

2025

Product Selection Guide
选品手册



 **SENSYLINK 申矽凌**



一家专注于高性能传感器芯片以及混合信号芯片的半导体设计公司
A High Performance ICs Design Company Focusing on Sensor Chips and Mixed-Signal Chips



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数字温度传感器 (芯片本地测温)
Digital Temperature Sensor (Local Only)



PN	VCC (V)	Interface	Accuracy (°C)	Package
CT1801	1.8 to 5.5	Single-Wire	±0.1	CSP-4
CT1711	1.8 to 5.5	S-Wire	±0.1	MCLGA 3x3-4
CT7117	1.4 to 5.5	I2C/SMBus	±0.1	CSP-4
CT75	1.75 to 5.5	I2C/SMBus	±0.5	SOP-8 MSOP-8 DFN-3x3-8 DFN-2x2-8
CT7112B	1.75 to 5.5	I2C/SMBus	±0.5	DFN-1.6x1.6-6
CT7112C	1.75 to 5.5	I2C/SMBus	±0.5	SOT563-6 SOT-23-6
CT7113	1.4 to 5.5	I2C/SMBus	±1.0	CSP-4 SOT-23-5
CT7118	1.4 to 5.5	I2C/SMBus	±0.75	CSP-6 SOT-23-6
CT7525	1.4 to 5.5	I2C/SMBus	±1.0	CSP-4
CT1820	1.8 to 5.5	Single-Wire	±0.5	SOT-23 TO-92 TO-92S TO-92S-2 MSOP-8
CT1820B	1.8 to 5.5	Single-Wire	±0.5	TO-92 TO-92S-2 SOP-8 MSOP-8
CT1820S	1.8 to 5.5	Single-Wire	±0.5	TO-92
CT1830	2.1 to 5.5	Single-Wire	±0.5	TO-92 SOT-23-3
CT1720	1.8 to 5.5	S-Wire	±1.0	SOT-23 TO-92S
CT1721	1.4 to 5.5	Pulse Count	±0.5	SOT-23 TO-92S-2 CSP-4 DFN-1.6x0.8-2
CT7511	I/O: 1V Core: 1.8V	I3C	±0.5	CSP-6

数字温度传感器 (芯片本地测温+远端测温)
Digital Temperature Sensor (Local+Remote)



PN	VCC (V)	Interface	Accuracy (°C)	Channel	Package
CT7318	1.75 to 5.5	I2C/SMBus	±1.0	1* Local + 1* Remote	SOP-8 MSOP-8 DFN-3x3-8
CT7319	1.7 to 5.5	I2C/SMBus	±1.0	1* Local + 1* Remote	SSOP-16
CT7451	1.7 to 5.5	I2C/SMBus	±1.0	1* Local + 1* Remote	DFN-2x2-8
CT7481	1.75 to 5.5	I2C/SMBus	±1.0	1* Local + 2* Remote	MSOP-10
CT7423	1.8 to 5.5	I2C/SMBus	±1.0	1* Local + 3* Remote	SOP-8
CT7424	1.7 to 5.5	I2C/SMBus	±1.0	1* Local + 4* Remote	QFN-3x3-16
CT7425	1.7 to 5.5	I2C/SMBus	±1.0	1* Local + 5* Remote	QFN-3x3-16
CT7426	1.7 to 5.5	I2C/SMBus	±1.0	1* Local + 6* Remote	QFN-3x3-16
CT7427	1.7 to 5.5	I2C/SMBus	±1.0	1* Local + 7* Remote	QFN-3x3-16
CT7428	1.7 to 5.5	I2C/SMBus	±1.0	1* Local + 8* Remote	QFN-3x3-16
CT7468	1.7 to 5.5	I2C/SMBus	±1.0	1* Local + 8* Remote	QFN-3x3-16
CT7431/A	2.7 to 5.5	I2C/SMBus	±1.0	1* Local + 1* Remote	MSOP-8 DFN-3x3-8
CT7432/A	2.7 to 5.5	I2C/SMBus	±1.0	1* Local + 2* Remote	MSOP-10 DFN-3x3-10
CT7433/A	2.7 to 5.5	I2C/SMBus	±1.0	1* Local + 3* Remote	MSOP-10 DFN-3x3-10
CT7453/A	2.7 to 5.5	I2C/SMBus	±1.0	1* Local + 3* Remote	MSOP-10 DFN-3x3-10 DFN2.5x2-10

温度开关芯片
Temperature Switch

PN	VCC (V)	Accuracy (°C)	Trigger Temperature	Output Logic	Package
CT1722	1.75 to 5.5	±0.5°C	Pre-ProgramRange: -40°C to 125°C	Active Low, (OD, external resistor)	CSP-3 SOT-23-5
CT1723	1.4 to 5.5	±0.25°C	Pre-ProgramRange: 0°C to 125°C	Active Low, (OD, external resistor)	CSP-4 SOT-23-5
CTS7509	2.5 to 5.5	±2.0°C	Resistor ProgramRange: -40°C to 125°C	Active Low, (OD, external resistor)	SOT-23-5
CTS7510	2.5 to 5.5	±2.0°C	Resistor ProgramRange: -40°C to 125°C	Active Low, (OD, internal resistor)	SOT-23-6

模拟温度传感器
Analog Temperature Sensor



PN	VCC (V)	Interface	Temperature@ (T _A =10°C~30°C)	Slope Gain (mV/°C)	Vout@ 25°C (mV)	Package
CT7035A	1.8 to 5.5	Analog	Accuracy: ±0.5°C	19.5	887.5	SOT-23 SC70-5
CT7035B	1.8 to 5.5	Analog	Accuracy: ±0.5°C	10	850	SOT-23 SC70-5
CT7035C	1.8 to 5.5	Analog	Accuracy: ±0.5°C	6.25	580	SOT-23 SC70-5
CT7035D	1.8 to 5.5	Analog	Accuracy: ±0.5°C	-5.5	895.5	SOT-23 SC70-5
CT7035E	1.8 to 5.5	Analog	Accuracy: ±0.5°C	-8.2	1365	SOT-23 SC70-5
CT7035F	1.8 to 5.5	Analog	Accuracy: ±0.5°C	-10.9	1834.5	SOT-23 SC70-5
CT7035G	1.8 to 5.5	Analog	Accuracy: ±0.5°C	-11.77	1574	SOT-23 SC70-5
CT7035H	1.8 to 5.5	Analog	Accuracy: ±0.5°C	-13.6	2293	SOT-23 SC70-5
CT7035J	1.8 to 5.5	Analog	Accuracy: ±0.5°C	10	750	SOT-23 SC70-5
CT7035K	1.8 to 5.5	Analog	Accuracy: ±0.15°C	-5.8	1914.7	SOT-23 SC70-5

车规级温度传感器芯片
Automotive-Grade Temperature Sensor

PN	Channel No.	Accuracy	Interface	Verification	Package
CT75-Q	Local	±0.5°C over 0°C to 50°C, ±1°C over -20°C to 85°C, ±1.5°C over -40°C to 125°C	I2C/SMBus	Automotive AEC-Q100	DFN3x3-8 MSOP-8
CT7112C-Q	Local	±0.5°C over 0°C to 85°C, ±1°C over -40°C to 125°C	I2C/SMBus	Automotive AEC-Q100	SOT-563
CT7112F-Q	Local	±0.5°C over 0°C to 85°C, ±1°C over -40°C to 125°C	I2C/SMBus	Automotive AEC-Q100	DFN 1.6x1.6-6
CT7035-Q	Local	±1.5°C over 10°C to 50°C, ±3.5°C over -40°C to 125°C	Analog	Automotive AEC-Q100	SOT23 SC70-5
CT7451-Q	1 L + 1R	±1°C over 0°C to 85°C, ±2°C over -40°C to 125°C	I2C/SMBus	Automotive AEC-Q100	DFN2x2-8

温湿度传感器 Temperature & Humidity Sensor

PN	VCC (V)	Interface	Temperature (typ.)(°C)	Humidity (typ.)(%RH)	I_Aoc/1Hz	I_SD	ADD	Package
CHT8305E	2.5 to 5.5	I2C	±0.2	±2.0@50%RH	1.5uA	0.05uA	4	DFN-3x3-6
CHT8315	1.35 to 5.5	I2C/SMBus	±0.2	±1.5@20%RH-80%RH	1.0uA	0.035uA	4	DFN-3x3-6
CHT8310	1.65 to 5.5	I2C/SMBus	±0.2	±2.0@20%RH-80%RH	2.0uA	0.055uA	4	DFN-3x3-6
CHT1305	2.2 to 5.5	Single-Wire	±0.2	±2.0@50%RH	2.5uA	0.1uA	/	DFN-3x3-6
CHT832x	1.65 to 5.5	I2C/SMBus	±0.1	±1.5@20%RH-80%RH	5.5uA	0.36uA	4	DFN-2x2-4
CHT8336	1.8 to 5.5	Analog/PWM	±0.2	±2.0@20%RH-80%RH	220uA (@2Hz)	/	/	DFN-2x2-4
CHT8575	1.8 to 5.5	I2C/SMBus	±0.1	±2.0@20%RH-80%RH	5.5uA	0.36uA	/	CSP-4
CHT8325-Q	1.8 to 5.5	I2C/SMBus	±0.1	±1.5@20%RH-80%RH	5.5uA	0.36uA	4	DFN-2x2-4

数字环境光传感器 Digital Ambient Light Sensor

PN	VCC (V)	Resolution	Measurement	Package	Feature
COA3001	1.6 to 3.6	0.01 lux	0.01 to 83,000 lux	DFN-2x2-6	Hardware output Lux value Ultra low power: 10uA@working "Human eye alike" filter: 550nm, 99% IR rejection
COA3001-Q	1.6 to 3.6	0.01 lux	0.01 to 83,000 lux	DFN-2x2-6	AEC-Q100
COA3007	1.6 to 3.6	0.01 lux	0.01 to 83,000 lux	FCSP-6	Flat CSP package

光电探测器 Photodetectors

PN	Description	Dimension (mm)	Radiant sensitive area(mm ²)	Spectral range (nm)	Wavelength of max sensitivity (nm)	Photocurrent I _p E _e = 0.1 mW/cm ² ; VR = 5 V	Dark current I _r VR = 5 V	Capacitance (pF) VR = 5 V; f = 1 MHz; E = 0	Field of View (°)
COP3103	photodiodes	3.2 x 2.0 x 0.6	3.27	400 ~1100	940	λ = 530 nm; 1.10 uA λ = 655 nm; 1.66 uA λ = 940 nm; 2.42 uA	TYP 0.1	5.8	130
COP3104	photodiodes	2.0 x 1.8 x 0.6	1.51	400 ~1100	940	λ = 535 nm; 0.54 uA λ = 940 nm; 1.38 uA	TYP 0.1	3	120

霍尔开关传感器 Hall-Effect Switch



PN	VCC (V)	Operating Temperature (°C)	Polarity	B _{OPS}	B _{RPS}	Hyst	Package
CAH1912	3 to 3.6	-40 to 85	Omnipolar	21Gs / 30Gs / 39Gs	14Gs / 23Gs / 30Gs	7Gs	DFN1.2x1.6-4 SOT23-3 SOT-23

热电偶调理芯片 ThermoCouple Conditioning ICs

PN	VCC (V)	Interface	Temperature Spec	Protection	Description	Package
CT1780	3.0 to 5.5	1-wire	Thermocouple Types:K-,J-,N-,T-,E- Resolution:0.25°C, 14bit ADC Internal Cold-Junction Range: -40 to 125°C	Detect Open Thermocouple	Cold-Junction Compensated, Single-Wire Thermocouple-to-Digital Convert	DFN 4x3-10
CT1782	1.7 to 3.6	SPI	Thermocouple Types:K-,J-,N-,T-,E- Resolution:0.25°C, 14bit ADC Internal Cold-Junction Range: -40 to 125°C	Detect Open Thermocouple	Cold-Junction Compensated, Single-Wire Thermocouple-to-Digital Convert	DFN 2x2-8

系统温度/电压/风扇转速监测器 System Temperature/ Voltage/ FanSpeed Monitor

PN	VCC (V)	Interface	Temperature	Analog Voltage	Fan Speed	Logic	Package
CT80	2.7 to 5.5	I2C/SMBus	1-CH, Local only Accuracy: 1.0°C Resolution: 0.0625°C	7-CH Range: 0-2.56V or 0-VCC Resolution: 2.56mV or 6.0mV	2-CH	3-CH Input 2-CH Output	TSSOP-24

PN	VCC (V)	Interface	Temperature	Fan control	Outputs Fan Drive	Package
CTF2301A	3.0 to 3.6	I2C/SMBus	1-CH Local 1-CH Remote Lo_Resolution:0.0625°C Re_Resolution:0.125°C Lo_Accuracy:±0.1°C Re_Accuracy:±1°C Range: -40 to 125°C	Temperature-based Fan Speed Control PWM Freq:22.7Hz~180kHz Duty Cycle:0~100% TCRIT Function	1 PWM	MSOP-10 DFN-3x3-10
CTF2301B	3.0 to 3.6	I2C/SMBus	1-CH Local 1-CH Remote Lo_Resolution:0.0625°C Re_Resolution:0.125°C Lo_Accuracy:±0.1°C Re_Accuracy:±1°C Range: -40 to 125°C	Temperature-based Fan Speed Control PWM Freq:22.7Hz~180kHz Duty Cycle:0~100%	1 PWM	MSOP-10 SOP-8
CTF2302	3.0 to 5.0	I2C/SMBus	1-CH Local 4-CH Remote Lo_Resolution:0.0625°C Re_Resolution:0.0625°C Lo_Accuracy:±1°C Re_Accuracy:±2°C Range: -40 to 125°C	Temperature-based Fan Speed Control PWM Freq:10Hz~40kHz Duty Cycle:0~100% Duty Cycle Resolution:0.39% THERM Temperature with Hysteresis Fan Failures Detect	2 PWM	QFN-3x3-16A
CTF2304	3.0 to 5.0	I2C/SMBus	1-CH Local 8-CH Remote Lo_Resolution:0.0625°C Re_Resolution:0.0625°C Lo_Accuracy:±1°C Re_Accuracy:±1°C Range: -40 to 125°C	Temperature-based Fan Speed Control PWM Freq:10Hz~40kHz Duty Cycle:0~100% Duty Cycle Resolution:0.39% THERM Temperature with Hysteresis Fan Failures Detect	4 PWM	QFN-3x3-24

系统级风扇控制专用芯片 System Level Fan Speed Monitor and Controller ICs



PN	VCC (V)	Interface	Fan control	Control Mode	Outputs Fan Drive	Tach Input Num.	GPIO Num.	Package
CTF2816	3.0 to 3.6	I2C/SMBus	PWM Freq: 1kHz~50kHz Duty Cycle: 0~100%, 8 bits Duty Cycle Resolution: 0.39% Intelligent Fan Failures Detect SMBus & I2C	Takeover Mode or Fixed-Freq	6 PWM	12	-	QFN4x4-32
CTF2836	3.0 to 3.6	I2C/SMBus	PWM Freq: 1kHz~50kHz Duty Cycle: 0~100%, 8 bits Duty Cycle Resolution: 0.39% Intelligent Fan Failures Detect SMBus & I2C	Takeover Mode or Fixed-Freq	6 PWM	12	21	QFN5x5-36
CTF2838	3.0 to 3.6	I2C/SMBus	PWM Freq: 1kHz~50kHz Duty Cycle: 0~100%, 8 bits Duty Cycle Resolution: 0.39% Intelligent Fan Failures Detect SMBus & I2C	Takeover Mode or Fixed-Freq	8 PWM	16	21	QFN6x6-64 QFN8x8-64

电压/电流/功率监控器 Voltage/Current/Power Monitor

PN	VCC (V)	Interface	Channel No.	Resolution (bit)	Gain (V/V)	Common Mode Voltage (V)	Package
CAD2719	2.7 to 5.5	I2C/SMBus	1	12	1, 0.5, 0.25, 0.125	0 to 26	SOP-8 TSOT23-8
CAD2720	2.7 to 5.5	I2C/SMBus	1	12	1, 0.5, 0.25, 0.125	0 to 26	MSOP-10 DFN-3x3-10
CAD2726	2.7 to 5.5	I2C/SMBus	1	16	1	0 to 36	MSOP-10 DFN-3x3-10
CAD2730	2.7 to 5.5	I2C/SMBus	1	16	1	0 to 36	QFN 3x3-16 MSOP-10
CAD27323	2.7 to 5.5	I2C/SMBus	3	13	1	0 to 26	QFN 4x4-16
CAD27334	2.7 to 5.5	I2C/SMBus	4	16	1	0 to 32	QFN 4x4-16 CSP-16
CAD2738	2.7 to 5.5	I2C/SMBus	1	16	1	-0.3 to 85	MSOP10
CAD2743	1.7 to 5.5	I2C/SMBus	1	12	1	-0.3 to 28	CSP-8

电流检测放大器
Current Sense Amplifier

PN	Common-mode voltage (V)	Supply voltage (V)	Input offset (\pm) (max) (μ V)	Voltage gain (V/V)	CMRR (min) (dB)	Bandwidth (kHz)	Gain error (%)	Package
CLA2215	-0.3 to 26	2.7 to 26	60	75	105	40	0.4,0.9	SC70-6 QFN1.4x1.8-10
CLA2216	1.8 to 5.5	1.8 to 5.5	75,100	25,50, 100,200	90	2.5,5, 10,20	0.2	SC70-6 QFN1.4x1.8-10
CLA2212	-0.3 to 26	2.7 to 26	35	1000	105	4	0.4,0.9	SC70-6 QFN1.4x1.8-10
CLA2211	-0.3 to 26	2.7 to 26	60	500	105	7	0.4,0.9	SC70-6 QFN1.4x1.8-10
CLA2214	-0.3 to 26	2.7 to 26	60	100	105	30	0.4,0.9	SC70-6 QFN1.4x1.8-10
CLA2213	-0.3 to 26	2.7 to 26	100	50	100	80	0.4,0.9	SC70-6 QFN1.4x1.8-10
CLA2210	-0.3 to 26	2.7 to 26	35	200	105	14	0.4,0.9	SC70-6 QFN1.4x1.8-10
CLA2281	-4 to 110	2.7 to 20	150	20,50, 100,200, 500	120	900	0.5	SOT-23-5
CLA185	-0.2 to 26	2.7 to 5.5	50	20,50, 100,200	86	350	0.12	SC70-6

通用运放/比较器
General Purpose Amplifier/Comparator

PN	Type	Channel	Description	Package
CAA084	OPA	4	40 V Quad Operational Amplifier	SOP-14 TSSOP-14
CAA3021	Comparator	1	Rail-to-rail 1.8 V high-speed comparator	SOT-23-5 SC70-5

PN	VCC (V)	Interface	Resolution (bit)	Channel	Description	Package
CAD2512A04	3.0 to 5.5	I2C/SMBus	12	4-CH	Internal Temperature Sensing: $\pm 1^{\circ}\text{C}$ Accuracy 9 selectable addresses	MSOP-8 DFN 3x3-8
CAD2512A08	3.0 to 5.5	I2C/SMBus	12	8-CH	Internal Temperature Sensing: $\pm 1^{\circ}\text{C}$ Accuracy 9 selectable addresses	TSSOP-16 QFN 3x3-16

电压基准
Voltage Reference

PN	Rating	Output Voltage	Vin (min)(V)	Vin (max)(V)	Iq (max)(μA)	Accuracy (max)	TC (-40~125 $^{\circ}\text{C}$) (ppm/ $^{\circ}\text{C}$)	Line Regulation (max)(ppm/V)	Load Regulation (max)(ppm/mA)	Output Capacitor Load (μF)	Package
CREF33XX	Industrial	Fixed (1.2,1.8, 2.5,3.0, 3.3)	max (Vout +0.2,1.7)	5.5	8.5	0.0015	30	50	20	0.1~10	SOT23-3

模拟集成前端/数模转换器
AFE/ADC

PN	Channel	Resolution	VDD	Input range	Speed	Interface	Description	Package
CAFE2256	256	16bit	AVddd1=1.85V AVdd2=3.3V	9.6pC	12.8 μs to 204.8 μs	SPI	256-channel, analog front-end (AFE) designed to suit the requirements of flat-panel detector (FPD)-based digital x-ray systems	COF
CAFE3256	256	16bit	1.85V	12pC	10.8 μs to 204.8 μs	SPI	256-channel, analog front-end (AFE) designed to suit the requirements of flat-panel detector (FPD)-based digital x-ray systems	COF
CAD2811	1	SNR=90dB	2.5~5.5V	10 μA	1MHz	Analog	Fully-integrated I to F analog front-end (AFE) that is ideally suited for pulse oximeter applications.	QFN3x3-16
CAD2518	1	18bit	2.5V	+/-5V	1MSPS	SPI	18bit, 2MSPS, low noise ADC	MSOP-10 DFN3x3-10
CAFE1294R	4	24bit	2.7~5.2V	+/-2.5V	32kSPS	SPI	High resolution ECG AFE	BGA8X8-64
CAFE1296R	6	24bit	2.7~5.2V	+/-2.5V	32kSPS	SPI	High resolution ECG AFE	BGA8X8-64
CAFE1298R	8	24bit	2.7~5.2V	+/-2.5V	32kSPS	SPI	High resolution ECG AFE	BGA8X8-64

PN	Type	Supply voltage	Analog voltage range	Switch current	Ron	Description	Package
CMU99532	32-SPST	5V	+/-105	2.5A	8.3 ohm	32-CH HV MUX, SPST, no high power needed	QFN-10x10-84
CMU99632	32-SPDT	5V	+/-105	2.5A	7 ohm	32-CH HV MUX, SPDT, no high power needed	QFN-9x9-64
CMU99516	16-SPST	5V	+/-105	2.5A	8.3 ohm	16-CH HV MUX, SPST, no high power needed	QFN-7x7-48
CMU99232	32-SPDT	+/-100	+/-100	2A	10 ohm	32-CH HV MUX, SPDT, high power needed	QFN-9x9-64
CMU99132	32-SPDT	+/-100	+/-100	2A	10 ohm	32-CH HV MUX, SPST, high power needed	BGA-9x9-78
CMU99116	16-SPST	+/-100	+/-100	2A	10 ohm	16-CH HV MUX, SPST, high power needed	LQFP-7x7-48
CMU99324	8* 3:1 Mux	+/-100	+/-100	2A	10 ohm	24-CH 1:3 HV mux, high power needed	LQFP-7x7-48
CMU99290	8-SPST	+/-100	+/-100	2A	10 ohm	8-CH HV MUX, SPST, high power needed	LQFN-7x7-48
CMU99564	64-SPST	5V	+/-100	2A	10 ohm	64-CH HV MUX, SPST, no high power needed	BGA-10x10-196

高压脉冲发生器
Pulser

PN	channel	Output level	Output voltage	output current	T/R Ron	Description	Package
CMTX91508	8	5	+/-100V	2A	15 ohm	8ch Pulser with T/R switch and beamforming	QFN-10x10-68
CMTX95308	8	3	+/-100V	2A	15 ohm	8ch 3 level Pulser with T/R switch	QFN-9x9-64
CMTX95508	8	5	+/-100V	2A	10 ohm	8ch 5 level Pulser with T/R switch	QFN-10x10-68
CMTX97332	32	3	+/-100V	1A	10 ohm	32ch 3level Pulser with T/R switch	BGA-17x11-260
CMTX97516	16	5	+/-100V	2A	10 ohm	16ch 5 level Pulser with T/R switch and beamforming	BGA-10x10-144
CMTX91308A	8	3	+/-100V	2A	10 ohm	8ch 3 level Pulser with T/R switch	QFN-10x10-68
CMTX91308B	8	3	+/-100V	2A	10 ohm	8ch 3 level Pulser with T/R switch	QFN-10x10-68
CMTX95316	16	3	+/-100V	2A	10 ohm	16ch 3level Pulser with T/R switch and beamforming	BGA-13x13-330
CMTX95516	16	5	+/-100V	2A	10 ohm	16ch 5level Pulser with T/R switch and beamforming	BGA-15x15-484
CMTX95332	32	3	+/-100V	1A	10 ohm	32ch Pulser with T/R switch and beamforming	BGA-13x13-314

PN	VCC (V)	I/O	Supply	Reset	INT	Address	I2C Address	Description	Package
CA9536	1.65 to 5.5	4	1	no	no	1	1000001R/W	I2C/SMBus I/O Expander	SOP-8 MSOP-8
CA9534	1.65 to 5.5	8	1	no	yes	8	0100A2A1A0R/W	I2C/SMBus I/O Expander with Interrupt Output	TSSOP-16 QFN4x4-16
CA9534A	1.65 to 5.5	8	1	no	yes	8	0111A2A1A0R/W	I2C/SMBus I/O Expander with Interrupt Output	TSSOP-16 QFN4x4-16
CA9538	1.65 to 5.5	8	1	yes	yes	4	11100A1A0R/W	I2C/SMBus I/O Expander with Interrupt Output, Reset	TSSOP-16
CA9554	1.65 to 5.5	8	1	no	yes	8	0100A2A1A0R/W	I2C/SMBus I/O Expander with Interrupt Output, Input I/O with internal pull-up	TSSOP-16 QFN4x4-16 QFN3x3-16
CA9554A	1.65 to 5.5	8	1	no	yes	8	0111A2A1A0R/W	I2C/SMBus I/O Expander with Interrupt Output, Input I/O with internal pull-up	TSSOP-16 QFN4x4-16 QFN3x3-16
CA9557	2.3 to 5.5	8	1	yes	no	8	0011A2A1A0R/W	I2C/SMBus I/O Expander with Reset	TSSOP-16 SOP-16 QFN4x4-16
CA6408	1.65 to 5.5	8	2	yes	yes	2	010000A0R/W	I2C/SMBus I/O Expander with Interrupt Output, Reset, Voltage-Level Translation	TSSOP-16 QFN3x3-16
CA9535	1.65 to 5.5	16	1	no	yes	8	0100A2A1A0R/W	I2C/SMBus I/O Expander with Interrupt Output	TSSOP-24 QFN4x4-24
CA9539	1.65 to 5.5	16	1	yes	yes	4	11101A1A0R/W	I2C/SMBus I/O Expander with Interrupt Output, Reset	TSSOP-24 QFN4x4-24
CA9539-Q	1.65 to 5.5	16	1	yes	yes	4	11101A1A0R/W	I2C/SMBus I/O Expander with Interrupt Output, Reset	TSSOP-24
CA9555V	1.65 to 5.5	16	1	no	yes	8	0100A2A1A0R/W	I2C/SMBus I/O Expander with Interrupt Output, Input I/O with internal pull-up	TSSOP-24 QFN4x4-24
CA6416V	1.65 to 5.5	16	2	yes	yes	2	010000A0R/W	I2C/SMBus I/O Expander with Interrupt Output, Reset, Voltage-Level Translation	TSSOP-24 QFN4x4-24 QFN3x3-24

I2C/SMBus 开关/多路复用器/主选择器
I2C/SMBus Switch/Mux/Master Selector



PN	VCC (V)	M:S	Reset	INT	I_standby	Address	I2C Address	Description	Package
CA9641	2.3 to 3.6	2:1	1	3	100uA	112	A6A5A4A3A2A1A0 _{R/W}	2 master to 1 slaves I2C/SMBus Master Selector with an Arbiter Function	TSSOP-16 QFN3X3-16
CA9542	1.65 to 5.5	1:2	0	3	1.5uA	8	1110A2A1A0 _{R/W}	1 master to 2 slaves I2C/SMBus Multiplexer with Interrupt	SOP-14 TSSOP-14
CA9543	1.65 to 5.5	1:2	1	3	1.5uA	4	11100A1A0 _{R/W}	1 master to 2 slaves I2C/SMBus Switch with Interrupt and Reset	SOP-14 TSSOP-14
CA9544	1.65 to 5.5	1:4	0	5	1.5uA	8	1110A2A1A0 _{R/W}	1 master to 4 slaves I2C/SMBus Multiplexer with Interrupt	SOP-20 TSSOP-20 QFN3x3-20 QFN5x5-20
CA9545	1.65 to 5.5	1:4	1	5	1.5uA	4	11100A1A0 _{R/W}	1 master to 4 slaves I2C/SMBus Switch with Interrupt and Reset	SOP-20 TSSOP-20
CA9546	1.65 to 5.5	1:4	1	0	1.5uA	8	11100A1A0 _{R/W}	1 master to 4 slaves I2C/SMBus Switch with Reset	SOP-16 TSSOP-16 QFN4x4 -16
CA9547	1.65 to 5.5	1:8	1	0	1.5uA	8	11100A1A0 _{R/W}	1 master to 8 slaves I2C/SMBus Multiplexer with Reset	TSSOP-24 QFN4x4 -24
CA9548	1.65 to 5.5	1:8	1	0	1.5uA	8	11100A1A0 _{R/W}	1 master to 8 slaves I2C/SMBus Switch with Reset	TSSOP-24 QFN4x4 -24

PN	VCC (V)	Ron(typ) (ohm)	Channels	Configuration	BW(MHz)	Type	Description	Package
CAS92200A	2.5 to 3.3	6	2	2:1 SPDT	900	I3C SW	I3C 1:2 Multiplexer/Demultiplexer Switch	QFN1.5x2-10
CAS92221A	2.5 to 3.3	6	2	2:1 SPDT	900	USB2.0 SW	USB2.0 Switch with Hardware Select and Enable	QFN1.5x2-10 DFN3x3-10
CAS98501A	3 to 3.6	4	8+3	2:1 SPDT	600	Ethernet SW	8 CH 2:1 LAN Switch with Hi-Z outputs	QFN3.5x9-42
CAS94125V	2.3 to 3.6	5	4	SPST	200	General SW	Low-Voltage Quadruple FET Bus Switch with powered-off protection	SOP-14 TSSOP-14
CAS94126V	2.3 to 3.6	5	4	SPST	200	General SW	Low-Voltage Quadruple FET Bus Switch	SOP-14 TSSOP-14
CAS94257V	2.3 to 3.6	5	4	2:1 SPDT	500	General SW	4-Bit 1-of-2 Multiplexer/Demultiplexer	SOP-16 TSSOP-16 QFN4x3.5-16
CAS92253V	2.3 to 3.6	5	2	2:1 SPDT	500	General SW	4-Bit 1-of-2 Multiplexer/Demultiplexer	SOP-16 TSSOP-16
CAS91157R	1.65 to 5.5	6	1	SPDT	/	General SW	Single-Pole Double-Throw Analog Switch	SOT23-6 DFN1.45x1-6 SC70-6

缓冲/信号中继器
I2C/SMBus Buffer / Repeater

PN	VCCA (V)	VCCB (V)	Freq (Hz)	CH	Enable	Description	Package
CA9511	2.3 to 5.5	/	1M	2	1	Hot-swappable FM+ I2C/SMBus Buffer	SOP-8 MSOP-8
CA9512	2.3 to 5.5	2.3 to 5.5	1M	2	0	Hot-swappable FM+ I2C/SMBus Buffer with Level Shifting	MSOP-8
CA9617	0.8 to 5.5	2.2 to 5.5	1M	2	1	Level Translating FM+ I2C-bus Repeater	SOP-8 MSOP-8 DFN2X3-8

PN	VCCA (V)	VCCB(V)	DIR Ctrl	CH	Description	Package
CAG92102F	0 to 5	0 to 5	AUTO	2bit	2-Bit Bidirectional Voltage-Level Translator with Auto-Direction Sensing for Open-Drain and Push-Pull Applications	MSOP-8 DFN3X4-8 VSSOP-8
CAG94204F	0 to 5	0 to 5	AUTO	4bit	4-Bit Bidirectional Voltage-Level Translator with Auto-Direction Sensing for Open-Drain and Push-Pull Applications	TSSOP-14 QFN2X1.7-12
CAG98108F	0 to 5	0 to 5	AUTO	8bit	8-Bit Bidirectional Voltage-Level Translator with Auto-Direction Sensing for Open-Drain and Push-Pull Applications	TSSOP-20
CAG92102S	1.65 to 3.6	2.3 to 5.5	AUTO	2bit	2-Bit Bidirectional Voltage-Level Translator with Auto-Direction Sensing for Open-Drain and Push-Pull Applications	VSSOP-8
CAG94104S	1.65 to 3.6	2.3 to 5.5	AUTO	4bit	4-Bit Bidirectional Voltage-Level Translator with Auto-Direction Sensing for Open-Drain and Push-Pull Applications	TSSOP-14
CAG98108S	1.65 to 3.6	2.3 to 5.5	AUTO	8bit	8-Bit Bidirectional Voltage-Level Translator with Auto-Direction Sensing for Open-Drain and Push-Pull Applications	TSSOP-14
CAG94014G	3 to 3.6	0.5 to VCC/2	DIR	4bit	4-bit LVTTTL to GTL Transceiver	TSSOP-14
CA9306	1.2 to 3.3	1.8 to 5.5	AUTO	2bit	Dual Bidirectional I2C Bus and SMBus Voltage-Level Translator	MSOP-8 VSSOP-8
CA99306	0.9 to 3.3	1.8 to 5.5	AUTO	2bit	Dual Bidirectional I3C Bus and SMBus Voltage-Level Translator	SOT23-8 VSSOP-8
CAG94304B	0.9 to 3.6	0.9 to 3.6	AUTO	4bit	4-bit Bidirectional Auto-direction Sensing Translator	QFN2x1.7-12
CAG94774L	1.1 to 3.6	1.1 to 3.6	DIR	4bit	4-Bit Dual Supply Bus Transceiver with Independent Direction Control	TSSOP-16

PN	FXS Port	Interface	Vbat	Package
CLE2171	1	PCM+SPI	-100V	QFN 5x7-39
CLE2171V	1	PCM+SPI / 4 wire interface	-100V	QFN 5x6-41
CLE2191	1	3 wire SSI	-100V	QFN 4x6-38
CLE2101	1	4 wire SSI	-100V	QFN 5x6-41
CLE2291	2	3 wire SSI	-100V	QFN 8x8-68
CLE2280	2	3 wire SSI	-100V	QFN 7x7-68

内存条模组 SPD Hub 芯片
SPD Hub for DDR4/DDR5 Module

PN	DDR	VCC (V)	Interface	EEPROM Size	Temp Accuracy	Package
CT7524	DDR4	2.2V to 3.6V	I2C/SMBus	4K bits	±1°C (75°C to 95°C)	DFN 2x3-8
CT7528	DDR5	I/O: 1V Core: 1.8V	I3C	8K bits	±1°C	DFN 2x3-8

安全认证芯片
Security Authenticators

PN	Input Voltage(V)	Interface	EEPROM	Security Memory	HMAC Algorithm	ESD(KV)	Description	Package
CSA2815	1.8 to 3.3	1-Wire	0.5kbits	Authentication Mode+ Write and Read Protect	SHA-256	±8kV HBM	Authentication of Network-Attached Appliances ; Reference Design License Management ; System Intellectual Property Protection ; Secure Feature Setting for Configurable Systems	TDFN TSOC

单线存储芯片
Single-Wire EEPROM



PN	Input Voltage(V)	Interface	EEPROM	Counter	Identification ID	ESD(KV)	Description	Package
CSA2431	2.8 to 5.25	1-Wire	1kbits	17bits One-Time Settable Decrement-Only Counter	64bits	±8kV Contact, ±15kV Air	Accessory/PCB Identification ; Medical Sensor Calibration Data Storage ; Ink and Toner Print Cartridge Identification ; After-Market Management of Consumables	SFN TDFN TSOC

ID 识别芯片
ID Identification

PN	Input Voltage(V)	Interface	EEPROM	Security Memory	ESD(KV)	Description	Package
CSA2401/11	2.5 to 5.5	1-Wire	None	64bits ID	±8kV Contact, ±15kV Air	Accessory/Peripheral Identification Network-Node Identification PCB Identification	SOT-23 TSOC TO-92