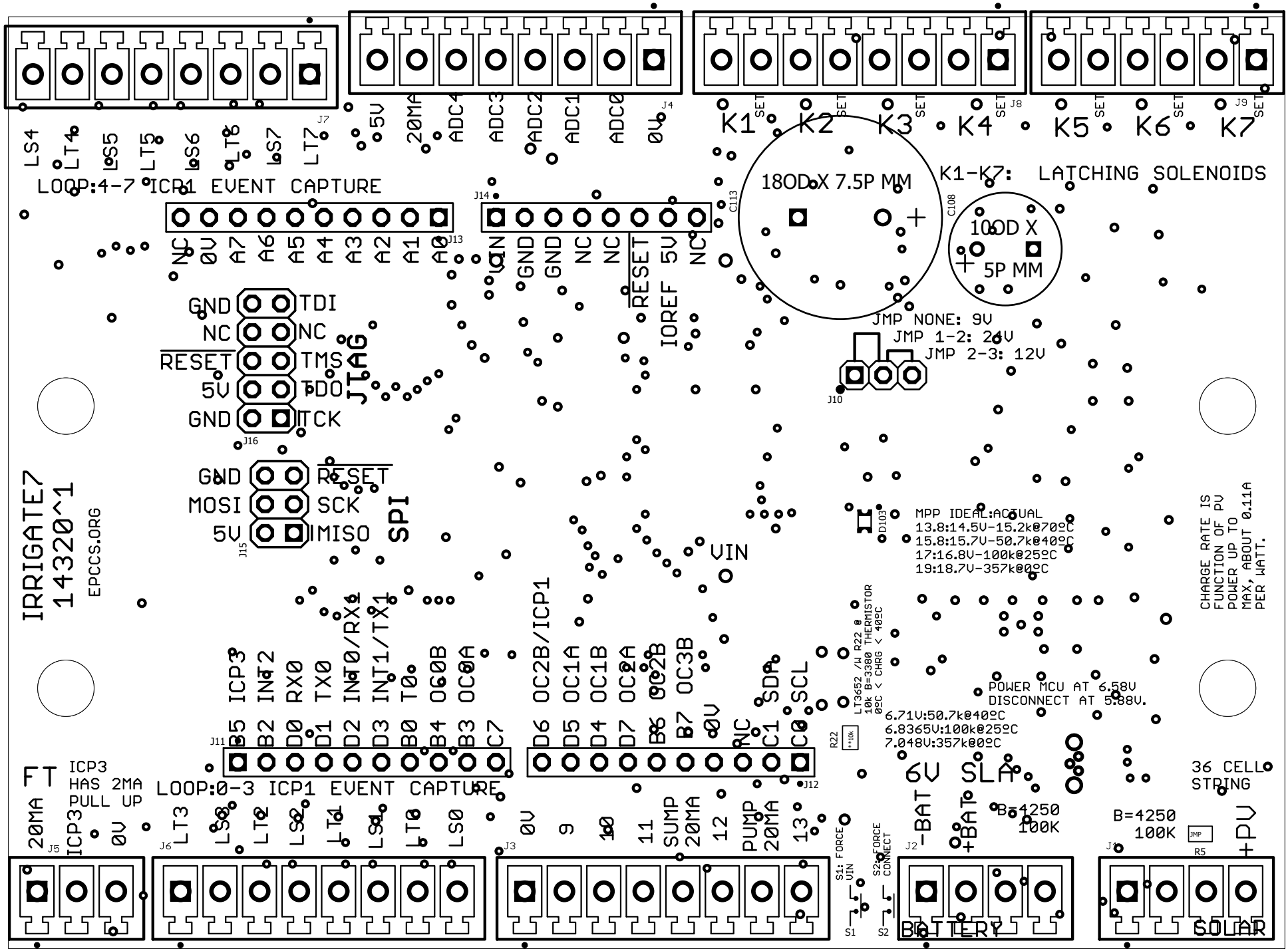
IRRIGATE7
14320^1
EPCCS.ORG
LOOP:4-7 ICP1 EVENT CAPTURE
LOOP:0-3 ICP1 EVENT CAPTURE
K1 K2 K3 K4 K5 K6 K7
K1-K7: LATCHING SOLENOIDS
18OD X 7.5P MM
10OD X 5P MM
JMP NONE: 9V
JMP 1-2: 24V
JMP 2-3: 12V
JTAG
SPI
VIN
MPP IDEAL:ACTUAL
13.8:14.5V-15.2k@70ºC
15.8:15.7V-50.7k@40ºC
17:16.8V-100k@25ºC
19:18.7V-357k@0ºC
CHARGE RATE IS FUNCTION OF PV POWER UP TO MAX, ABOUT 0.11A PER WATT.
LT3652 /W R22 @ 10k B=3380 THERMISTOR 0ºC < CHARG < 40ºC
POWER MCU AT 6.58V
DISCONNECT AT 5.88V.
6.71V:50.7k@40ºC
6.8365V:100k@25ºC
7.048V:357k@0ºC
6V SLA
36 CELL STRING
B=4250 100K
ICP3 HAS 2MA PULL UP
BATTERY
SOLAR
S1: FORCE VIN
S2: FORCE CONNECT