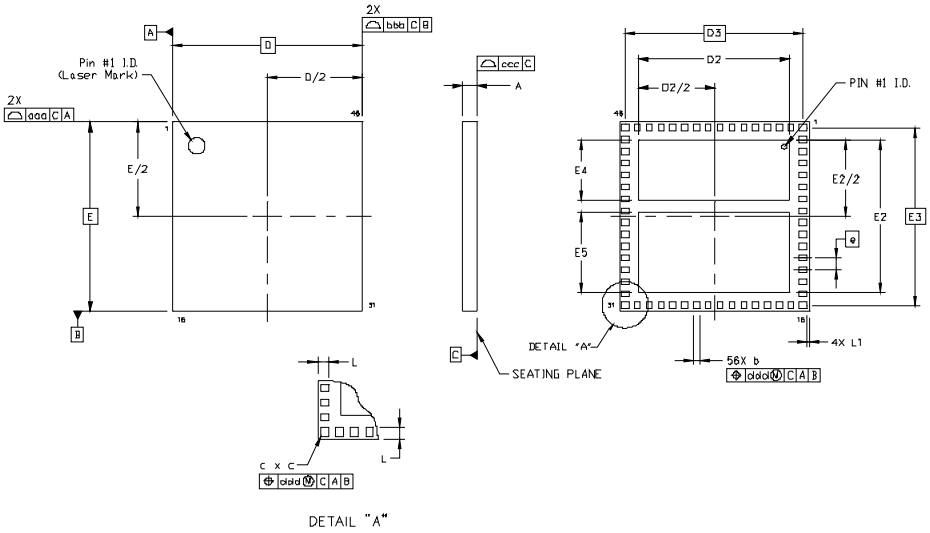
Selected Electrical Specifications

Parameter	Symbol	Test Condition	Min	Typical	Max	Unit
Ambient Temperature	T_A	F-Grade	0	25	70	°C
		G-Grade	–40	25	85	°C
Supply Voltage	V_{DD}		3.13	3.3	3.47	V
Battery Voltage	V_{BAT}		–15	—	–110/–140	V
Maximum Loop Resistance (loop + load)	R_{LOOP}	I_{LOOP}=18 mA, V_{BAT} = –52 V	—	—	2000	Ω
DC Differential Output Resistance	R_{DO}	$I_{LOOP} < I_{LIM}$	160	—	640	Ω
Idle Channel Noise		C-Message weighted	—	8	12	dBrnC
PSRR from V_{DD}		RX and TX, dc to 3.4 kHz	—	55	—	dB
Longitudinal to Metallic/PCM Balance (forward or reverse)		200 Hz to 1 kHz	58	60	—	dB
		1 kHz to 3.4 kHz	53	58	—	dB
Metallic/PCM to Longitudinal Balance		200 Hz to 3.4 kHz	40	—	—	dB
Longitudinal Impedance		200 Hz to 3.4 kHz at TIP or RING	—	50	—	Ω
Longitudinal Current per Pin		Active off-hook 200 Hz to 3.4 kHz	—	25	—	mA
DC Feed Current			—	—	45	mA
2-Wire Return Loss		200 Hz to 3.4 kHz	26	30	—	dB
Transhybrid Balance		300 Hz to 3.4 kHz	26	30	—	dB
Thermal Resistance (QFN-60)	θ_{JA}		—	42	—	°C/W

Ordering Guide

FXS Pin	Description	Max Vbat	Temperature
Si32260-C-FM	Dual FXS, wideband capable	–110 V	0 to 70 °C
Si32260-C-GM	Dual FXS, wideband capable	–110 V	–40 to 85 °C
Si32261-C-FM	Dual FXS, wideband capable	–140 V	0 to 70 °C
Si32261-C-GM	Dual FXS, wideband capable	–140 V	–40 to 85 °C
***Note:** Adding the suffix "R" to the part number (e.g., Si32261-C-FMR) denotes tape and ree			

Package Information 60-pin QFN



	MM		
	Min	Typ	Max
A	0.60	0.65	0.70
b	0.20	0.25	0.30
c	0.25	0.30	0.35
D	8.00 BSC		
D2	6.35	6.40	6.45
D3	7.50 BSC		
e	0.50 BSC		
E	8.00 BSC		
E2	6.35	6.40	6.45
E3	7.50 BSC		
E4	2.46	2.51	2.56
E5	3.34	3.39	3.44
L	0.35	0.40	0.45
L1	0.05	0.10	0.15
aaa	—	—	0.15
bbb	—	—	0.15
ccc	—	—	0.10
ddd	—	—	0.10

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