Klopper: DC motor as actuator (percussive controller) STM32 controller 2 x PAM8403 amp modules module 2..10V ON 0..2V : OFF modding: LED1 1 PB12 GND 40 LED2 2 PB13 GND 39 VOI - input shorted to GND - new input behind Cin ×3 PB14 3V3 38 Vpwr - Rin changed from 10k to100k JTX1 $\square_{\overline{1}}$ ×4 PB15 NRST 37 ×5 PA8 PB11 36 LED3 6 PA9 PB10 35 LED4 7 PA10 PB1 34 hit4_adc 0..2V : OFF motor 1 x8 PA11d- PB0 33 hit3_adc 9 PA12d+ PA7 32 hit2_adc 10 PA15 PA6 31 hit1_adc 11 PB3 PA5 30 Vpwr back force 1 PA4 29 PA3 28 trig4_adc pot.100k 0..2V : OFF PA2 27_trig3_adc PA1 26_trig2_adc PAO 25_trig1_adc 16 _{PB8} Jpam4 1 Vpwr 17 PB9 XoPC15 24 18 5V XoPC14 23 19 GND LdPC13 22 Vpwr back force 2 Jpam5 1 pot.100k 20 3V3 VBAT 21 VPWr 0..2V : OFF BluePill Jmot3 motor 3 motor 4 hit force 3 pot.100k hit force 2 DC/DC converter module 12V 1A input www.kulturgueter-schuppen.de File: klopfer.sch path:/ Title: Klopper: STM32 "blue pill" percussion controller for DC motor Size: A4 Date: 2017-05-11 Rev: 0.91 KiCad E.D.A. kicad 4.0.5 ld: 1/1