# FRONT PANEL BUTTONS

FRONT PANEL SOCKET
CABLE GOES TO MAINBOARD

| 9 | NC |
| 8 | LED1 GREEN |
| 7 | LED1 RED |
| 6 | LED2 RED |
| 5 | LED2 GREEN |
| 4 | DVD TRAY |
| 3 | GND |
| 2 | PWR_ON_OFF |
| 1 | GND |

DVD_TRAY_SWITCH

PWR_ON_OFF_SWITCH

ESP_BOOT

ESP_EN

1N4148WT
D4

1N4148WT
D5

| NC | 9 | 10 | EMPTY |
| LED1 RED | 7 | 8 | LED1 GREEN |
| LED2 GREEN | 5 | 6 | LED2 RED |
| GND | 3 | 4 | DVD TRAY |
| GND | 1 | 2 | PWR_ON_OFF |

SOCKET FOR FRONT PANEL IN MAINBOARD
CABLE FROM FRONT PANEL

PWR_ON    #2 PWR_ON_OFF
RST       #4 DVD_TRAY

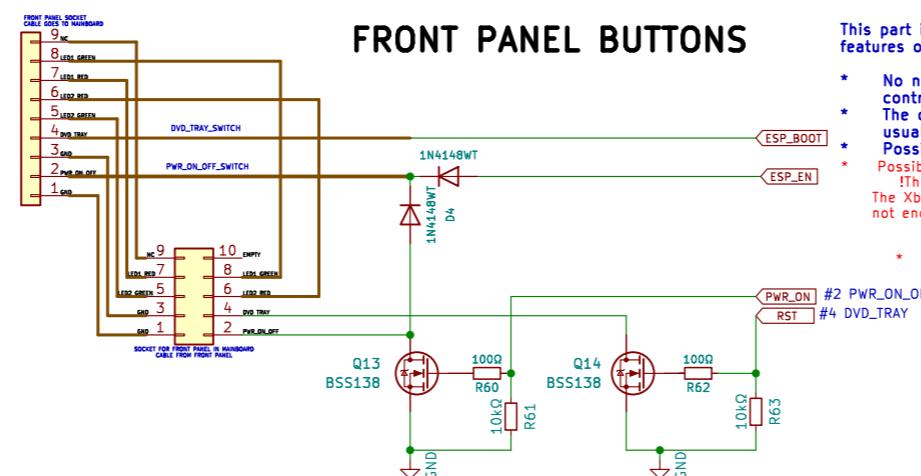Q13
BSS138

R60 100Ω
R61 10kΩ
GND

Q14
BSS138

R62 100Ω
R63 10kΩ
GND

This part is not strictly necessary, but it adds one of the best features of the mod:

* No need to access the ESP32's BOOT/EN buttons — they are controlled via the Xbox's front panel Power and Eject buttons. The original Xbox Power and Eject buttons still function as usual (e.g., eject DVD, power on/off Xbox).
* Possible to POWER_OFF Xbox using a wireless controller.
* Possible to POWER_ON Xbox from a wireless controller — !This will work only if the ESP32 remain powered all time! The Xbox's 3.3V standby rail (3V3_STBY) can provide only ~100mA, not enough for esp32. An additional small power supply inside the console is required.

* TODO... ADD EXTERNAL PWR SUPPLY PICTURES

**Title: BROGX**

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