nuvoton

REGION +

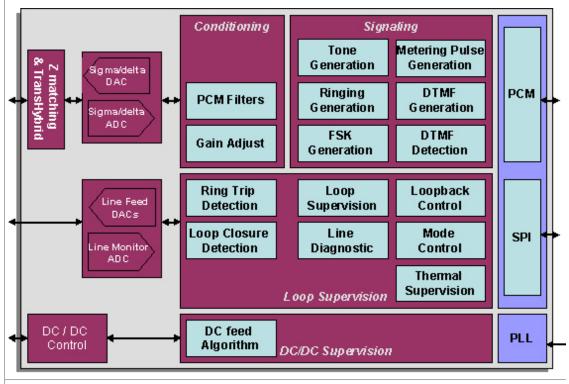
Search Enter a h



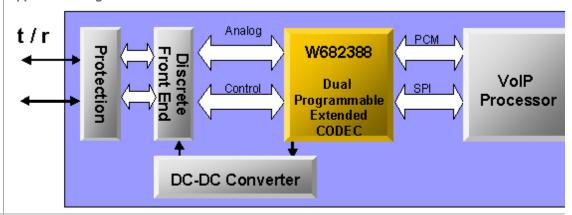
Home \\ Product & Sales \ Product Lines \ Consumer Electronics IC \ Telecom \ Pro-X CODEC/SLCC

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 application 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 Configured for μ -law/A-law or 16-bit linear PCM encoding and supports a comprehensive set of signaling or 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 mode driver allows the control of DCDC conversion for each line. Programmable impedance and transhybrid bath for worldwide deployment. For additional technical documentation please Contact Sales.		
Diagram	Block Diagram		



Application Diagram



Performs complete BORSCHT functions for two channels on a single device Internal balanced ringing up to 90 $\rm V_{PK}$ (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)

Features

	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