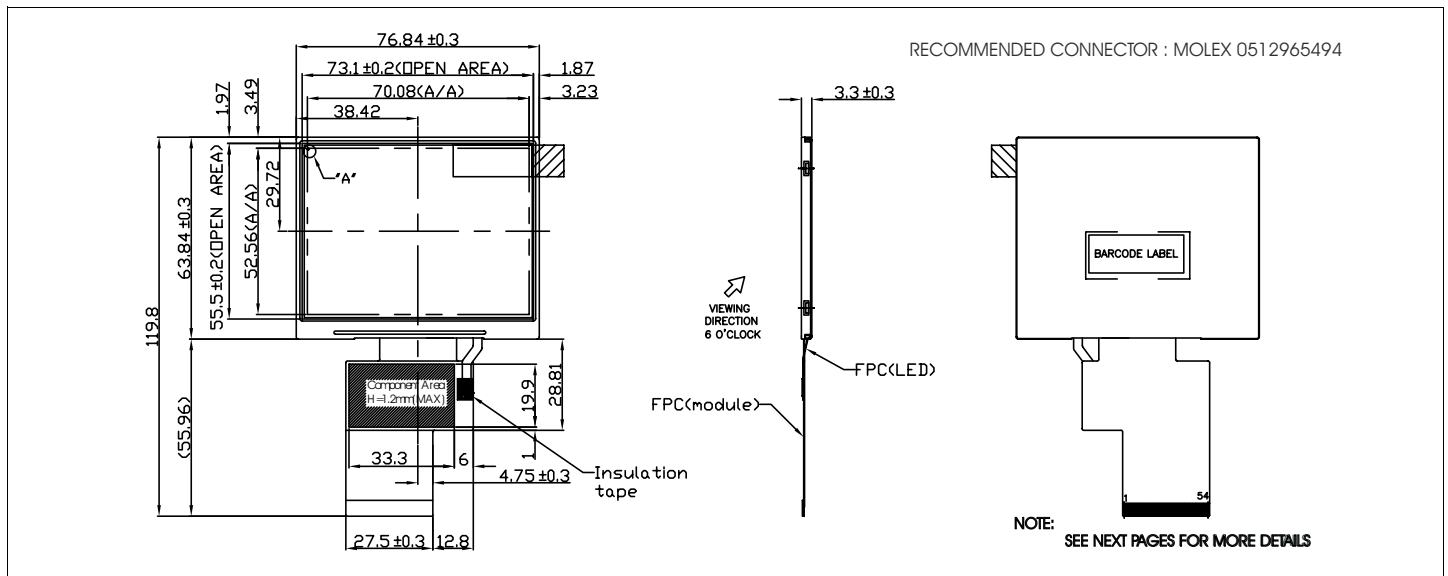


HDA351-LV

Dimensional Drawing

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



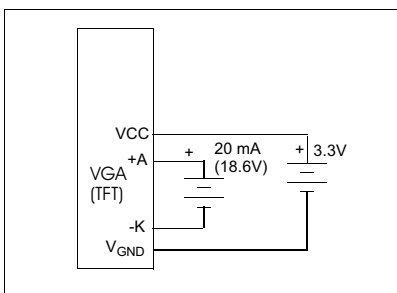
Features

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

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

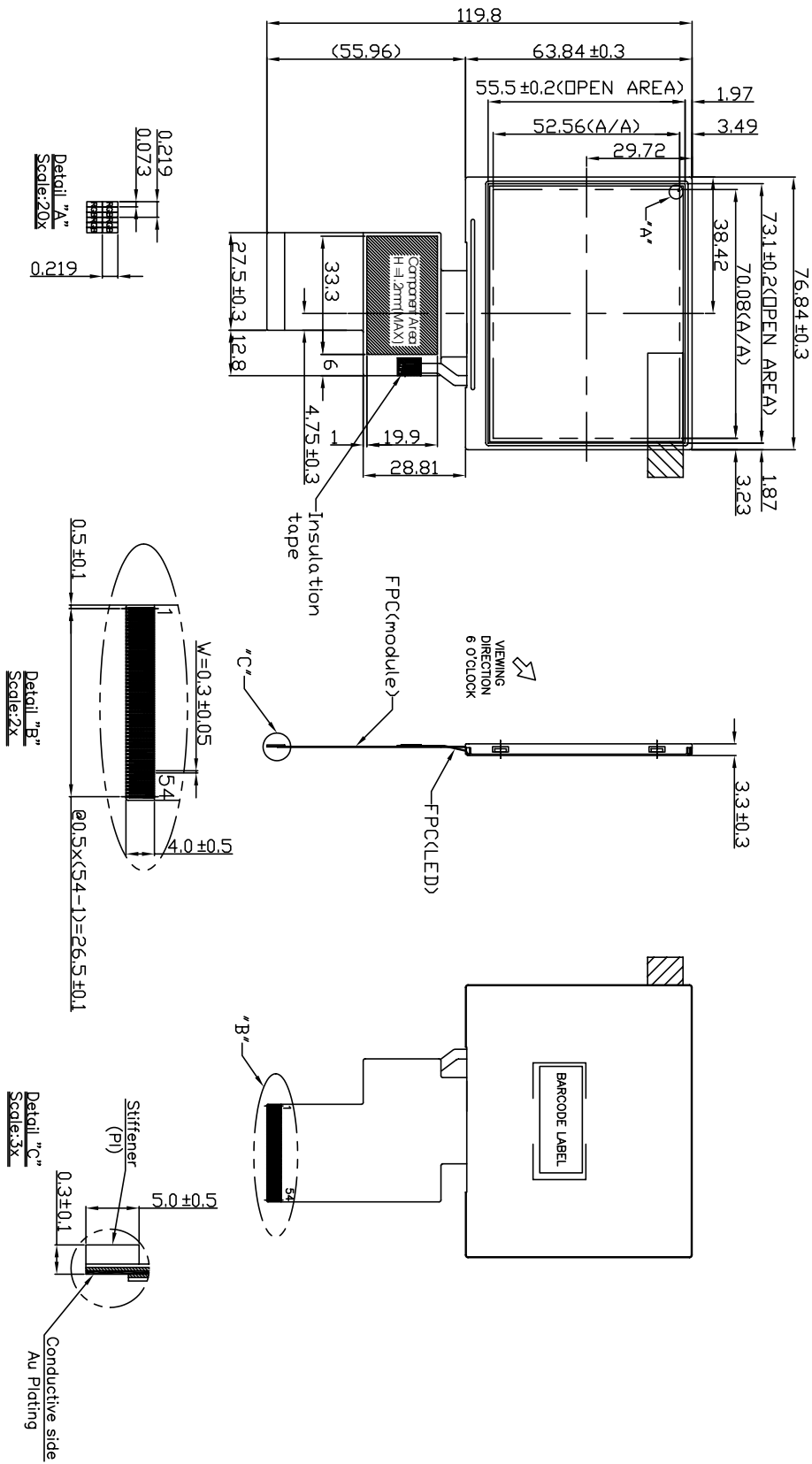
PIN NO.	SYMBOL	FUNCTION	
1	LED-K	-	Backlight LED (-)
2	LED-K	-	Backlight LED (-)
3	LED-A	-	Backlight LED (+)
4	LED-A	-	Backlight LED (+)
5	NC	-	No Connection
6	NC	-	No Connection
7	POL	-	Test Pin . No Connection
8	RESET	L	Reset Input
9	NC	-	No Connection
10	NC	-	No Connection
11	NC	-	No Connection
12-19	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	DOICLK	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



HDA351-LV

Dimensional Drawing

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



HDA351T-LV

Dimensional Drawing

3.5" , QVGA (TFT) with Touch Screen, Landscape , White LED Backlight

