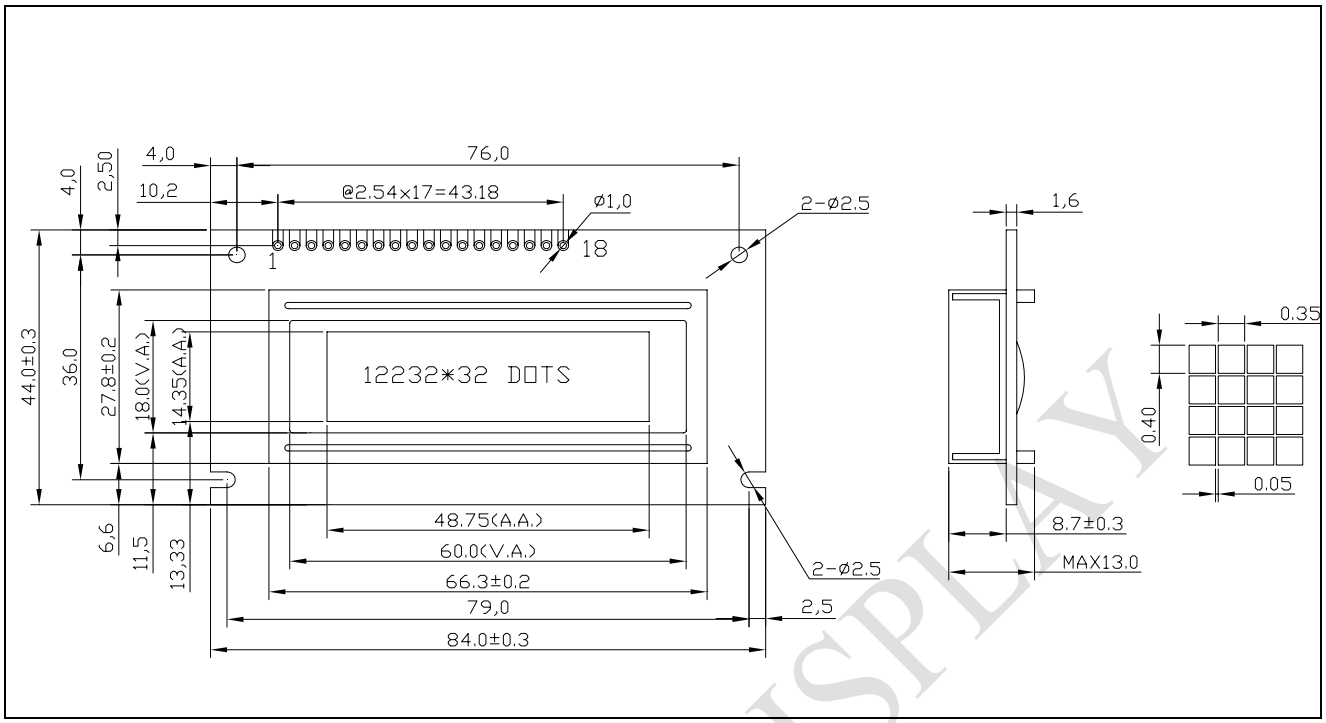
HG122321 1/32DUTY 1/6BIAS



PIN CONNECTIONS

Pin	Symbol	Level	Function
1	V_{DD}	+5V	Power supply for logic
2	V_{SS}	0V	GND
3	V_O	-	Operating voltage for lcd
4	/REST	L	Reset signal, active “L”
5	E1	H/L	Chip 1 Enable signal
6	E2	H/L	Chip 2 Enable signal
7	R/W	H/L	“H” Read, “L” Write
8	A0	H/L	“H” Data, “L” Instruction code
9	DB0	H/L	Data bus line
10	DB1	H/L	
11	DB2	H/L	
12	DB3	H/L	
13	DB4	H/L	
14	DB5	H/L	
15	DB6	H/L	
16	DB7	H/L	
17	LEDA	+5V	Power supply for LED backlight
18	LEDK	0V	

NOTES:

1. Built-in SED1520 controller
2. Yellow green/blue mode optional

MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module Size （W x H x T）	84.0X44.0X13.0	mm
Viewing Area (W x H)	60.0X18.0	mm
Dot Pitch (W x H)	0.40X0.45	mm
Dot Size (W x H)	0.35X0.40	mm

ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage (Logic)	V_{DD}-V_{SS}	-0.3	7.0	V
Supply Voltage (LCD)	V_{DD}-V_O	-0.3	13.5	V
Input Voltage	V_I	-0.3	V_{DD}+0.3	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}	2.0	-	V_{DD}	V
Input Low Voltage	V_{IL}	-0.3	-	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}	-	0.4	0.8	mA
LCD Driving Voltage	V_{DD}-V_0	-	5.0	-	V

LED BACKLIGHT SPECIFICATIONS (Ta=25℃)

Item	Forward Voltage	Forward Current
YELLOW-GREEN	4.1V	120mA
White	3.1V	15mA

TSTN-LCD DISPLAY