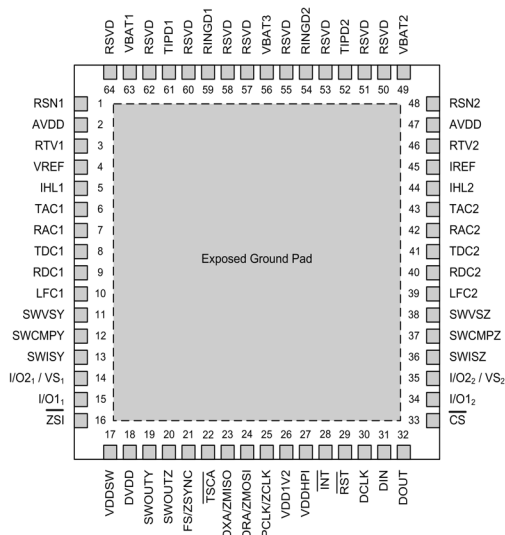


Selected Electrical Specifications

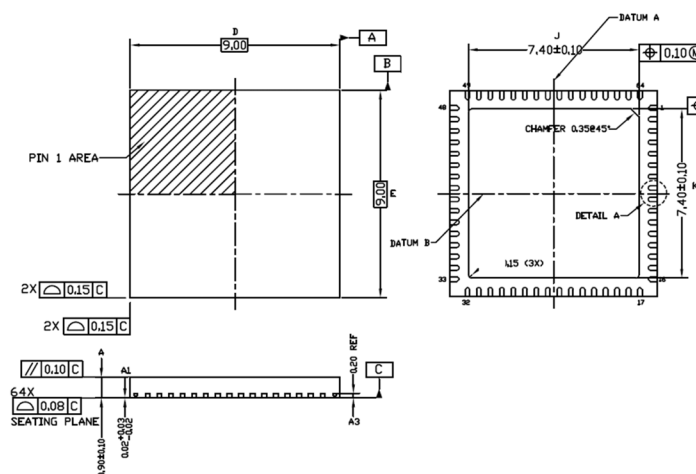
Description	Symbol	Switching Regulator / Test Condition	Min.	Typ.	Max.	Unit
Ambient Temperature, under Bias	T_A	BBABS operation STB operation	-40 0		+85 +45	°C
Digital and Analog Supply Voltages	DVDD, AVDD		3.135	3.3	3.465	V_{DC}
Host Port Interface Supply Voltage	VDDHPI		1.71	3.3	DVDD	V_{DC}
High Battery Voltage	VBAT	BBABS operation, VSW = +12 V STB operation	-60 -12		-90 -105	V_{DC}
Line Current	I_{LA}	BBABS operation STB operation	18 18	20	30 25	mA
Ringing Voltage	V_{RING}	BBABS operation / 5 REN STB operation / 3 REN			50 60	V_{RMS}
Two-Wire Return Loss	R_L	200 to 3400 Hz		30		dB
Longitudinal Balance		1 kHz		58		dB
Maximum Device Power Dissipation Capability	$P_{D(max)}$	Continuous		2.1		W
Junction to Ambient Thermal Resistance	θ_{JA}			26		°C/W

Device Power Consumption	Symbol	Test Conditions	BBABS	STB	Power	Unit
Shutdown	P_D	Switcher off	5	5	Per Channel	mW
Disconnect			25	—		
Low Power Idle Mode (LPIM)		On-Hook	47	39		
Idle		On-Hook	99	—		
Active		Off-Hook, 300 Ω , I_{LA} = 25 mA	520	470	Both Channels	
1 line LPIM, 1 line Ringing		BBABS: 50 V_{RMS} , 5 REN STB: 60 V_{RMS} , 3 REN	839	952		

Device Pinout



Package Drawings



Related Collateral

- ZL88801 Dual Channel Shared Battery Wideband VoicePort Device - ZL880 Series Data Sheet, Document ID# 146161
- ZL880 VP-API-II Reference Guide, Document ID# 143271