MPPT

MPPT.sch

Sheet: /
File: easat2.sch

Title:

Size: A4	Date:	**Rev:**
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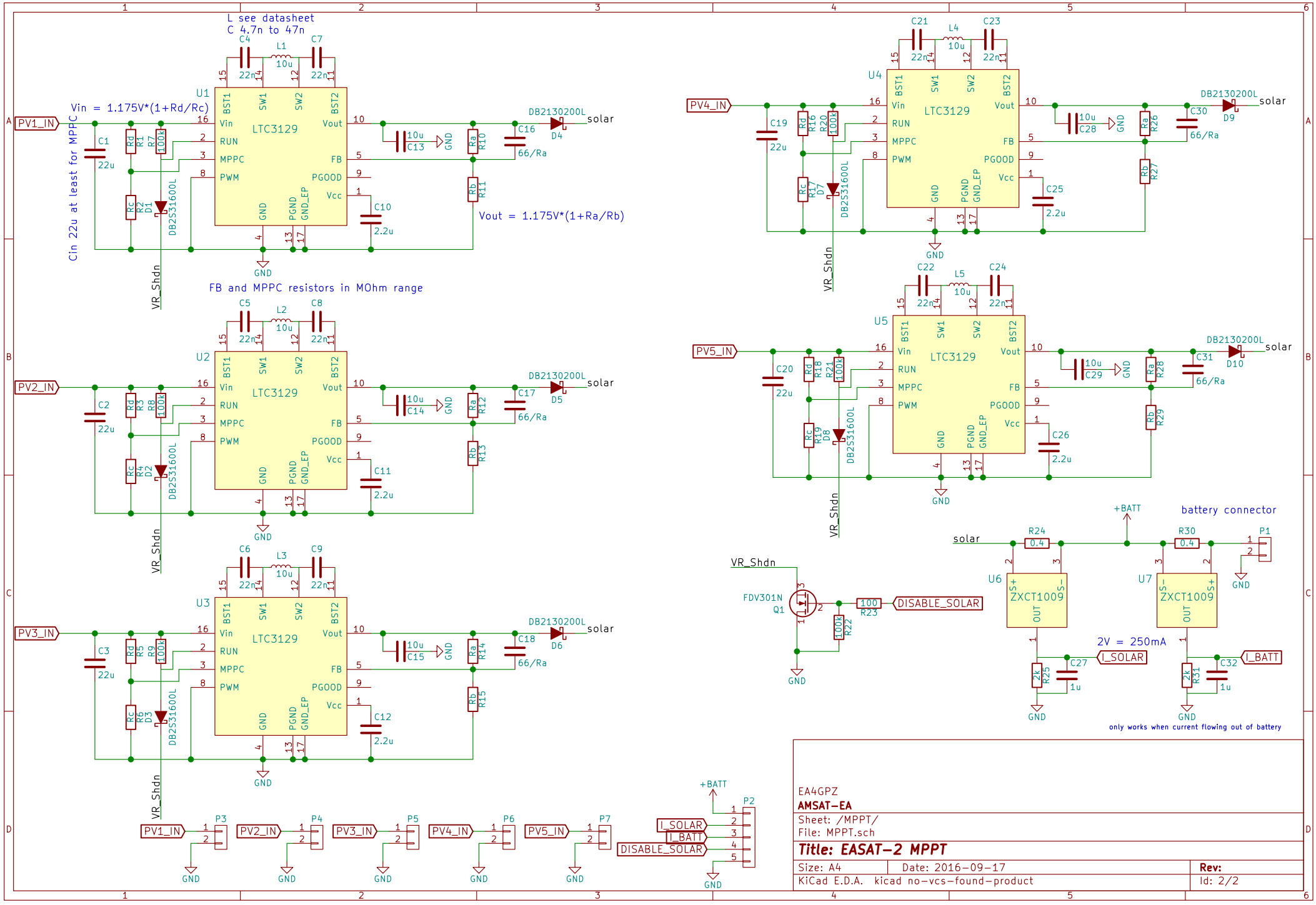
L see datasheet
C 4.7n to 47n
Vin = 1.175V*(1+Rd/Rc)
Cin 22u at least for MPPC
Vout = 1.175V*(1+Ra/Rb)
FB and MPPC resistors in MOhm range
LTC3129
DB2130200L
solar
VR_Shdn
GND
PV1_IN
PV2_IN
PV3_IN
PV4_IN
PV5_IN
FDV301N
Q1
DISABLE_SOLAR
+BATT
battery connector
ZXCT1009
2V = 250mA
I_SOLAR
I_BATT
only works when current flowing out of battery
EA4GPZ
AMSAT-EA
Sheet: /MPPT/
File: MPPT.sch
Title: EASAT-2 MPPT
Size: A4
Date: 2016-09-17
Rev:
KiCad E.D.A. kicad no-vcs-found-product
Id: 2/2