



## **GENERAL DESCRIPTION:**

THE IC'S FUNCTION IS COMPATIBLE TC8492 NOT ONLY ENHANCE THE ESD CAPABILITY BUT ALSO ENHANCE FAST MEASUREMENT FUNCTION.

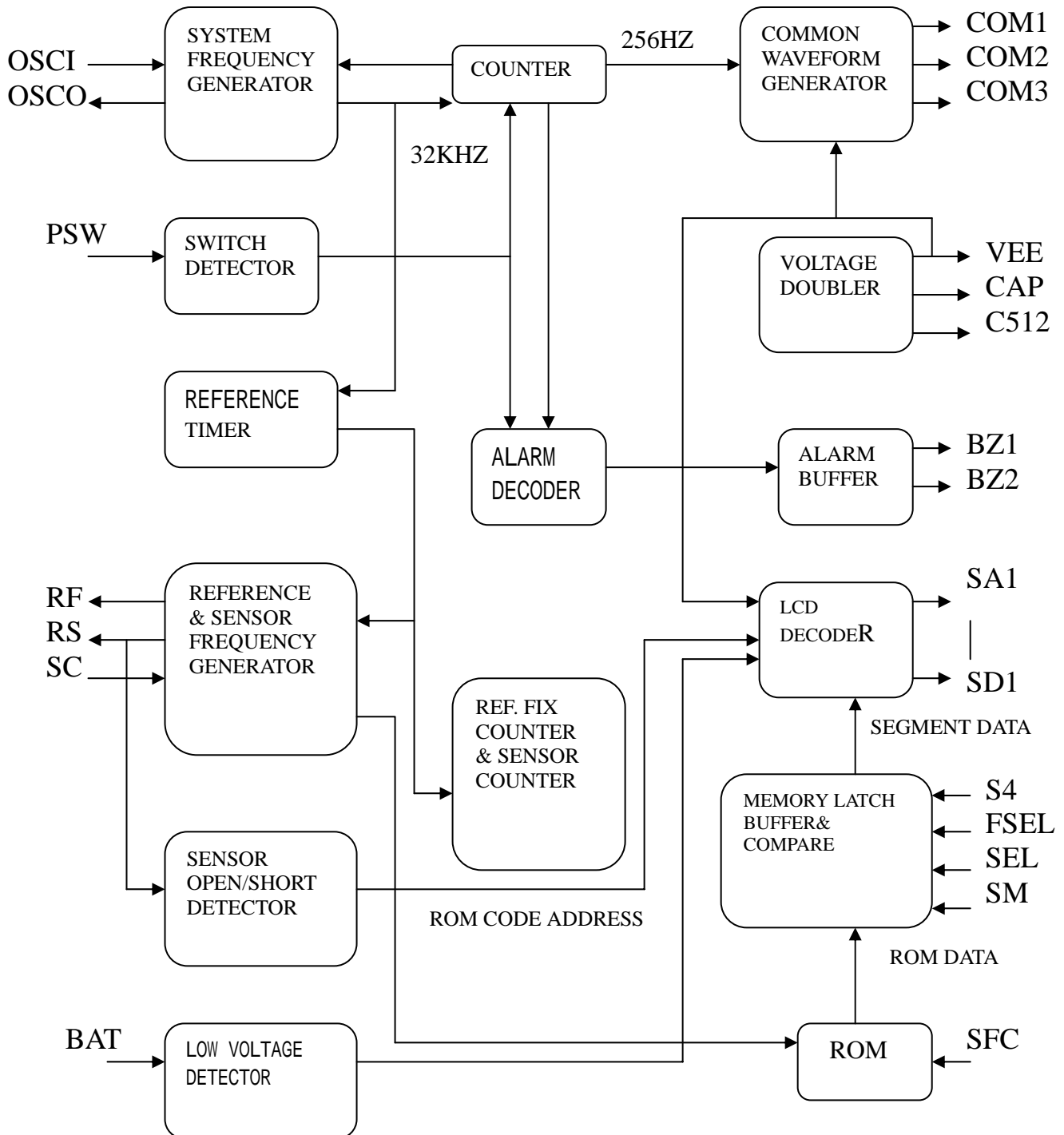
## **FEATURES:**

- ◇ SINGLE 1.5V BATTERY POWER SUPPLY
- ◇ PROVIDE LOWER VOLTAGE DETECTOR FUNCTION
- ◇ PROVIDE FEVER ALARM FUNCTION
- ◇ AUTOMATICALLY TURN-OFF FUNCTION
- ◇ BUZZER ALARM INDICATES ON/OFF BUTTON PUSHES
- ◇ BUZZER ALARM INDICATES NO INCREASE IN TEMPERATURE
- ◇ BUZZER ALARM INDICATES FEVER DETECTED
- ◇ WITHIN BUZZER ALARM INTERVAL DISABLE PEAK TEMPERATURE LATCH
- ◇ BONDING OPTION READ IN THE BIOMEDICAL RANGE OF 32.0 TO 42.0 OR 32.0 TO 44.0
- ◇ BONDING OPTION READ IN THE BIOMEDICAL RANGE OF 89.6 TO 107.6 OR 89.6 TO 111.2
- ◇ BONDING OPTION MEMORY FUNCTION
- ◇ BONDING OPTION OR
- ◇ BONDING OPTION TEMPERATURE STABLE TIME OF FAST MEASUREMENT APPLICATION

## **APPLICATION:**

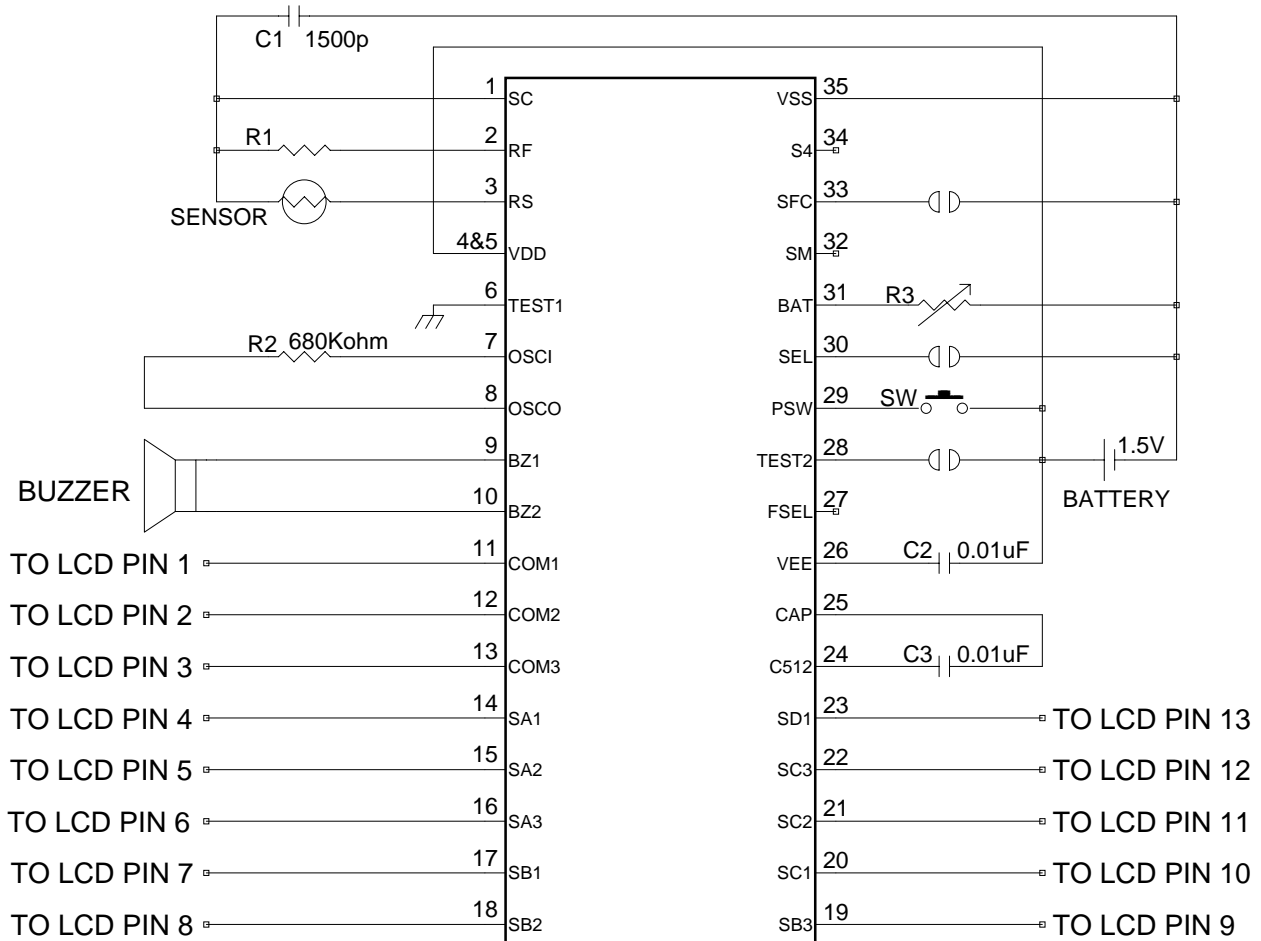
- ◇ 10SEC DIGITAL LCD THERMOMETER
- ◇ 30SEC DIGITAL LCD THERMOMETER
- ◇ 60SEC DIGITAL LCD THERMOMETER

**BLOCK DIAGRAM:**



## APPLICATION CIRCUIT

### 1 FOR TC2156 MODE



**REMARK:**

1. Sensor is use ET-503 sensor.
2. RF is selected according to sensor type.  
And RF= the R(typical) value of Temp(37.0°C) for sensor type + 50ohm.

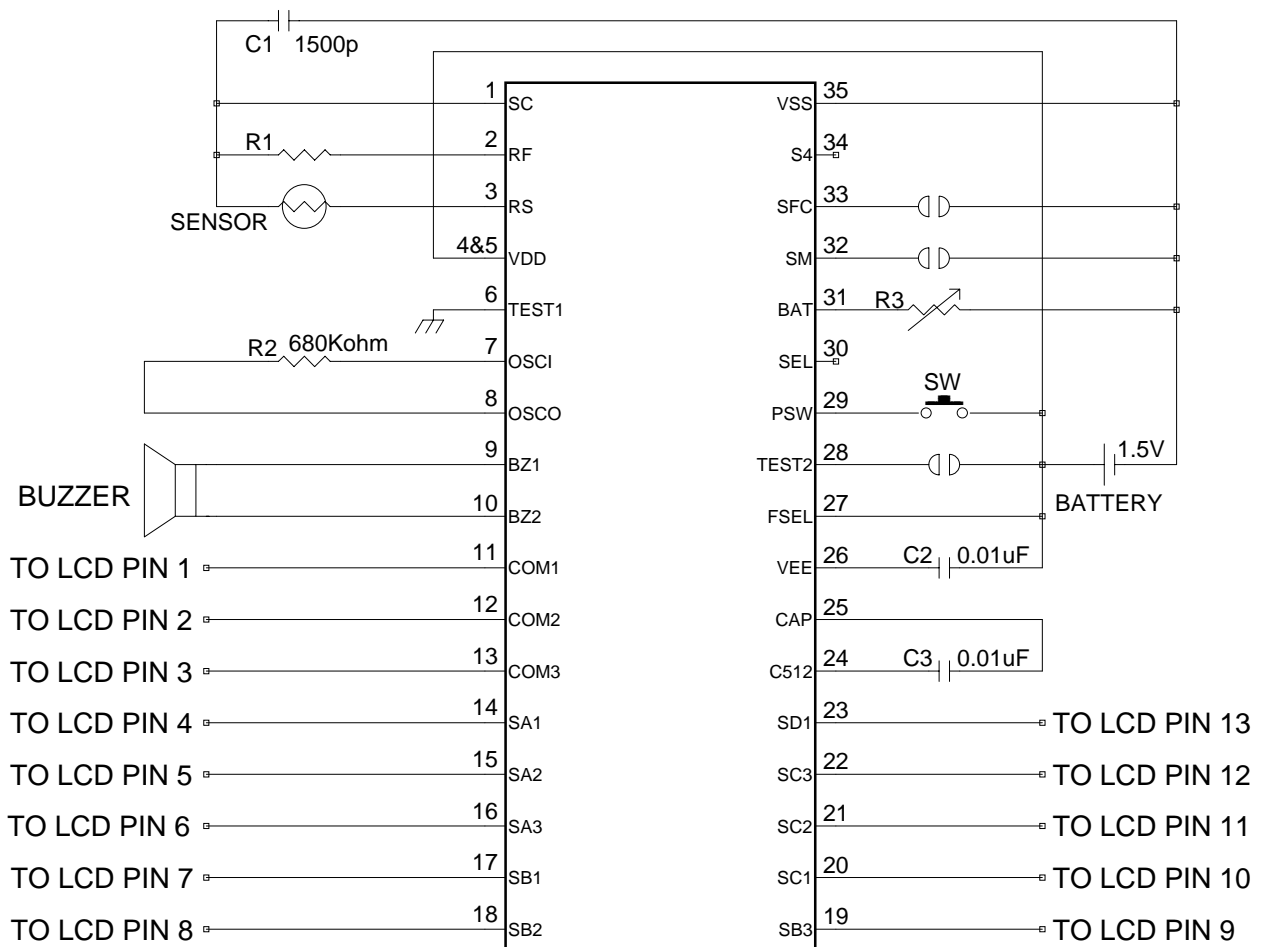
3.

	NC	VSS
SFC pad	°C	°F
SEL pad	LCD-1 (■)	LCD-2 (M)

2655-1

4. The pad 4 and 5 are VDD, please double bonding to VDD.

## 2 FOR TC4367 MODE



**REMARK:**

1. Sensor is use ET-503 sensor.
2. RF is selected according to sensor type.  
And  $RF = \frac{R(\text{typical}) \text{ value of Temp}(37.0^\circ\text{C}) \text{ for sensor type} + 50\text{ohm.}}$

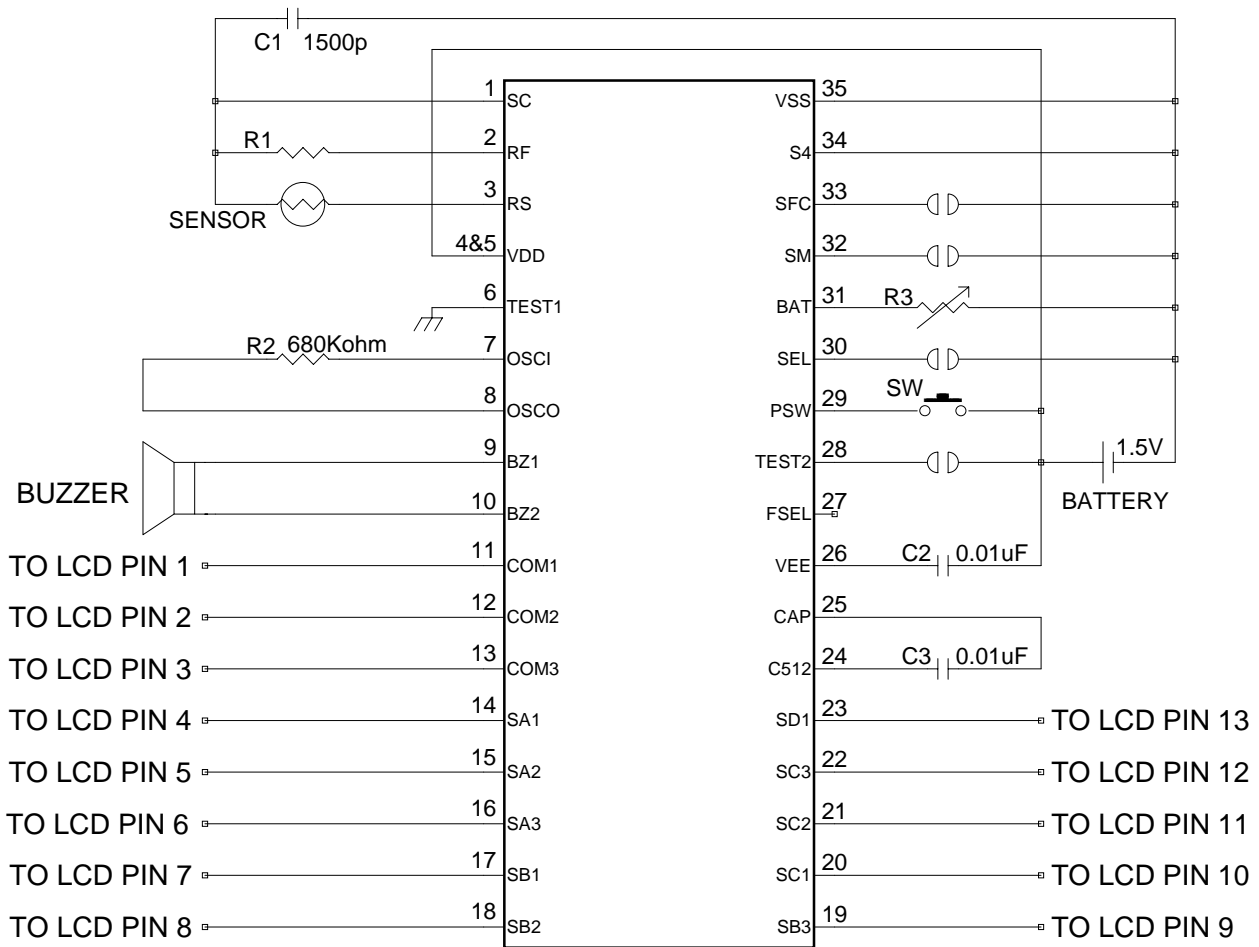
3.

	NC	VSS
SFC pad	°C	°F
SM pad	MEMORY	NO MEMORY

2655-2

4. The pad 4 and 5 are VDD, please double bonding to VDD.

## 3 FOR TC2156 MODE FAST MEASUREMENT APPLICATION



**REMARK:**

1. Sensor is use ET-503 sensor.
2. RF is selected according to sensor type.  
And  $RF = \text{the } R(\text{typical}) \text{ value of Temp}(37.0^\circ\text{C}) \text{ for sensor type} + 50\text{ohm}$ .

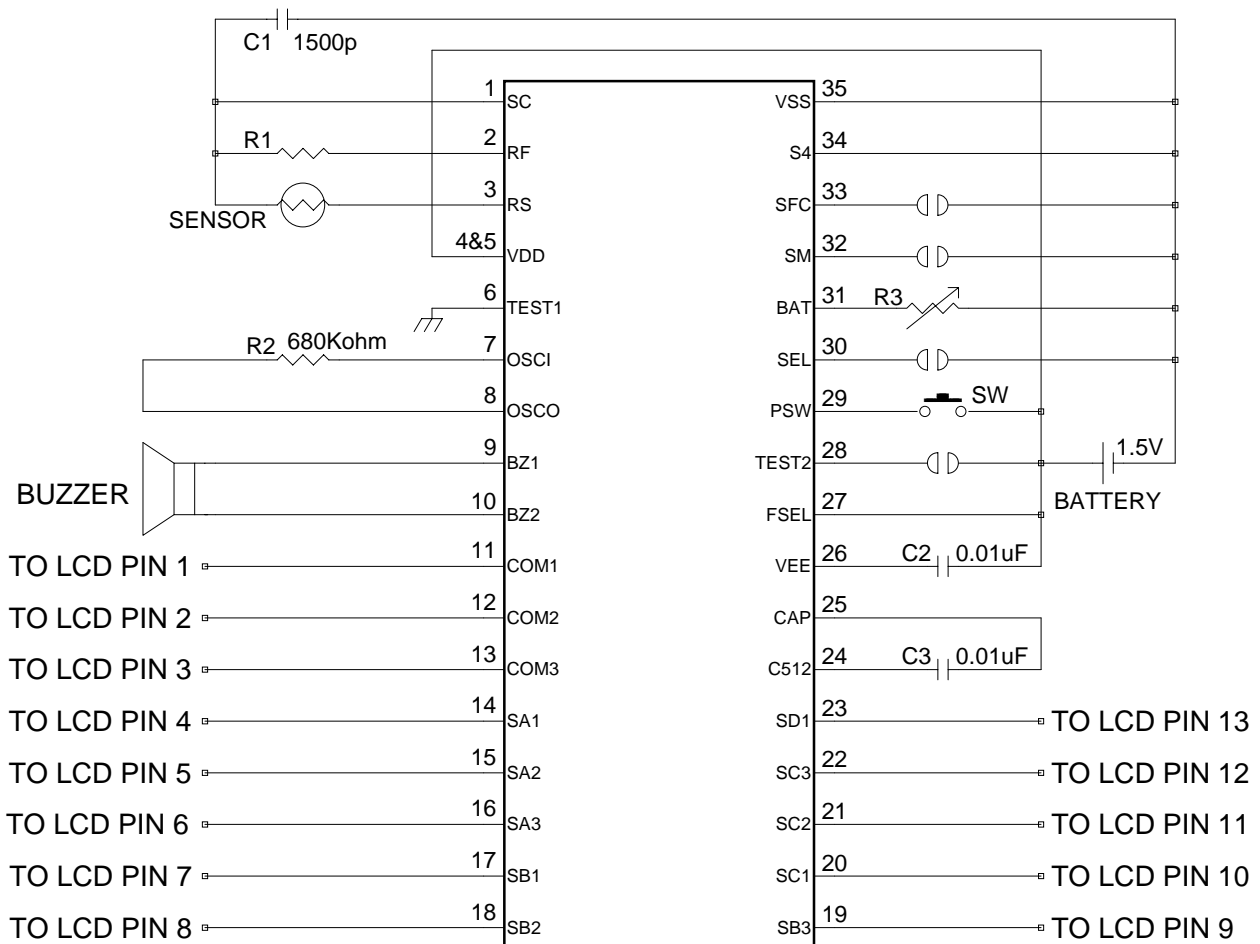
3.

	NC	VSS
SFC pad	°C	°F
SEL pad	LCD-1 (■)	LCD-2 (M)
SM pad	4 SEC	8 SEC

2655-3

4. The pad 4 and 5 are VDD, please double bonding to VDD.

## 4 FOR TC4367 MODE FAST MEASUREMENT APPLICATION



REMARK:

1. Sensor is use ET-503 sensor.
2. RF is selected according to sensor type.  
And  $RF = \text{the } R(\text{typical}) \text{ value of Temp}(37.0^{\circ}\text{C}) \text{ for sensor type} + 50\text{ohm}$ .

3.

	NC	VSS
SFC pad	°C	°F
SM pad	MEMORY	NO MEMORY
SEL pad	4 SEC	8 SEC

2655-4

4. The pad 4 and 5 are VDD, please double bonding to VDD.

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