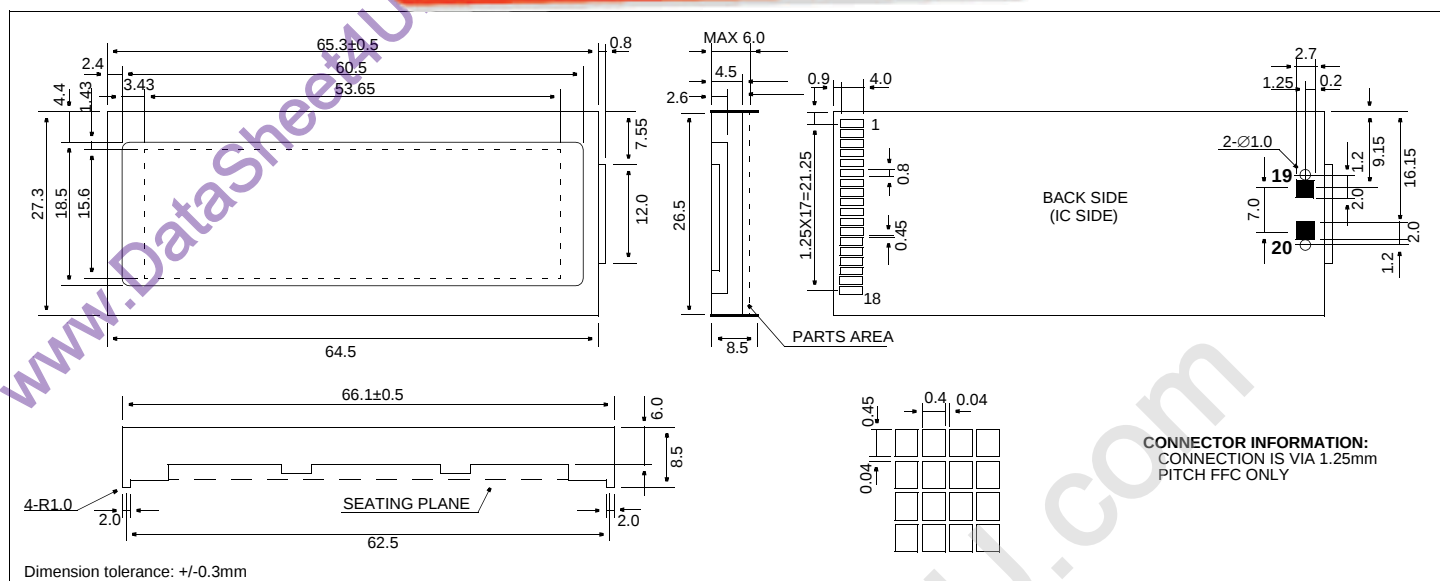


HDM32GS12Y-3

Dimensional Drawing

液晶之友 电话: 020-33819057
Http://www.lcdfriends.com

122 X 32 Dots Graphic, Small Size



Features

Backlight.....	EL Optional
Options.....	Gray STN / Yellow STN
	Normal/Extended Temperature
	Bottom / Top Viewing
Built-in Controller.....	SED1520DAA

Physical Data

Module Size.....	66.1W x 27.3H x 8.5 mm
Viewing Area Size.....	60.5W x 18.5H mm
Dot Pitch.....	0.44W x 0.49H mm
Dot Size.....	0.40W x 0.45H mm
Weight.....	17g

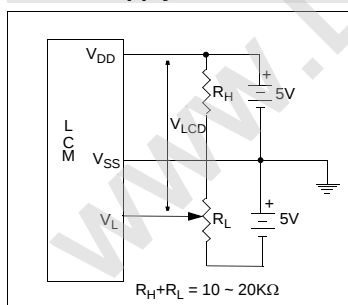
Electrical Characteristics (VDD=5.0±0.25V 25°C)

PARAMETER	SYM	CONDITION	MIN	TYP	MAX	UNIT
INPUT HIGH VOLTAGE	V_{IH}	-	0.8 V_{DD}	-	-	V
INPUT LOW VOLTAGE	V_{IL}	-	-	-	0.2 VDD	V
POWER SUPPLY FOR LCD	$V_{DD}-V_L$	$T_A = 25^{\circ}C$		5.4		V
POWER SUPPLY CURRENT	I_{DD}	$V_{DD} = 5.0V$	-	0.4	.06	mA
POWER CURRENT FOR EL	I_{EL}	$V_{BL} = 110VAC$ 400Hz		2.1	3.5	mA
DRIVE METHOD	1/32 DUTY					

Pin Connections

PIN NO.	SYMBOL	FUNCTION	
1	$A\bar{O}$	H/L	L = Instruction, H = Data
2	$\overline{CS}2$	L	Chip select
3	$\overline{CS}1$	L	Chip select
4	CL	H/L	External clock (2kHz)
5	$\overline{RD}(E)$	-	$\overline{RD}$ (80 series), E (68 series)
6	$\overline{WR}$ (R/W)	-	$\overline{WR}$ (80 series), R/W (68 series)
7	V_{SS}	OV	Ground
8	DB0	H/L	Data bus
9	DB1	H/L	
10	DB2	H/L	
11	DB3	H/L	
12	DB4	H/L	
13	DB5	H/L	
14	DB6	H/L	
15	DB7	H/L	
16	V_{DD}	5V	Power supply for logic
17	RES	H/L	L = 80 series, H = 68 series
18	V_L	-	Operating voltage for LC
19	V_{EL}	-	Power supply for EL backlight
20	V_{EL}	-	

Power Supply



Absolute Maximum Ratings

PARAMETER	SYMBOL	MIN	MAX	UNIT
SUPPLY VOLTAGE	$V_{DD}-V_{SS}$	0	6.3	V
INPUT VOLTAGE	V_{IN}	-	6.3	V
OPERATING TEMPERATURE	T_{OP}	0	50	°C
STORAGE TEMPERATURE	T_{STG}	-20	70	°C