



BATTERY AND SOLAR PANEL CONNECTORS

A schottky diode protects the solar panel from reverse current.  
This trivial design assumes that battery is NiMH and that capacity is at least 10 times maximum output power of solar panel. As charging a NiMH cell at maximum C/10 continuously should be safe for the battery this should ensure that battery does not get overcharged.

DC-DC STEP-UP CONVERTER

Keep IC's GND pin and the ground leads of C12 and C13 less than 0,2 inch(5 mm) apart. Also keep all connections to the LX pin as short as possible. To maximize output power and efficiency minimize output ripple voltage, use a ground plane and solder IC's GND directly to the ground plane.

OPROX QT310 CAPACITIVE TOUCH SENSOR

Ground plane around the device is encouraged for noise reasons but ground should not be coupled too close to the sense pins in order to reduce Cx load. The traces leading from sense pins should not be placed directly over a ground plane. Rather the ground plane should be relieved at least 3 times the width of the sense traces with periodic thin bridges over the gap to provide ground continuity.

25XX320 EEPROM

nRF24E1G CPU AND 2.4 GHz TRANSCIEVER

TITLE: INDUCTION HOUSE V4 WIRELESS NODE PCB

FILE: PCB1/pcb1-7.sch

REVISION: 2

PAGE 1

OF 1

DRAWN BY: BENGT SJ L N