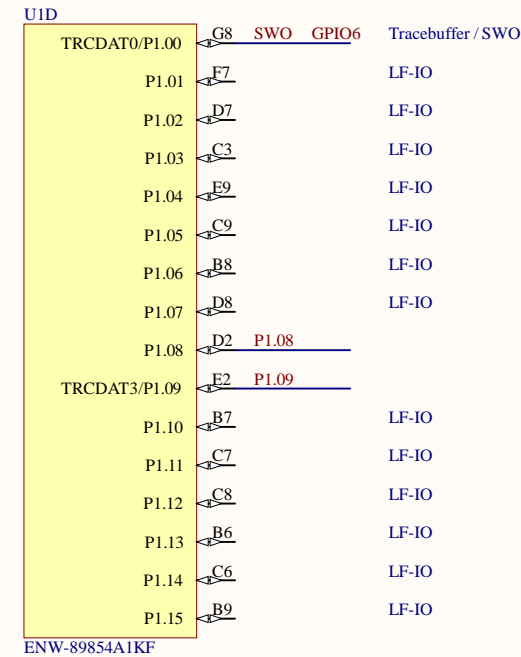
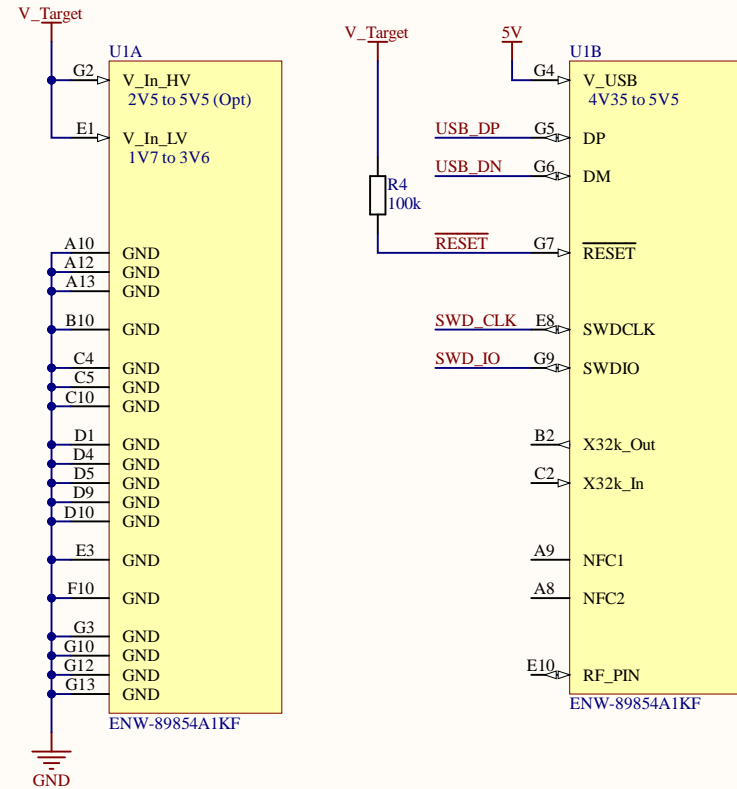


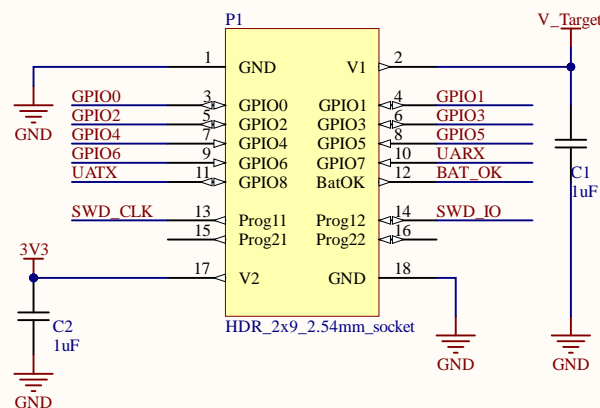
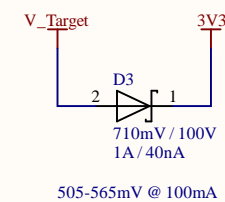
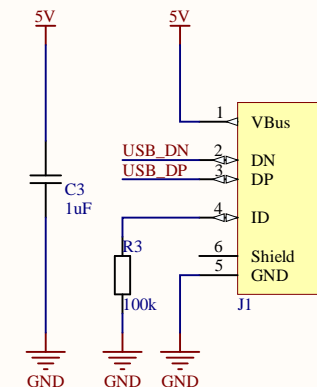
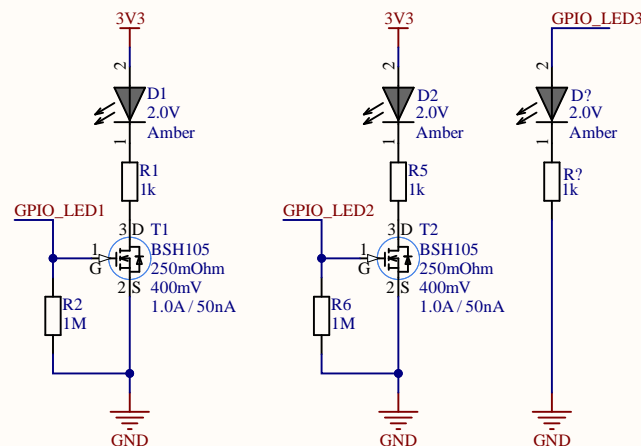
- △ Target-Features
 - over-voltage protection for V_{LV} (max 3.9V)
 - two debug LEDs with separate supply
 - one self-powered LED to "burn" energy
 - io pins not interfering with RF (nRF PS v1.6 page 578)
 - LEDs / UART similar to Dev-Kit
 - LEDs have minimal impact on pwr-budget
 - optional USB-Interface for fast data transfer (without protection)
 - misc debug-header with additional 13 IO-Pins
 - nRF uses low voltage mode (PSv1.1 page 61)
 - 3rd possible way for reset (external), beside jtag and pwr-cycle

Host-PinHeader-Variants

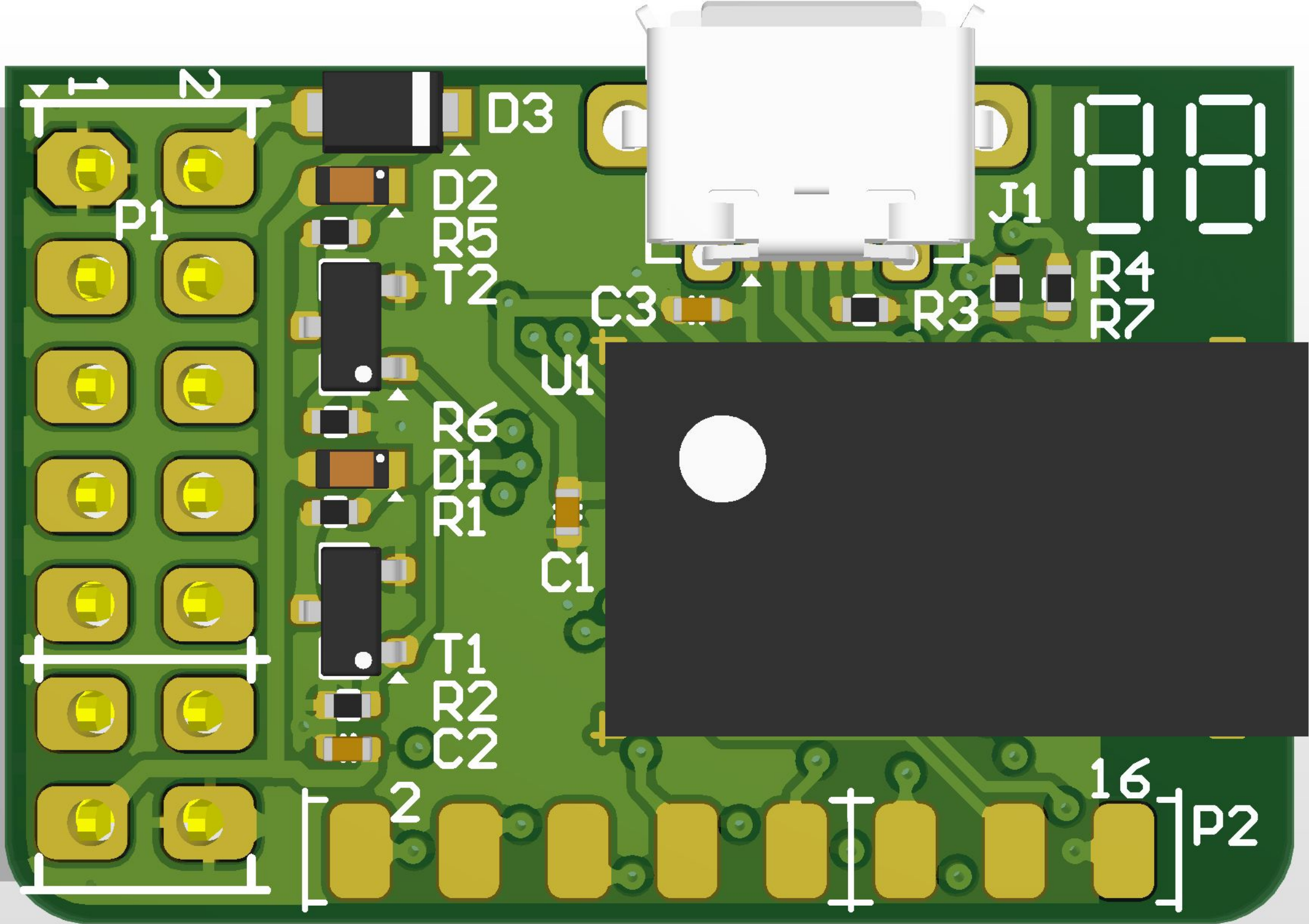
- SSQ-109-02-G-D-RA -> right angled socket (default)
- SSQ-109-02-G-D -> straight socket
- 2x9-header allows to use ribbon-cable to connect to shepherd-cage

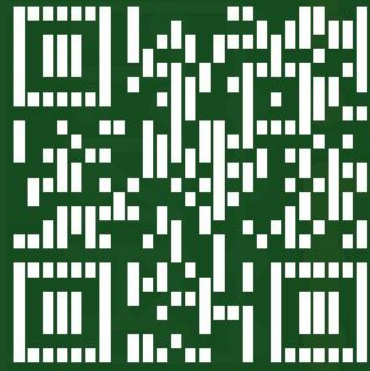


LF-IO -> Low Frequency, 10 kHz max



Title Shepherd - Target nRF52840 NES Lab / TU Dresden			
Size A3	Number		Revision
Date:	11.30.2021	Sheet of	shepherd_v2_nRF_Target.Pptx
File:	C:\Users\... \shepherd_target_nRF.SchDoc	Drawn By:	Ingmar





NES Lab
nRF52-Tgt
v2.1r0

15

LED1 -> P0.13
LED2 -> P0.14

1

