USB POWER SUPPPLY

PRODUCT CODE: M00270021

DESCRIPTION: This small equipment is to simulate the USB power in the computer such that all the equipment originally needs to plug into the computer can be used without computer.

READ BEFORE INSTALLATION:

- Put the component on the side of screen printing and solder on the back of PCB without printing. Placing direction of component
- On component, longer leg is "+"
- On PCB marking, square pad as Figure 1 is always "+" For diode, please install as Figure 2.
- For Voltage Regulator, please place the component as Figure 4. 4
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- Do not put the LED to very bottom, just install as Figure 3. For 9v Battery Adaptor, Red is B+ and Black is B-. Also, please tie a knot after the red and black wire has passed the neighbors hole before soldering. This is similar to Figure 5.

MARK ON DIODE • This is DIRECTION OF MARKING ON PCB ងុត្ត FIGURE 1 FIGURE 2 FIGURE 3 TIE A KNOT HOLE ON PCB 3.5mm MONO JACK SOCKET MARKING ON PCB SOLDERING FIGURE 4 FIGURE 5 FIGURE 6 \sim РСВ FIGURE 7

CIRCUIT EXPLANATION:

- Please read the below together with the circuit diagram in Figure 8. The function of D1 is to prevent reverse power supply. Part 1 is a voltage regulating circuit that gives out stable 5V as standard USB.
- Part 2 is a LED to show up the equipment is on.
- Part 3 is the output of USB.

CIRCUIT DIAGRAM:



INSTALLATION:

Just install the component to the PCB M00260037 according to below table.

ITEM	SYMBOL ON PCB	DESCRIPTION	OUTLOOK	DIRECTION IS
				IMPORTANT?
1	R1	RESISTOR, 330ohms	ORANGE, ORANGE BROWN	NO
2	D1	DIODE, IN4001	FIGURE 2	FIGURE 2
3	C1	CAPACITOR, 0.1uF	MARK WITH 0.1uF OR SAME MEANING OF VALUE	YES
4	C2	CAPACITOR, 0.33uF	MARK WITH 0.33uF OR SAME MEANING OF VALUE	YES
5	Ll	LED	ONE LONG LEG AND ONE SHORT LEG	YES
6	VRE	VOLTAGE REGULATOR, LM7805	FIGURE 4	FIGURE 4
7	USB	USB RECEPTACLE	GUESS YOUSELF	YES
8	SWITCH	SLIDE SWITCH	SIX LEGS	FIGURE 7
9	DCJACK	3.5mm MONO JACK SOCKET	FIGURE 6	YES
10	B+, B-	9v BATTERY ADAPTOR	RED WIRE, BLACK WIRE	YES

If you wan to use external DC adaptor as power supply, the output power must be at least 5W with the voltage around 8V to 25V. .