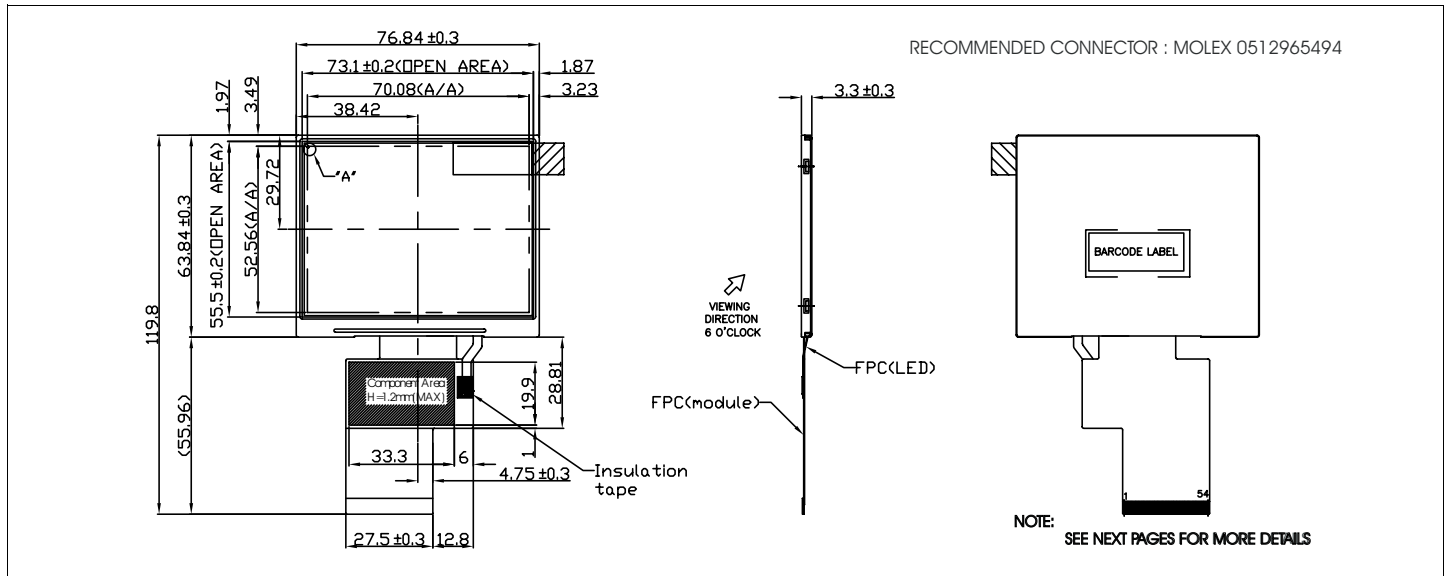


HDA351-LV

Dimensional Drawing

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



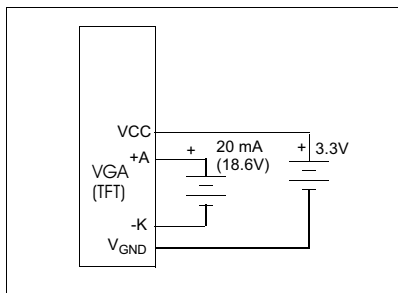
Features

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

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.....32g

Power Supply



Absolute Maximum Ratings

PARAMETER	SYMBOL	MIN	MAX	UNIT
SUPPLY VOLTAGE	V_{CC}	-0.3	5.0	V
BACKLIGHT CURRENT(White LED)	I_{LED}	-	30	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

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}	$I = 20 \text{ mA}$	-	18.6	-	V
INPUT HIGH VOLTAGE	V_{IH}	-	$0.8 \cdot V_{DD}$	-	V_{DD}	V
INPUT LOW VOLTAGE	V_{IL}	-	0	-	$0.2 \cdot V_{DD}$	V
OPERATING CURRENT	I_{CC}	$V_{CC} = 3.3 \text{ V}$	-	15.6	22.0	mA
OPERATING CURRENT LED	I_{LED}	-	-	20	-	mA
POWER CONSUMPTION	P_D	-	-	424	-	mW
BRIGHTNESS	L	Average	300	350	-	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	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	Horizontal Sync Input
37	VSYNC	Vertical Sync Input
38	DOCLK	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

Dimensional Drawing

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

