

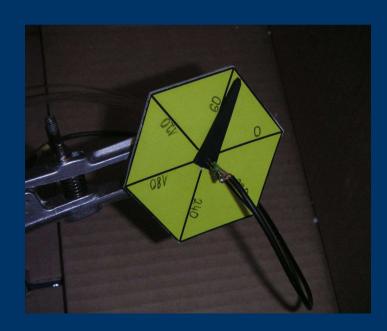
LED driver, PIN-PD preamp, more boards for test

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Activities at Prague - june

- We spend some time with LED Q-test setup
- · It works with 9CH low gain APD system
- · More Jara Zalesak in his presentation
- Ongoing 2 more LEDdrivers
- · 4 more PINdiode preamp



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3 scope probes, what we see...

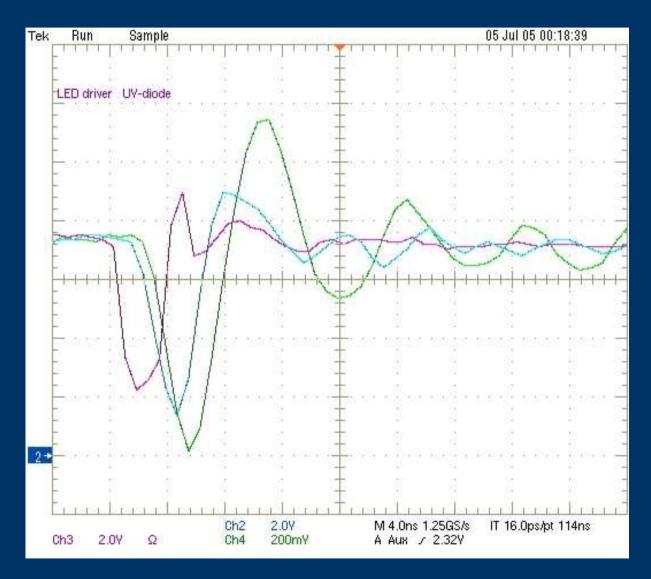
- LED driver
- Oscilloscope
 TDS5104, 1.5GHz
- Probes TEK
- · GRN 16pF 200MHz
- · Cyan 11pF 500MHz
- · VIO 1.5pF 3GHz
- Same circuit at once

P6185 passive 1kOhm 1.5pF 20x (3GHz)

P5050 passive 10MOhm 11pF 500MHz 10x

P2200 passive 10MOhm 16pF 200MHz 10x

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LED driver

- 2 Fastest probes at the output
- Short 3ns puls is shown

Zoom 1:10 1ns/div



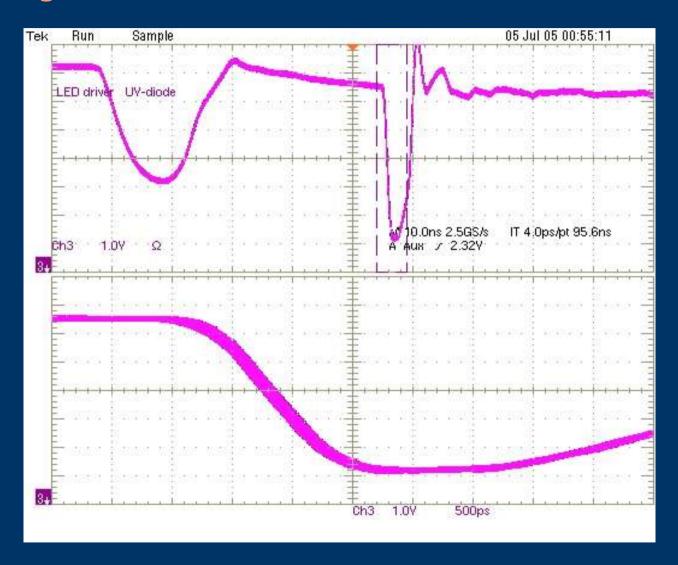
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LED driver jitter

- TDS 5104 2.5Gs oscilloscope
- Fast probes

Jitter = 200ns

1hr at 10kHz, same jitter as running 15min on picture

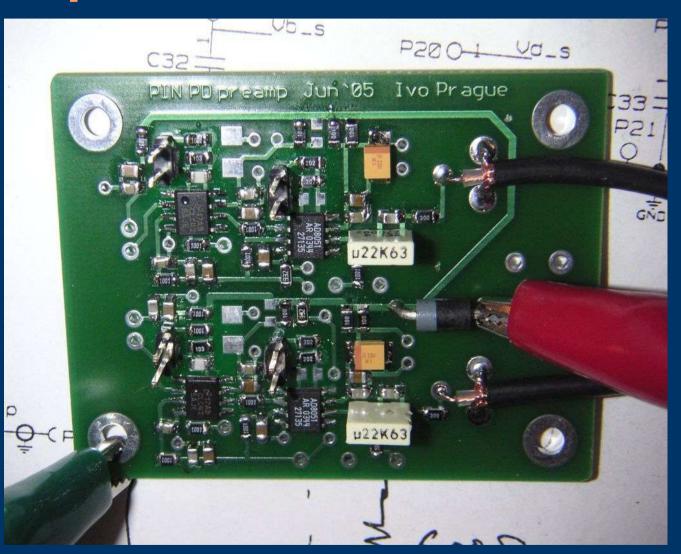


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Zoom 500ps / div

PIN-PD preamp

- 2CH, low noise,50Ohm output,12V power
- Jumpers to set gain (feedback R)
- Made at ONE week, other 4 pcs on assembly



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Time plan

- Two parts of CMB
- Lower part with CANbus is at first hand under design, then upper part with majority of LED drivers
- With an optimistic estimation, prototype in august
- LED Q test to be continued in august/september

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