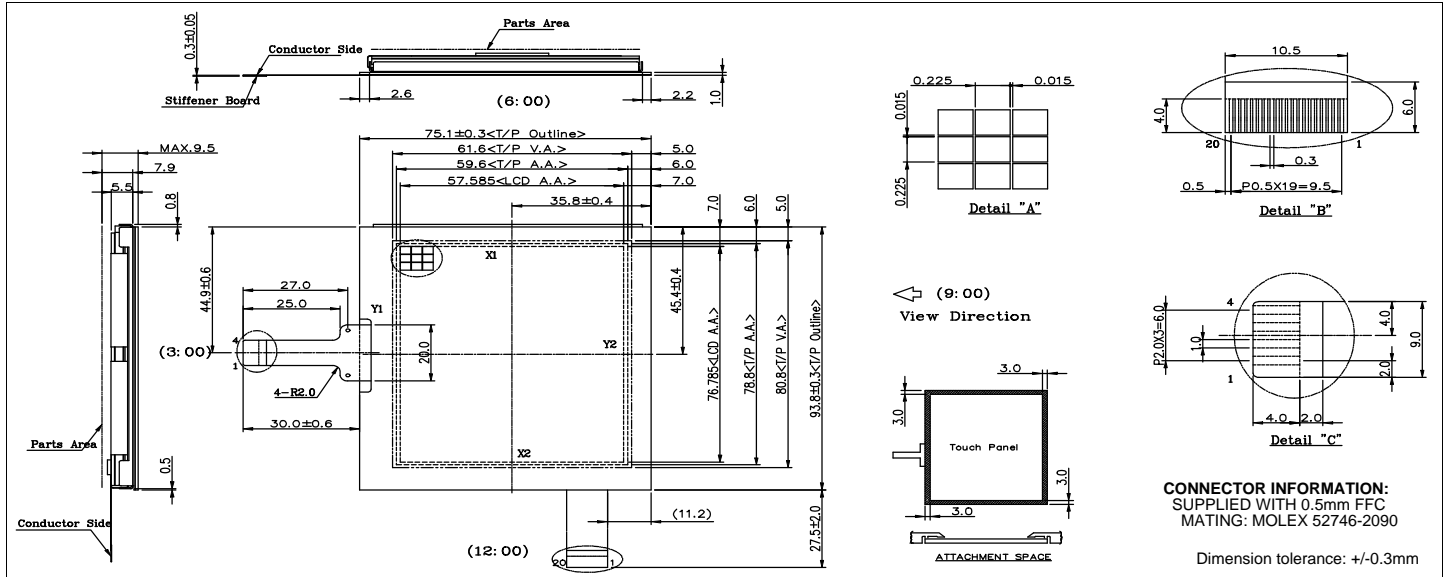


HDM2432TSL-T

Dimensional Drawing

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



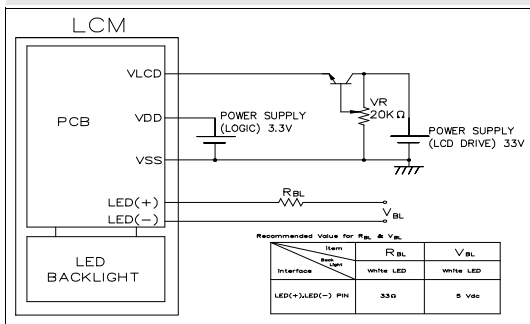
Features

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

Physical Data

Module Size.....75.1W x 93.8H x 9.5T mm
 Viewing Area Size.....61.6W x 80.8H mm
 Dot Pitch.....0.24W x 0.24H mm
 Dot Size.....0.225W x 0.225H mm
 Weight.....73.4g

Power Supply



Electrical Characteristics (V_{DD}=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
SUPPLY VOLTAGE	V _{DD}	-	3.0	3.3	3.6	V
	V _{EE}	-	26.4	26.7	27.0	V
SUPPLY Current	I _{DD}	V _{EE} =26.7V FLM=70 Hz	-	0.1	0.2	mA
	I _{EE}	-	-	2.9	4.4	mA
LED BACKLIGHT	I _{LED}	V _{LED} =5V	-	55	82	mA
BRIGHTNESS	L	I _{LED} =55mA	-	8.3	-	NIT
DRIVE METHOD	1/320 DUTY					

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}	-20	70	°C
STORAGE TEMPERATURE	T _{STG}	-30	80	°C

Pin Connections

PIN NO.	SYMBOL	LEVEL	FUNCTION
DATA CONNECTOR			
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	Ground
14	V _{SS}	0V	
15	LED +	-	
16	LED-	-	Cathode for LED
17	N/C	No Connection	
18	N/C		
19	N/C		
20	N/C		
TOUCH PANEL CONNECTOR			
1	Y2	-	Touch Panel Connections
2	X2	-	
3	Y1	-	
4	X1	-	