

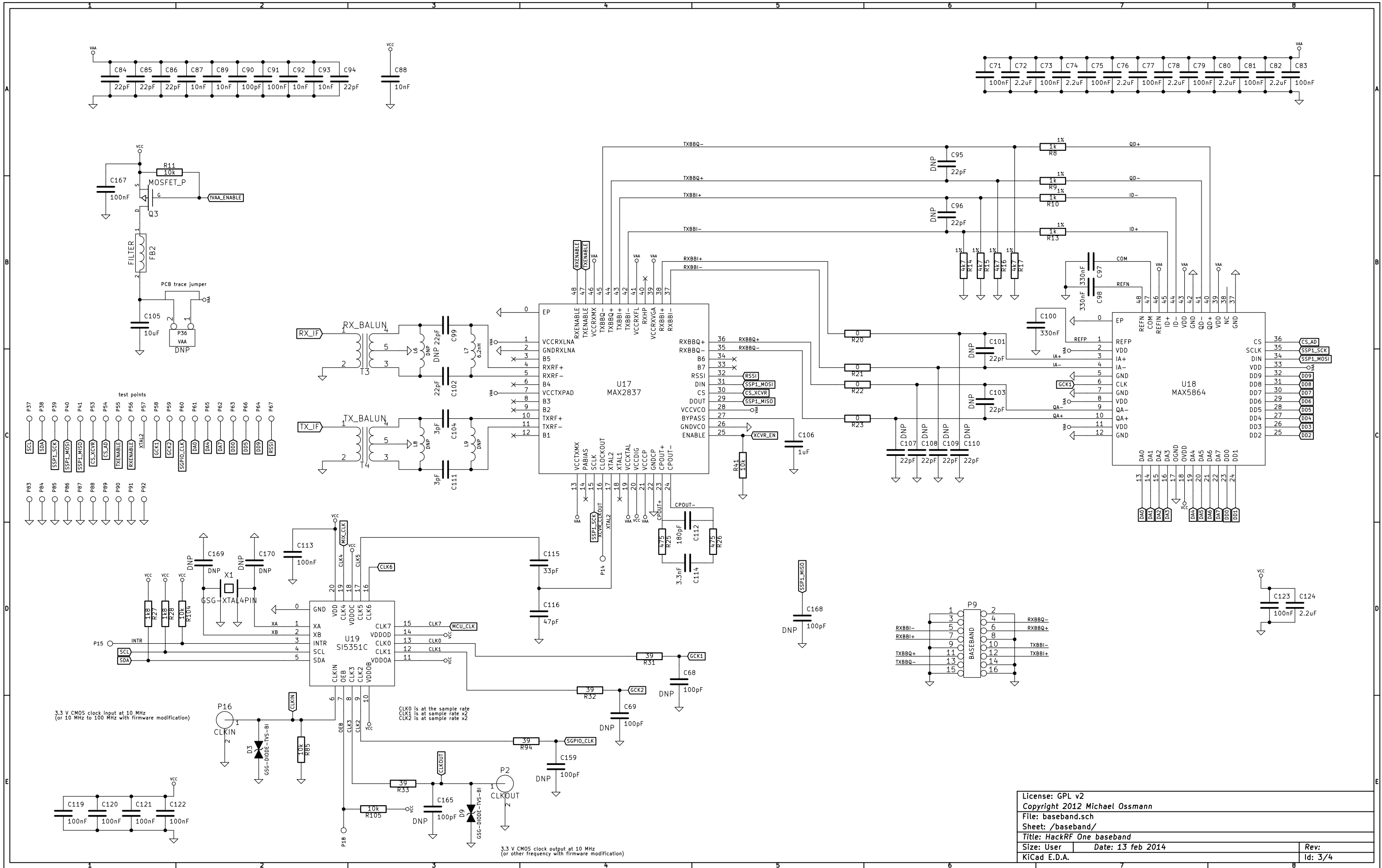
Default boot configuration is SPIFI. Press SW1 during reset to switch to USB0 (DFU mode).

Boot selection:

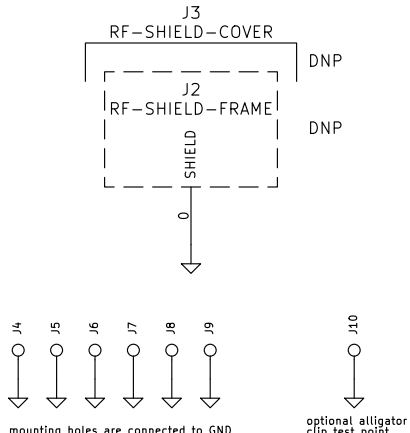
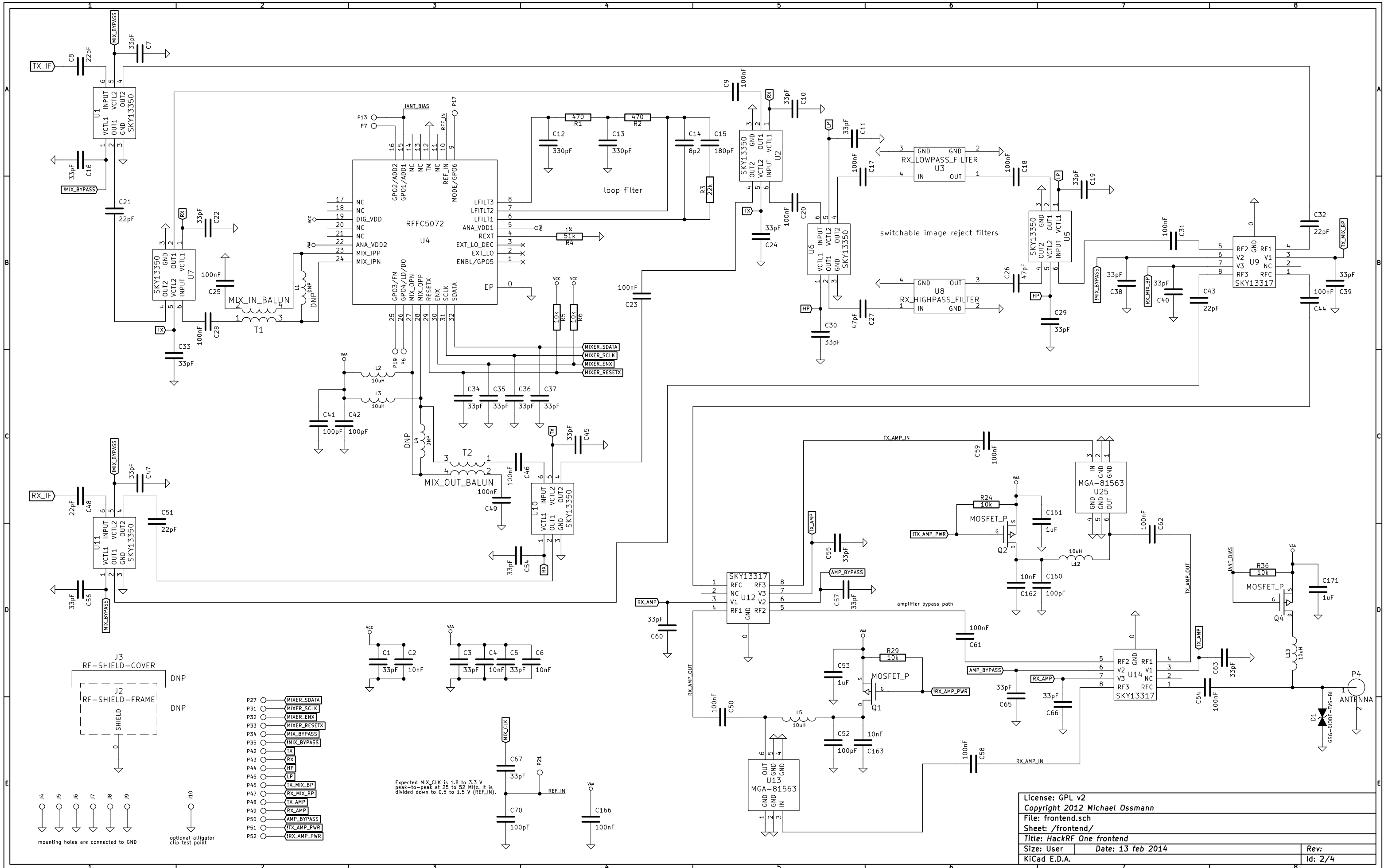
| | | | | | |
|------|--------|-----|-----|------|-----|
| P2_9 | USART0 | GND | GND | P1_2 | GND |
| P2_8 | SPIFI | GND | GND | P1_1 | VCC |
| P1_2 | USB0 | VCC | GND | P1_2 | VCC |
| P1_1 | SSP0 | GND | VCC | P1_1 | VCC |
| P1_1 | USART3 | VCC | GND | P1_1 | GND |

U23 starts up on this 12 Mhz crystal. This makes it possible to use USB0 DFU boot mode. It should be possible to switch to GP_CLKIN provided by the clock generator IC (MCLK_CLK) if desired.

Series resistors are here because of a possible overshoot/undershoot problem. They may be able to be removed safely, anyway, they probably will minimize damage in the event of SGPIO/CPLD misconfiguration.



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 File: baseband.sch
 Sheet: /baseband/
 Title: HackRF One baseband
 Size: User Date: 13 feb 2014
 KiCad E.D.A. Rev: Id: 3/4



- P27 ○ MIXER_SDATA
- P31 ○ MIXER_SCLK
- P32 ○ MIXER_ENX
- P33 ○ MIXER_RESETX
- P34 ○ MIX_BYPASS
- P35 ○ IMIX_BYPASS
- P42 ○ TX
- P43 ○ RX
- P44 ○ HP
- P45 ○ LP
- P46 ○ TX_MIX_BP
- P47 ○ RX_MIX_BP
- P48 ○ TX_AMP
- P49 ○ RX_AMP
- P50 ○ AMP_BYPASS
- P51 ○ ITX_AMP_PWR
- P52 ○ IRX_AMP_PWR

