

Dual display voltage and current meter

Module: DSN-VC288 V1.1

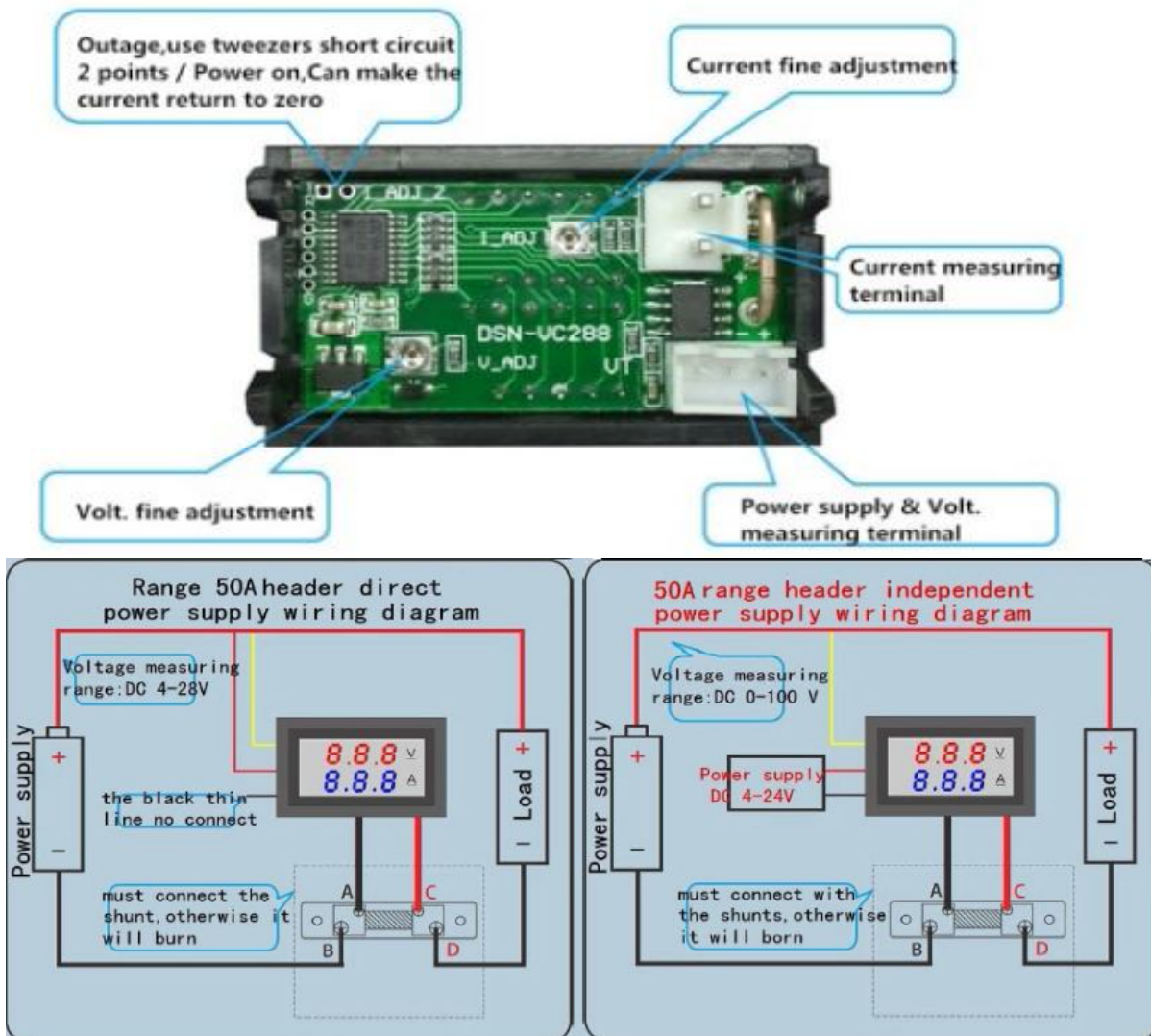
Specification:

Voltage measurement range:	0.0V-100V Max.
Current test range:	0-999mA, 0-10A, 0-50A, 0-100A (4range optional)
Power supply range:	4.5V ~ 24V
Working current:	< 20mA
Voltage error:	±0.1%
Current error:	±1%
External shunt specifications:	75 milli volt
Refresh rate:	300mS
Display method:	2 by 3, 0.28 "7-Seg LED
Display colour:	Red = V, Blue = A
Lead length:	15cm
Dimensions:	L=48 x H=29 x T=22 mm
Mounting holes:	46 x 27 mm
Operating temperature:	-10°C~65°C

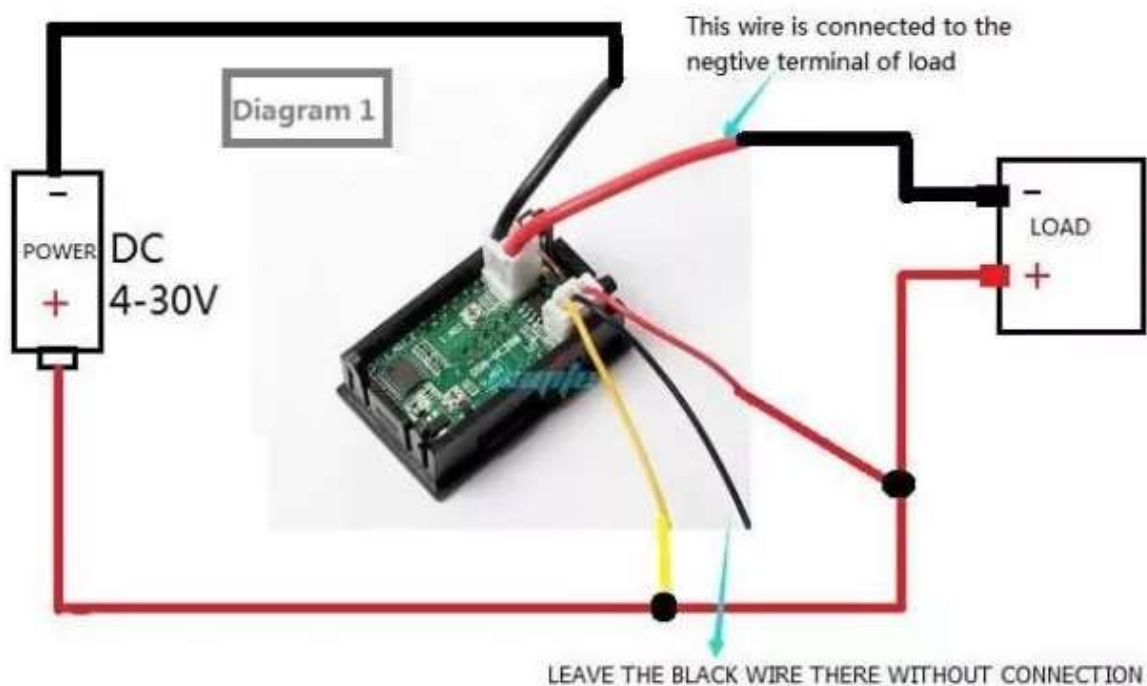
Precautions:

1. Range of 50A or 100A of the table must be connected to the shunt to power, or will burn out.

Pins: 2. This section of the head power supply range is 4 ~ 24V (out of range will burn), the measurement range is 0 ~ 100V max, such as the need for direct measurement of electric vehicles or solar systems voltage and current, please use the following paragraph.



The min voltage input for the meter is 4V. And the max voltage the meter can resist is 30V. So if the voltage to be measured is between 4-30V, you can wire it like this diagram. Otherwise, please use a separate power source for the meter (Please check diagram 2)



DSN- VC288 Panel Mount DC 100V 10A Voltmeter Ammeter

This DC 100V 10A Ammeter Voltmeter is consist of 0.28 inch 5 wire red LED. With 100V DC can be measured by this meter with 0.1V resolution. This volt ammeter contains 2 wire harnesses. 2 poles with RED and BLACK lead used to provide power for the meters. this meter is portable and small in size. DSN-VC288 DC 100V 10A shows volt and ammeter at the same time on the same screen.

Its operating voltages are 6 to 30 volts. This is a separate power supply that is isolated from the source, it is possible to use the same supply but it seems to affect the amp meter reading. 3 wire harness used for a ground.

Specifications of DSN-VC288 DC 100V 10A Voltmeter Ammeter:

DSN-VC288 DC 100V 10A voltage measurement range is 0.0 to 100V.

Its current test range is 0 to 999mA, with 0 to 10A.

DC 4 to 30V is its power supply range.

Its voltage error is $\pm 0.1\%$.

Its current error is $\pm 1\%$.

Its working current value is $< 20\text{mA}$.

Its refresh rate is almost 300ms once.

It can display a double three-digit 0.28 inch LED digital tube.

Its display color is RED and BLUE.

Its size is 48 x 27 x 22mm.

Its working temperature is -10 to 65 degrees centigrade.

KEY FEATURES OF DUAL DISPLAY 0-100V / 0-10A PANEL METER:

0-100V DC voltage measurement range

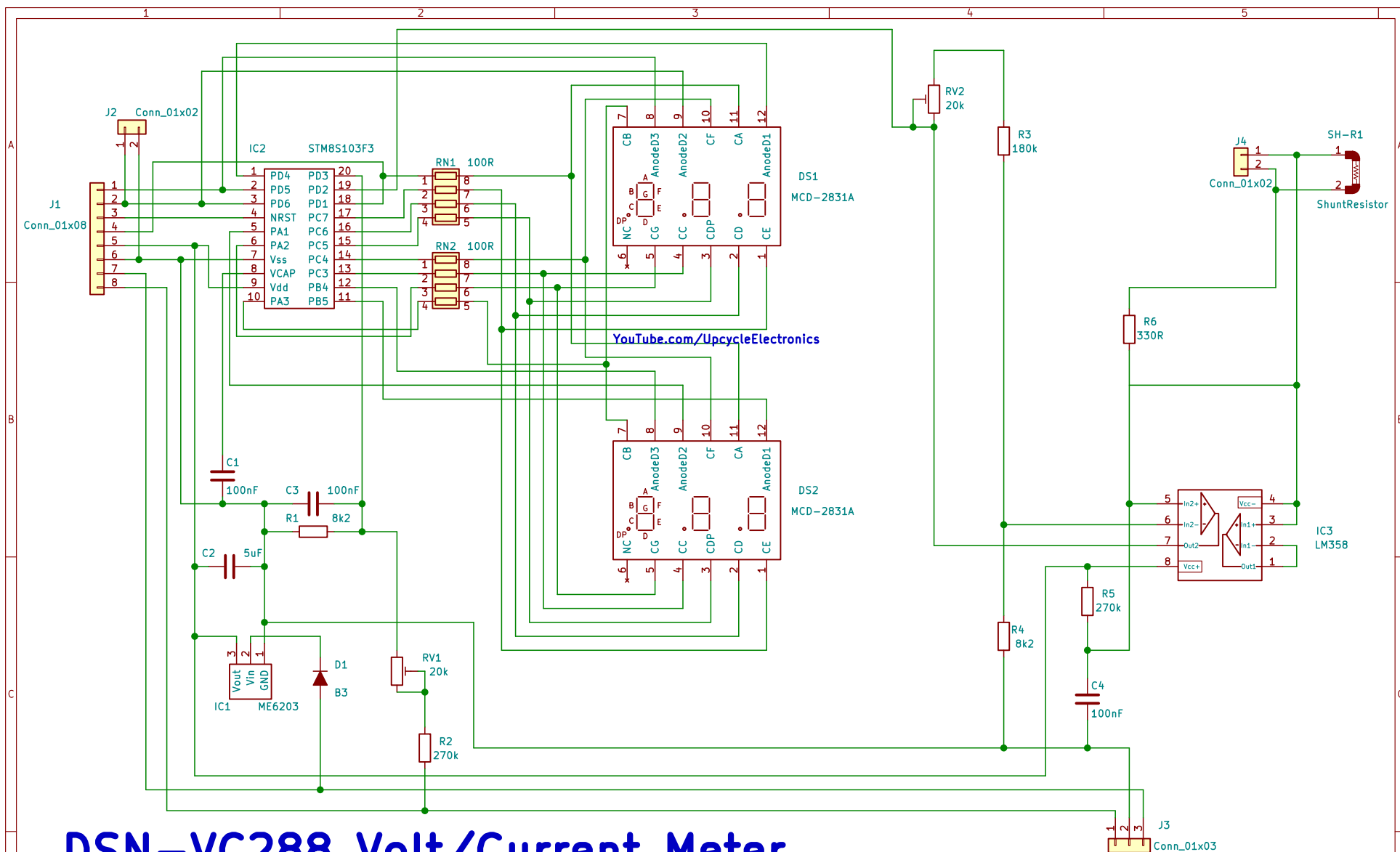
0-10A Low-side DC current measurement range with built-in current shunt

Dual 0.28" 7-segment displays

4.5 to 30V operating voltage

± 1 digit accuracy

These modules work well for monitoring both voltage and current in applications such as solar cells or they can be used in home brew power supplies to provide a digital readout.



DSN-VC288 Volt/Current Meter

Company/Designer – Unknown

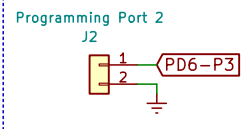
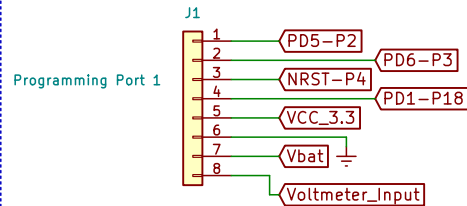
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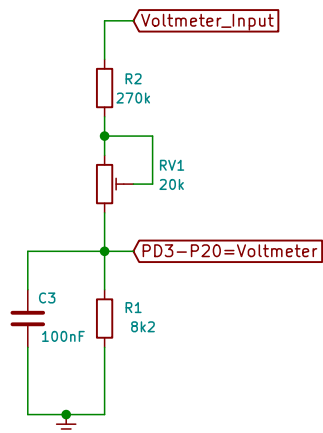
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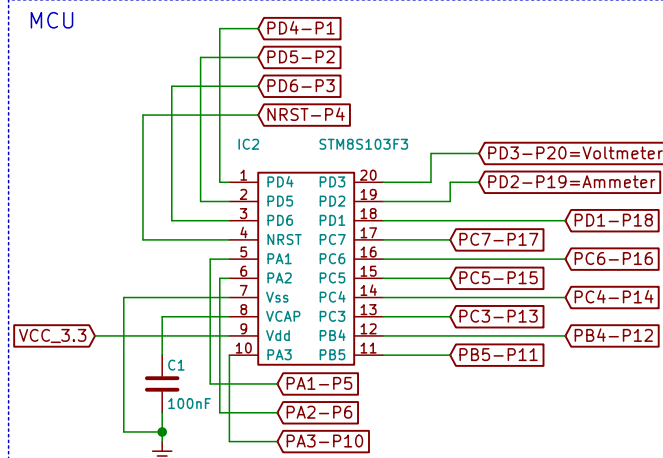
DSN-VC288 Volt/Current Meter



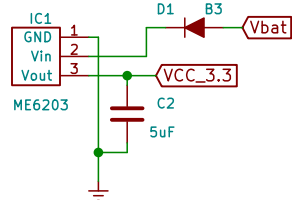
Voltmeter Input Divider



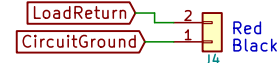
MCU



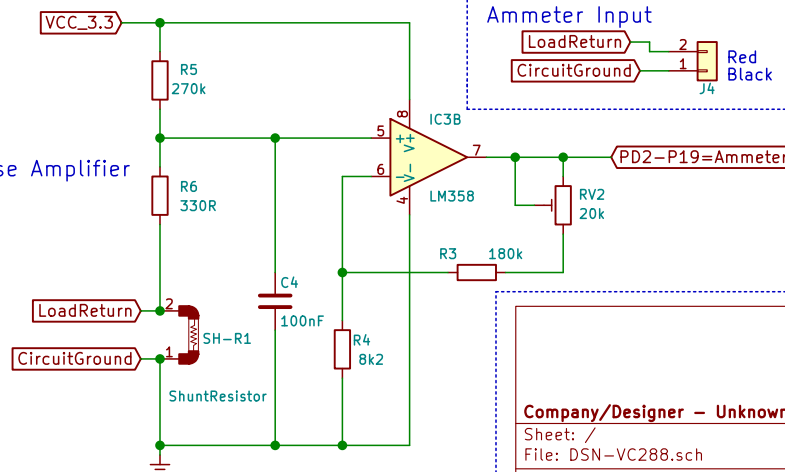
3.3 Volt Regulator



Ammeter Input



Ammeter Sense Amplifier



Company/Designer – Unknown

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Dual 7 Segment Display

