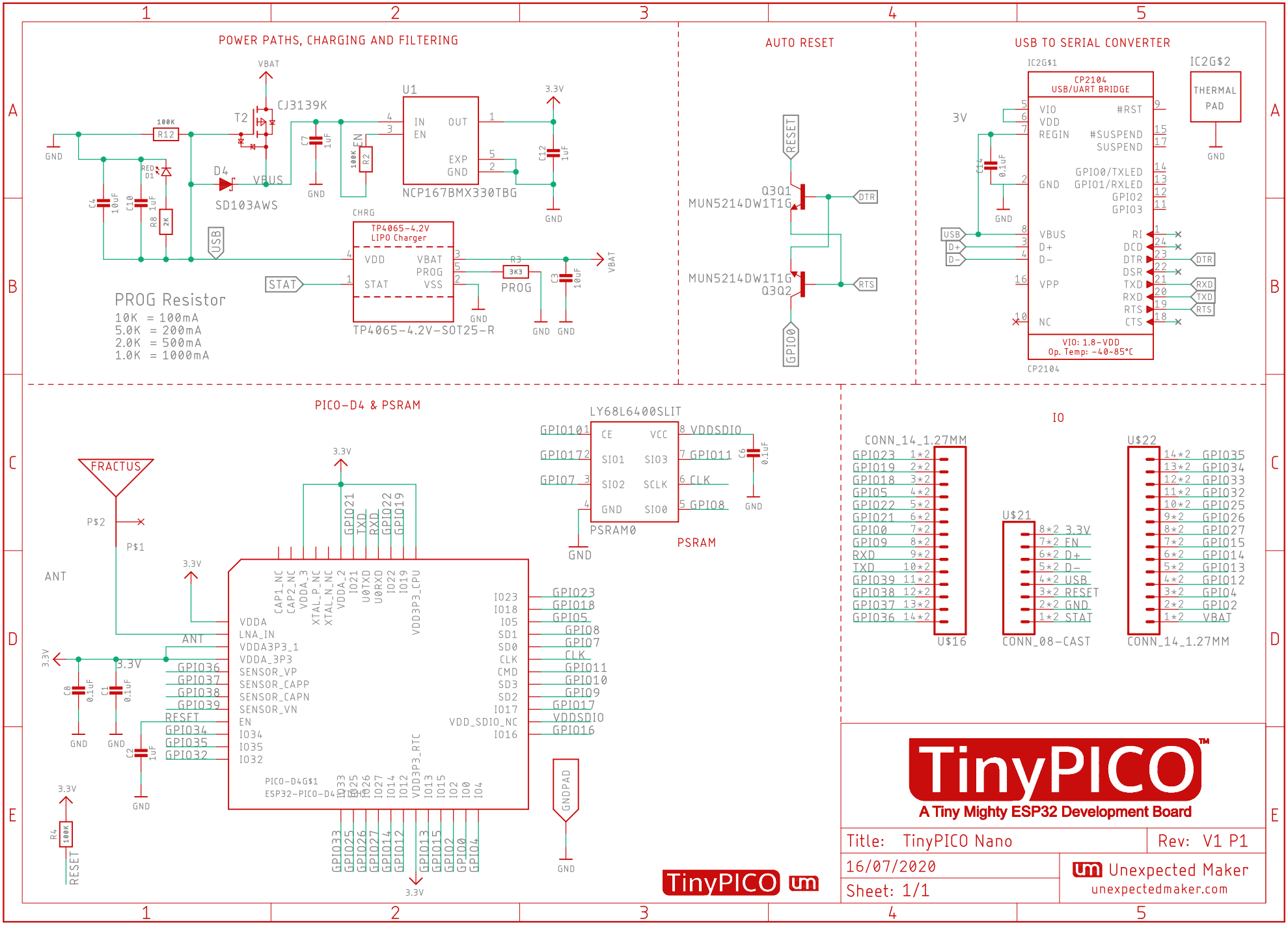
POWER PATHS, CHARGING AND FILTERING
VBAT
CJ3139K
T2
100K
R12
GND
RED D1
D4
SD103AWS
VBUS
C4 10uF
C10 1uF
R8 2K
USB
C7 1uF
100K R2
EN
U1
IN
EN
OUT
EXP
GND
NCP167BMX330TBG
3.3V
C12 1uF
CHRG
TP4065-4.2V LIPO Charger
VDD
STAT
VBAT
PROG
VSS
TP4065-4.2V-SOT25-R
R3 3K3
PROG
C3 10uF
STAT
PROG Resistor
10K = 100mA
5.0K = 200mA
2.0K = 500mA
1.0K = 1000mA
AUTO RESET
RESET
Q3Q1
MUN5214DW1T1G
DTR
MUN5214DW1T1G
Q3Q2
RTS
GPIO0
USB TO SERIAL CONVERTER
IC2G$1
CP2104 USB/UART BRIDGE
VIO
VDD
REGIN
GND
VBUS
D+
D-
VPP
NC
#RST
#SUSPEND
SUSPEND
GPIO0/TXLED
GPIO1/RXLED
GPIO2
GPIO3
RI
DCD
DTR
DSR
TXD
RXD
RTS
CTS
VIO: 1.8-VDD
Op. Temp: -40~85°C
CP2104
3V
C14 0.1uF
IC2G$2
THERMAL PAD
PICO-D4 & PSRAM
FRACTUS
P$2
P$1
ANT
3.3V
PICO-D4G$1
ESP32-PICO-D4
VDDA
LNA_IN
VDDA3P3_1
VDDA_3P3
SENSOR_VP
SENSOR_CAPP
SENSOR_CAPN
SENSOR_VN
EN
IO34
IO35
IO32
IO23
IO18
IO5
SD1
SD0
CLK
CMD
SD3
SD2
IO17
VDD_SDIO_NC
IO16
VDDA3P3_RTC
VDD3P3_CPU
GPIO36
GPIO37
GPIO38
GPIO39
RESET
GPIO34
GPIO35
GPIO32
GPIO23
GPIO18
GPIO5
GPIO8
GPIO7
CLK
GPIO11
GPIO10
GPIO9
GPIO17
VDDSDIO
GPIO16
GPIO33
GPIO25
GPIO26
GPIO27
GPIO14
GPIO12
GPIO13
GPIO15
GPIO2
GPIO0
GPIO4
C8 0.1uF
C1 0.1uF
C2 1uF
R4 100K
GNDPAD
LY68L6400SLIT
CE
SIO1
SIO2
GND
VCC
SIO3
SCLK
SIO0
GPIO101
GPIO172
GPIO7
VDDSDIO
GPIO11
CLK
GPIO8
C6 0.1uF
PSRAM0
PSRAM
IO
CONN_14_1.27MM
U$16
U$21
CONN_08-CAST
U$22
CONN_14_1.27MM
GPIO23
GPIO19
GPIO18
GPIO5
GPIO22
GPIO21
GPIO0
GPIO9
RXD
TXD
GPIO39
GPIO38
GPIO37
GPIO36
3.3V
EN
D+
D-
USB
RESET
GND
STAT
GPIO35
GPIO34
GPIO33
GPIO26
GPIO25
GPIO14
GPIO13
GPIO2
GPIO4
VBAT
TinyPICO
A Tiny Mighty ESP32 Development Board
Title: TinyPICO Nano
Rev: V1 P1
16/07/2020
Sheet: 1/1
Unexpected Maker
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