

ABX relay board (tayda edition) v4.1

github.com/pepaslabs/abx-tayda

Choose resistor values to suit your preferred brightness level.

File: abx.sch
Sheet: /
Title:
Size: User Date: 17 nov 2020 Rev:
KiCad E.D.A. Id: 1/1

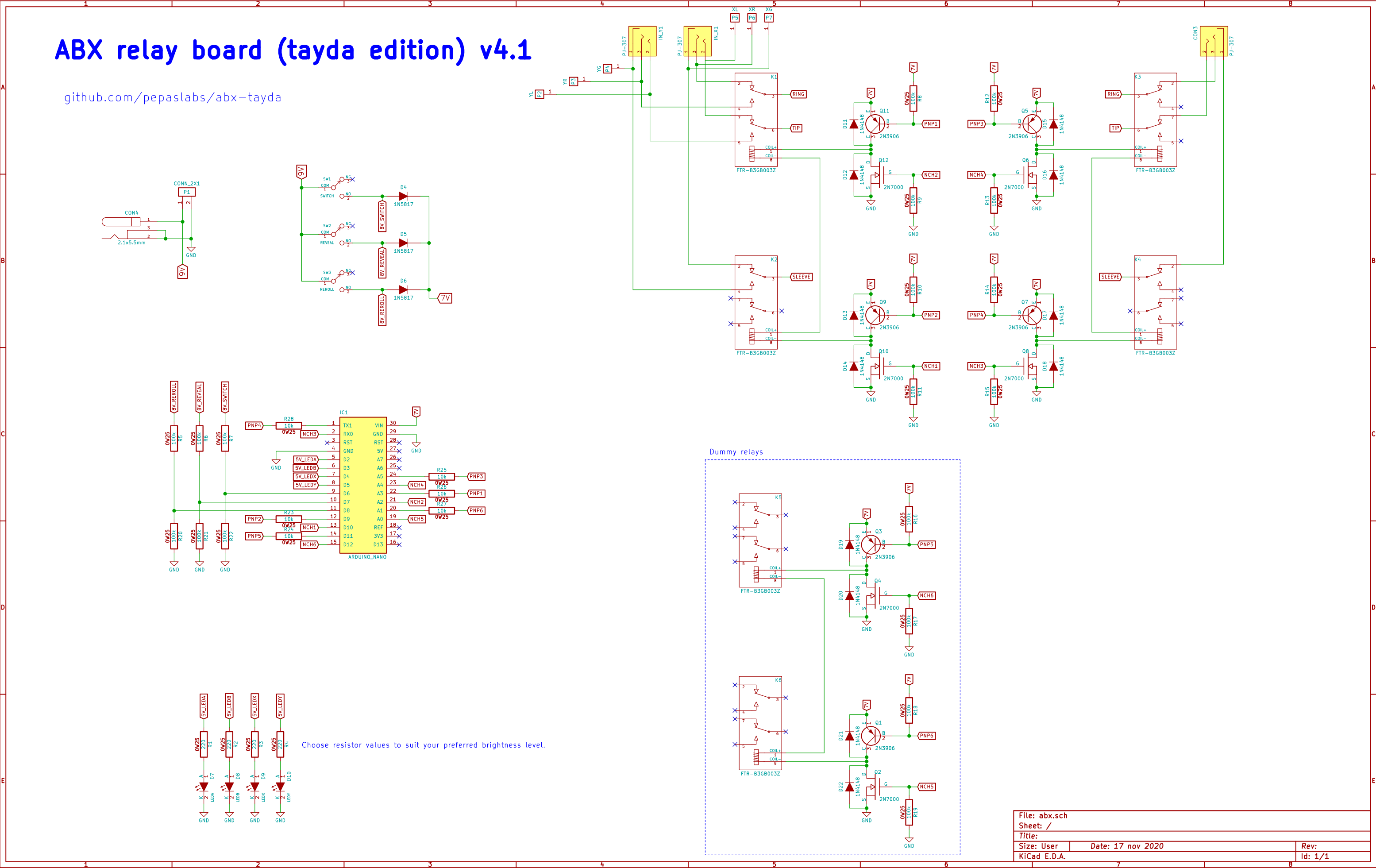
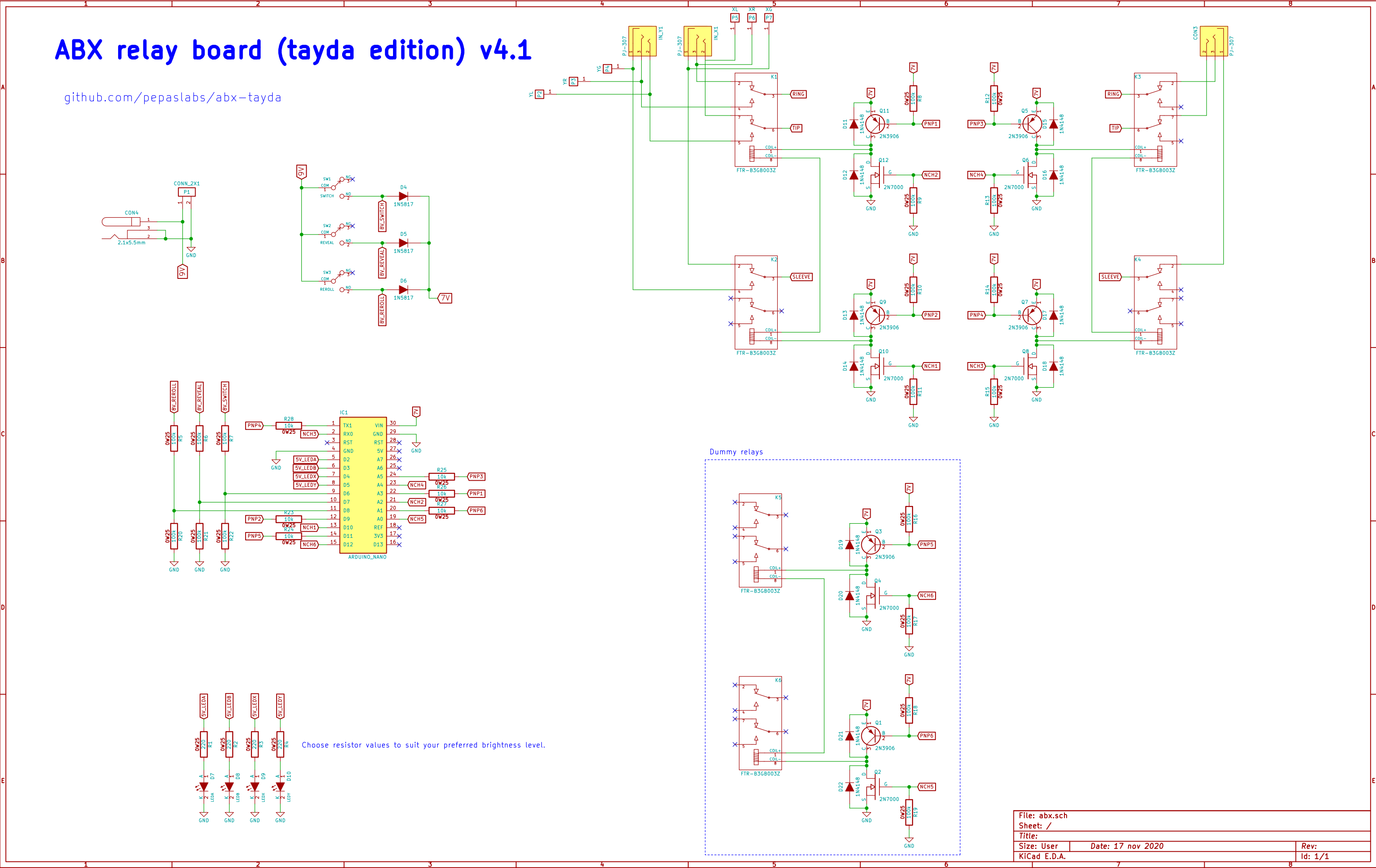
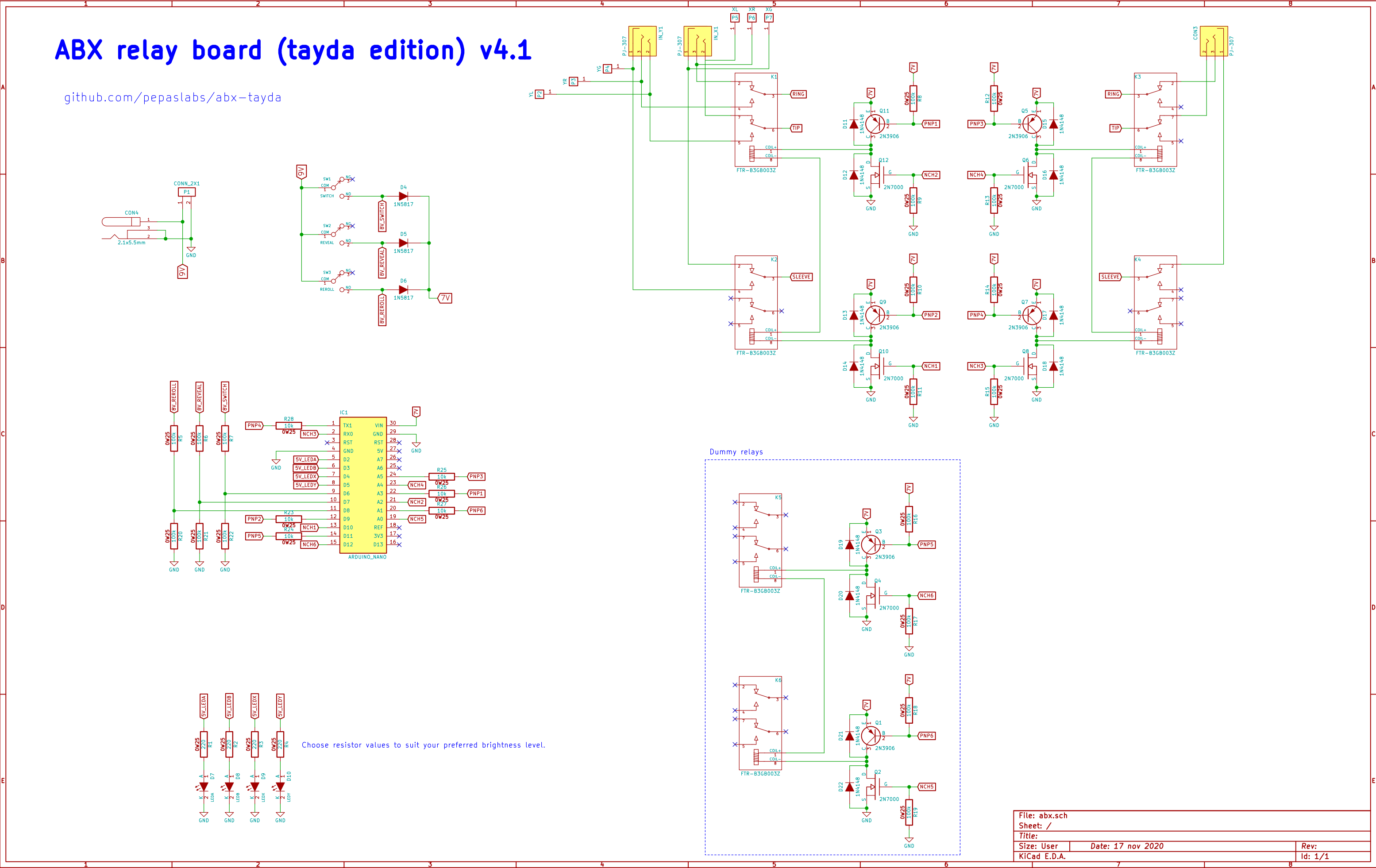
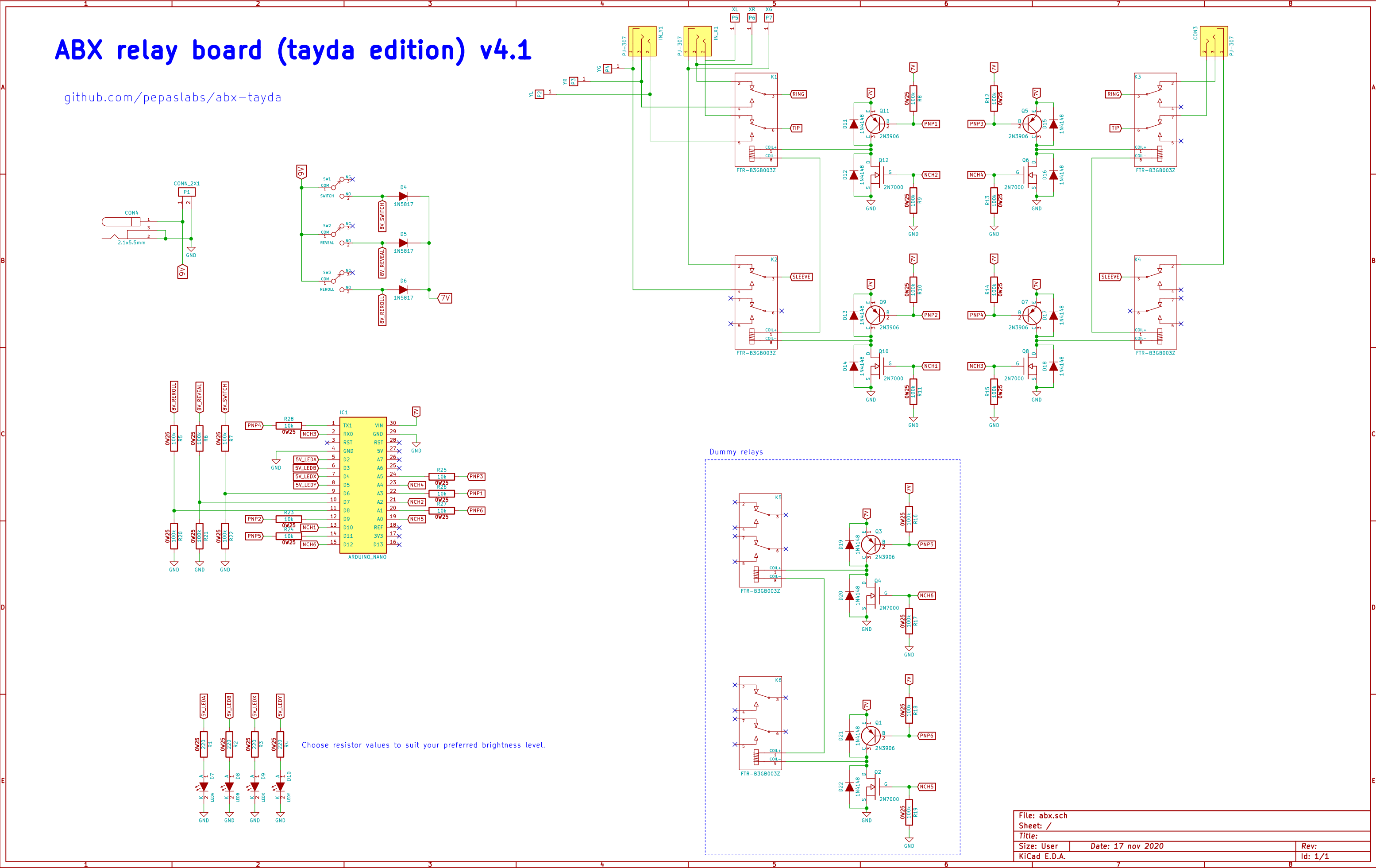
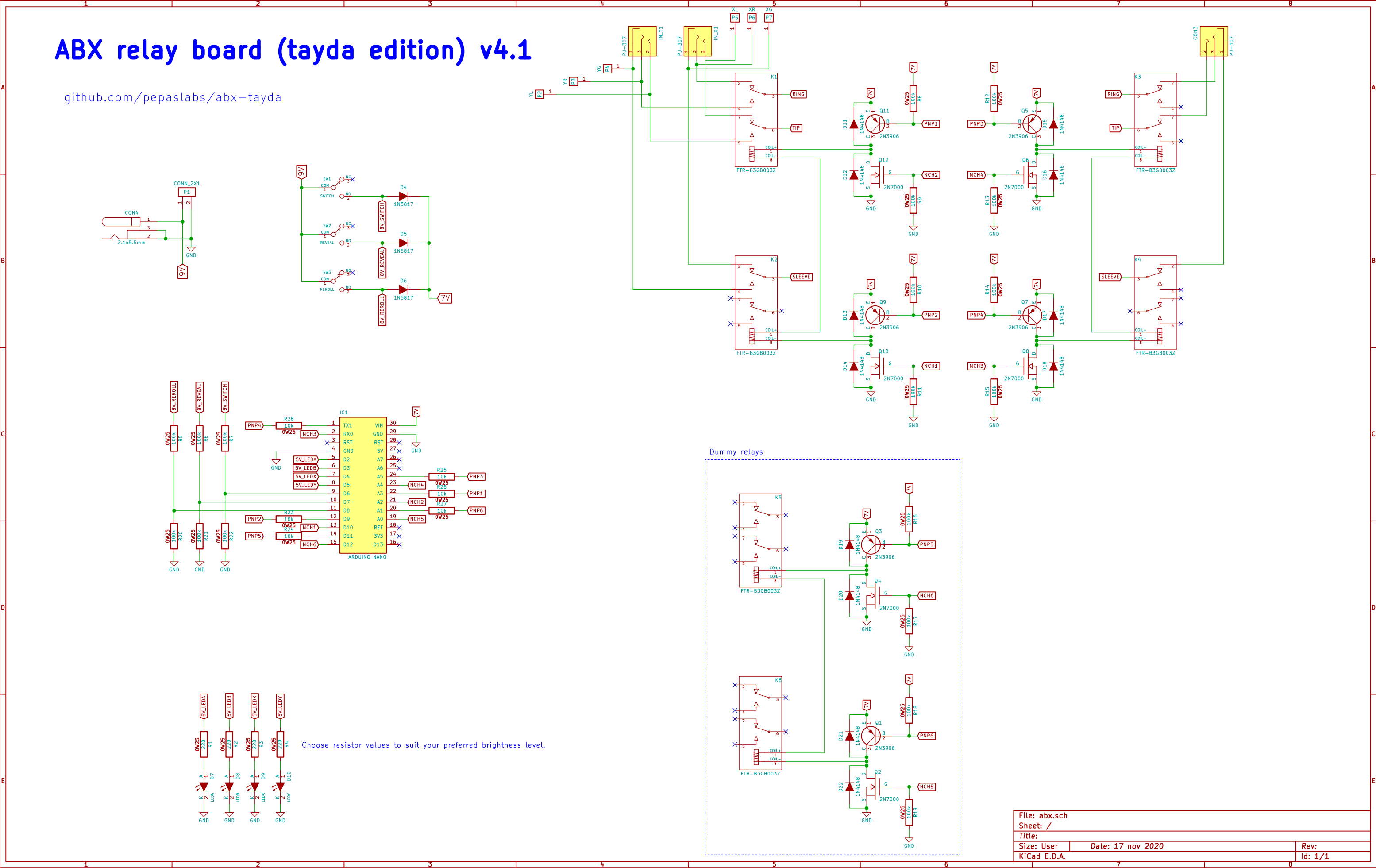
ABX relay board (tayda edition) v4.1

github.com/pepaslabs/abx-tayda

The schematic diagram illustrates the ABX relay board (tayda edition) v4.1. It features an Arduino Nano microcontroller at the center, interfaced with several input and output components. On the left, a 9V battery input section includes three switches (SW1, SW2, SW3) for controlling different functions (REVEAL, REROLL, REROLL). Below this, five 5V LEDs (5V_LEDA to 5V_LEDY) are connected to the Arduino's digital pins. The main section of the board is dedicated to controlling six relays (K1-K6). Each relay is driven by a transistor (Q1-Q12) in a push-pull configuration, with flyback diodes (D1-D12) for protection. The relays are connected to various terminals (RING, TIP, SLEEVE) and a common ground. The board also includes a 7V battery input section for additional power. A note at the bottom suggests choosing resistor values to suit the preferred brightness level for the LEDs.

Choose resistor values to suit your preferred brightness level.

File: abx.sch
Sheet: /
Title:
Size: User Date: 17 nov 2020 Rev:
KiCad E.D.A. Id: 1/1



ABX relay board (tayda edition) v4.1

github.com/pepaslabs/abx-tayda

Choose resistor values to suit your preferred brightness level.

File: abx.sch
Sheet: /
Title:
Size: User Date: 17 nov 2020 Rev:
KiCad E.D.A. Id: 1/1