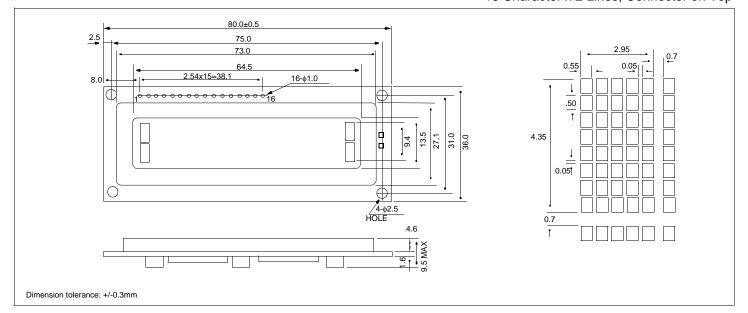
HDM16216H-5

Dimensional Drawing

16 Character x 2 Lines, Connector on Top



Physical Data	
Module Size	80.0W x 36.0H x 9.5T mm
Viewing Area Size	64.5W x 13.5H mm
\Maight	25.0

Absolute Maximum Ratings	

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PARAMETER	SYMBOL	MIN	MAX	UNIT
SUPPLY VOLTAGE	V_{DD} - V_{SS}	0	7.0	V
SUPPLY VOLTAGE FOR LCD	V_{DD} - V_{L}	0	13.5	٧
INPUT VOLTAGE	V _{IN}	V_{SS}	V_{DD}	٧
OPERATING TEMPERATURE	T _{OP}	0	50	°C
STORAGE TEMPERATURE	T _{STG}	-20	70	°C

Electrical Characteristics (VDD=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	-	1.25	-	mA
POWER SUPPLY FOR LCD	V_{DD} - V_{L}	TA=25°C	4.2	4.7	5.2	V
DRIVE METHOD	1/16 Duty					

Block Diagram D0 - D7 < COM 1 - 16 LCD LCD PANEL Е CONTROLLER R/W HD44780 40 RS SEG 40 V_{L} **EQUIVALENT** V_{DD} DRIVER V_{SS}

Pin Conr	Pin Connections					
PIN NO.	SYMBOL	LEVEL	FUNCTION			
1	V _{SS}	-	OV			
2	V_{DD}	-	5V	Power supply		
3	VL	-	-			
4	RS	H/L	H: Data input L: Instruction data input			
5	R/W	H/L	H: Data read L: Data write			
6	E	H,H→L	Enable signal			
7	D0	H/L	Data bus			
8	D1	H/L				
9	D2	H/L				
10	D3	H/L				
11	D4	H/L				
12	D5	H/L				
13	D6	H/L				
14	D7	H/L	1			
15	NC	-	No Connection			
16	NC	-	No Connection			