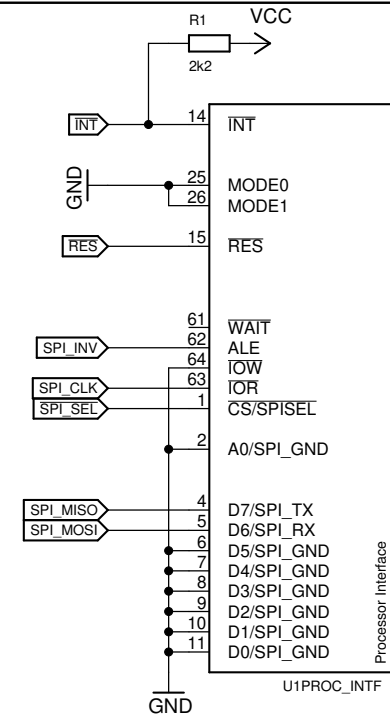
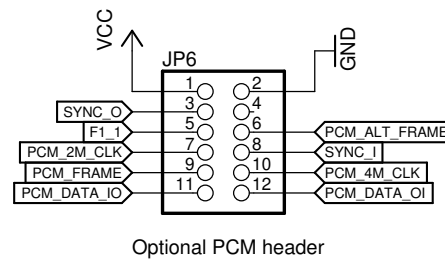


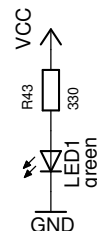
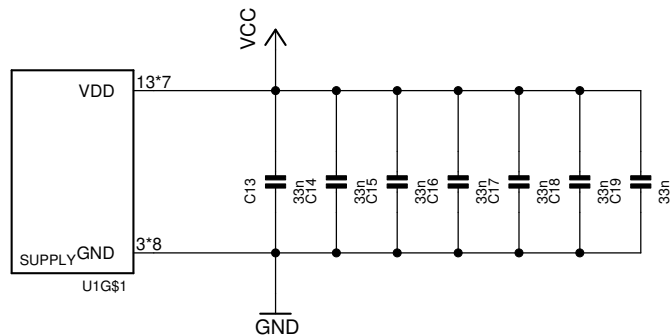
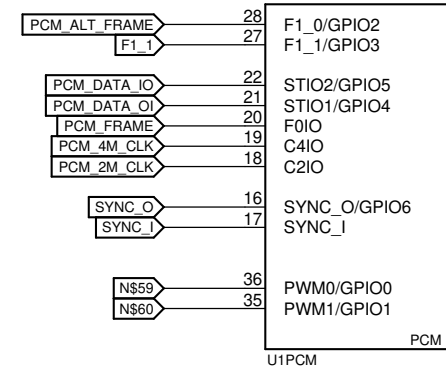
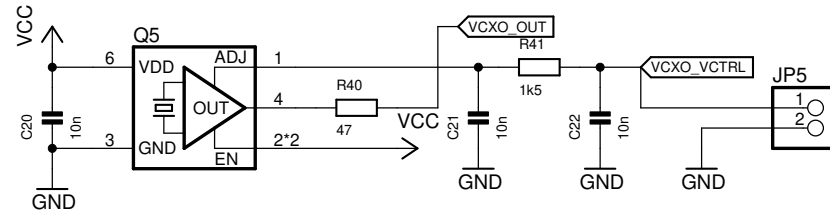
UEXT is a "standard" pinout developed by OLIMEX for UART, SPI and I2C. They have plenty of uC boards and peripherals with UEXT



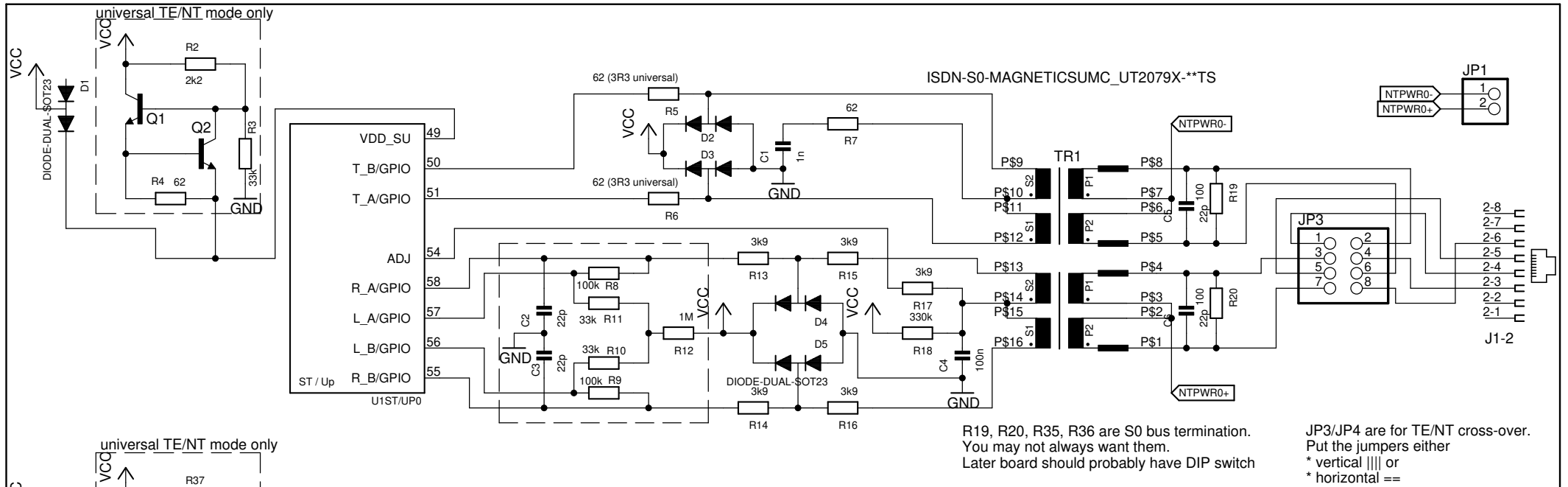
Power Supply (3V3) and SPI control provided by external uC board via UEXT header (X1)

Note there are NO PROTECTION circuits against
 * polarity reversal
 * overvoltage
 * ESD

VCXO section, inspired by icE1usb.
 JP5 to feed in external DAC or PWM for tuning.

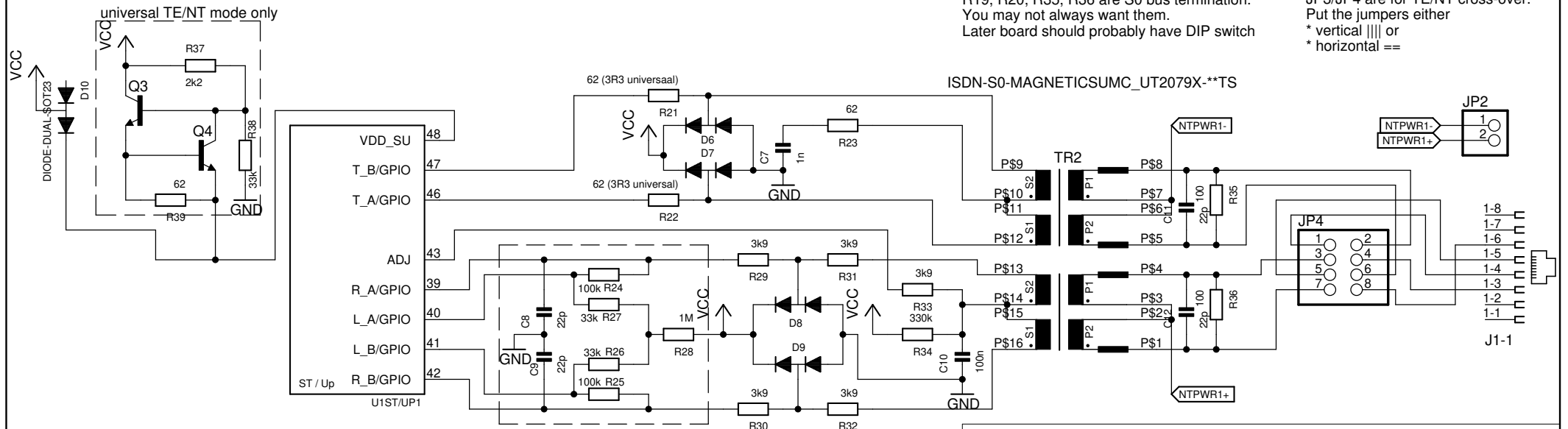


Osmocom XHFC-2SU Breakout Board (Dual ISDN BRI) (C) 2022 by Harald Welte <laforge@osmocom.org> Licensed under Creative Commons CC-BY-SA	
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R19, R20, R35, R36 are S0 bus termination.
You may not always want them.
Later board should probably have DIP switch

JP3/JP4 are for TE/NT cross-over.
Put the jumpers either
* vertical ||||| or
* horizontal ==



VDD_SU biasing:
* populate only either D1/D10 or the dashed section
* D1/D10 is for NT-only mode
* dashed box is for universal TE/NT mode
* R5, R6, R21, R22 are 3.3Ohms in universal/TE mode

JP1/JP2 can be used for phantom power supply of the S0 bus.

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Date: 19.05.22 22:10	Sheet: 2/2