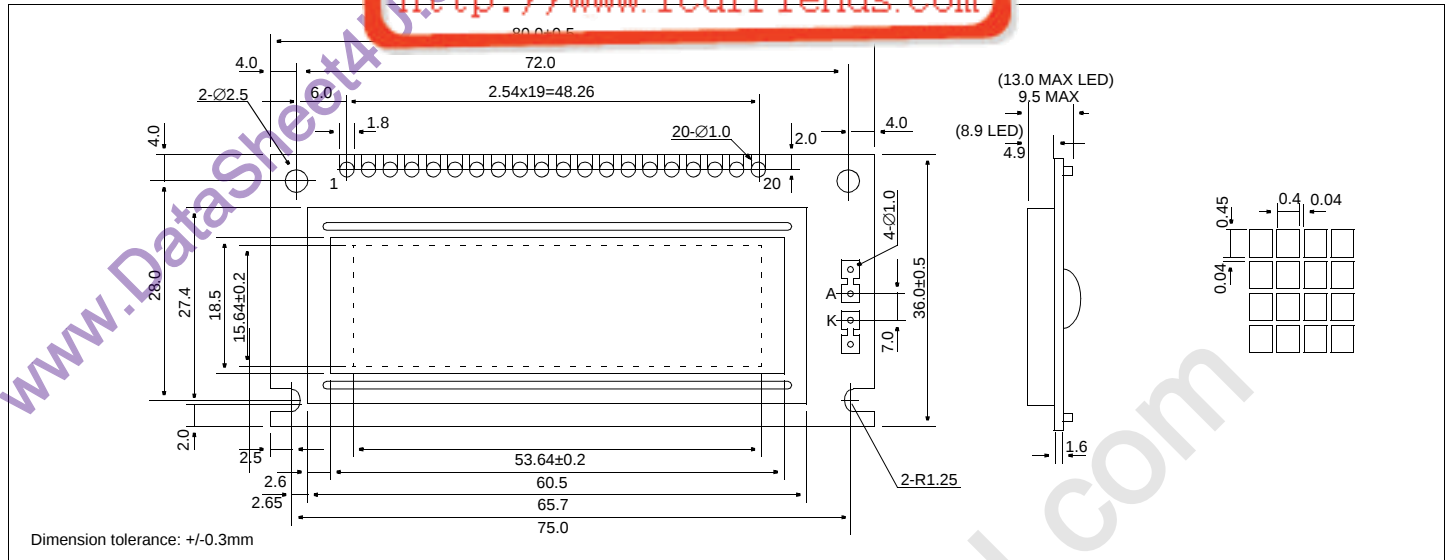


HDM 32GS12_-1

Dimensional Drawing

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

122 X 32 Dots Graphic



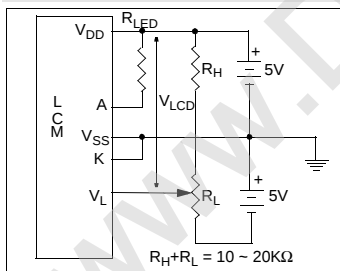
Features

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

Physical Data

Module Size.....80.0W x 36.0H x 13.0T 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.....28g

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

Pin Connections

PIN NO.	SYMBOL	FUNCTION	
1	V_{SS}	0V	Ground
2	V_{DD}	5V	Power supply for logic
3	V_L	-	Operating voltage for LC
4	A_0	H/L	L = Instruction, H = Data
5	CS1	L	Chip select
6	CS2	L	Chip select
7	CL		External clock (2kHz)
8	RD (E)	-	RD (80 series), E (68 series)
9	WR (R/W)	-	WR (80 series), R/W (68 series)
10	DB0	H/L	Data bus
11	DB1	H/L	
12	DB2	H/L	
13	DB3	H/L	
14	DB4	H/L	
15	DB5	H/L	
16	DB6	H/L	
17	DB7	H/L	
18	RES	H/L	L = 80 series, H = 68 series
19	A	-	Power supply for LED backlight
20	K	-	

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 V_{DD}	V
POWER SUPPLY CURRENT	I_{DD}	$V_{DD}=5.0V$	-	0.27	-	mA
POWER SUPPLY FOR LCD	$V_{DD}-V_L$	$T_A=25^\circ C$	3.0	-	11.0	V
LED CURRENT	I_{LED}	$V_{LED}=4.2V$	-	200	-	mA
DRIVE METHOD	1/32 DUTY					