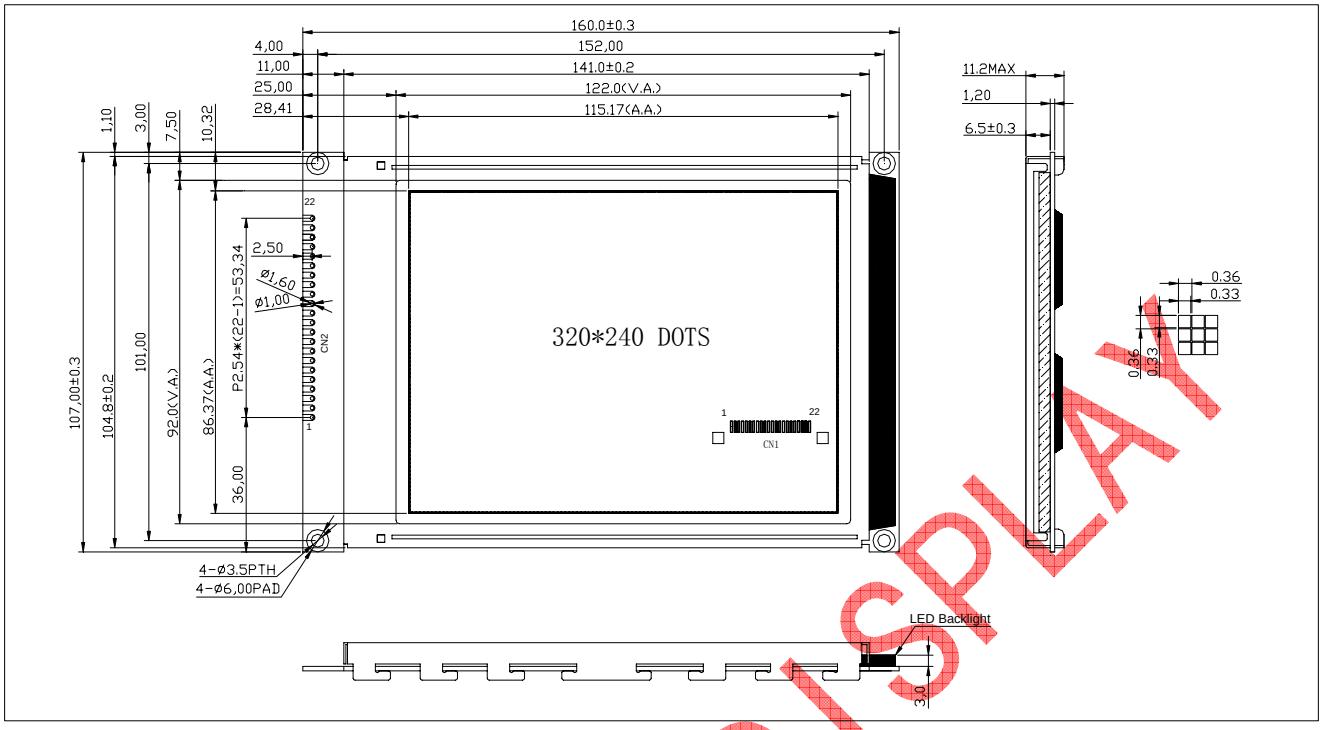
HG32024017 1/240DUTY 1/17BIAS



PIN CONNECTIONS（CN1、CN2）

Pin	Symbol	Level	Function
1	V_{SS}	0V	GND
2	V_{DD}	+5V	Power supply for logic
3	V_O	-	Operating voltage for LCD
4	/WR	L	Write signal
5	/RD	L	Read signal
6	/CS	H/L	Chip select,Active L
7	A0	H/L	“L” Instruction code “H” Data
8	/REST	L	Reset signal,active”L”
9 | 16	DB0 | DB7	H/L	Data bus line
17	NC/ LED+	-/ +5V	No connection/ Power supply for LED+
18	VEE	-	Negative Voltage output
19	INT	-	Programmable interrupt
20	BUSY	-	Busy signal
21	LEDA	+5V	Power suply for LED
22	LEDK	0V	

*NOTES:*1.Built-in controller(RA8803)

2.LED can be driven by pin 17 or pin 21 and pin 22

MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module Size（W x H x T）	160.0X107.0X11.2	mm
Viewing Area (W x H)	122.0 X92.0	mm
Dot Pitch (W x H)	0.36X0.36	mm
Dot Size (W x H)	0.33X0.33	mm

ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage(Logic)	V_{DD}-V_{SS}	0	6.5	V
Supply Voltage(LCD)	V_{DD}- V_O	0	28	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	Sym.	Min.	Typ.	Max.	Unit
Input High Voltage	V_{IH}	0.5V_{DD}	-	V_{DD}	V
Input Low Voltage	V_{IL}	0	-	0.2V_{DD}	V
Output High Voltage	V_{OH}	V_{DD}-0.4	-	V_{DD}	V
Output Low Voltage	V_{OL}	0	-	V_{SS}+0.4	V
Supply Current	I_{DD}	-	100	-	mA
LCD Driving Voltage	V_{DD}- V_O	-	23	-	V

LED BACKLIGHT SPECIFICATION (Ta=25℃)

Item	Forward Voltage	Forward Current
WHITE	3.1V	180mA