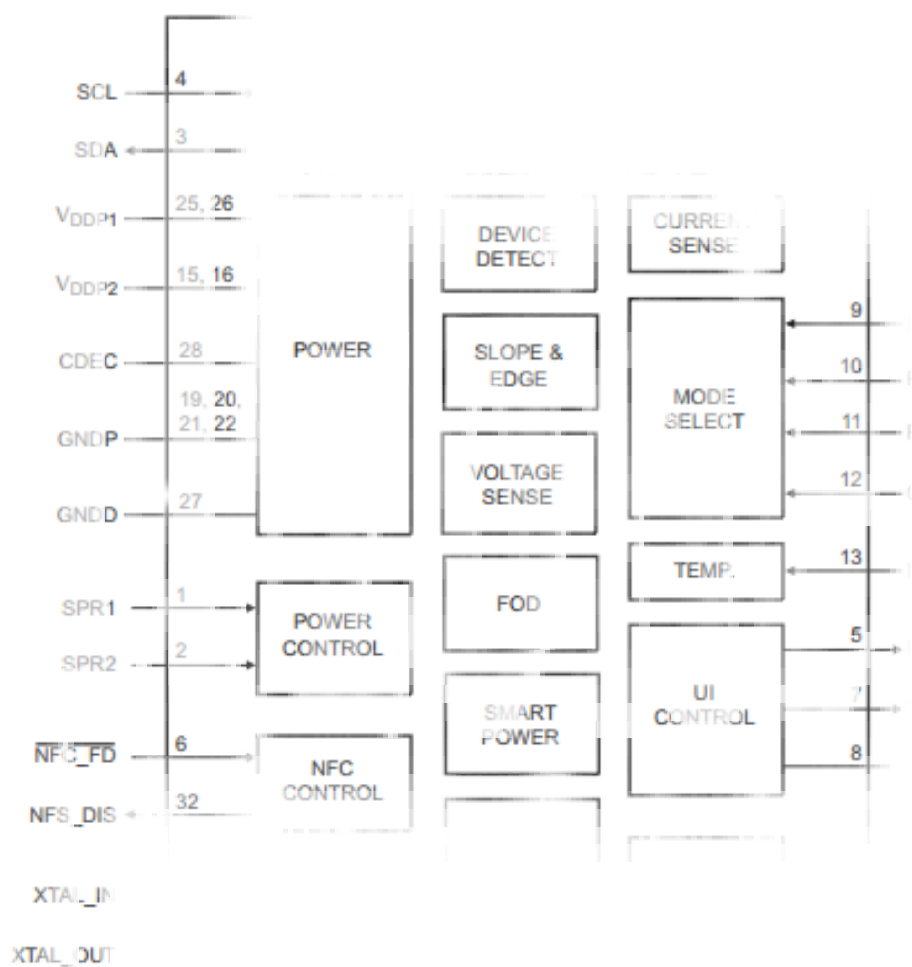


Čip NXQ1TXA5 je určený pre riadenie bezdrôtových nabíjacích staníc malých výkonov správajúci sa podľa Qi štandardu A5, A11, A12 a A16 (Wireless Power Consortium - WPC).

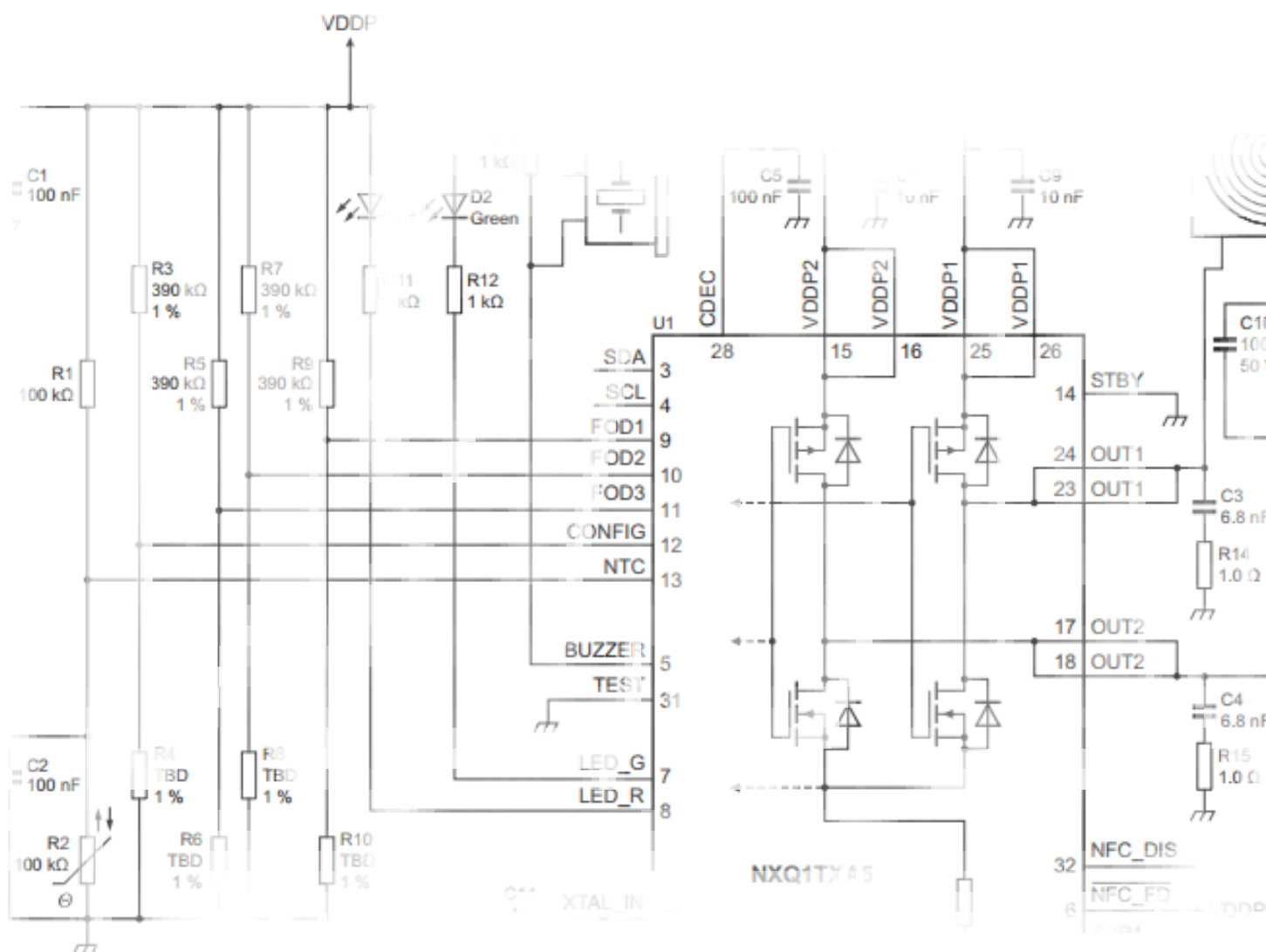
Vlastnosti

- One-chip WPC 1.1.2 Qi-compliant device for A5/A11/A12/A16 5 V single-coil low-power transmitter
- Operates from 5 V supply
- Integrated high-efficiency full-bridge power stage with low EMI radiation meeting EN55022 radiated and conducted emission limits
- Very few external components required, minimizing cost and board space
- Extremely low-power receiver detection circuitry; standby power 10 mW (typical)
- Power stage fully protected against overcurrents and overtemperature
- Fully integrated accurate coil current measurement
- Demodulates and decodes communication packages from Qi-compliant receivers
- PID regulation for closed-loop power drive and control
- Internal 1.8 V digital supply generation
- LED (x2) and buzzer outputs
- NTC input for external temperature check and protection
- On-chip thermal protection
- Small HVQFN 32-pin package (5 x 5 mm) with 0.5 mm pitch
- FOD with automatic switching between V1.1 and V1.0 for legacy receiver support
- FOD levels can be adjusted using external resistors to compensate for application differences to meet Qi certification requirements
- Smart Power Limiting (SPL) function to adapt to power-limited 5 V supplies
- Static Power Reduction (SPR) function to limit power consumption
- Supports Near Field Communication (NFC) TAG applications with delayed start-up

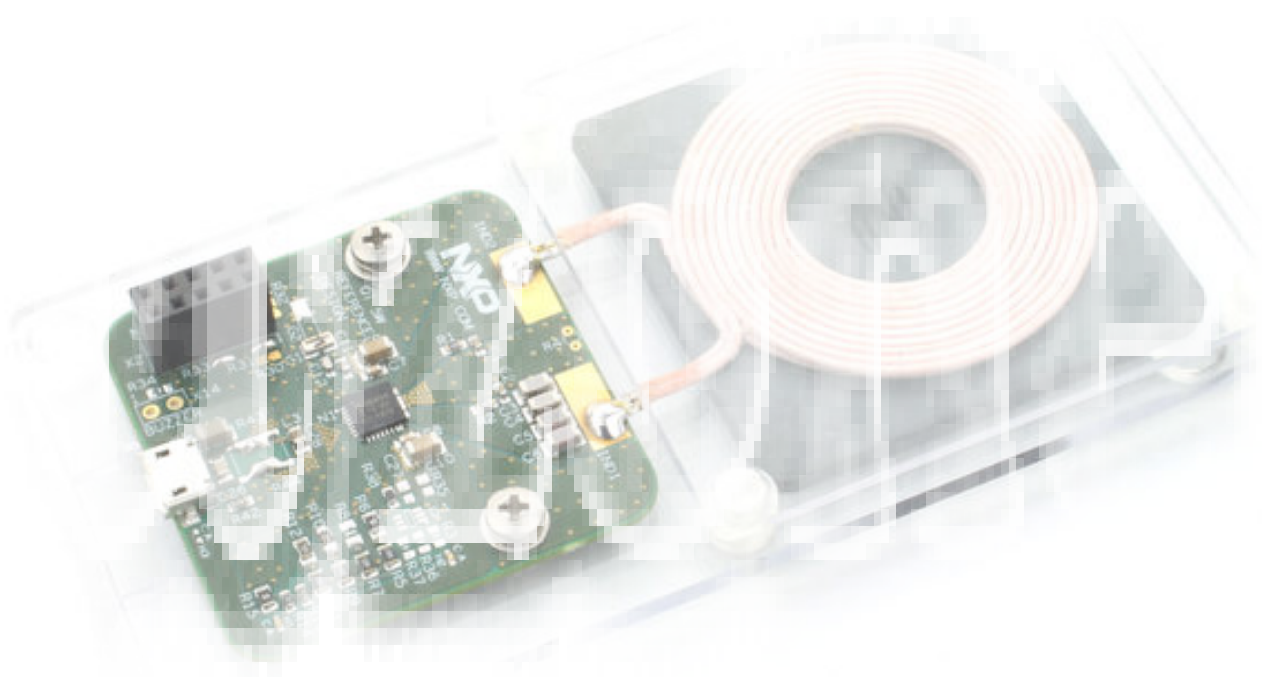
Blokové zapojenie



Aplikačné zapojenie



Demoboard

**Cena**

[Mouser](#) ponuka je na 4,01 Eur pri kusových množstvách.

Demoboard je taktiež [dostupný](#) v cene 92,60 Eur

Odkazy

[Stránka produktu](#)

[Datasheet](#)

[Demoboard](#)

Distribúcia

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