



1. SPECIFICATIONS

1.1 Features

Main LCD Panel

Item	Standard Value
Display Type	320* (R、G、B) * 240 Dots
LCD Type 1	Normally white , Transmissive type
LCD Type 2	Sunlight Visible
Screen size(inch)	3.5(Diagonal)
Viewing Direction	6 O'clock
Color configuration	R.G.B. vertical stripe
Backlight	White LED
Interface	Digital 24-bits Parallel RGB HSYNC,VSYNC.3Wires SPI
Other (controller / driver IC)	Himax:HX8238-D
ROHS	THIS PRODUCT CONFORMS THE ROHS OF PTC Detail information please refer website : http://www.powertip.com.tw/news.php?area_id_view=1085560481/

1.2 Mechanical Specifications

Item	Standard Value	Unit
Outline Dimension	76.9(W) * 63.9 (L) * 3.2 (H)	mm

LCD panel

Item	Standard Value	Unit
Active Area	70.08 (W) * 52.56 (L)	mm

Note : For detailed information please refer to LCM drawing



1.3 Absolute Maximum Ratings

Module

Item	Symbol	Condition	Min.	Max.	Unit
System Power Supply Voltage	VDD	GND=0	-0.3	4.0	V
Booster Reference Supply Voltage	VCI	GND=0	GND-0.3	3.96	V
Operating Temperature	T _{OP}	-	-20	70	°C
Storage Temperature	T _{ST}	-	-30	80	°C
Storage Humidity	HD	Ta < 60 °C	20	90	%RH

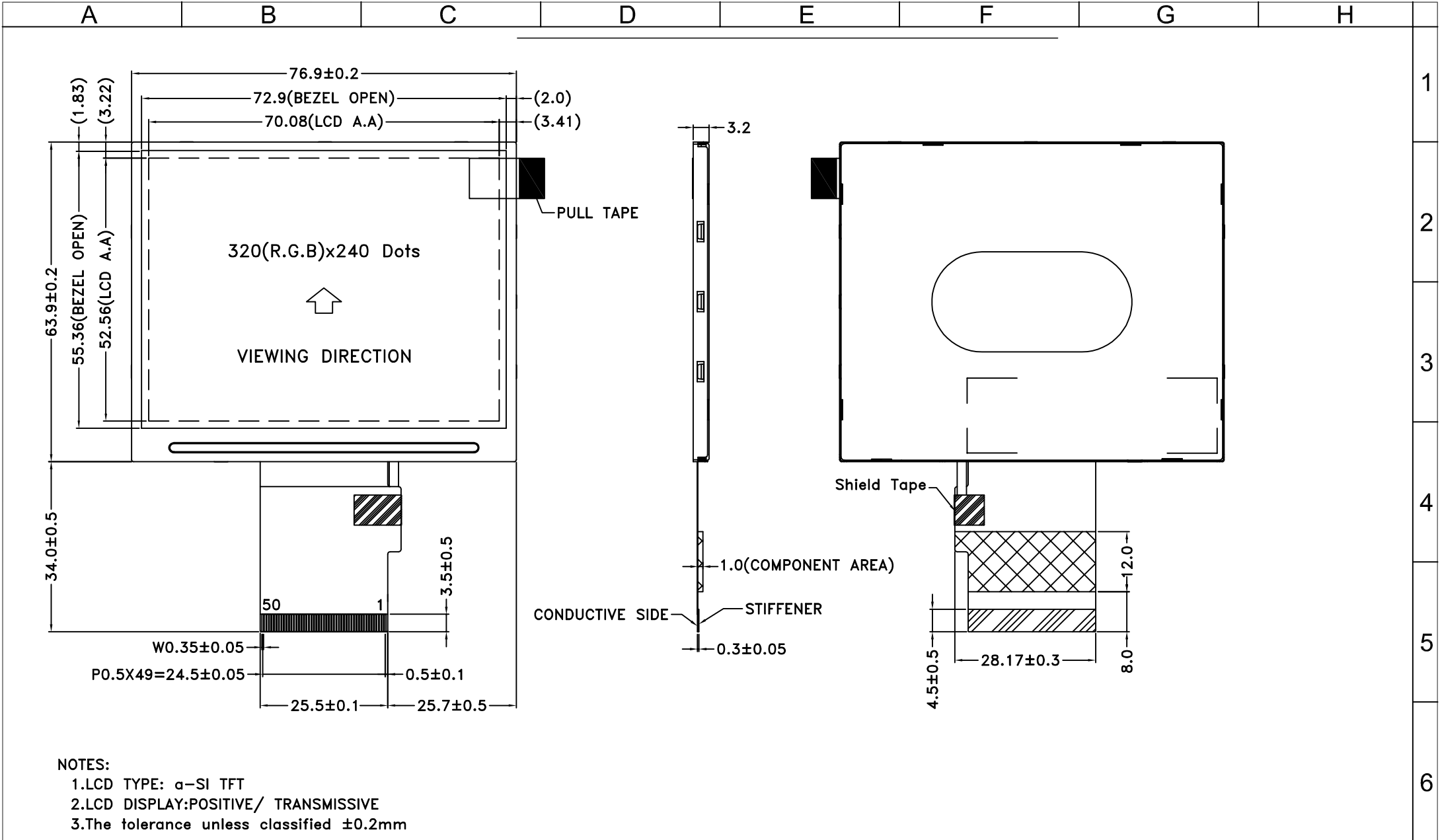
1.4 DC Electrical Characteristics

Module

GND = 0V, Ta = 25°C

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Power Supply Voltage	VDD	-	3.0	3.3	3.6	V
Booster Reference Supply Voltage	VCI	-	3.0	3.3	3.6	V
V _{COM} High Voltage	V _{COMH}	-	-	-	5.54	V
V _{COM} Low Voltage	V _{COML}	-	-2.8	-	-	V
Input H/L Level Voltage	V _{IH}	-	0.8VDD	-	VDD	V
	V _{IL}	-	0	-	0.2VDD	V
Output H/L Level Voltage	V _{OH}	-	0.9VDD	-	VDD	V
	V _{OL}	-	-	-	0.1VDD	V
Supply Current	IDD	VDD=VCI=3.3V Pattern= black*1	-	9	14	mA

Note1: Maximum current display.



NOTES:
 1.LCD TYPE: a-SI TFT
 2.LCD DISPLAY: POSITIVE/ TRANSMISSIVE
 3.The tolerance unless classified ± 0.2 mm

007				PART NO:							
006				JXT320240T023-IBG							
005				DRAWING NAME :							
004					Design	Stone	(3)		Surface		Precision Level
003					Check	Sam	Unit	MM	Material		
002							Scale	FIT	Thickness		
001	NEW DRAWING	Stone	2013/08/14	TITLE:	Approve	Oliver	Page	1/2	Quantity		
REV		REV BY	REVISER	DATE	LCD MODULE DRAWING						

Tolerance Length (mm)	Precision	Precision Level
1 ~ 4	-	-
4 ~ 16	-	-
16 ~ 63	-	-
63 ~ 250	-	-
250 ~ 1000	-	-