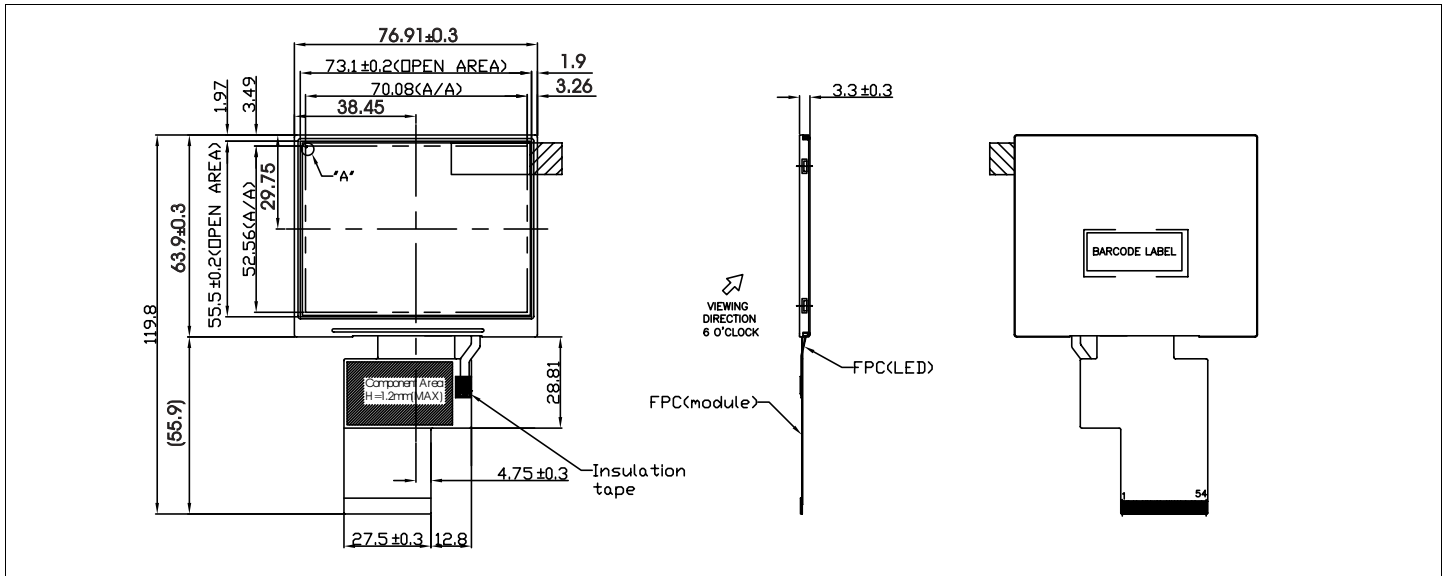


HDA351-LVH (High Brightness)

Dimensional Drawing

3.5" , QVGA (TFT) Color Graphics , Landscape , White LED Backlight



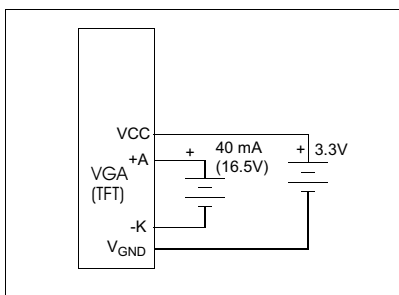
Features

Viewing Angle(horizontal).....	140 degrees
High Contrast.....	450:1
Fast Response Time.....	50 msec
Built-in Controller.....	none
Touch Screen.....	none
High Brightness.....	800 cd/m ²

Physical Data

Module Size.....	76.9W x63.9H x3.3T mm
Active Area Size.....	70.08W x52.56 H mm
Dot Pitch.....	0.073W x 0.219H mm
Weight.....	TBD

Power Supply



Electrical Characteristics (VDD=3.3±0.125V 25°C)

PARAMETER	SYM	CONDITION	MIN	TYP	MAX	UNIT
OPERATING VOLTAGE	V _{CC}	-	2.5	3.3	3.6	V
OPERATING VOLTAGE	V _{LED}	I = 40 mA	-	16.5	-	V
INPUT HIGH VOLTAGE	V _{IH}	-	0.8*V _{DD}	-	V _{DD}	V
INPUT LOW VOLTAGE	V _{IL}	-	0	-	0.2*V _{DD}	V
OPERATING CURRENT	I _{CC}	V _{CC} = 3.3 V	-	15.6	22.0	mA
OPERATING CURRENT LED	I _{LED}	-	-	40	-	mA
POWER CONSUMPTION	P _D	-	-	707	-	mW
BRIGHTNESS	L	Average	700	800	-	Cd/m ²

Pin Connections

PIN NO.	SYMBOL		FUNCTION
1	LED-K	-	Backlight LED (-)
2	LED-K	-	Backlight LED (-)
3	LED-A	-	Backlight LED (+)
4	LED-A	-	Backlight LED (+)
5	NC	-	No Connection
6	NC	-	No Connection
7	POL	-	Test Pin . No Connection
8	RESET	L	Reset Input
9	NC	-	No Connection
10	NC	-	No Connection
11	NC	-	No Connection
12-19	D20-D27	H/L	Blue Data Inputs
20-27	D10-D17	H/L	Green Data Inputs
28-35	D00-D07	H/L	Red Data Inputs
36	HSYNC	H	Horizontal Sync Input
37	VSYNC	H	Vertical Sync Input
38	DOTCLK	H/L	Data Clock Input
39	NC	-	No Connection
40	NC	-	No Connection
41	VCC	-	Power (+3.3V)
42	VCC	-	Power (+3.3V)
43	NC	-	No Connection
44	NC	-	No Connection
45	NC	-	No Connection
46	NC	-	No Connection
47	NC	-	No Connection
48	NC	-	No Connection
49	NC	-	No Connection
50	NC	-	No Connection
51	NC	-	No Connection
52	NC	-	No Connection
53	GND	-	Ground Pin
54	GND	-	Ground Pin

Absolute Maximum Ratings

PARAMETER	SYMBOL	MIN	MAX	UNIT
SUPPLY VOLTAGE	V _{CC}	-0.3	5.0	V
BACKLIGHT CURRENT(White LED)	I _{LED}	-	50	mA
INPUT VOLTAGE	V _{IN}	-0.3	V _{DD} + 0.3	V
OPERATING TEMPERATURE	T _{OP}	-20	+70	°C
STORAGE TEMPERATURE	T _{STG}	-30	+80	°C