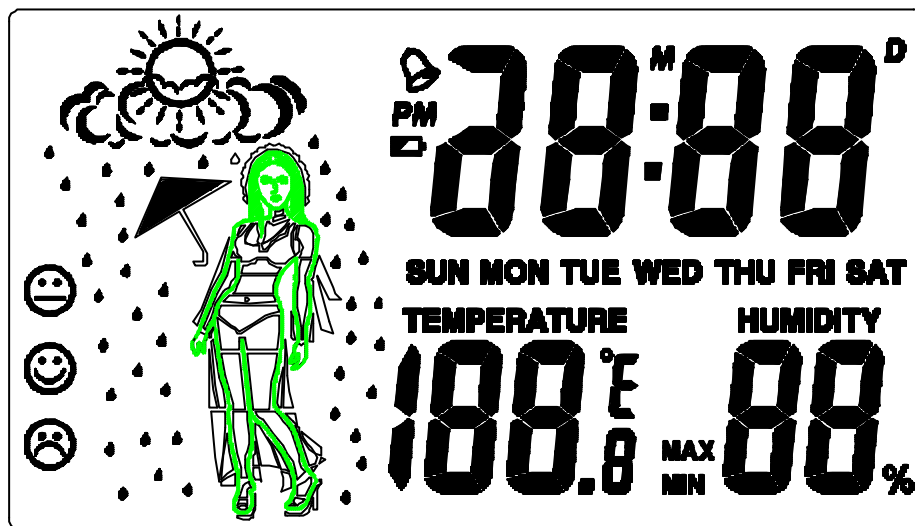


Human and Weather Forecast Clock



◆ Features:

- 3V Operating voltage
- Normal time display (HR: MIN)
- 12 hour format or 24 hour format selectable
- Calendar display (MON: DATE: WEEKDAY)
- Snooze alarm clock function
- Automatically test temperature and humidity. Display them in dynamic curve with in 12 hours transformation, switch in / , and display Max/Min memory of them.
- Environment indicator: Dryness, humidification and comfort.
- Weather forecast with 4 symbols: Sunny, Semi-sunny, Cloudy and Rainy
- LED back light
- Low battery indicator
- Snooze time: 3 times
- Snooze during:5 minutes
- The diversity of the human clothes according to the indoor temperature.
- An umbrella is needed when it is Rainy.

◆ Key definitions

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This IC has 5 buttons: [MODE], [MIN/MAX], [+], [-],[SNOOZE/LIGHT]

[MODE]: Press and hold [MODE] button 3 seconds to enter setting mode.

In non-setting mode, press [MODE] button to have mode (Time mode, Date mode, Alarm mode) selected.

In setting mode, press [MODE] button to have the setting field selected.

[MIN/MAX]: In normal mode, press [MIN/MAX] button to view the intraday maximum and minimum value of the temperature and humidity.

[+]: In normal clock mode, press [+] button to turn on/turn off the alarm.

In normal clock mode, press and hold [+] button 3 seconds to have the 12 hour format or 24 hour format selected.

In setting status, press [+] button to advance the setting digits.

[-]: In normal clock mode, press [-] button to have or selected.

In setting status, press [-] button to decrease the setting digits.

[SNOOZE/LIGHT]: In normal clock mode, press [SNOOZE/LIGHT] button to turn on backlight for 8 seconds.

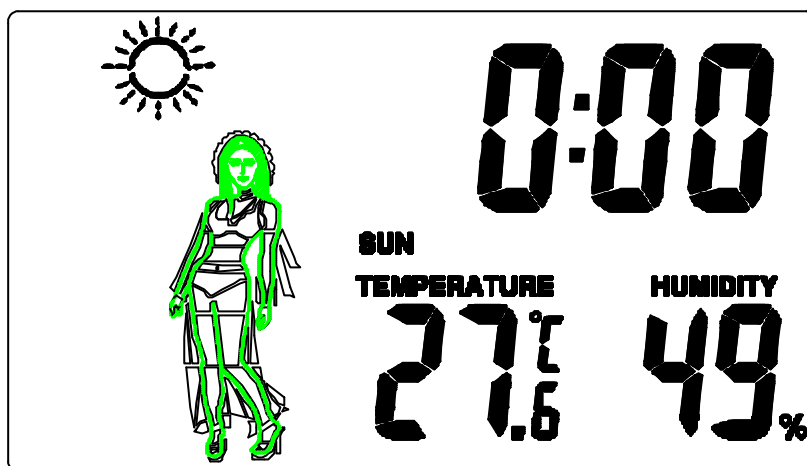
◆ MODE SELECTION:



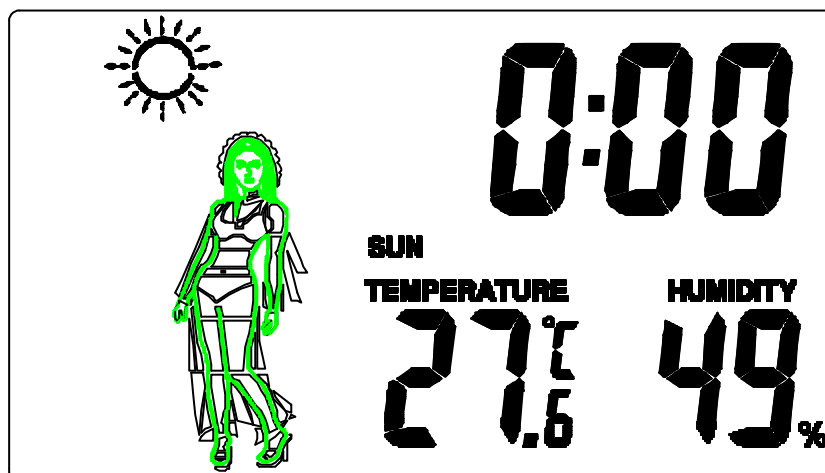
Operation instructions

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At power up, the IC turns on all LCD 3 seconds buzzer alarm “BI-BI” for 1 second and then it enters normal clock mode. In this mode, LCD display as follows:



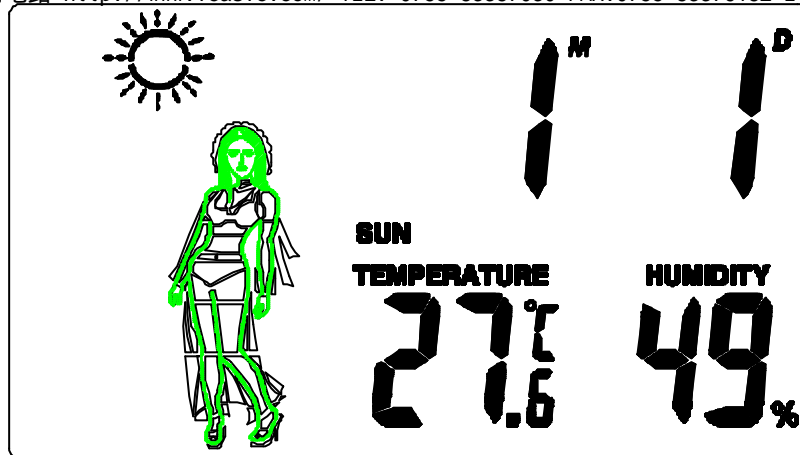
◆ Time mode



- In normal mode, press MODE button for 3 seconds to enter into time setting mode. At the same time, the hour digit will flash. Press [+] or [-] button to adjust the hour.
- Press MODE button again, the minute will flash. Press [+] or [-] button to adjust the minute.
- In setting mode, if no button is pressed in 8 seconds, the setting value will stop flashing, and then it returns to normal clock mode.

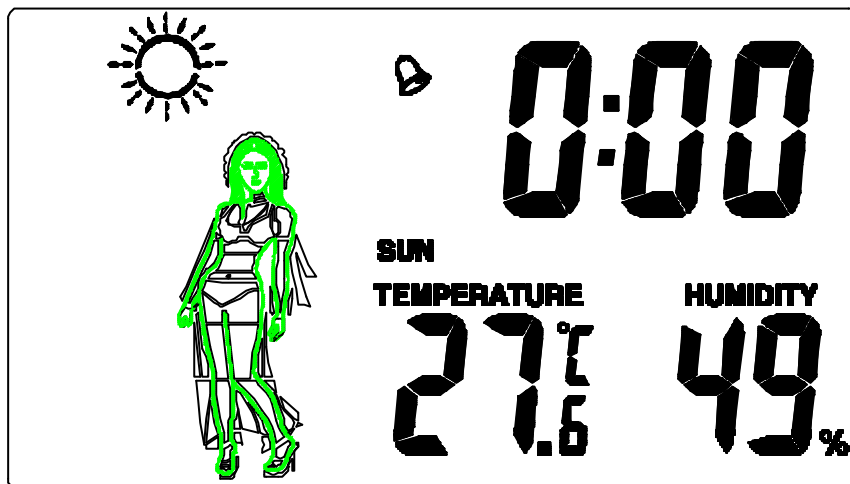
◆ Date mode

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- In Date mode, press MODE button for 3 seconds to enter into time setting mode. At the same time, the month digit will flash. Press [+] or [-] button to adjust the month.
- Press MODE button again, the date will flash. Press [+] or [-] button to adjust the date.
- At the same time, the weekday will be calculated and displayed automatically.
- In setting mode, if no button is pressed in 8 seconds, the setting value will stop flashing, and then it returns to normal clock mode.

◆ Alarm mode



- In the alarm mode, press MODE button for 3 seconds to enter into time setting mode. At the same time, the alarm hour will flash. Press [+] or [-] button to adjust the alarm hour.
- Press MODE button again, the alarm minute will flash. Press [+] or [-] button to adjust the alarm minute.
- When it reaches the alarm time, it will buzzer “BI “,”BI BI”, “BI BI BI BI”, “BI BI BI” “BIBI.....BI” for 2 minutes. During the alarm time, you can press [MODE]

- When it alarms, press [SNOOZE/LIGHT] button to enter snooze function, at the same time, the LED light will illuminate for 8 seconds, and the alarm icon will flash till the over of the snooze function. The snooze time is 3 times. And the snooze during is 5 minutes.
- In setting mode, if no button is pressed in 8 seconds, the setting value will stop flashing, and then it returns to normal clock mode. Notice :At this time, the alarm is in "OFF" state.

◆ Temperature and Humidity instructions:

The range of temperature:0 -50 (32 -122).Displaying the trend of temperature change in dynamic curve of past 12 hours.

The range of humidity:20%-90% .

Press [MAX/MIN] button to display the max/min temperature and humidity for 5 seconds.


◆ Environment indicator


Three Environment indicator: Dryness, Humidification, and comfort.


Dryness: Humidity less than 40%.

Humidification: Humidification more than 70%.

Comfort: Temperature is between 20-25 , and the humidity is between 40-70%.

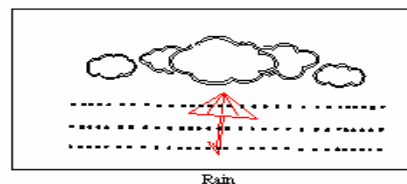
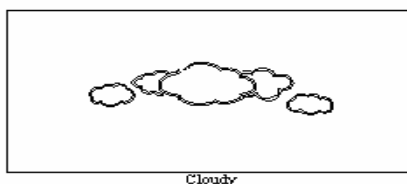
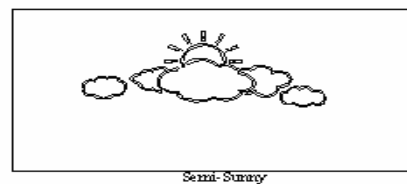
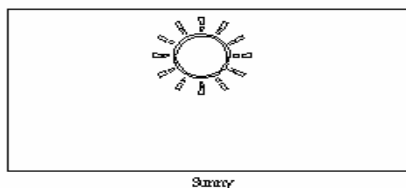
 represents "humidification".

 represents "dryness".

 represents "comfort".

Weather Forecast

- The weather forecast is an approximate estimate of the weather for a region, 18 miles to 30 miles across, over the next 12 to 24 hours. The forecast is based on the changes of the humidity.
- The following symbols are used to indicate the forecast:



When the humidity < 45 %, it will display "Sunny"

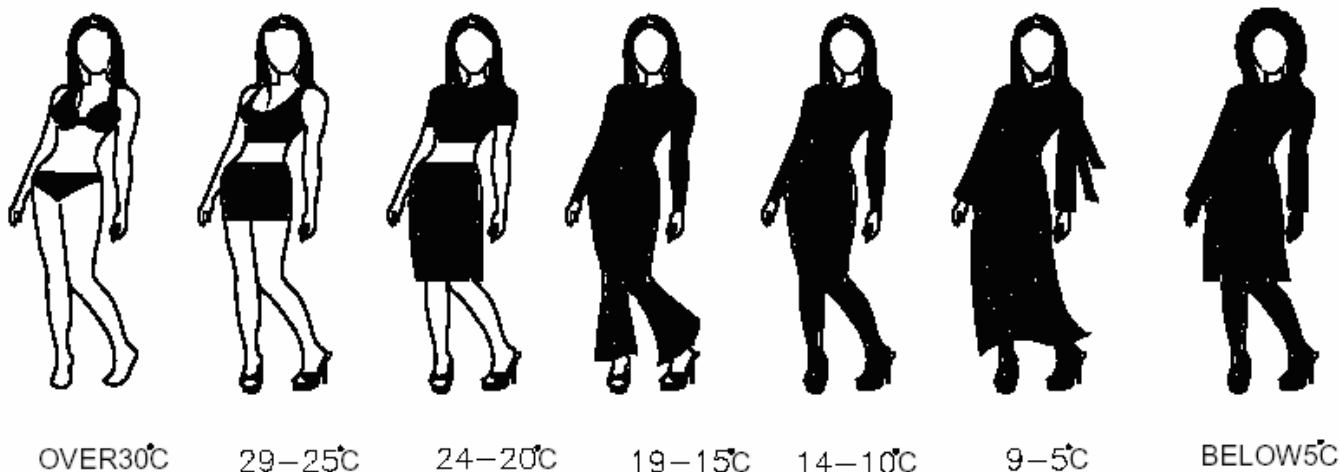
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When the 45% humidity < 50%, it will display "Semi-Sunny"

When the 50% humidity < 55%, it will display "Cloudy"

When the humidity 55%, it will display "Rain" An umbrella is needed when it is Rainy.

- The diversity of the human clothes according to the indoor temperature.

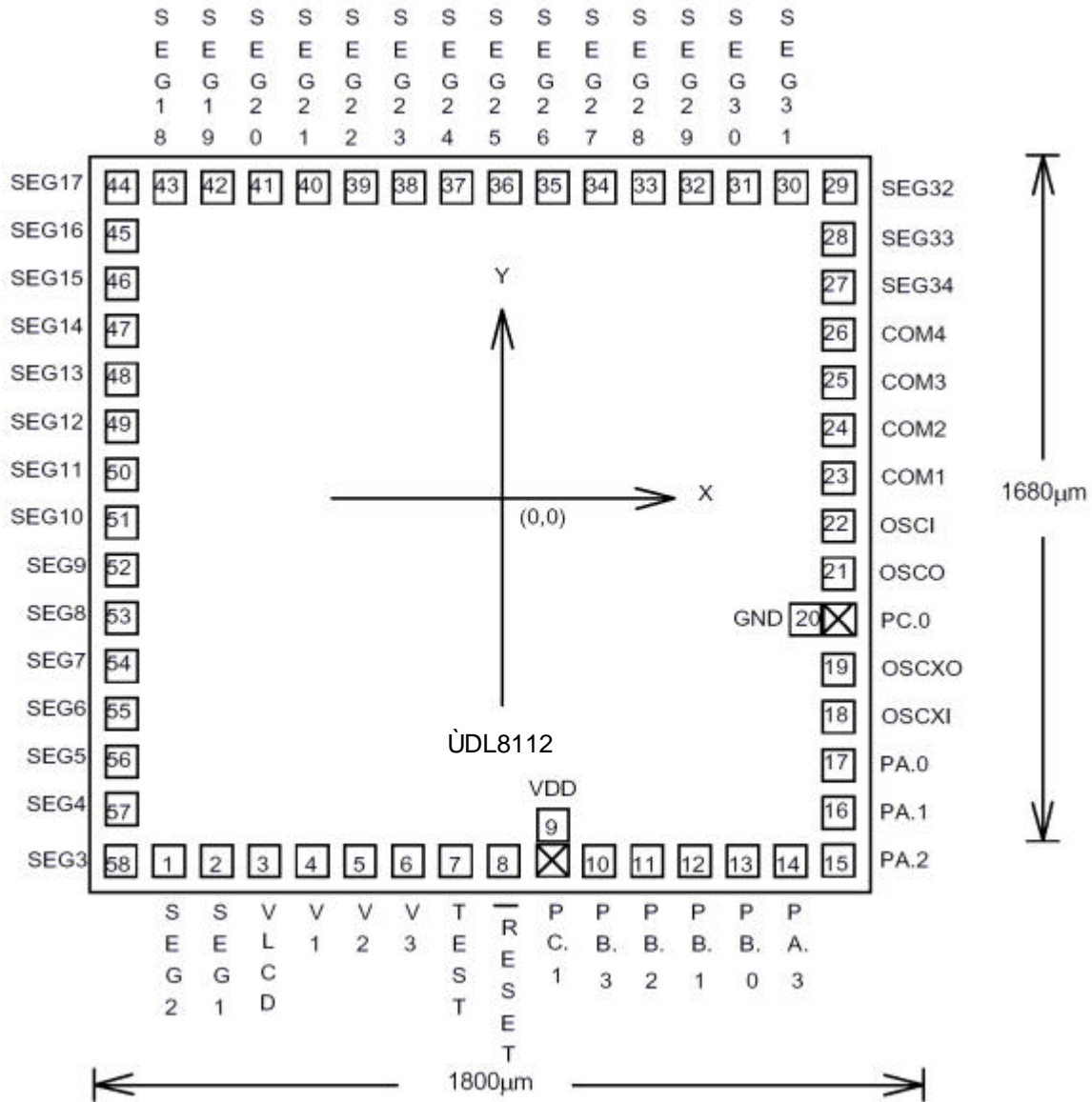


Back Light

When you press the LIGHT/SNOOZE button, the display illuminates for 8 seconds, so that you can continue to read the display in the dark.

◆ Default value:

- Time: 2008,1,1 0:00;
- Default format: 24 hour format;
- Alarm time: 0:00;
- Alarm ON/OFF: OFF;

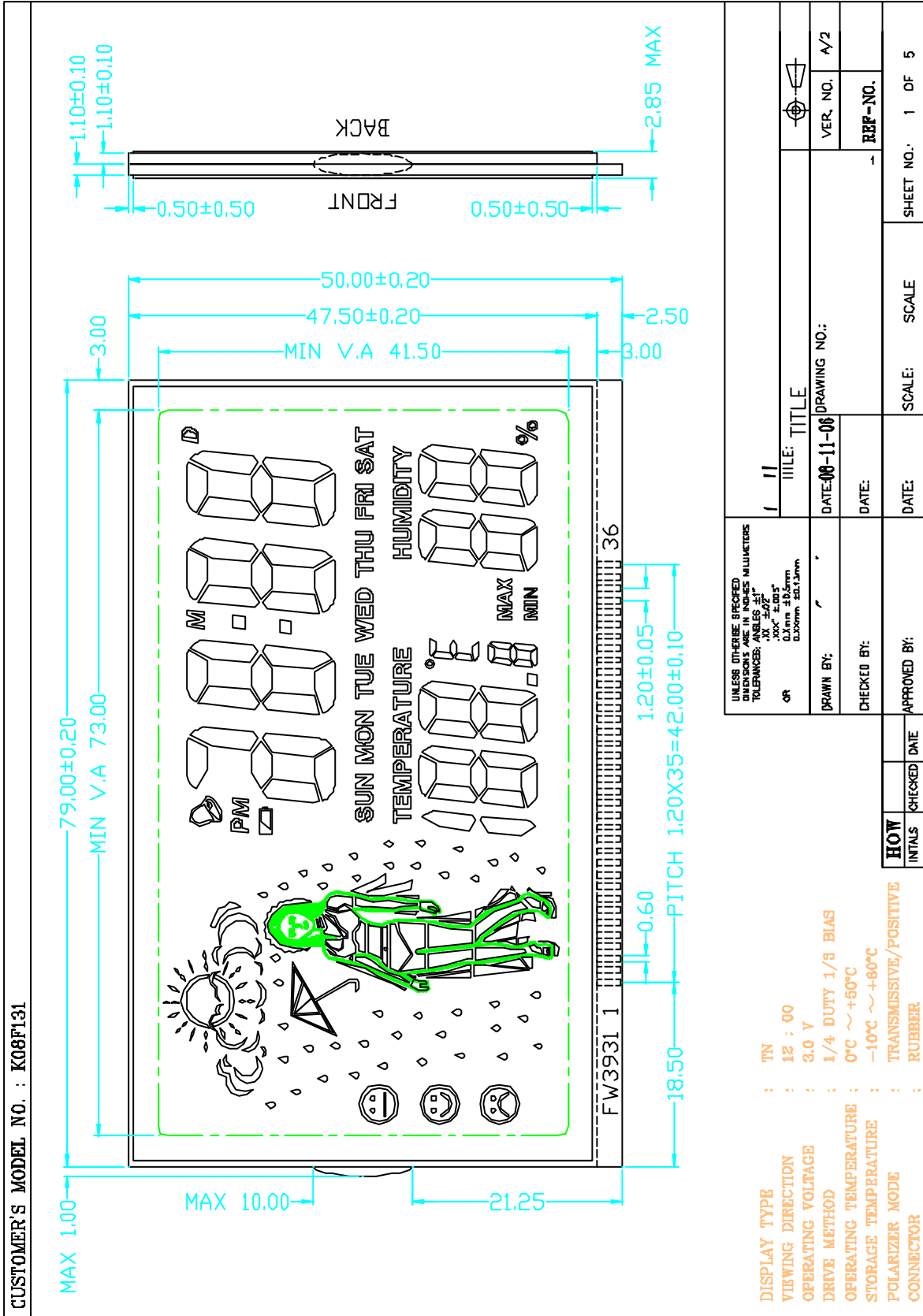


Unit: μm

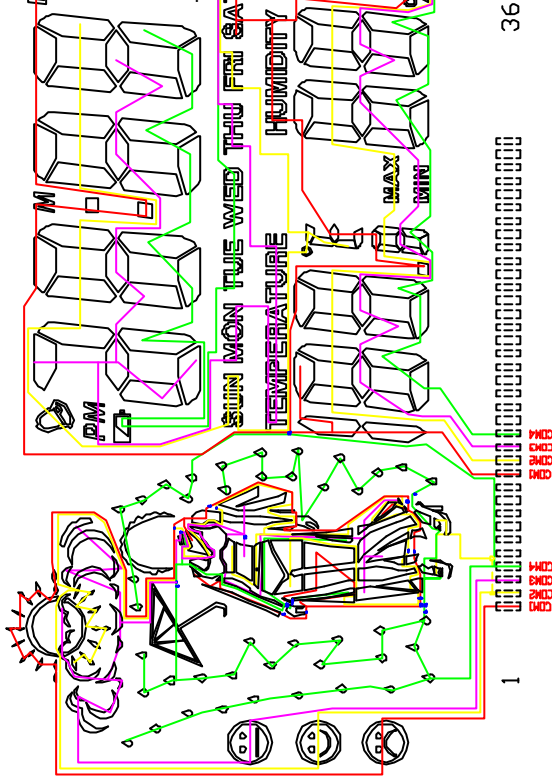
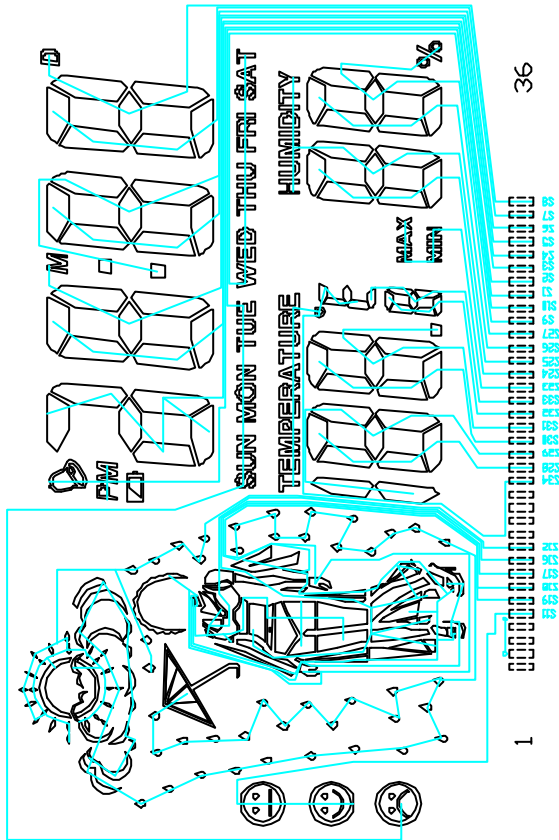
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Pad No.	Pad Name	Coordinate		Pad No.	Pad Name	Coordinate	
		X	Y			X	Y
1	SEG2	-770.00	-840.00	29	SEG32	900.00	840.00
2	SEG1	-640.00	-840.00	30	SEG31	770.00	840.00
3	VLCD	-520.00	-840.00	31	SEG30	640.00	840.00
4	V1	-405.00	-840.00	32	SEG29	520.00	840.00
5	V2	-290.00	-840.00	33	SEG28	405.00	840.00
6	V3	-175.00	-840.00	34	SEG27	290.00	840.00
7	NC	-60.00	-840.00	35	SEG26	175.00	840.00
8	RESET	55.00	-840.00	36	SEG25	60.00	840.00
9	VDD	180.00	-746.00	37	SEG24	-60.00	840.00
BO	PC.1	175.95	-848.90	38	SEG23	-175.00	840.00
10	PB3	295.00	-840.00	39	SEG22	-290.00	840.00
11	PB2	410.00	-840.00	40	SEG21	-405.00	840.00
12	PB1	525.00	-840.00	41	SEG20	-520.00	840.00
13	PB0	640.00	-840.00	42	SEG19	-640.00	840.00
14	PA3	770.00	-840.00	43	SEG18	-770.00	840.00
15	PA2	900.00	-840.00	44	SEG17	-900.00	840.00
16	PA1	900.00	-710.00	45	SEG16	-900.00	710.00
17	PA0	900.05	-590.00	46	SEG15	-900.00	590.00
18	OSCXI	900.00	-470.00	47	SEG14	-900.00	470.00
19	OSCXO	900.00	-355.00	48	SEG13	-900.00	355.00
20	GND	806.05	-240.00	49	SEG12	-900.00	240.00
BO	PC.0	907.60	-248.05	50	SEG11	-900.00	120.00
21	OSCO	900.00	-120.00	51	SEG10	-900.00	0.00
22	OSCI	900.00	0.00	52	SEG9	-900.00	-120.00
23	COM1	900.00	120.00	53	SEG8	-900.00	-240.00
24	COM2	900.00	240.00	54	SEG7	-900.00	-355.00
25	COM3	900.00	355.00	55	SEG6	-900.00	-470.00
26	COM4	900.00	470.00	56	SEG5	-900.00	-590.00
27	SEG34	900.00	590.00	57	SEG4	-900.00	-710.00
28	SEG33	900.00	710.00	58	SEG3	-900.00	-840.00

Note: The IC substrates to the ground.



CUSTOMER'S MODEL NO. :



SEG

COM

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES MILLIMETERS
TOLERANCES:
FRACTIONS .XX
DECIMALS .XXX ±.000"
OR
Ø .XXmm ±0.05mm
D .XXmm ±0.15mm

TITLE: TITLE

DATE: DATE: DATE: DATE:

DRAWING NO.:

VER. NO. A/2

ABOUT 25 CROSS POINTS IN V.A

HOW
INITIALS CHECKED DATE

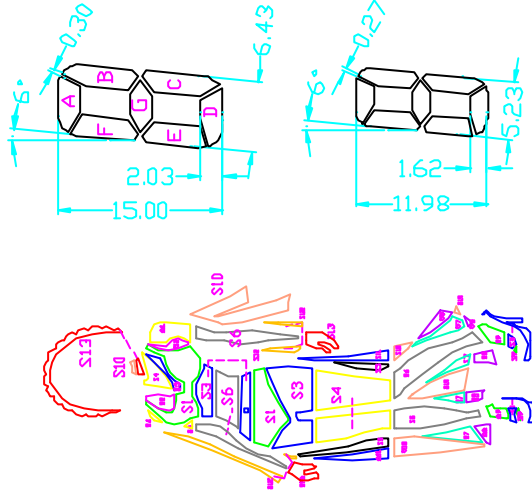
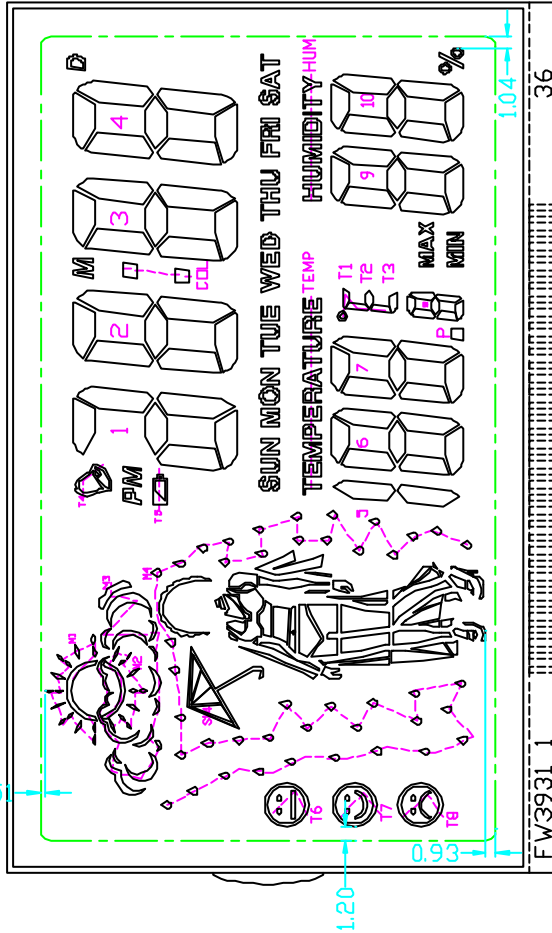
APPROVED BY:

DATE: DATE: DATE: DATE:

SCALE: SCALE: SCALE: SCALE:

SHEET NO.: 3 OF 5

CUSTOMER'S MODEL NO. :



PIN 1	COM1	COM2	COM3	COM4	S11	S19	/	/	/	S10	S9	S13	/	S23	S24	S25	S26	S27	S9	S10	S1	S2	S3	S4	S5	S6	S7	S8	S30
COM1	COM1	COM2	COM3	COM4	T7	/	/	/	/	S10	S9	COM4	/	23	24	25	26	27	28	29	30	31	32	33	34	35	36	7A	
COM2	COM2	COM3	COM4	COM4	T6	/	/	/	/	S10	S9	COM4	/	10A	HUM	%	SAT	T8	/	T4	1B	2F	2A	M	3A	COL	4A	7B	
COM3	COM3	COM4	COM4	COM4	T5	/	/	/	/	S10	S9	COM4	/	9E	9G	10E	10G	10F	10B	FRI	SUN	PM	1A	2E	2G	3E	3G	4E	4G
COM4	COM4	COM4	COM4	COM4	9D	9C	/	/	/	S10	S9	COM4	/	9D	9C	10D	10C	10D	10C	WED	TUE	T5	1C	2D	2C	3D	3C	4D	4C

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES MILLIMETERS
TOLERANCES ANGLE ±1°
XXX ±0.2°
OR
XXX ±0.005"
DIMENSIONS ±0.13mm

TITLE: TITLE

DATE: 00-11-06 DRAWING NO.:

DRAWN BY:

CHECKED BY:

APPROVED BY:

HOW	CHECKED	DATE
INITIALS		

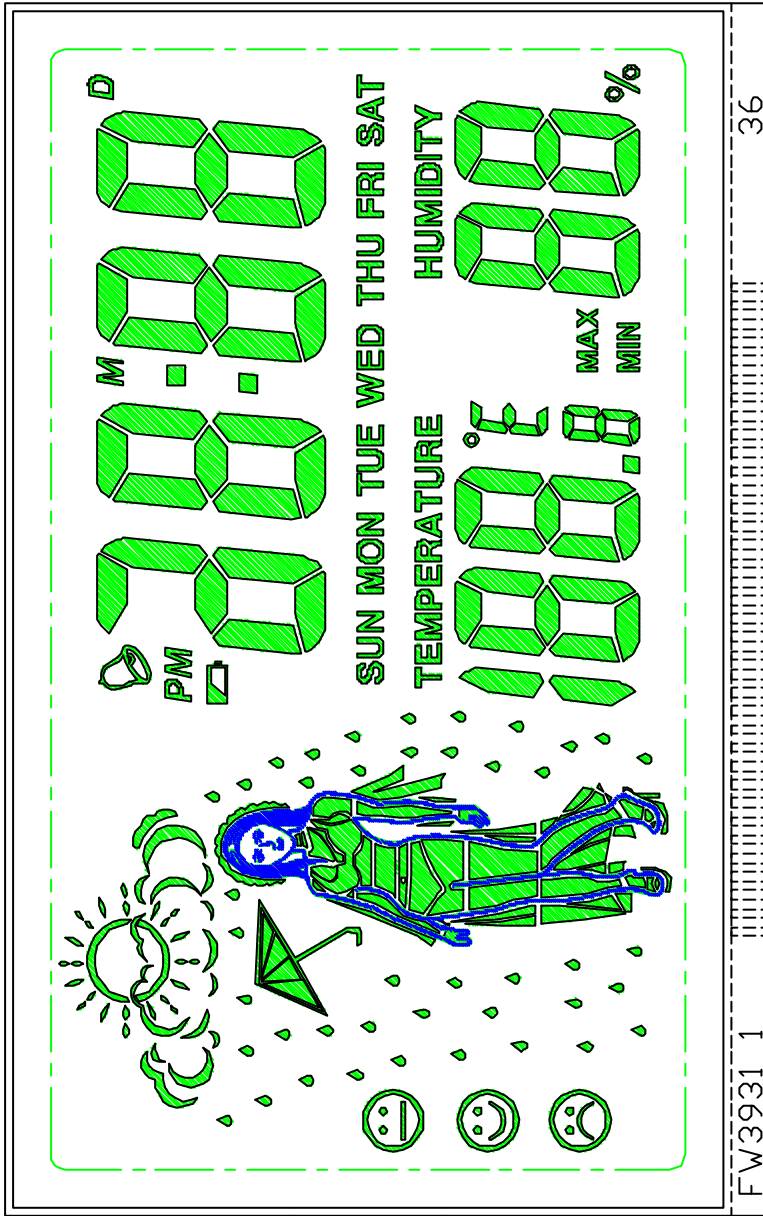


VER. NO. A/2

REP-NO.

SHEET NO.: 2 OF 5

CUSTOMER'S MODEL NO. :



FW3931 1

36

显示效果图

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES MILLIMETERS
TOLERANCES: ANGLES ±1°
XXX ±.02"
XXX ±.006"
Ø .00mm ±0.05mm
X .00mm ±0.15mm

TITLE

DRAWING NO

VER. NO.

DATE:

CHECKED BY

DATE:

APPROVED BY

HOW INITIALS

CHECKED

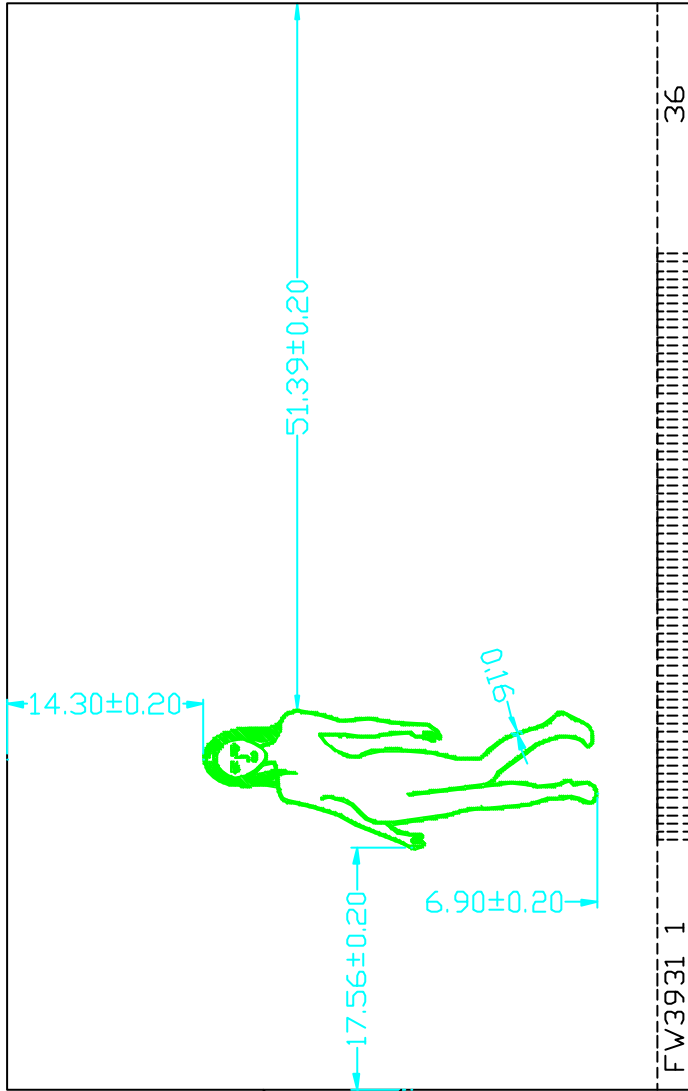
DATE

SCALE

SHEET NO.:

5 OF 5

CUSTOMER'S MODEL NO. :



FW3931 1

底玻璃表面黑色丝印

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES MILLIMETERS
TOLERANCES ANGLES $\pm 1^\circ$
XXX ±.02°
200±.005°
OR
0.25mm ±.01mm
0.50mm ±.02mm



TITLE

DATE: 08-11-08 DRAWING NO.

DATE:

DATE:

VER. NO. A/2

REF-NO.

HOW	CHECKED	DATE
INITIALS		

SCALE

SHEET NO. 4 OF 5