Dual-Channel Subscriber Line Interface Circuit (SLIC)

Description

California Triangle offers a complete external exchange station (FXS) dual-line telephone interface solution that complies with all relevant global standards. Compared to other competitors in the industry, the device is designed to use a capacitive boost tracking negative power supply, providing advantages of low power consumption, low cost, and small footprint. Self-testing and loop testing (MLT) are achieved through the built-in DSP, monitoring ADC, and test load, resulting in audio quality and DTMF (Dual Tone Multi Frequency) detection that surpass PSTN (Public Switched Telephone Network).

Product view

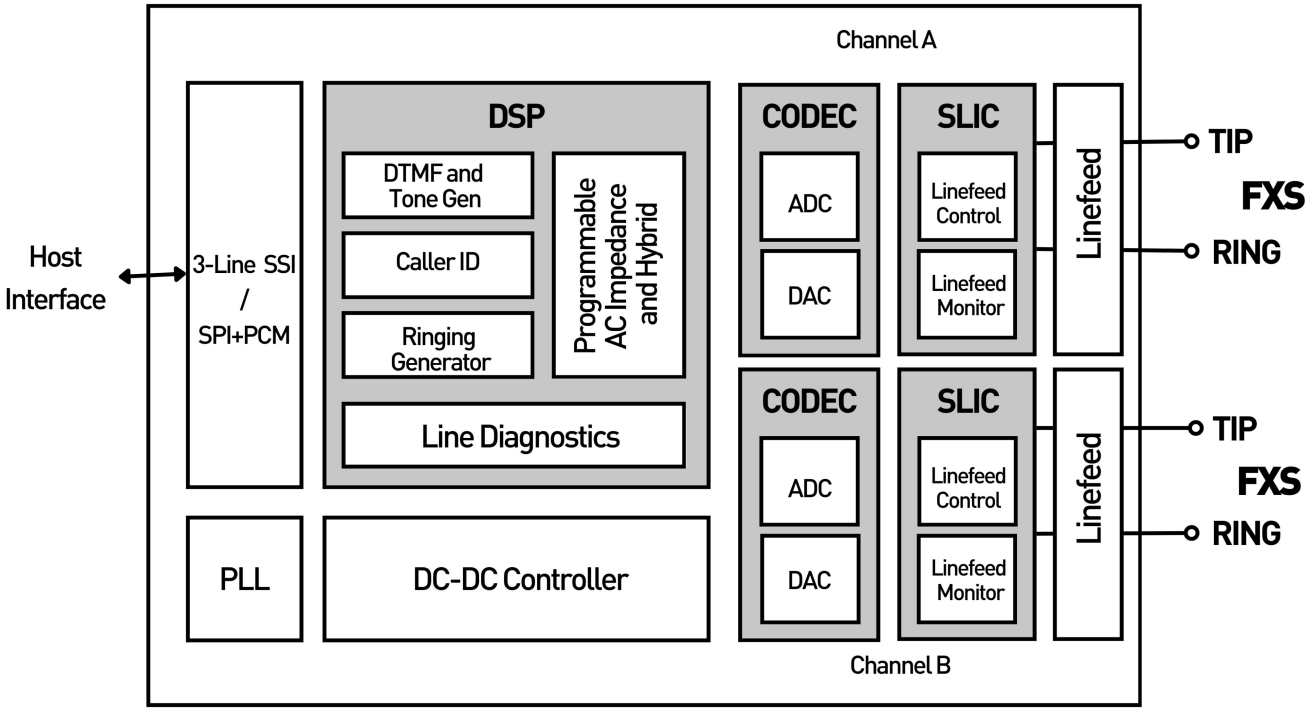
2CH-A SLIC View

2CH-B SLIC View

Key Performance Indicators

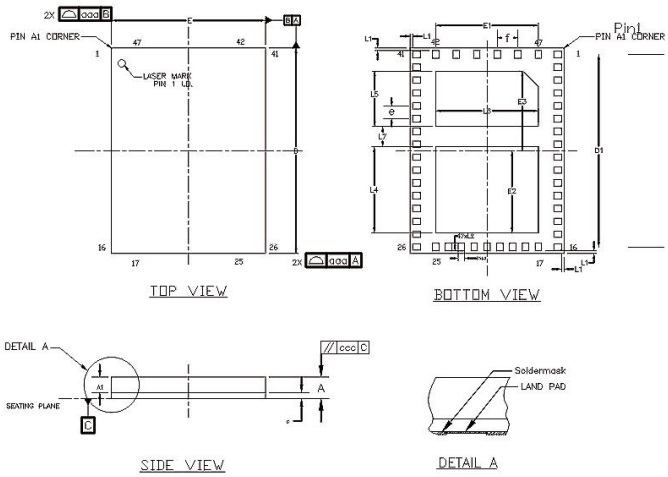
Model	Number of Voice Channels	Host Interface	Speech Coding	Caller ID Display	Dialing Detection	Line Monitoring	Temperature Range	Maximum Voltage	Packaging
2CH-A SLIC	2	SPI/PCM	A-Law μ-Law Linear PCM	DTMF FSK	DTMF	Support	0~+70C	-100V	LGA47
2CH-B SLIC	2	SSI	A-Law μ-Law Linear PCM	DTMF FSK	DTMF	Support	0~+70C	-100V	QFN48

Functional Diagram

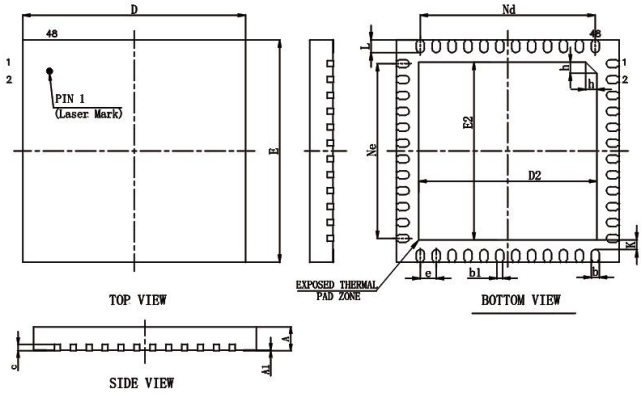


CALIFORNIA TRIANGLE

2CH-A SLIC Packaging Diagram



2CH-B SLIC Packaging Diagram



2CH-A SLIC Packaging Information

SYMBOL	MILLIMETER		
	MIN	NOM	MAX
A	0.790	0.840	0.890
A1	0.60 BASIC		
	0.210	0.240	0.270
D	7.900	8.000	8.100
D1	7.500 BASIC		
E	5.900	6.000	6.100
E1	4.000 BASIC		
E2	.200 BASIC		
E3	.100 BASIC		
L3	0.200	0.2 0	0. 00
L2	0.250	0.300	0. 50
e	0.50 BASIC		
f	0.80 PASIC		
L1	0.10 BA IC		
L4	3.300	3.350	3.400
L5	2.100	2.150	2.200
L6	3.950	4.000	4.050
L7	0.790	0.800	0.850
aaa	0.08		
ccc	0.08		

2CH-B SLIC Packaging Information

SYMBOL	MILLIMETER		
	MIN	NOM	MAX
A	0. 80	0.85	0. 90
A1	0	0.02	0. 05
b	0. 20	0.25	0. 30
b1	0.18REF		
c	0.203REF		
D	6. 90	7. 00	7. 10
D2	5. 50	5. 60	5. 70
e	0. 50BSC		
Ne	5. 50BSC		
Nd	5. 50BSC		
E	6. 90	7. 00	7. 10
E2	5. 50	5. 60	5. 70
L	0. 35	0.40	0. 45
h	0. 30	0. 35	0. 40
K	0. 30REF		