Title

Number

Revision

Size

Date: 9/25/2006 Sheet of

File: C:\Documents and Settings\...\PPT.SchDoc Drawn By:

To PIC ADC (divide it down)

SOLAR CELLS

To PIC ADC

U1

INA138 (see email)

+ RG+

- RG-

R1

0.022 1W

C1

100uF tantalum (Kemet T491 or equiv.)

GND

To PIC ADC (divide it down)

O1

HEXFET-P

IRF7406 or equiv.

RG+ REF

RG-

L1

106mH/4A

10Q030 or equiv.

C2

100uF tantalum (Kemet T491 or equiv.)

BATTERY

JW Miller 2100HT-101-H or equiv.

To PIC PWM

RG- REF

RG+

R2

470K

GND

To PIC ADC

To PIC PWM

To PIC ADC (divide it down)