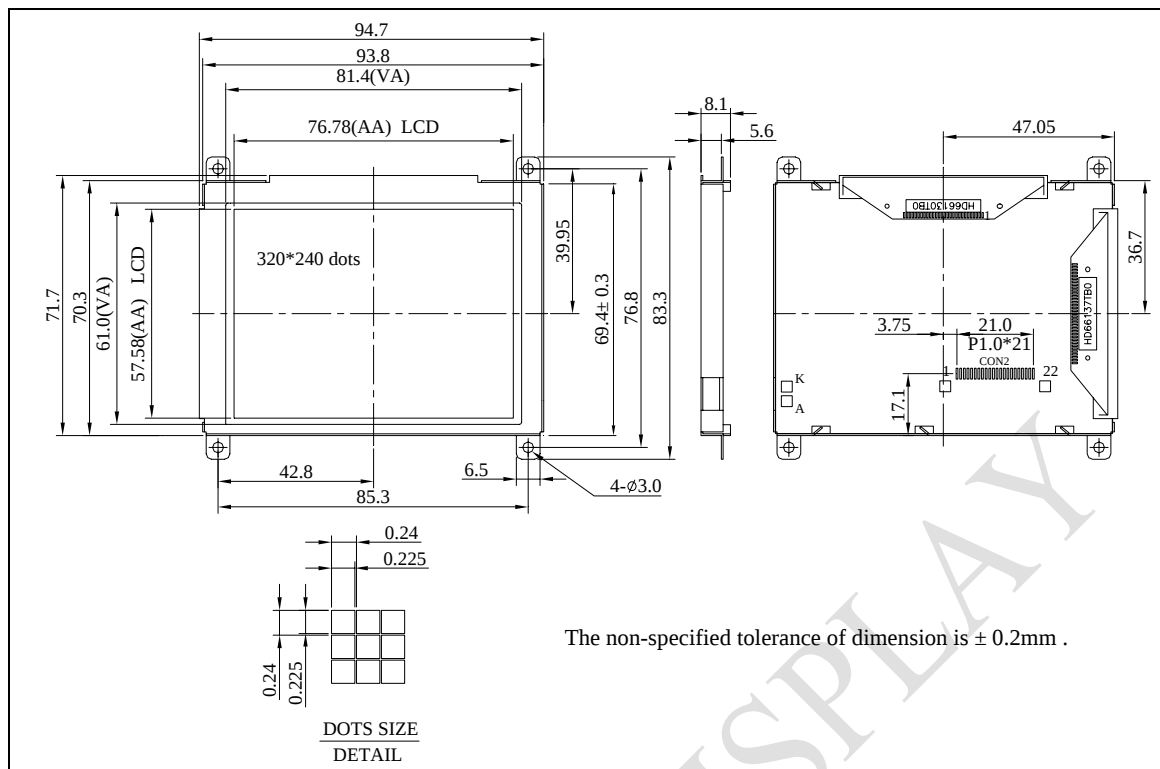


HGO320240E

1/240DUTY



PIN CONNECTIONS

Pin	Symbol	Level	Function
1	V _{SS}	0V	Ground
2	V _{DD}	3.3V	Power supply for Logic
3	V _O	-	Driving voltage for LCD
4	A0	H/L	“L” Data, “H” Instruction code
5	/WR	L	8080 : Write signal
6	/RD	L	8080 : Read signal
7 14	DB0 DB7	H/L	Data bus line
15	/CS	L	Chip select ,Active L
16	/RST	L	Reset signal ,active “L”
17	V _{EE}	-	Positive Voltage output
18	SEL1	H/L	H: 68 interface L: 80 interface
19	A	-	Power supply for LED backlight
20	K	-	

NOTES:

1. Built-in SED1335/RA8835 controller
2. 5/3.3V power supply optional
3. Touch panel optional
4. Blue mode/FSTN optional

MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module Size (W x H x T)	94.7X83.3X8.1	mm
Viewing Area (W x H)	81.4X61.0	mm
Dot Pitch (W x H)	0.24 X0.24	mm
Dot Size (W x H)	0.225X0.225	mm

ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage (Logic)	$V_{DD}-V_{SS}$	0	3.5	V
Supply Voltage (LCD)	$V_0- V_{SS}$	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 ($V_{DD}=3.3V$, $T_a=25^\circ C$)

Item	Symbol	Min.	Typ.	Max.	Unit
Input High Voltage	V_{IH}	$0.5 V_{DD}$	-	V_{DD}	V
Input Low Voltage	V_{IL}	0	-	$0.2 V_{DD}$	V
Output High Voltage	V_{OH}	2.4	-	V_{DD}	V
Output Low Voltage	V_{OL}	0	-	0.4	V
Supply Current	I_{DD}	-	30	-	mA
LCD Driving Voltage	V_0 - V_{SS}	-	18.7	-	V

LED BACKLIGHT SPECIFICATIONS (Ta=25)

Item	Forward Voltage	Forward Current
White	3.5V	120mA