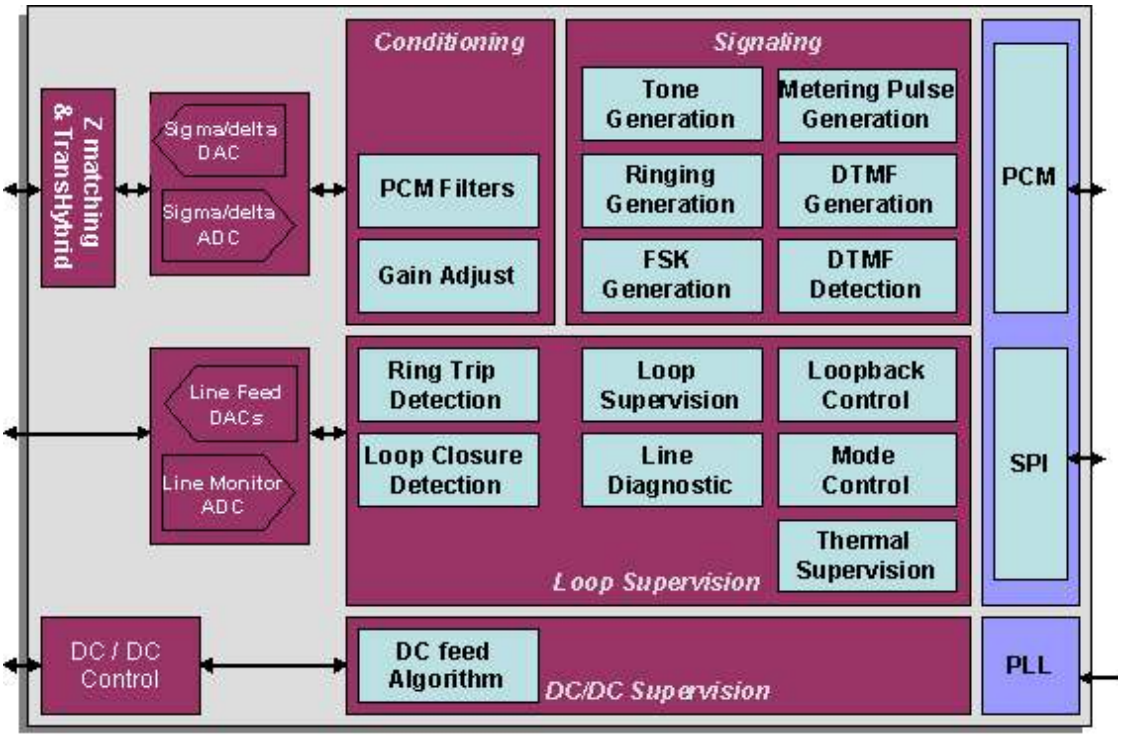
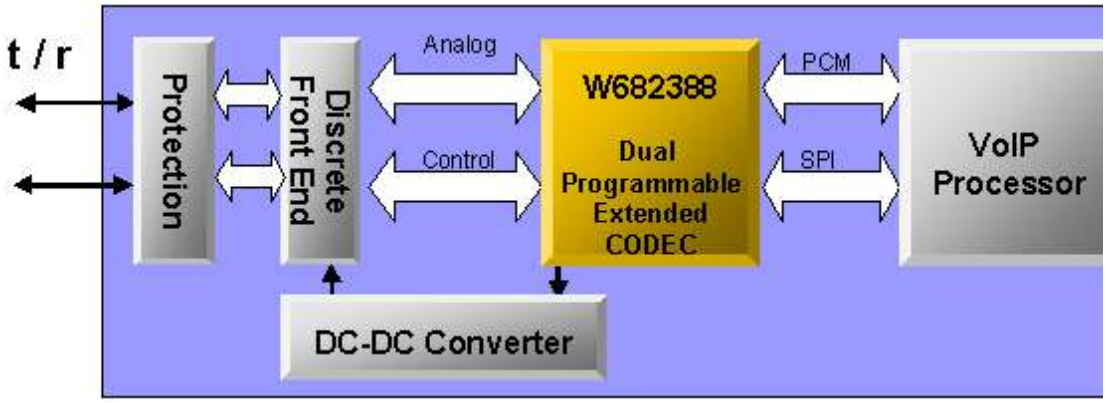
REGION +
Search Enter a K
About Nuvoton | Products & Sales | News & Events | Investor

Pro-X CODEC/SLCC

Part No.	W682388
Datasheet	Request PDF
Description	The W682388 implements a dual channel FXS telephone line interface optimized for short loop applicatio dual SLCC (Subscriber Line Control Circuit) functionality with a dual channel programmable CODEC. The supports internal ringing up to $90V_{PK}$ (5REN at 4kft) ideal for customer premise equipment (CPE). The C configured for µ-law/A-law or 16-bit linear PCM encoding and supports a comprehensive set of signaling required to supervise and control both telephone lines. These include tone generation, including ring tone generation and detection as well as FSK and metering pulse generation. An on-chip dual pulse width mod driver allows the control of DCDC conversion for each line. Programmable impedance and transhybrid ba for worldwide deployment. For additional technical documentation please Contact Sales.
Diagram	Block Diagram



Application Diagram



Features

Performs complete BORSCHT functions for two channels on a single device
Internal balanced ringing up to 90 V_{PK} (5 REN up to 4 kft)
Integrated Power Management
- Integrated PWM controls line voltage to minimize power dissipation in all operating modes

Programmable linefeed characteristics
- Ringing frequency, amplitude, cadence
- Trapezoidal and Sinusoidal waveforms
- Two-wire AC impedance, transhybrid balance
- Constant Current feed (20 to 41 mA)
- Ring trip and loop closure threshold

Loop test and diagnostics support
- Integrated loopback modes
- Real-time linefeed monitor

Programmable signal generation
- DTMF generation and detection
- Metering pulse generation (12/16 kHz)
- Caller ID (FSK) generation
- Tone generation (up to four simultaneous)

	G.711 µ-Law/A-Law / 16-bit linear PCM audio Programmable audio path gains PCM and SPI bus digital interfaces On-chip PLL for flexible clocking options 3.3V operation Small Footprint Packages:LQFP-64, QFN-64
Package	LQFP-64, QFN-64
Other Files	N/A
Development Tools	Evaluation System:
Others	**Parametric**

PART NUMBER	DESCRIPTION
W682388DG	Pb-free, dual channel FXS telephone line interface, µ-law/A-law or 16-bit linear PCM
W682388YG	Pb-free, dual channel FXS telephone line interface, µ-law/A-law or 16-bit linear PCM

Contact us: CODEC@nuvoton.com

Terms of Use | **Privacy Policy** | **Site map**
©2008 Nuvoton Technology Corporation. All Rights Reserved. Best Viewed at 1