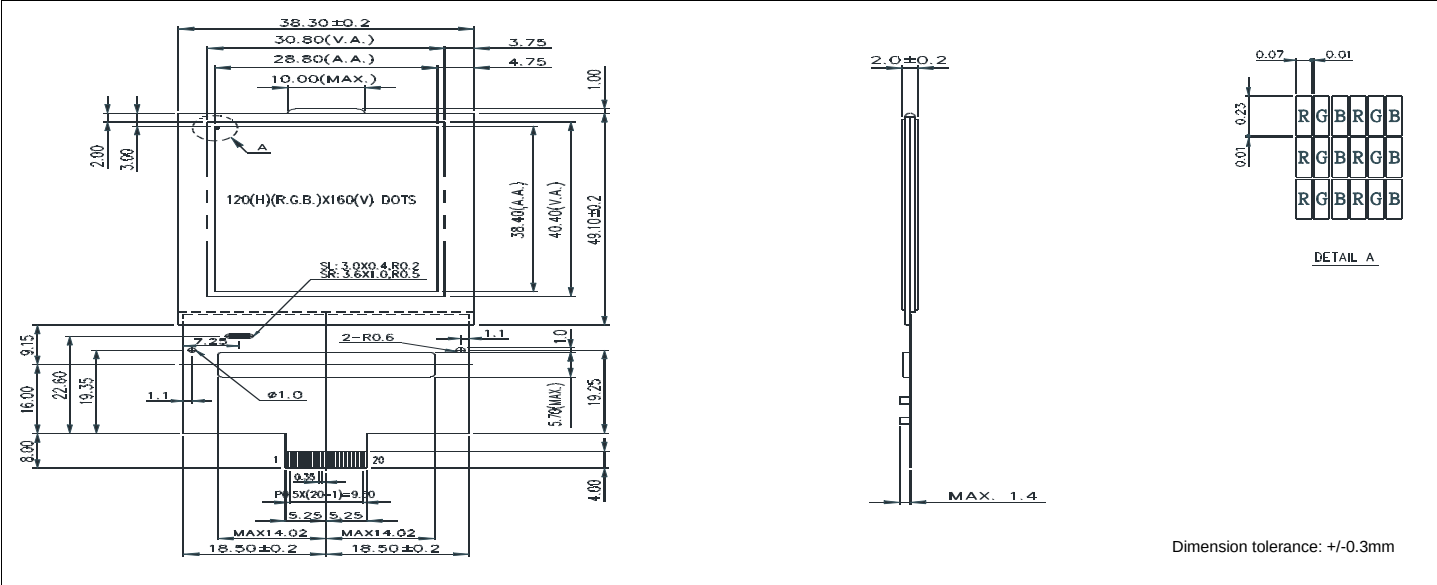


HDM1216-C

Dimensional Drawing

2" Color 120 X 160 Dots Graphic



Features

Backlight.....None
Options.....Color RGB
Extended Temperature
Bottom Viewing
Built-in DC/DC Converter for LCD power
Built-in Controller.....EPSON S1D15G00

Physical Data

Module Size.....38.3W x 82.25H x 2.0T 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

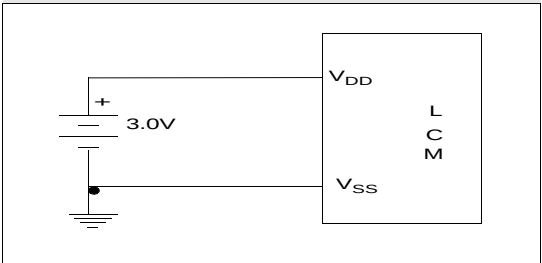
Absolute Maximum Ratings

PARAMETER	SYMBOL	MIN	MAX	UNIT
SUPPLY VOLTAGE	V _{DD} -V _{SS}	-0.3	5.5	V
INPUT VOLTAGE	V _{IN}	-0.3	V _{DD} +0.5	V
OPERATING TEMPERATURE	T _{OP}	-20	70	°C
STORAGE TEMPERATURE	T _{STG}	-30	80	°C

Pin Connections

PIN NO.	SYMBOL	LEVEL	FUNCTION
1	V _{SS}	0V	Ground
2	V _{SS}	0V	Ground
3	REST	H/L	RESET
4	WR	H/L	Write Signal
5	RD	H/L	Read Signal
6	D0	H/L	Display data Bus
7	D1	H/L	
8	D2	H/L	
9	D3	H/L	
10	D4	H/L	
11	D5	H/L	
12	D6	H/L	
13	D7	H/L	
14	A0	H/L	H= Data, L = Command
15	CS	H/L	Chip Select Signal
16	CLS	H/L	Display Clock Selection H=Built-in Oscillator, L=External Clock
17	CL	H/L	Display Clock Input or Output
18	TEST	L	IC Test PIN, Should be Low in normal operation
19	V _{DD}	3V	Power Supply for Logic
20	V _{SS}	0V	Ground

Power Supply



Electrical Characteristics (VDD=3.0±5%)

PARAMETER	SYM	CONDITION	MIN	TYP	MAX	UNIT
INPUT HIGH VOLTAGE	V _{IH}	-	0.7 V _{DD}	-	V _{DD}	V
INPUT LOW VOLTAGE	V _{IL}	-	0	-	0.3 V _{DD}	V
LCD Driving VOLTAGE	V _{OP}	25°C	11.2	11.5	11.8	V
Power Supply Current	I _{DD}	V _{DD} = 3V	-	0.2	1.0	mA
DRIVE METHOD	1/240 DUTY					