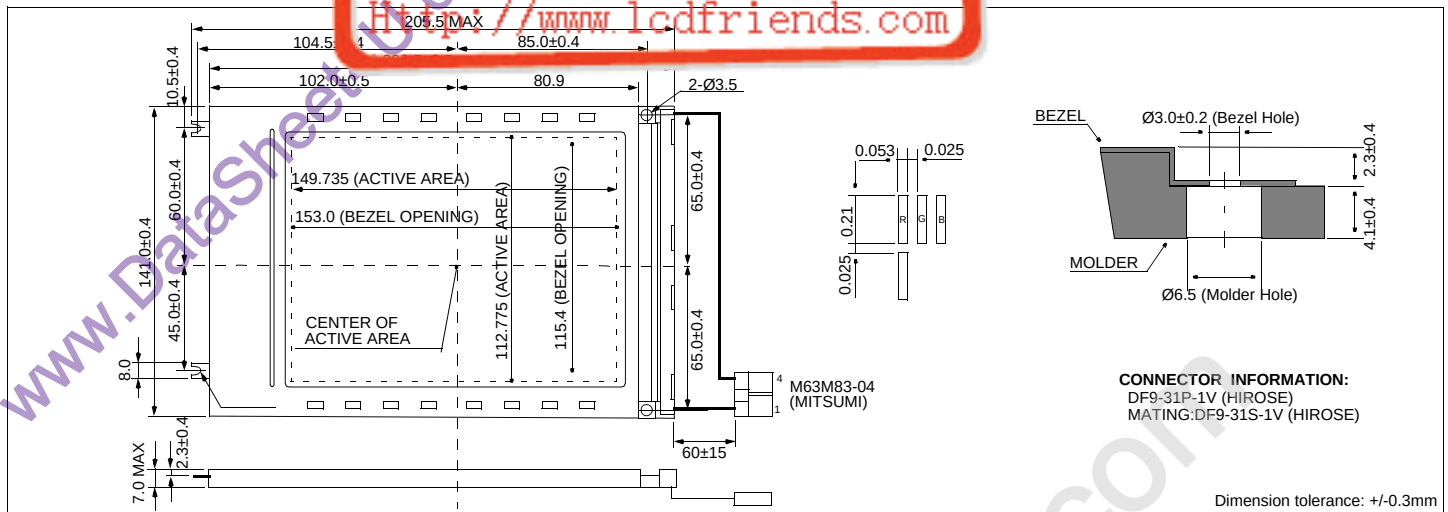


HDM6448SC

Dimensional Drawing



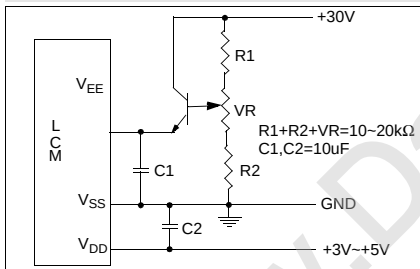
Features

Backlight.....CCFL
Options.....Color RGB
Bottom Viewing
Built-in Controller.....None

Physical Data

Module Size.....205.5W x 141.0H x 7.7 mm
Viewing Area Size.....153.0W x 115.4H mm
Dot Pitch.....0.078W x 0.235H mm
Dot Size.....0.053W x 0.21H mm
Weight.....310g

Power Supply



Absolute Maximum Ratings

PARAMETER	SYMBOL	MIN	MAX	UNIT
SUPPLY VOLTAGE	$V_{DD}-V_{SS}$	-0.3	6.5	V
SUPPLY VOLTAGE FOR LCD	$V_{EE}-V_{SS}$	0	42.0	V
INPUT VOLTAGE	V_{IN}	-0.3	6.8	V

Electrical Characteristics ($V_{DD}=5.0\pm 0.25V$ 25°C)

PARAMETER	SYM	CONDITION	MIN	TYP	MAX	UNIT
INPUT HIGH VOLTAGE	V_{IH}	-	0.8 V_{DD}	-	V_{DD}	V
INPUT LOW VOLTAGE	V_{IL}	-	0	-	0.2 V_{DD}	V
SUPPLY VOLTAGE	V_{DD}	-	4.5	5.0	5.5	V
	$V_{EE}-V_{SS}$	25°C	23.3	23.5	23.6	V
LOGIC CURRENT	I_{DD}	$V_{DD}=5V$	-	18.8	28.5	mA
LCD CURRENT	I_{EE}	$V_{DD}=5V$	-	8.0	12.5	mA
DRIVE METHOD	1/240 DUTY					

Pin Connections

PIN NO.	SYMBOL	LEVEL	FUNCTION
DATA CONNECTOR			
1	FLM	H	First Line Marker
2	M	H/L	AC signal for LCD
3	DISPOFF	H/L	H=On, L=Off
4	CL1	H	Latch pulse
5	V_{SS}	0V	Ground
6	CL2	H	Data shift clock
7	V_{SS}	0V	Ground
8	UD0	H/L	Upper data bus
9	UD1	H/L	
10	UD2	H/L	
11	UD3	H/L	
12	UD4	H/L	
13	UD5	H/L	
14	UD6	H/L	
15	UD7	H/L	Lower data bus
16	UD0	H/L	
17	LD1	H/L	
18	LD2	H/L	
19	LD3	H/L	
20	LD4	H/L	
21	LD5	H/L	
22	LD6	H/L	
23	LD7	H/L	
24	V_{DD}	5V	Power supply for logic
25	V_{SS}	0V	Ground
26	V_{SS}	0V	Ground
27	V_{EE}	-	Operating voltage for LC
28	V_{EE}	-	Operating voltage for LC
29	V_{EE}	-	Operating voltage for LC
30	NC	-	No Connection
31	NC	-	No Connection
CCFL CONNECTOR			
1	V_{CFL}	-	Power supply for CCFL
2	NC	-	No Connection
3	NC	-	No Connection
4	V_{CFL}	-	CCFL Ground