The Dark Side of the 8Bit Mixtape NEO - Shenzhen Ready

Plugology - Input Jack Stereo TRS
Tip: CV1 input (not)
Ring: SD-Prog. Connect from Laptop (not yet)
-> what happens if we connect another Tape here?
Nothing is switched yet. How to detect the plug?
Something with PB0? (Multi-use Neo-Pixel pin?)

Plugology - Output Jack Stereo TRS
Tip: Line (Sound) or CV (switched)
Ring: PB5, Sync Out - Communication (not)
Line-out is switched to Volume wheel and
PAM amplifier to Speaker pins. Off when plugged in

Auxiliary on PB2 and PB4
Cos we can!!
These points are "behind" the resistor from the Poti
Directly at the pins for Multi-Use...

USB power via Main Switch
Everybody seems to want it... but don't make me solder it!C
Carefull when having the USB plug and a LiPo
The 5V goes to the same input of the Switch
Could be used for attaching a LiPo Charger unit

Wolfgang Hack
This took me a while....
you can scratch and blob
to connect the volume knob
through decoupling caps to
the output instead of line

Uwe's Sync IN
Only needed for Modular Geeks
The output of the transistor goes
to PB3 / Prog-Pin which is pulled
to 1/2 Vcc, Same as all buttons.

Uwe's Amp
Nice little chip!! 50 cents amp!
Missing footprint for wheel!!
Is it really that small?
Connector for Speaker SP+ and SP-

direct Sync IN
Can be connected as pin header
Difference to mini-Jack input is
that there is no 100nF caps
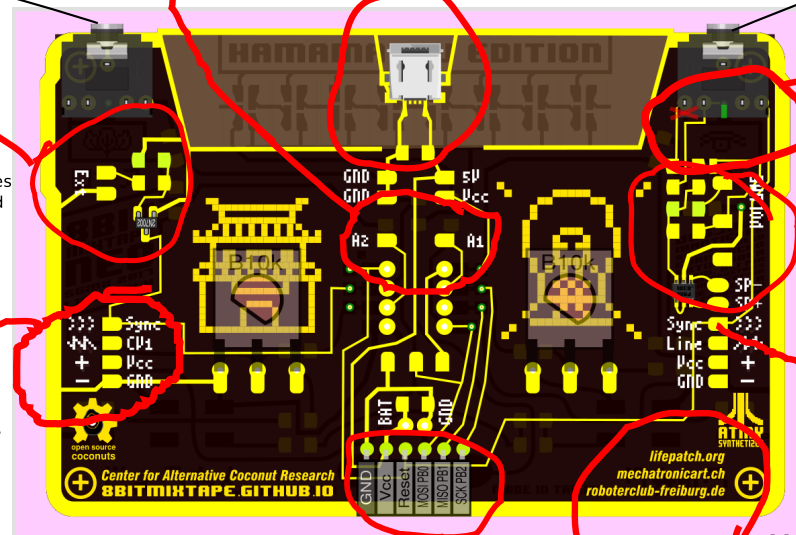(The Prog-pin is connected on the
ring of the mini-Jack T[R]S.)

Sync on Reset PB5
Wired PB5 (reset) to Sync OUT
Also goes to ring of mini-Jack T[R]S
Not tested!
You can also add a reset button here.

More Logos or Websites?

Arduino ISP
Non-Standard ISP
It's kinda the Mixtape Standard...
Easy to wire from Arduino puns 10-13.
Also gives direct access to pin 1,4,5,6,7,8
5V is switched through the push-button
for restarting the attiny -> bootloader