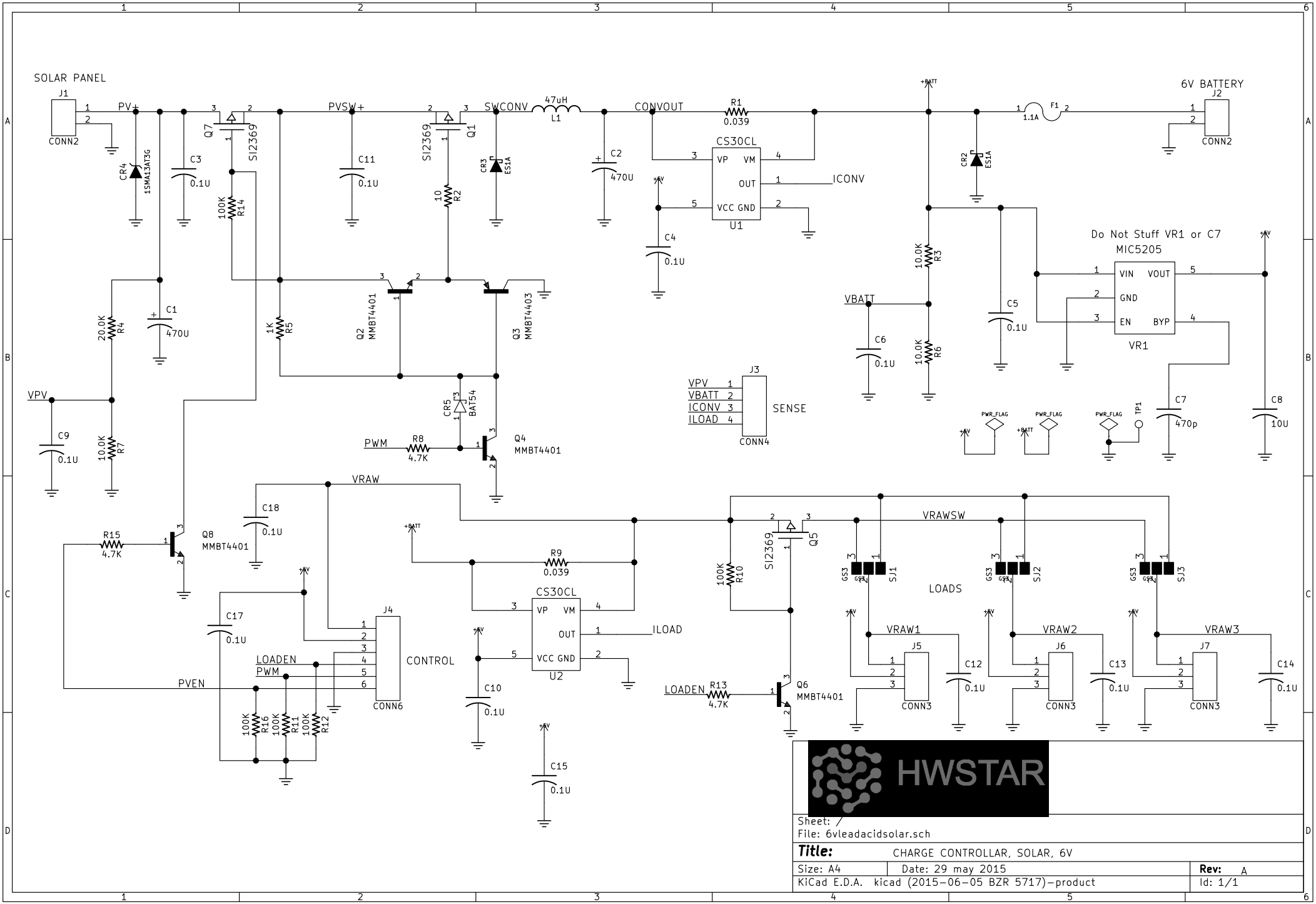
SOLAR PANEL
J1
CONN2
PV+
CR4
15MA13AT3G
C3
0.1U
Q7
SI2369
100K
R14
PVSW+
C11
0.1U
SI2369
Q1
10
R2
CR3
ES1A
SWCONV
47uH
L1
C2
470U
CONVOUT
R1
0.039
CS30CL
VP
VM
OUT
VCC GND
U1
ICONV
C4
0.1U
+5V
+BATT
CR2
ES1A
F1
1.1A
6V BATTERY
J2
CONN2
10.0K
R3
VBATT
C6
0.1U
10.0K
R6
C5
0.1U
Do Not Stuff VR1 or C7
MIC5205
VIN
VOUT
GND
EN
BYP
VR1
C7
470p
C8
10U
20.0K
R4
C1
470U
1K
R5
Q2
MMBT4401
Q3
MMBT4403
VPV
C9
0.1U
10.0K
R7
CR5
BAT54
PWM
R8
4.7K
Q4
MMBT4401
J3
VPV
VBATT
ICONV
ILOAD
SENSE
CONN4
PWR_FLAG
TP1
VRAW
C18
0.1U
R15
4.7K
Q8
MMBT4401
R9
0.039
CS30CL
VP
VM
OUT
VCC GND
U2
ILOAD
C10
0.1U
C15
0.1U
C17
0.1U
J4
CONTROL
CONN6
LOADEN
PWM
PVEN
100K
R16
100K
R11
100K
R12
100K
R10
SI2369
Q5
VRAWSW
GS3
SJ1
SJ2
SJ3
LOADS
VRAW1
VRAW2
VRAW3
J5
J6
J7
CONN3
C12
0.1U
C13
0.1U
C14
0.1U
LOADEN
R13
4.7K
Q6
MMBT4401
HWSTAR
Sheet: /
File: 6vleadacidsolar.sch
Title: CHARGE CONTROLLAR, SOLAR, 6V
Size: A4
Date: 29 may 2015
Rev: A
KiCad E.D.A. kicad (2015-06-05 BZR 5717)-product
Id: 1/1