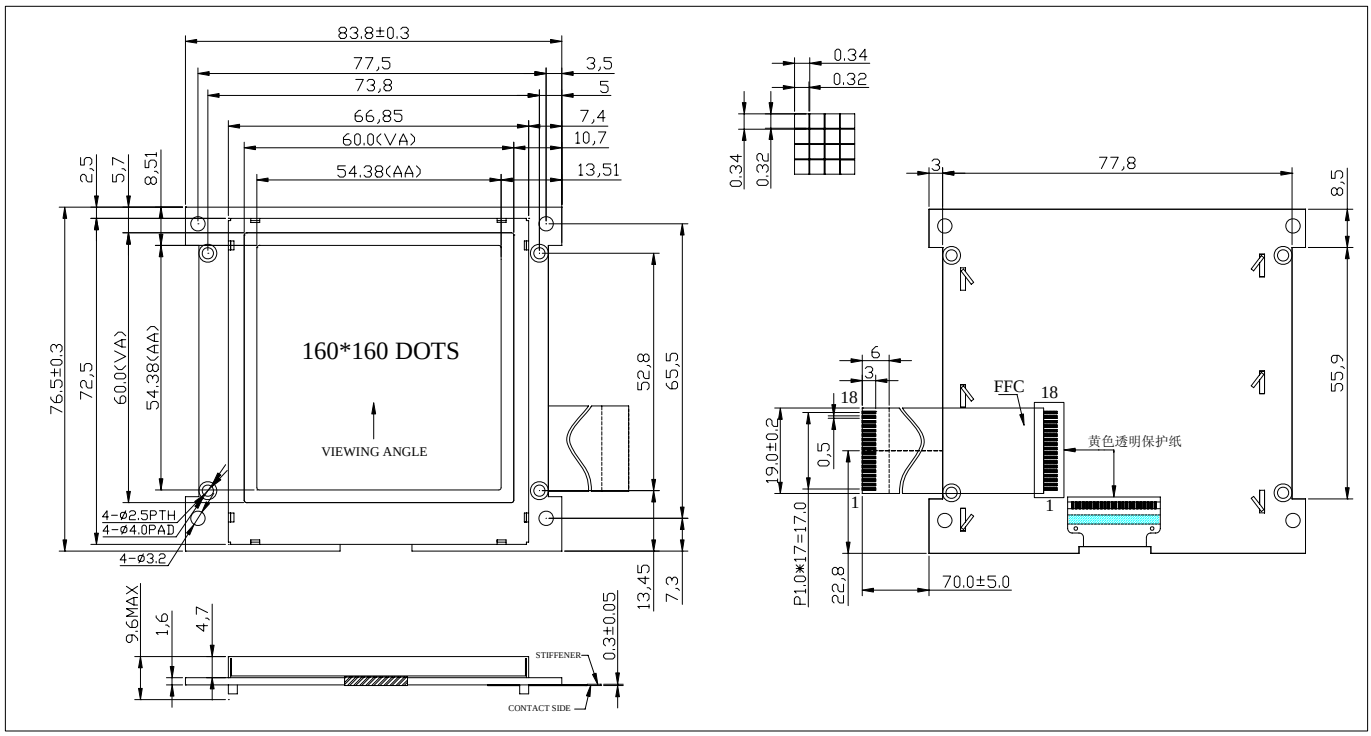
HGO1601603 1/160DUTY 1/10BIAS



PIN CONNECTIONS

Pin	Symbol	Level	Function
1	V_{SS}	0V	GND
2	A0	H/L	"H" Data "L" Instruction code
3	/WR	L	Write signal
4	/RD	L	Read signal
5	/CS	L	Chip enable signal
6	/REST	L	Reset signal ,active "L"
7	V_{DD}	3.3V	Logic Power supply
8 | 15	DB0 | DB7	H/L	Data bus line
16	K	0V	Power supply for LED-
17	NC	-	No connection
18	A	3.3V	Power supply for LED+

NOTES:

1. Built-in controller
2. FSTN、COG

MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module Size（W x H x T）	83.8X76.5X9.6	mm
Viewing Area (W x H)	60.0 X60.0	mm
Dot Pitch (W x H)	0.34X0.34	mm
Dot Size (W x H)	0.32X0.32	mm

ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage (Logic)	V_{DD}-V_{SS}	-0.3	4.0	V
Supply Voltage (LCD)	V_0	-0.3	19.8	V
Input Voltage	V_I	-0.3	V_{DD}+0.3	V
Operating Temp.	T_{OPR}	-25	75	℃
Storage Temp.	T_{STG}	-30	80	℃

ELECTRICAL CHARACTERISTICS (V_{DD}=3.3V, Ta=25℃)

Item	Sym.	Min.	Typ.	Max.	Unit
Input High Voltage	V_{IH}	0.5V_{DD}	3.3	V_{DD}	V
Input Low Voltage	V_{IL}	0	-	0.2V_{DD}	V
Output High Voltage	V_{OH}	2.4	-	V_{DD}	V
Output Low Voltage	V_{OL}	0	-	0.4	V
Supply Current	I_{DD}	-	TBD	-	mA
LCD Driving Voltage	V_0	-	16.5	-	V

LED BACKLIGHT SPECIFICATIONS (Ta=25℃)

Item	Forward Voltage	Forward Current
White	3.1V	60mA