Strap + Resistor and Cable

[470K to 1M0]

Users Bench EARTHING Point

Grounding Clip

Touch Probe to Strap
To check Continuity

Test Probe

Earth Pin

Mains Plug
Insert into Mains Socket

SW1
On/Off

R1
1K0

R3
2K2

Rs
820R

Green
LED

2
−

8

LM393

1

'PASS'

3

+

4

RV1
50K

R4 1M0

+
12V

B1

C2
1n0

Z1
6V2

C1
100nF

LED

Red

'FAULT'

R2
100K

Enclosure

'FAULT' LED will light if Strap Resistor is missing   'PASS' LED will light if LOOP continuity is OK.

SetUp: Place a known quality strap in the loop and

adjust RV1 until the Green LED lights

Company Name		
Schematic Name		
esp1	Rev 1.1	Page # or name
	13/09/2008	