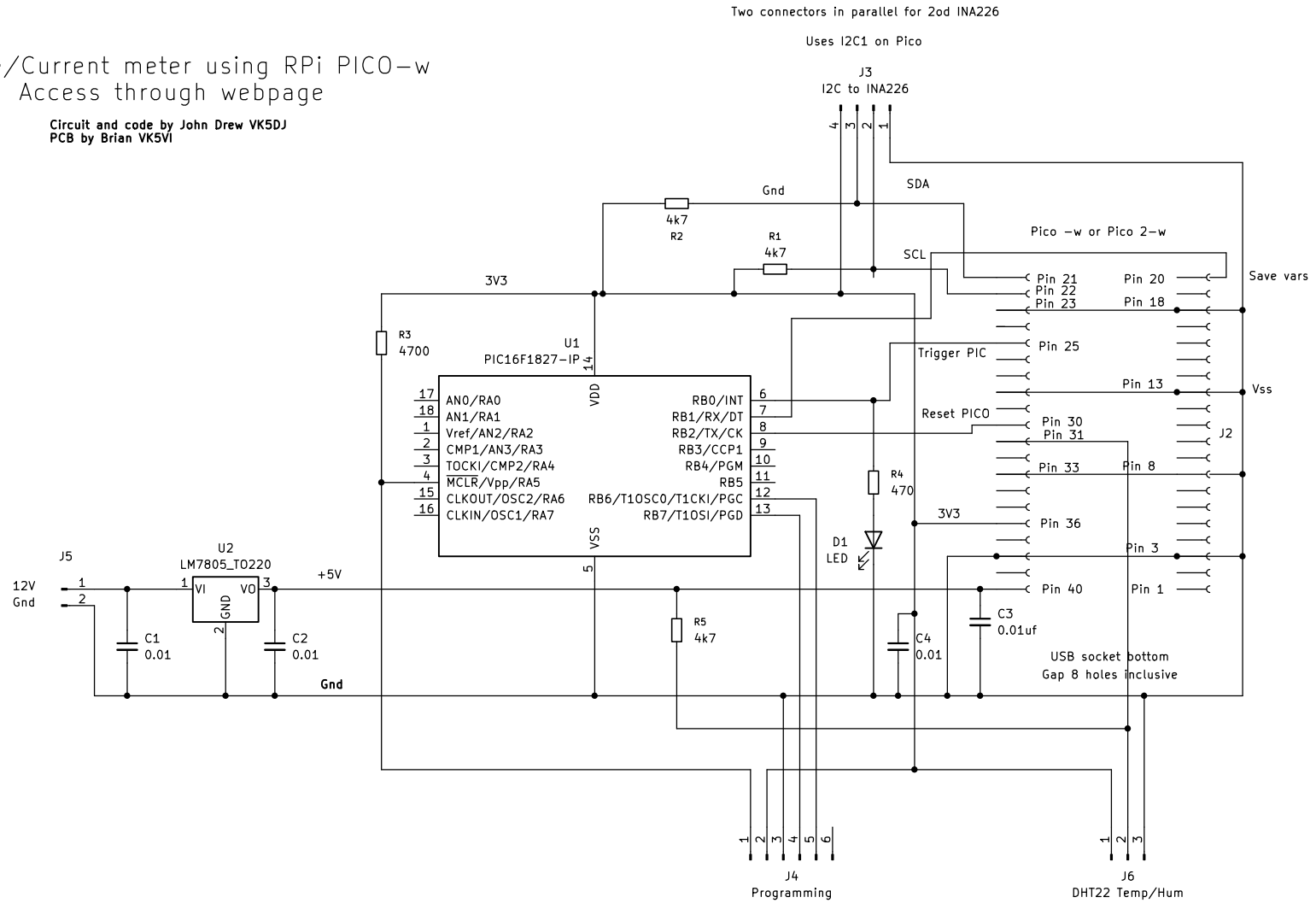
Voltage/Current meter using RPi PICO−w
Access through webpage

Circuit and code by John Drew VK5DJ
PCB by Brian VK5VI



VK5DJ Volts and Amps remote readout for solar sites
Download Webmite software from :https://geoffg.net/webmite.html
Read the Webmite manual for how to load
Load WebmiteRP2040 or 2350 V6 for PICO−w or PICO2−w
Load sergada.bas using tftp −i <IP addr> put sergada.bas
Further information https://vk5dj.com/remote_pwr.html

Load INA226 uses address H40
Solar INA226 uses address H41

Programming socket: 1 = MCLR, 2 = Vdd, 3 = Vss, 4 = PGD, 5 = PGC, 6 = NC
I2C socket: 1 = gnd, 2 = SCL, 3 = SDA, 4= Vcc
Power connector: 1= Vdd +12V, 2 = Gnd
PICO−W: 40 = 5V, (3,8,13,18,23,28,38)= gnd, 25 = LED detect, 20 = Save,
30 = RST, 36 = 3V3

Sheet: /
File: Voltage−current vk5rmg.kicad_sch

Title: VK5DJ Volt/Amps monitor circuit for solar sites

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KiCad E.D.A. 10.0.1	PCB design Brian VK5VI	Id: 1/1