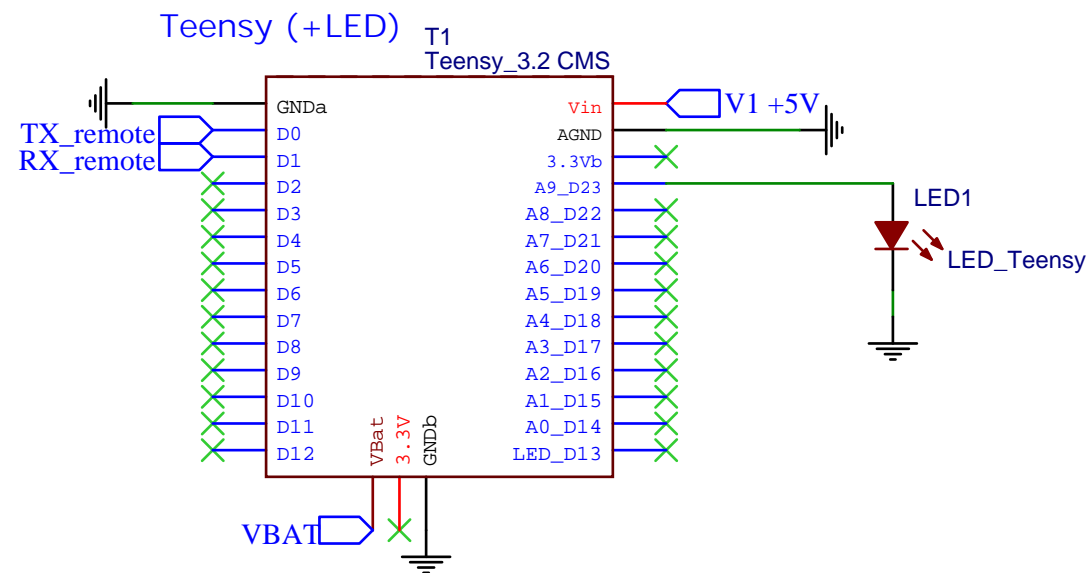


REMOTE1
Jack 4pts


V2 +5V

+5V
GND
TX
RX

RX_remote
TX_remote



The diagram illustrates a power management system for a Raspberry Pi 4. It features a DC-DC converter (Q5 AO4407A) that takes a 5V input (Vin) and outputs a 5V signal (V1 +5V). The output of the DC-DC converter is connected to a 4-pin header (POWERBUS1 Header_1x4) and a power LED (POWER1). The power LED is connected to a 5V output (V2 +5V) and a 10K resistor (R4). The circuit also includes two voltage regulators (U4 and U5, AP2204RA-5.0TRG1) that take a 5V input (V1 +5V) and output a 5V signal (V2 +5V). The output of the voltage regulators is connected to a 5V output (V2 +5V) and a 10K resistor (R4).

| | | |
|---|--|------------|
| TITLE: TeenAstro SuperRedux - Main Board | | REV: 2.5 |
|  | Company: zUrp Astronomics | Sheet: 1/1 |
| | Date: 2020-10-16 Drawn By: lordzurp | |