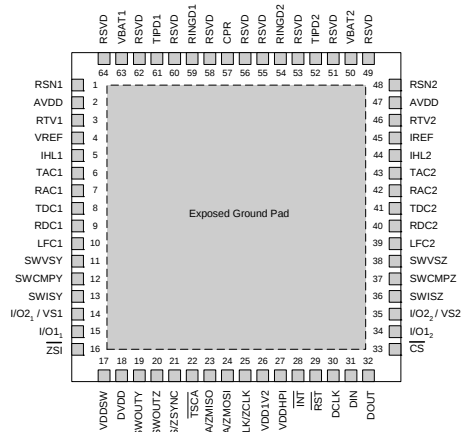


Selected Electrical Specifications

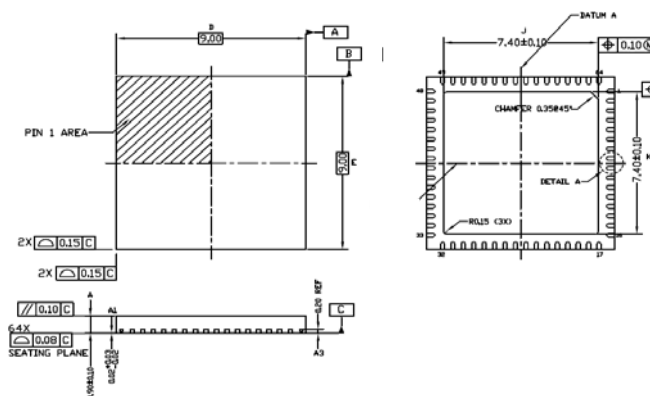
Description	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Ambient Temperature, under Bias	T _A		-40°C		+85	°C
Digital and Analog Supply Voltages	DVDD,AVDD		3.135	3.3	3.465	V _{DC}
Host Port Interface Supply Voltage	VDDHPI		1.71	3.3	DVDD	V _{DC}
Battery Voltages						
For the ZL88701	VBAT _{1,2}		-12	-90	-105	V _{DC}
For the ZL88702			-12	-130	-150	
Line Current	I _{LA}		18	26	49	mA
Ringing Voltage						
For the ZL88701	VRING	Flyback Switcher into 5 REN (Tracking)			65	V _{RMS}
For the ZL88702					99	
Two-Wire Return Loss	R _L	200 to 3400 Hz		30		dB
Longitudinal Balance		1 kHz		58		dB
Device Power Consumption (Per Channel)	P _D					mW
Disconnect		Switcher on, but no DC feed to line		23		
Low Power Idle (On-Hook)		VBAT = -52 V _{DC}		43		
Idle (On-Hook)				85		
Talk (Off-Hook)		300 Ω, ILA = 25mA		435		
Ringing		65 V _{RMS} into 3 REN (Tracking)		480		
Maximum Device Power Dissipation Capability, Continuous	P _{D(max)}	T _A = 85°C		2.1		W
Junction to Ambient Thermal Resistance	θ _{JA}			26		°C/W

Note: Refer to the ZL88701/702 Data Sheet for test circuits and additional details

Device Pinout



Package Drawings



Related Collateral

- *ZL88701/702 Dual Channel Tracking Battery Wideband VoicePort Device - ZL880 Series Data Sheet*, Document ID# 141606
- *ZL880 VP-API-II Reference Guide*, Document ID#: 143271