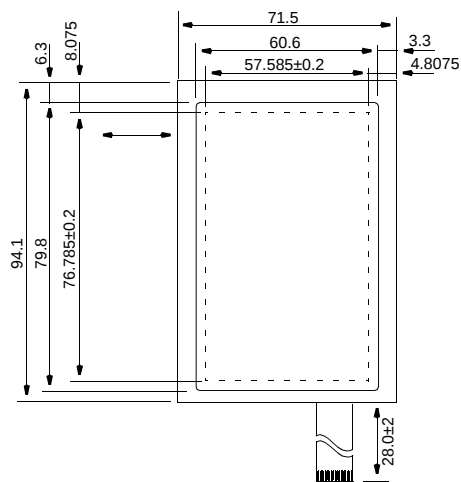


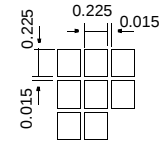
HDM2432L-T

Dimensional Drawing

240 X 320 Dots Graphic (Portrait Mode) White LED Backlight



CONNECTOR INFORMATION:
SUPPLIED WITH 0.5mm FFC
MATING: MOLEX 52746-2090



Dimension tolerance: +/-0.3mm

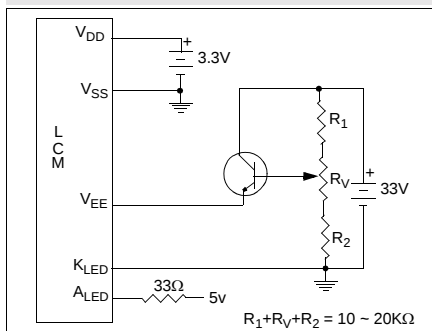
Features

Backlight.....White LED
Options.....Black and White FSTN
Extended Temperature
Bottom Viewing
Built-in Controller.....None

Physical Data

Module Size.....71.5W x 94.1H x 7.9T mm
Viewing Area Size.....60.6W x 79.8H mm
Dot Pitch.....0.24W x 0.24H mm
Dot Size.....0.225W x 0.225H mm
Weight.....59g

Power Supply



Absolute Maximum Ratings

PARAMETER	SYMBOL	MIN	MAX	UNIT
SUPPLY VOLTAGE	V _{DD} -V _{SS}	-0.3	7.0	V
SUPPLY VOLTAGE FOR LCD	V _{DD} -V _{EE}	-0.3	30.0	V
INPUT VOLTAGE	V _{IN}	-0.3	V _{DD}	V
OPERATING TEMPERATURE	T _{OP}	-0	50	°C
STORAGE TEMPERATURE	T _{STG}	-20	70	°C

Pin Connections

PIN NO.	SYMBOL	LEVEL	FUNCTION
1	V _{DD}	3.3V	Power supply for logic
2	SGND	-	Shield Ground
3	V _{EE}	-	Power supply for LCD
4	FLM	H/L	First Line Marker
5	DISP ENA	H/L	H = Display ON, L = Display OFF
6	M	H/L	AC signal
7	CL1	H/L	Data Latch clock
8	CL2	H/L	Data shift clock
9	V _{SS}	0V	Ground
10	D0	H/L	Display data
11	D1	H/L	
12	D2	H/L	
13	D3	H/L	
14	V _{SS}	0V	Ground
15	LED +	-	Anode for LED
16	LED-	-	Cathode for LED
17	N/C		No Connection
18	N/C		
19	N/C		
20	N/C		

Electrical Characteristics (VDD=3.3±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
OUTPUT HIGH VOLTAGE	V _{OH}	I _{OH} =0.4mA	V _{DD} -0.4	-	-	V
OUTPUT LOW VOLTAGE	V _{OL}	I _{OL} =0.4mA	-	-	0.4	V
SUPPLY VOLTAGE	V _{DD}	-	3.0	3.3	3.6	V
	V _{EE}	-	26.4	26.8	27.2	V
LED BACKLIGHT	I _{LED}	V _{LED} =5V	-	55	82	mA
BRIGHTNESS	L	I _{LED} =55mA	-	5.6	-	NIT
DRIVE METHOD	1/320 DUTY					

Mouser Electronics

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