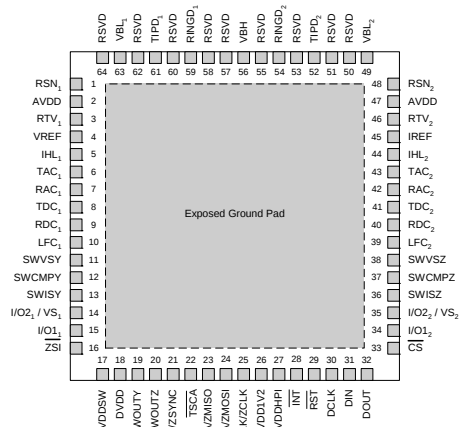


Selected Electrical Specifications

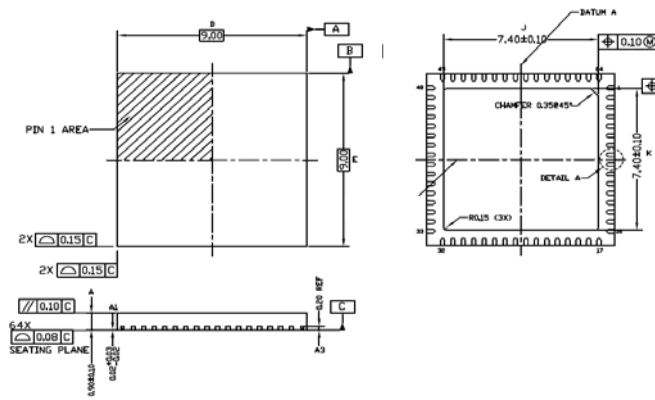
Description	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Ambient Temperature, under Bias	T_A		-40°C		+85	°C
Digital and Analog Supply Voltages	DVDD,AVDD		3.135	3.3	3.465	V_{DC}
Host Port Interface Supply Voltage	VDDHPI		1.71	3.3	DVDD	V_{DC}
High Battery Voltage						
For the ZL88601	VBH		-15	-81	-100	V_{DC}
For the ZL88602			-15	-105	-120	
Line Current	I_{LA}		18	25	45	mA
Ringing Voltage						
For the ZL88601	VRING	ABS Flyback, 5 REN			57	V_{RMS}
For the ZL88602					67	
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	VBH = -81 V_{DC} , VBL = -27 V_{DC}				mW
Disconnect		Switcher on, no DC feed to line		31		
Low Power Idle (On-Hook)		Switcher on, limited feed to line		60		
Idle (On-Hook)		Normal feed to line		128		
Talk (Off-Hook)		300 Ω , I_{LA} = -25 mA, VBL feed		650		
Ringing		50 V_{RMS} into 3 REN		625		
Maximum Device Power Dissipation Capability, Continuous	$P_{D(max)}$	$T_A = 85^\circ\text{C}$		2.1		W
Junction to Ambient Thermal Resistance	θ_{JA}			26		°C/W

Note: Refer to the ZL88601/602 Data Sheet for test circuits and additional details

Device Pinout



Package Drawings



Related Collateral

- ZL88601/602 Dual Channel Wideband Auto Battery Switching (ABS) VoicePort Device - ZL880 Series Data Sheet, Document ID# 141956
- ZL880 VP-API-II Reference Guide, Document ID#: 143271