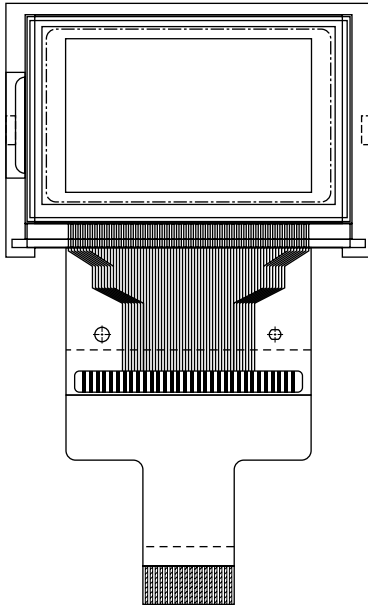


128 x 64 Graphic LCD


FEATURES

- Type: Graphic
- Display format: 128 x 64 dots
- Built-in controller: Sitronix ST7565P-F3
- Duty cycle: 1/64
- + 3.3 V power supply only
- Compliant to RoHS directive 2002/95/EC


RoHS
COMPLIANT

MECHANICAL DATA		
ITEM	STANDARD VALUE	UNIT
Module Dimension	38.0 x 62.52	mm
Viewing Area	29.58 x 17.98	
Dot Size	0.18 x 0.23	
Dot Pitch	0.20 x 0.25	
Mounting Hole	N/a	
Character Size	N/a	

ABSOLUTE MAXIMUM RATINGS					
ITEM	SYMBOL	STANDARD VALUE			UNIT
		MIN.	TYP.	MAX.	
Power Supply	V_{DD} to V_{SS}	3.0	-	5.0	V
Input Voltage	V_I	- 0.3	-	V_{DD}	

Note

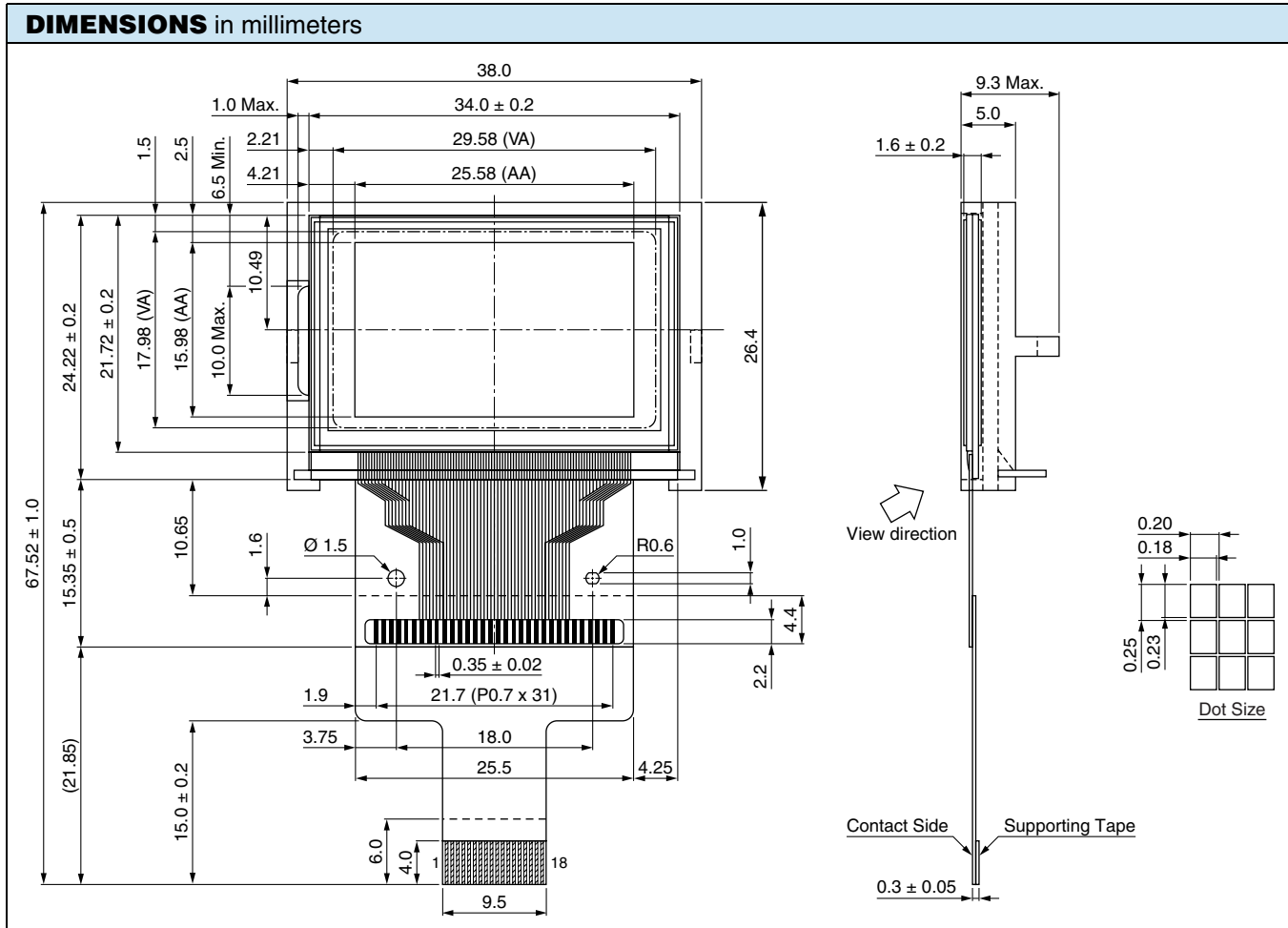
- $V_{SS} = 0$ V, $V_{DD} = 5.0$ V

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
Supply Current	I_{DD}	$V_{DD} = +5$ V	-	-	-	mA
Recommended LC Driving Voltage for Normal Temperature Version Module	V_{DD} to V_0	- 20 °C	-	-	10.5	V
		0 °C	-	-	-	
		25 °C	-	8.4	-	
		50 °C	7.0	-	-	
		70 °C	-	-	-	
LED Forward Voltage	V_F	25 °C	-	-	-	V
LED Forward Current	I_F	25 °C	-	-	-	mA
CCFL	V_F	25 °C	-	-	-	V_{RMS}
	I_F	25 °C	-	-	-	mA
EL Power Supply Current	I_{EL}	$V_{EL} = 110$ V _{AC} , 400 Hz	-	-	-	mA

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

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

INTERFACE PIN FUNCTION			
PIN NO.	SYMBOL	PIN NO.	FUNCTION
1	V _{DD}		Power supply for logic
2	V _{SS}		Ground
3	CS1B		Chip select input pin
4	CS2		Chip select input pin
5	RES		Reset
6	RS		Register select signal
7	R/ \bar{W}		H/L read/write signal
8	E		H → L enable signal
9	DB0		Data bus line
10	DB1		Data bus line
11	DB2		Data bus line
12	DB3		Data bus line
13	DB4		Data bus line
14	DB5		Data bus line
15	DB6		Data bus line
16	DB7		Data bus line
17	MI		H: 6800 series/L: 8080 series
18	P/S		H: Parallel/L: Serial





Disclaimer

All product specifications and data are subject to change without notice.

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