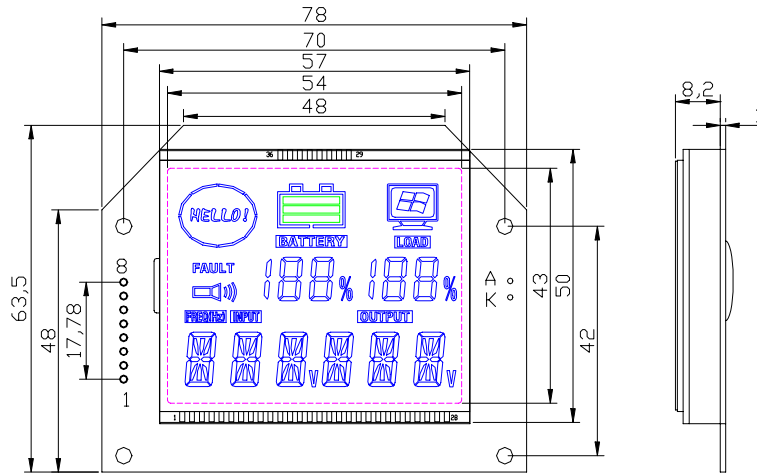


# ZCM6044

\* Controller LSI built-in \* +5V single power supply

EXTERNAL DIMENSIONS AND DISPLAY PATTERN Unit:mm



## MECHANICAL DATA

<b>Module Size:</b> 78X63.5X10.5	<b>Effective Display Area:</b> 54×43
<b>Display Type:</b> TN, Negative	<b>Viewing Angle:</b> 12:00
<b>Driving Method:</b> 1/4 Duty, 1/3Bias	<b>Backlight Color:</b> Yellow-Green

## ELECTRICAL CHARACTERISTICS (Ta=25°C, VDD=5V±0.25V)

ITEM	SYMBOL	CONDITON	MIN	TYP.	MAX	UNIT
Supply Voltage for Logic	VDD		2.7	5	5.5	V
Supply Current for Logic	I <sub>dd</sub>	VDD=4.5V	-	1.2	-	mA
Driving Voltage for (LCD)	VLCD			5		V

## PIN CONNECTION

Pin	Symbol	Lever	Function	Pin	Symbol	Lever	Function
1	CS	H/L	Chip Enable Signal	5	VDD	+5V	Power supply for Logic
2	WR	H/L	WR Signal	6	IRQ	-	Time base or WDT overflow output
3	DATA	H/L	Data line	7	BUZ+	-	Buzzer Signal+
4	VSS	0V	Ground	8	BUZ-	-	Buzzer Signal-

## BACKLIGHT CHARACTERS(Ta=25°C)

PARAMETER	SYMBOL	CONDITION	MIN	TYP.	MAX	UNIT
LED Forward Consumption Current	I <sub>LED</sub>	Ta=25 °C VDD=3.2V	-	15	20	mA

## BLOCK DIAGRAM

