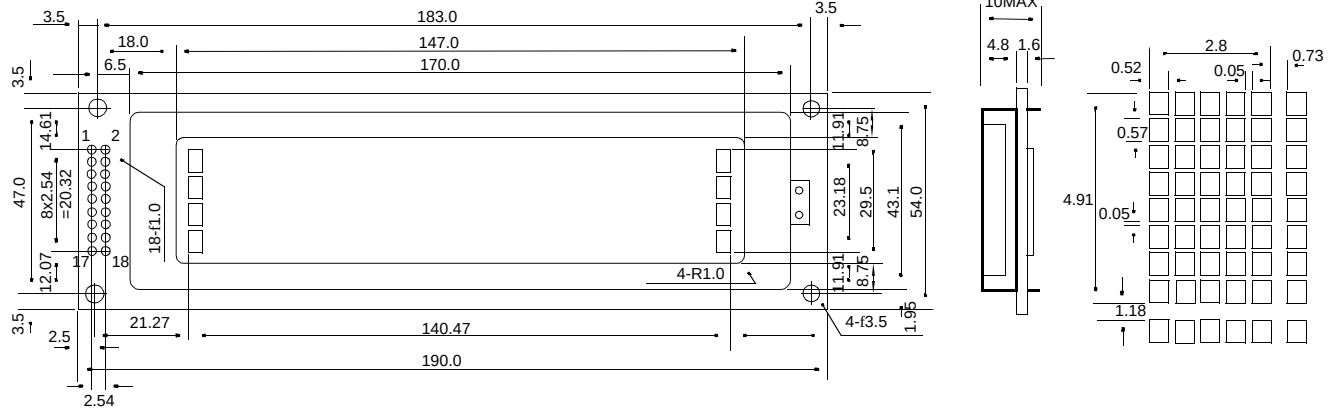


HDM40416H-5

Dimensional Drawing

40 Character x 4 Lines



Dimension tolerance: +/- 0.3mm

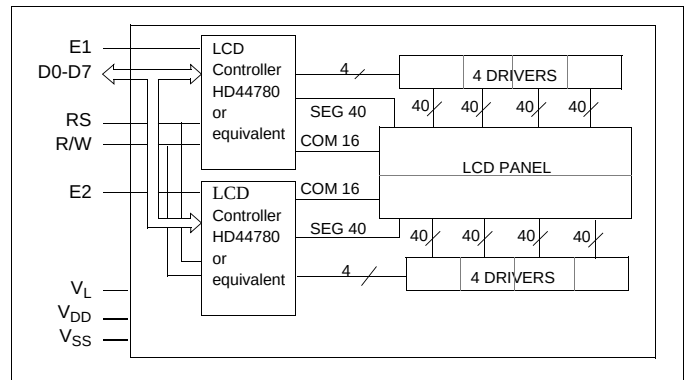
Features

Character Format5x7 Dots with Cursor
Backlight.....EL Optional
Options.....TN/Gray STN/Yellow STN, 12 o'Clock/6 o'Clock View
Normal/Extended Temperature
Normal/Negative Displays

Physical Data

Module Size.....190.0W x 54.0H x 10.2T mm
Viewing Area Size.....147.0W x 29.0H mm
Weight.....70g

Block Diagram



Absolute Maximum Ratings

PARAMETER	SYMBOL	MIN	MAX	UNIT
SUPPLY VOLTAGE	V _{DD} -V _{SS}	0	7.0	V
SUPPLY VOLTAGE FOR LCD	V _{DD} -V _O	0	13.5	V
INPUT VOLTAGE	V _{IN}	V _{SS}	V _{DD}	V
OPERATING TEMPERATURE	T _{OP}	0	50	°C
STORAGE TEMPERATURE	T _{STG}	-20	70	°C

Electrical Characteristics (V_{DD}=5.0±0.25V 25°C)

PARAMETER	SYM	CONDITION	MIN	TYP	MAX	UNIT
INPUT HIGH VOLTAGE	V _{IH}	-	2.2	-	-	V
INPUT LOW VOLTAGE	V _{IL}	-	-	-	.6	V
OUTPUT HIGH VOLTAGE	V _{OH}	I _{OH} =0.2mA	2.4	-	-	V
OUTPUT LOW VOLTAGE	V _{OL}	I _{OL} =1.2mA	-	-	0.4	V
POWER SUPPLY CURRENT	I _{DD}	V _{DD} =5.0V	-	1.0	2.2	mA
POWER SUPPLY FOR LCD	V _{DD} -V _L	TA=25°C	4.3	-	4.7	V
DRIVE METHOD	1/16 Duty					

Pin Connections

PIN NO.	SYMBOL	LEVEL	FUNCTION
1	D7	H/L	Data bus
2	D6	H/L	
3	D5	H/L	
4	D4	H/L	
5	D3	H/L	
6	D2	H/L	
7	D1	H/L	
8	D0	H/L	
9	E1	H,H,Æ/L	Enable
10	RW	H/L	H: Data read L: Data write
11	RS	H/L	H: Data input L: Instruction input
12	V _L	-	Operating voltage for LC
13	V _{SS}	0V	Ground
14	V _{DD}	5V	Power supply for logic
15	E2	H,H,Æ/L	Enable
16	N/C	-	No-connection
17	A	-	Anode for LED backlight
18	K	-	Cathode for LED backlight

AMEYA360

Components Supply Platform

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Website :

Welcome to visit www.ameya360.com

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd
Minhang District, Shanghai , China

➤ Sales :

Direct +86 (21) 6401-6692

Email amall@ameya360.com

QQ 800077892

Skype ameyasales1 ameyasales2

➤ Customer Service :

Email service@ameya360.com

➤ Partnership :

Tel +86 (21) 64016692-8333

Email mkt@ameya360.com