



February 03, 2014

VE testing

We had X persons test prior to the meeting.

CONGRATULATIONS TO ALL !!!

Jesse McCurrie Tech

Kenneth Sciacca Tech

Michael Vera Tech

Christopher Varner Tech

Brian Varner General

DUES

See Bob Foxworth

HAMCATION Feb 7,8,9





PICNIC - LAKE PARKER PARK

MARCH 15, 2014

Dawn to 2pm

It will be at the same site as some of our previous picnics. The hamburgers, hotdogs, buns, and condiments will be supplied by

Happy Birthday



HP DPS-600PB B Power Supply





HEWLETT
PACKARD

交換式電源供應器
交換式电源供应器



CM-1



Model(型号/型号): DPS-600PB B REV(版本):0E(04)
P/N(料号/料号):321632-001
GP/N(料号/料号):367238-001
Spare Number(料号/料号):338022-001
Series(序列):ESP135



R33030

INPUT(输入/输入) 100-240V ~/ 50-60Hz;8.6A(Max)
OUTPUT(输出/输出):575W(Max)



B190205

+12.15V == / 47A
+5VSB == / 7A
-12V == / 0.5A



N279

WARNING! HAZARDOUS AREA
Do not remove this cover.
No serviceable components inside.

PRODUCT OF CHINA
DCGP
中國(東莞)產品
中国(东莞)产品



S/N: A



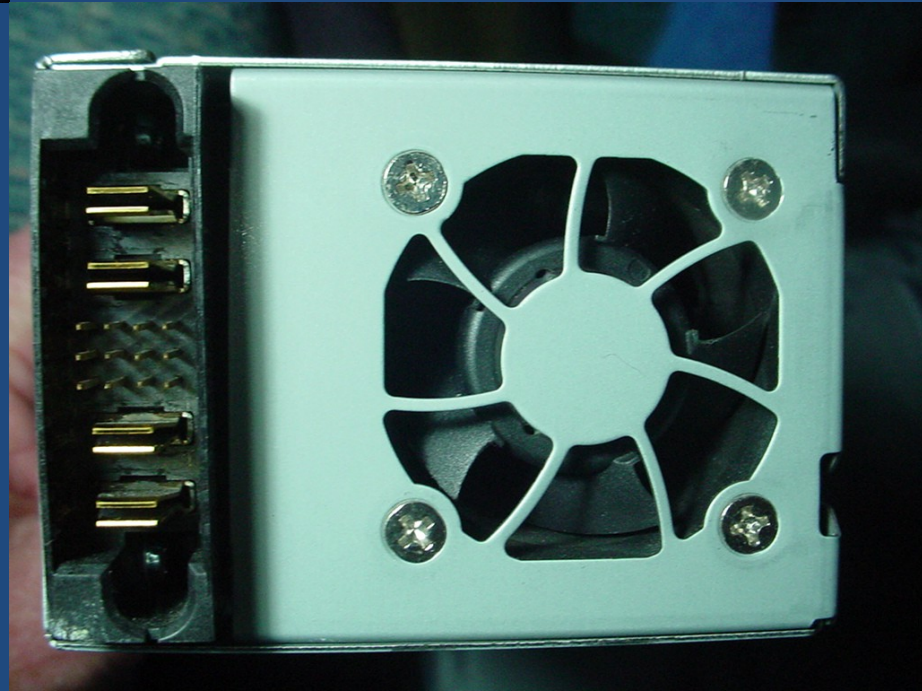
CT:57





The front has the AC cord input, the power ON indicator light, and a handle. The front is perforated for cooling. These power supplies were used in “server farms”. They can be hot swapped and provide current sharing in their intended environment. Lucky for Ham operators technology changes quickly and we become the benefactors of this technology on the surplus market.

The rear of the unit has the power out connections, control pins, and the cooling fan. The control pins and the output is why these are very usable in Ham Radio. The control pins are what we will look at in this presentation as they will assist us in choosing the application we want to use it for. Using it to power a rig at 13.8v @47 amps or set it as a variable power supply that can go from 0v to 13.8 v. The fan will also vary speed with the load placed on the power supply.







HEWLETT PACKARD
MODEL: HP PWR SUPPLY
PART NUMBER: 4058405
SERIAL NUMBER: 4058405129K

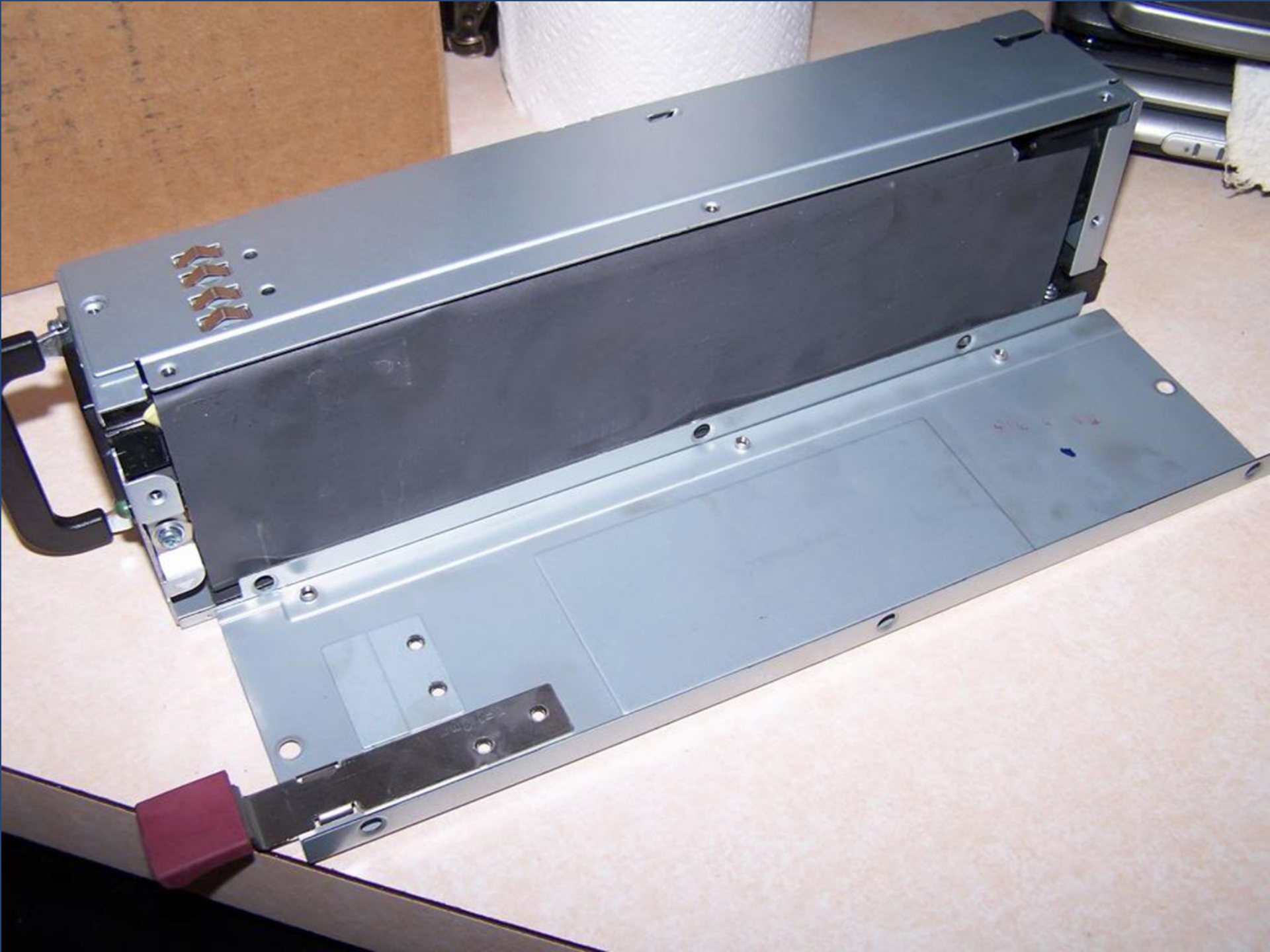
INPUT: 100-240V ~ 50/60Hz
OUTPUT: 12V 1.5A

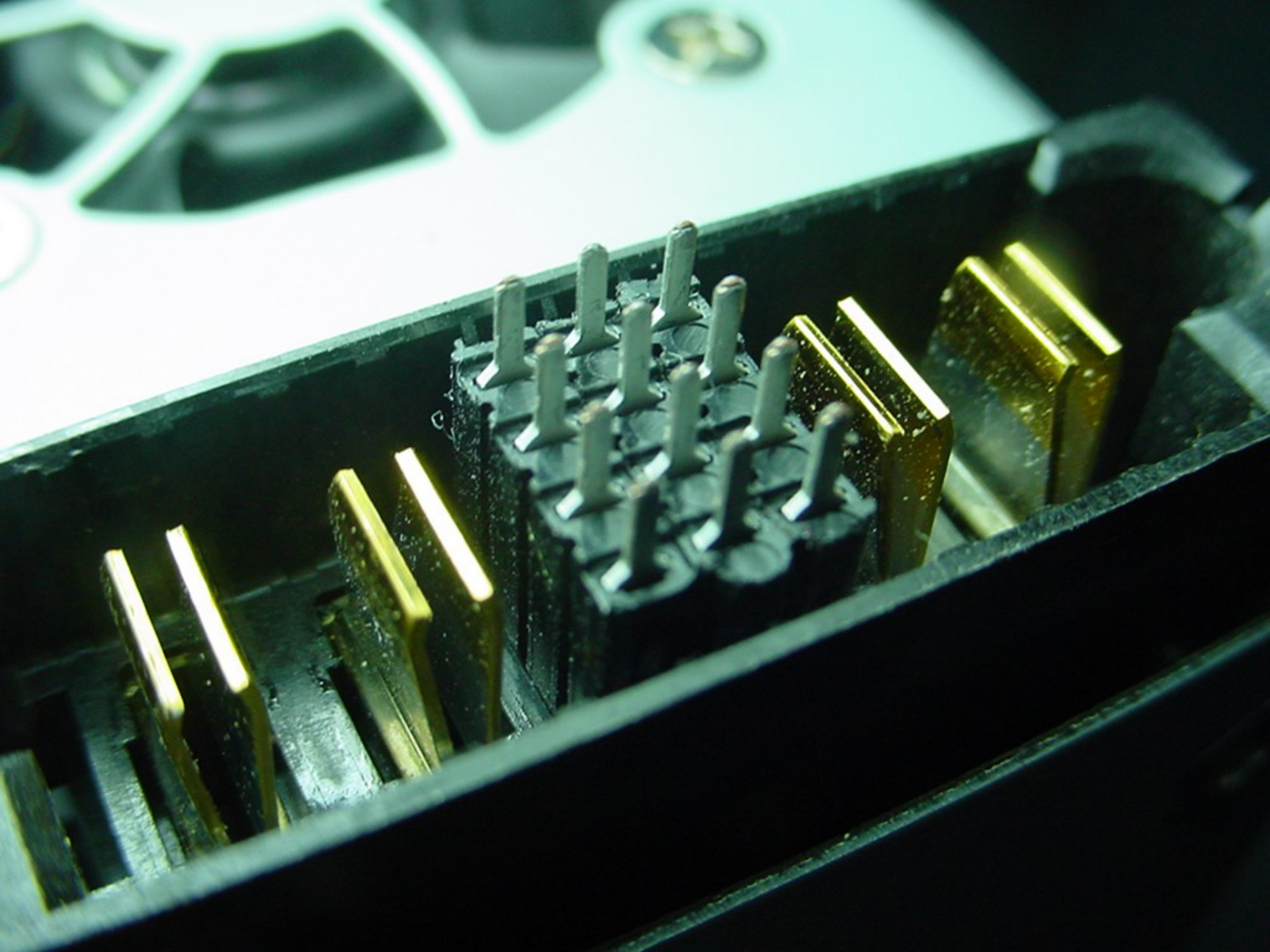
REGULATED
OVERCURRENT PROTECTION
OVERTEMPERATURE PROTECTION

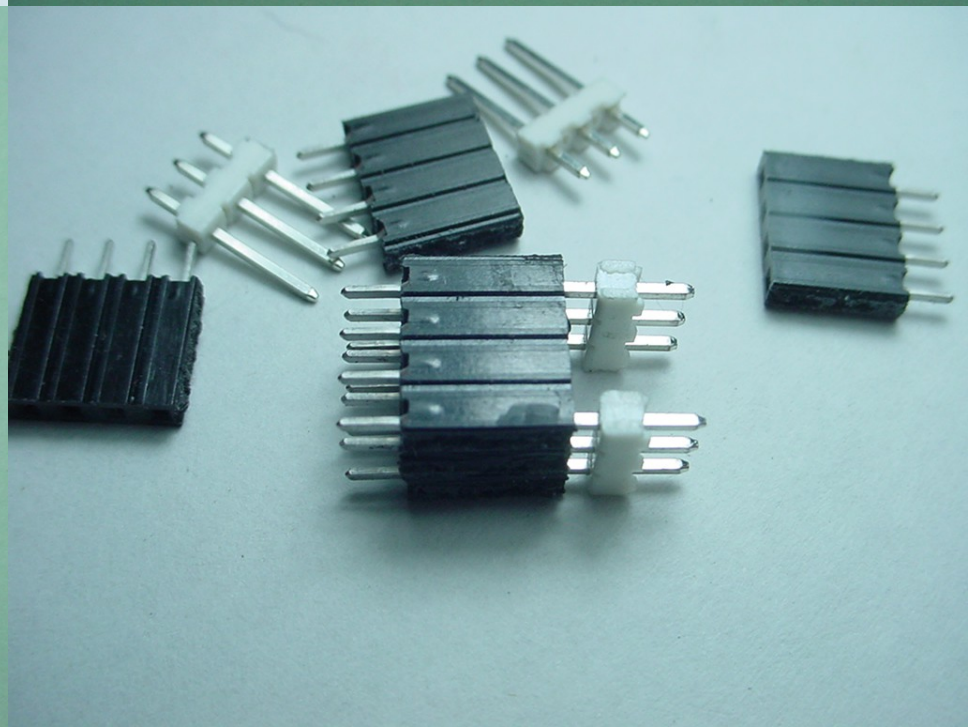
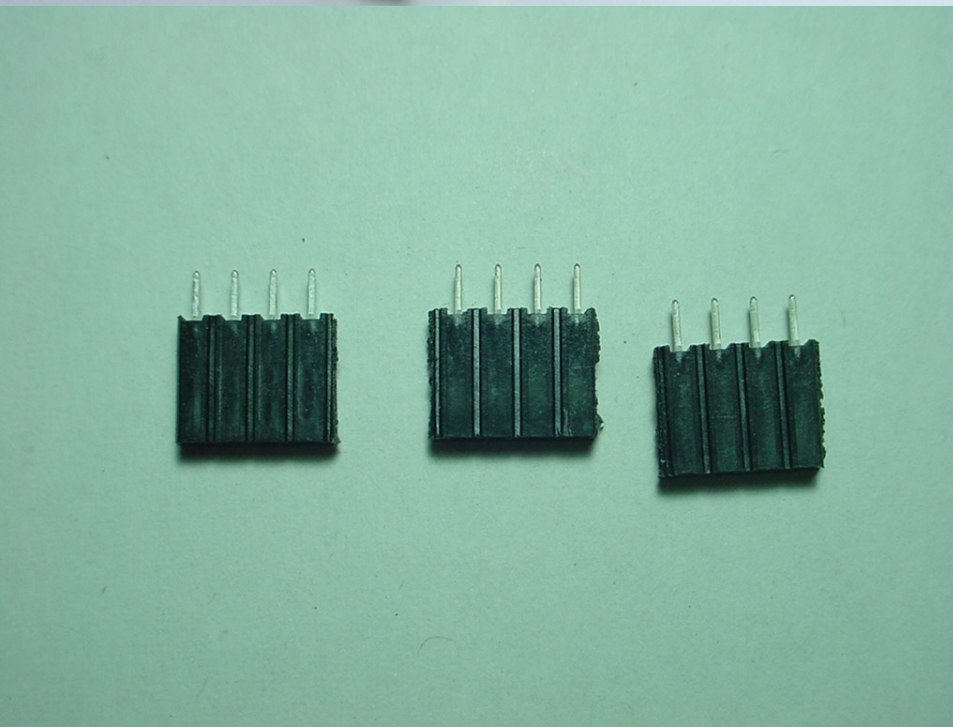
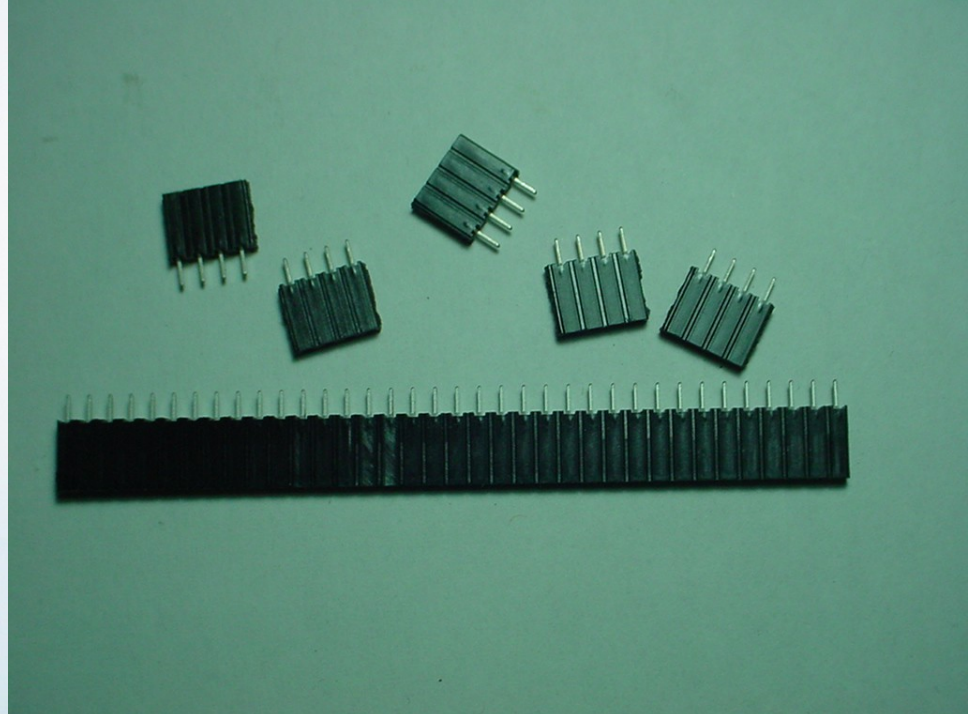
RECYCLED MATERIALS
ROHS COMPLIANT

CE
FCC
UL
CSA
VCCI
KC
S
B
K
L
M
N
P
R
S
T
X
Y

HP
PWR SUPPLY
4058405







A20U

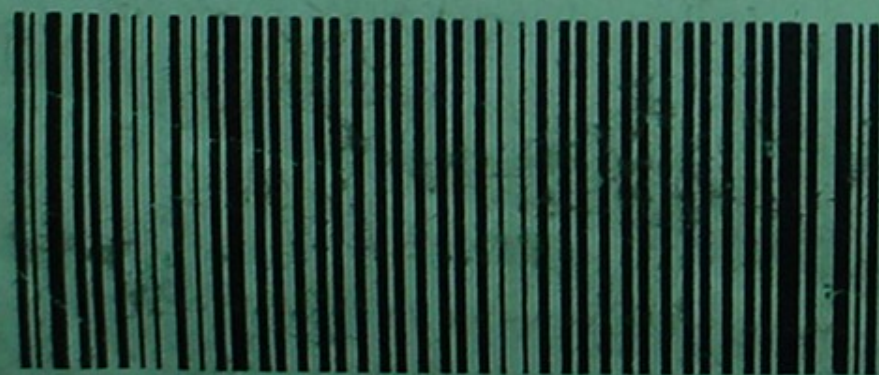
DIGI-KEY 800 344-4539

23-JUL-2007 20:2

P/N: 929974-01-36-ND

MFG P/N: 929974-01-36

DESC: CONN F-HDR .100 SNGL STR 36POS



00041300000000005000000

LEAD ALL
ROHS NONC

LOT CODE

DATE CODE

JUL-2007

COUNTRY/ORIGIN

USA

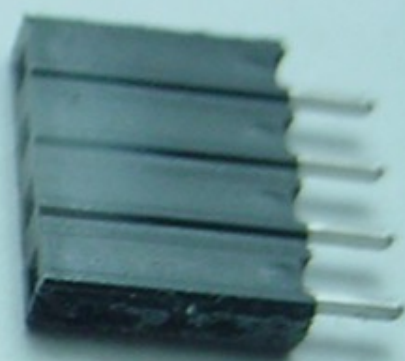
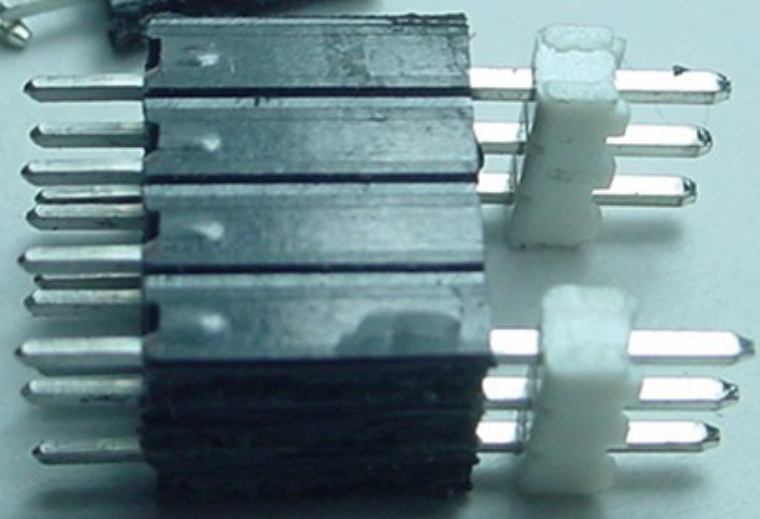
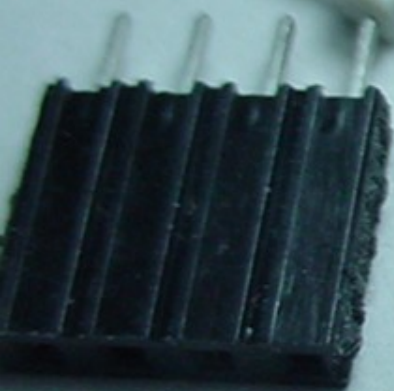
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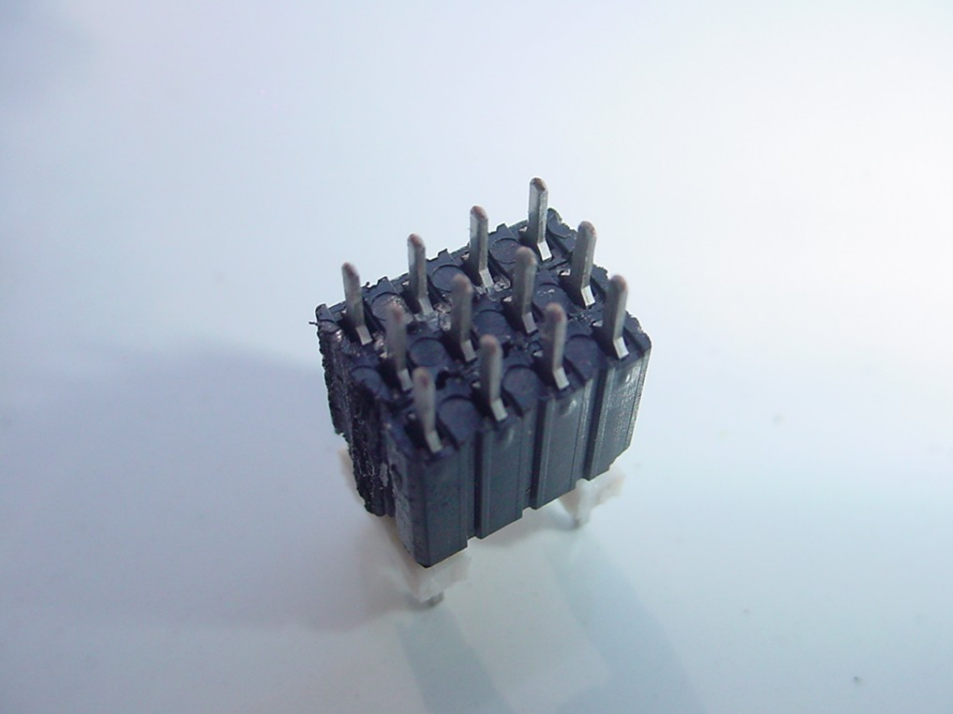
LABELS ONLY

QTY

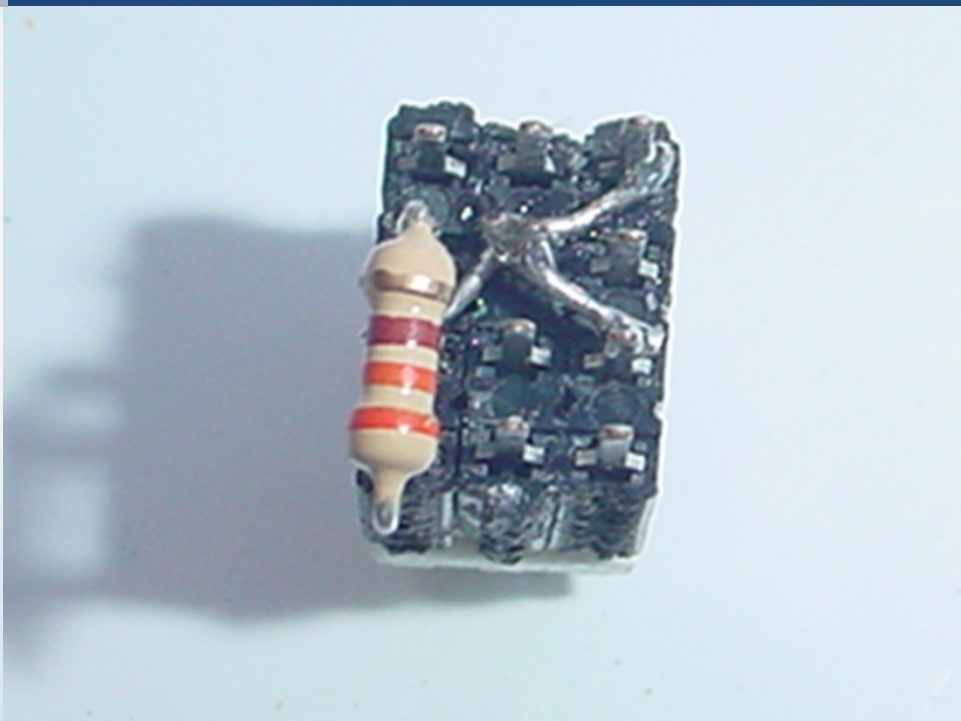
DESTINATION

LO-2244





What we are now going to do is take the header we constructed and add on a 330 ohm resistor and a couple of wires to “program” the power supply to our desired use. This configuration gives us 13.6 v @47a. Why use a 330 ohm resistor? Well I did not have the size to make it 13.8v in my tray but I have several 330 ohm so that was the deciding factor. A 1K variable resistor can be substituted for the 330 ohm and you can vary the supply from 12v to 13.82v.

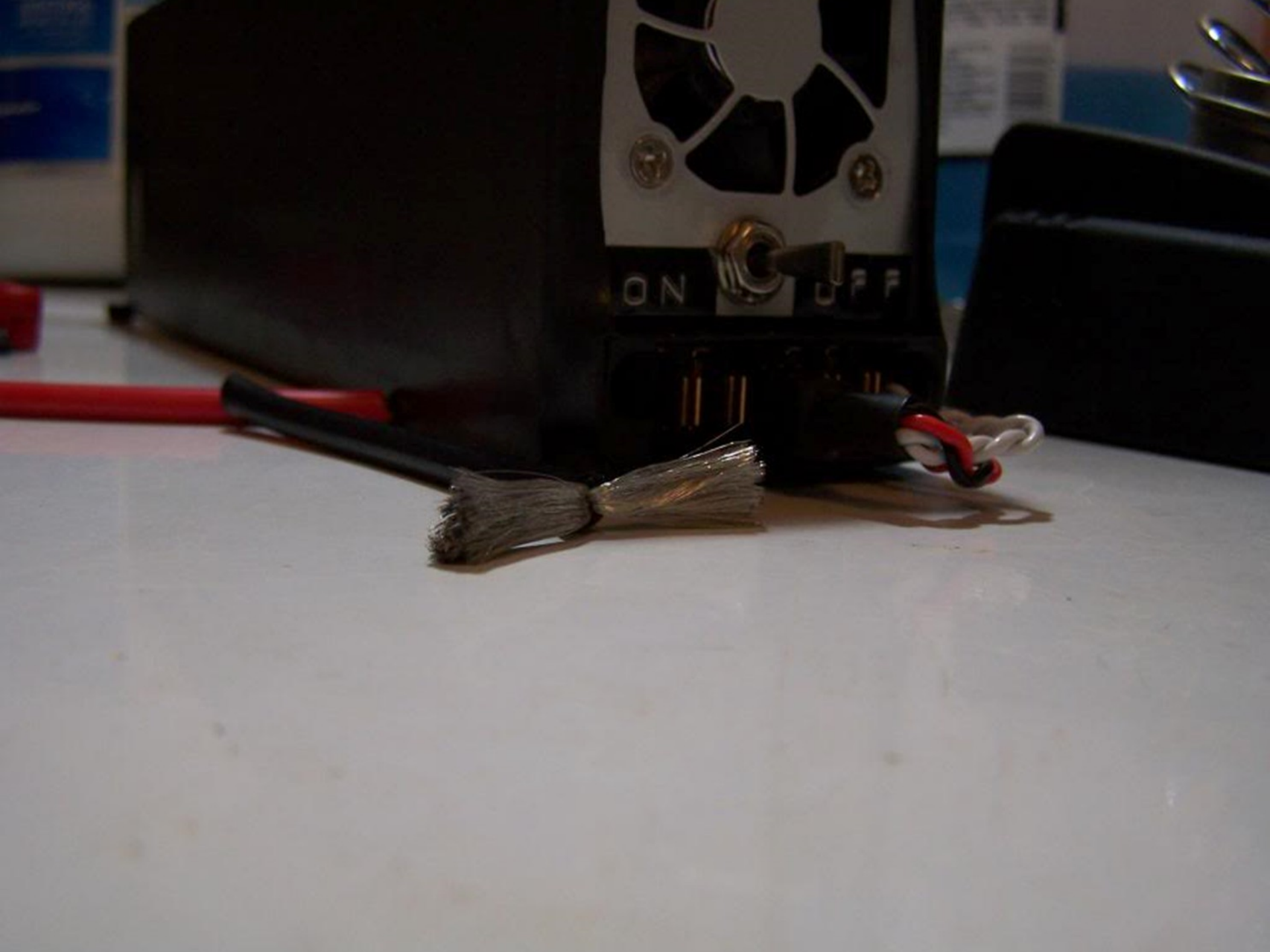






DCV 200 1000 750 ACV 200 1.5V(4.0mA) 9V(25mA) DCA 200μ 2000μ 20m

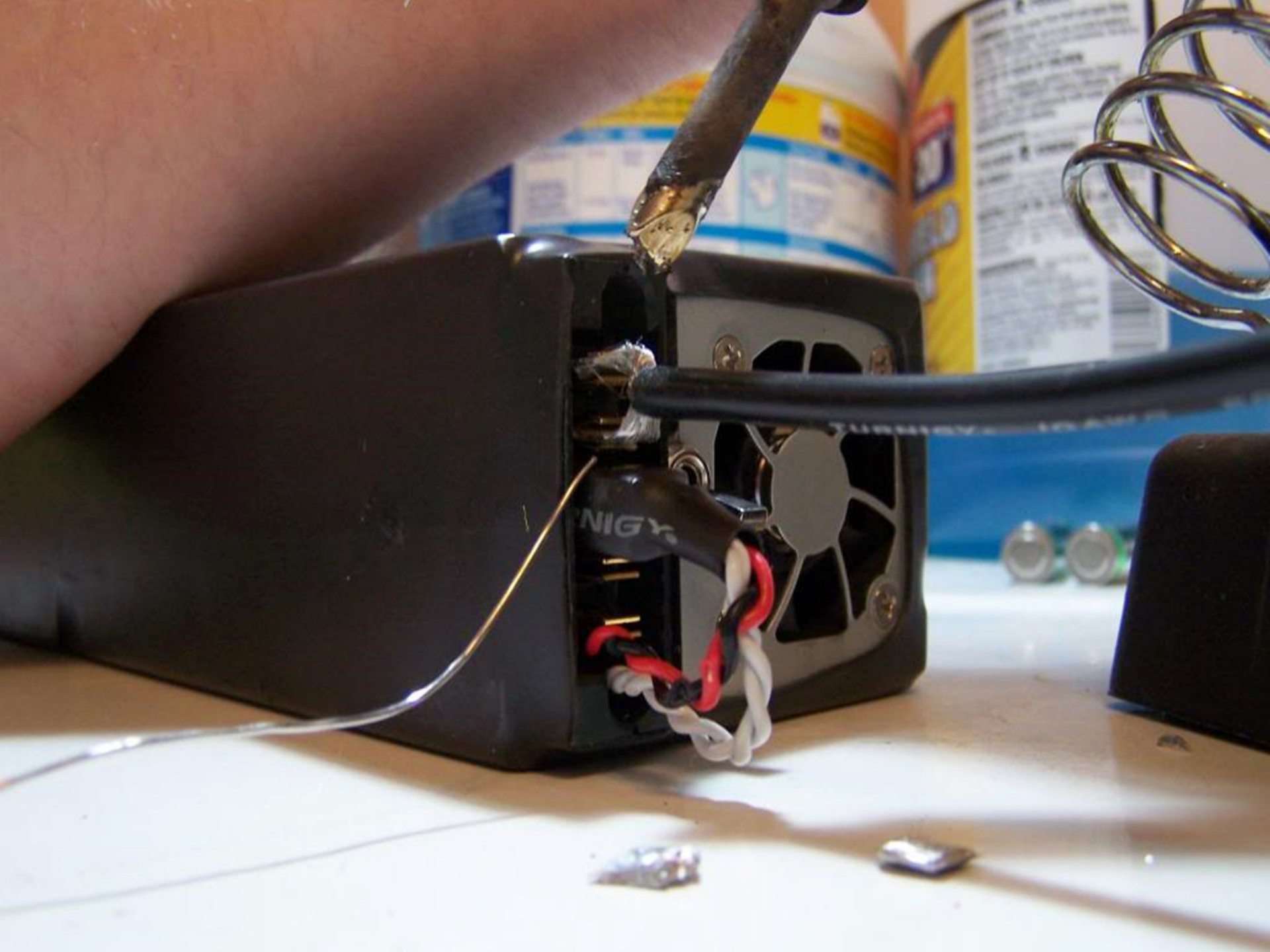












Use a 1k ohm pot between pins 3 and 9(+12 return sense) to increase voltage above 12v.

Use a 1k ohm pot between pins 5 and 9 to decrease voltage below 12v.

Use a single 2k-10k pot with the outer legs tied to pins 3 and 5 and the center wiper to pin 9 for voltage adjustment above and below 12v.

Voltage is adjustable up to 13.8v on this supply. OVP starts at 13.82v.

If the PS shuts down at 13.8v with a load then just back down to a voltage that works for your particular situation.

Short pin 4 to ground to slow fan speed to a minimum or use pot for variable speed.

Once pin 4 is grounded, fan speed will be automatically adjusted based on load and ambient temperature.

Short pins 6,8 and 10 together to power up.

265Ω = 13.8v

290Ω = 13.7v

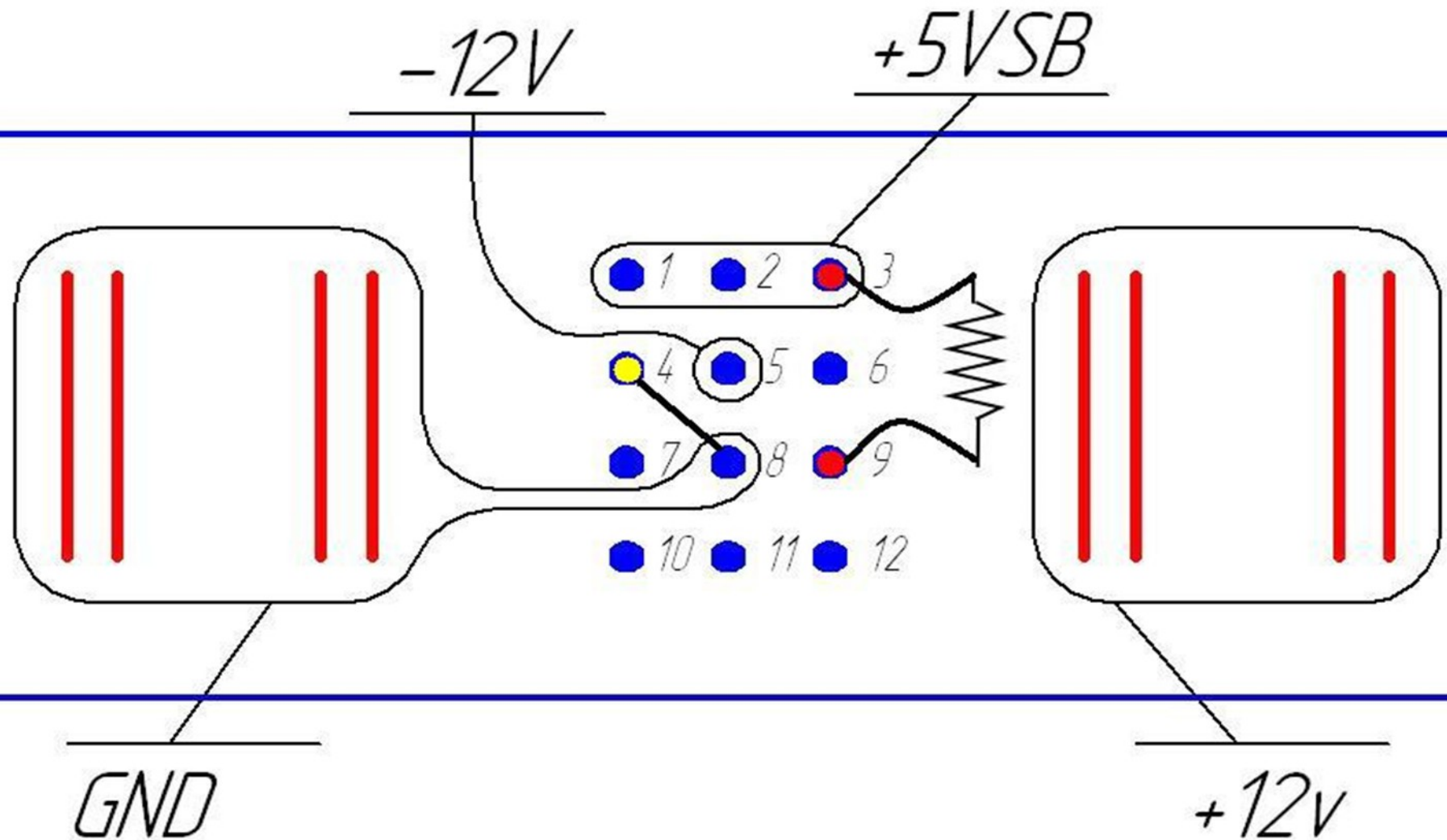
330Ω = 13.6v

370Ω = 13.5v

DPS-600PB Voltage adjustment

Use a 1k ohm potentiometer between pins 3 and 9.

- Short pin 4 to ground to slow fan speed.



Dxpedition ready supply

Voltage around the world is not universal.

110v to 230v and several voltages in between
and 50 to 60 hz

Voltages around the world found at:

<http://kropla.com/electric2.htm>

More information about this conversion can be found at the below listed web site.

<http://www.ultimaterc.com/forums/showthread.php?t=174225>

If you are still undecided about how to proceed on making the pin adapter feel free to contact me.

Rich Kennedy – N4ESS

Lakeland Amateur Radio Club

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