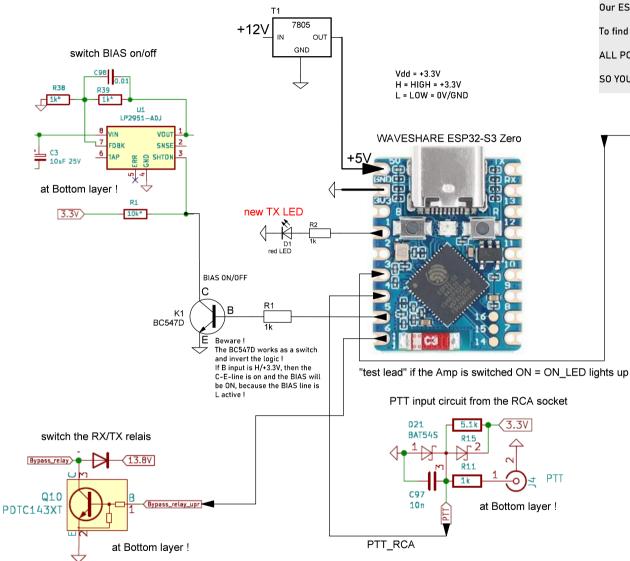
PA switch logics

Signal Transmit Receive
PTT_out (= BIAS on/off) L H
Bypass_relais_upr (=RX/TX relais) H L
PTT_RCA L H



Remark:

We don't touch the build-in SoC STM32.

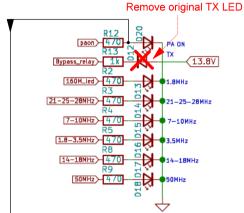
The automatic band select stay intact through the STM32!

Our ESP32 starts itself if +12V power supply connected to the amp.

To find the split points for our needed signals you need look into the original schematic of Neptune 50W PA!

ALL POINTS except the TX_LED and ON_LED are located AT THE BOTTOM LAYER!

SO YOU HAVE TO SCREW OFF THE MAINBOARD FROM HEATSINK for soldering the wires go to the ESP32!



Replacing amp control Neptune PA 50W with an ESP32 SoC (WAVESHARE ESP32-S3 Zero) especially for stable use with Hermes-Lite 2 idea by DL1BZ & made by DL1BZ in 04/2024

ONLY for use in Amateur Radio!
NOT for commercial use in any case!
WITHOUT ANY WARRANTY!
YOU DO ALL AT YOUR OWN RISK!