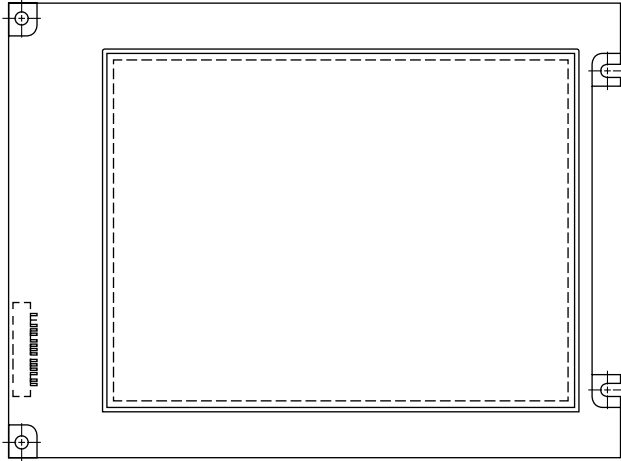


## 320 x 240 Dots Color LCD



### FEATURES

- Type: Color
- Display format: 320 x 240 dots (RGB)
- Built-in controller: None
- Duty cycle: 1/240
- Built-in white backlight (CCFL)
- Color STN LCD type
- 8-bit data bus
- + 3 V to + 5 V power supply
- Compliant to RoHS directive 2002/95/EC


**RoHS**  
COMPLIANT

MECHANICAL DATA		
ITEM	STANDARD VALUE	UNIT
Module Dimension	154.6 x 114.8	mm
Viewing Area	118.18 x 89.38	
Dot Size	0.09 x 0.33	
Dot Pitch	0.12 x 0.36	
Mounting Hole	148.6 x 106.8	
Character Size	N/a	

ABSOLUTE MAXIMUM RATINGS					
ITEM	SYMBOL	STANDARD VALUE			UNIT
		MIN.	TYP.	MAX.	
Power Supply	$V_{DD}$ to $V_{SS}$	2.7	3.0	3.3	V
		4.7	5.0	5.3	
Input Voltage	$V_I$	0.8 $V_{DD}$	-	$V_{DD}$	

**Note**

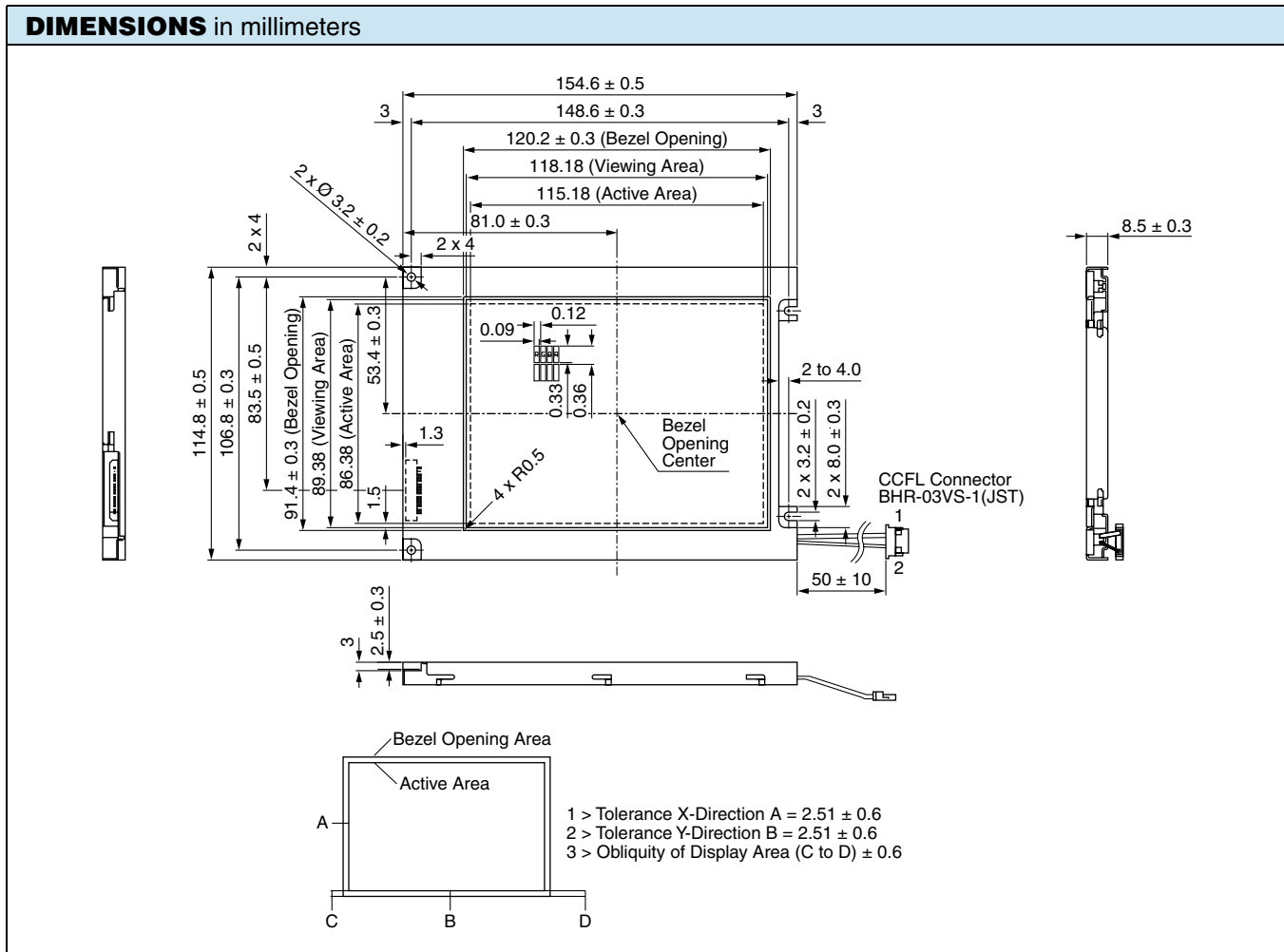
- $V_{SS} = 0$  V,  $V_{DD} = 5.0$  V

ELECTRICAL CHARACTERISTICS						
ITEM	SYMBOL	CONDITION	STANDARD VALUE			UNIT
			MIN.	TYP.	MAX.	
Input Voltage	$V_{DD}$	L level	0.8 $V_{DD}$	-	$V_{DD}$	V
	$V_{IO}$	H level	$V_{SS}$	-	0.2 $V_{DD}$	
Supply Current	$I_{DD}$	$V_{DD} = 5$ V	-	-	-	mA
Recommended LC Driving Voltage for Normal Temperature Version Module	$V_{EE}$ to $V_{SS}$	0 °C	-	-	-	V
		25 °C	-	26.2	-	
		50 °C	-	-	-	
Power Consumption	-	$V_{DD} = 5$ V, $V_{EE} = 26.2$ V	-	2.0	-	mA

OPTIONS									
PROCESS COLOR						BACKLIGHT			
TN	STN Gray	STN Yellow	STN Blue	FSTN B&W	STN Color	None	LED	EL	CCFL
					x				x

For detailed information, please see the "Product Numbering System" document.

INTERFACE PIN FUNCTION		
PIN NO.	SYMBOL	FUNCTION
1	FRM	Scan start-up signal
2	LOAD	Data latch
3	CP	Data shift
4	DSIP	Display enable signal
5	V <sub>DD</sub>	Power supply for logic
6	V <sub>SS</sub>	Ground
7	V <sub>EE</sub>	Power supply for LCD
8	DB7	Display data bus
9	DB6	Display data bus
10	DB5	Display data bus
11	DB4	Display data bus
12	DB3	Display data bus
13	DB2	Display data bus
14	DB1	Display data bus
15	DB0	Display data bus





## Disclaimer

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