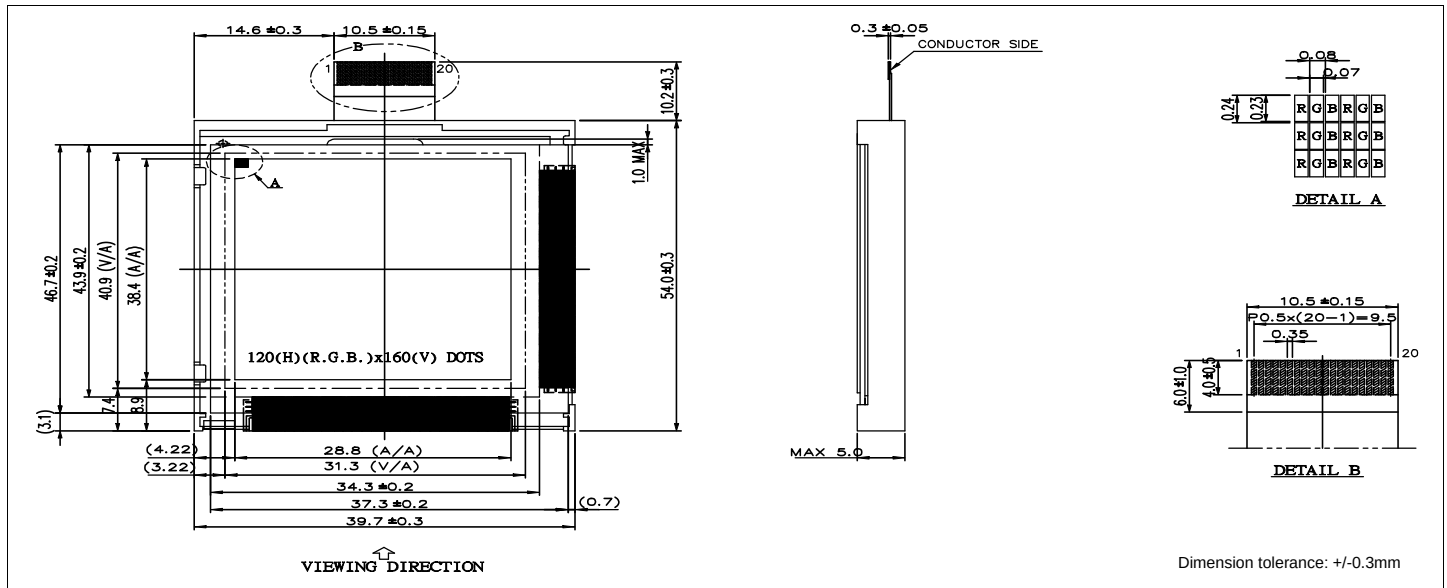


HDM1216C

Dimensional Drawing

2" Color 120 X 160 Dots Graphic



Features

Backlight.....LED
Options.....Color RGB
Bottom Viewing
Built-in DC/DC Converter for LCD power
Built-in Controller.....Hitachi HD66765+HD66764

Physical Data

Module Size.....39.7W x 54.0H x 5.0T mm
Viewing Area Size.....30.8W x 40.4H mm
Dot Pitch.....0.08W x 0.24H mm
Dot Size.....0.07W x 0.23H mm
Weight12.8g

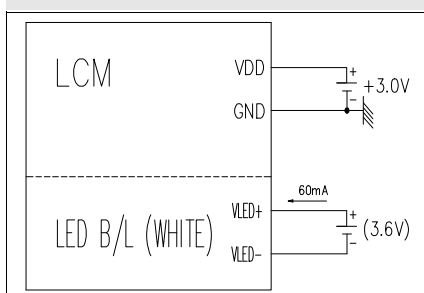
Electrical Characteristics (VDD=3.0±5%)

PARAMETER	SYM	CONDITION	MIN	TYP	MAX	UNIT
Logic Power Supply	V _{DD}	Ta = 25°C	2.7	3.0	3.3	V
INPUT HIGH VOLTAGE	V _{IH}	-	0.8 V _{DD}	-	V _{DD}	V
INPUT LOW VOLTAGE	V _{IL}	-	0	-	0.2 V _{DD}	V
LCD Driving VOLTAGE	V _{OP}	Ta = 25°C	20.5	20.8	21.1	V
Power Supply Current	I _{DD}	V _{DD} = 3V		2.9	4.3	mA
LED Forward Voltage	V _F	I _F = 60 mA		3.6	4.0	V
LED Forward Current	I _F	V _F = 3.6 V		60	90	mA
LED Power Consumption	P _F	-		0.3	0.45	W
DRIVE METHOD	1/160 DUTY					

Pin Connections

PIN NO.	SYMBOL	LEVEL	FUNCTION
1	V _{DD}	3V	Power Supply for Logic
2	REST	H/L	RESET
3	WR	H/L	Write Signal
4	RD	H/L	Read Signal
5	D7	H/L	Display data Bus
6	D6	H/L	
7	D5	H/L	
8	D4	H/L	
9	D3	H/L	
10	D2	H/L	
11	D1	H/L	
12	D0	H/L	
13	A0	H/L	H = Data, L = Command
14	CS	H/L	Chip Select Signal
15	V _{SS}	0V	Ground
16	A	-	Power Supply for LED Backlight
17	K	-	
18	NC	-	No Connection
19	NC	-	
20	NC	-	

Power Supply



Absolute Maximum Ratings

PARAMETER	SYMBOL	MIN	MAX	UNIT
SUPPLY VOLTAGE	V _{DD} -V _{SS}	-0.3	3.6	V
INPUT VOLTAGE	V _{IN}	-0.3	V _{DD} + 0.5	V
OPERATING TEMPERATURE	T _{OP}	0	50	°C
STORAGE TEMPERATURE	T _{STG}	-20	70	°C