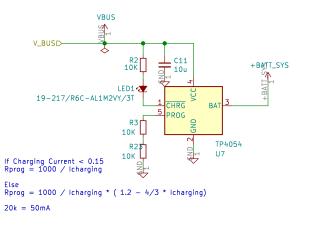
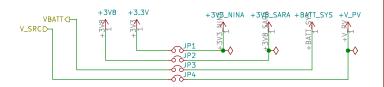


#### AEM10941 E-PEAS Energy Harvesting +V\_PV 4 C9 10u U6B +BATT\_SYS AEM10941 U6A ×22 ×23 SET\_OVCH SET\_CHRDY AEM10941 STATUS[0] STATUS[1] STATUS[2] 21 LDO\_EN 20 × 19 × ×24 SET\_OVDIS PRIM 18 ENLV 25 SRC BATT VBUCK 12 ENHV BAL VBUCK 8 SELMPP[0] LVOUT 7 SELMPP[1] FBPRIM\_U 10 +3.3V 26 FB\_COLD VBUCK\_ 4 CFG[2] HVOUT 5 CFG[1] C12 CFG[0] 10u FBPRIM\_D FB\_HV KXOB25-02X8F -> Vmpp/Voc = 80% AM-5610 -> Vmpp/Voc ~? 85% **SWBOOST** L1 \$ SWBUCK SP3-37 -> Vmpp/Voc ~ 75% 10u **BUFSRC** 10u VBUCK EN LDO = 3.67VBUCK OverCharge = 4.12V OverDisch = 3.60V С8 C10 10u LDO Output = 3.3V

## BATTERY CHARGER



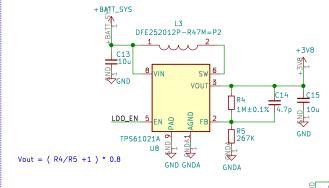
# POWER SELECTOR AND CURRENT MEASUREMENT



Use jumper to measure Board current.

Remove Jumper, turn NINA off making SARA Pins available over the Arduino Header, therefore can be used to interface with another MCU or with m-center.

## BOOST DC-DC CONVERTER



GND GNDA

Leonardo Bispo

#### More Electronics

Sheet: /POWER MGT/ File: AEM10941.sch

### Title:

Size: A4	Date: 2020-04-22	Rev: 0.1.0
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