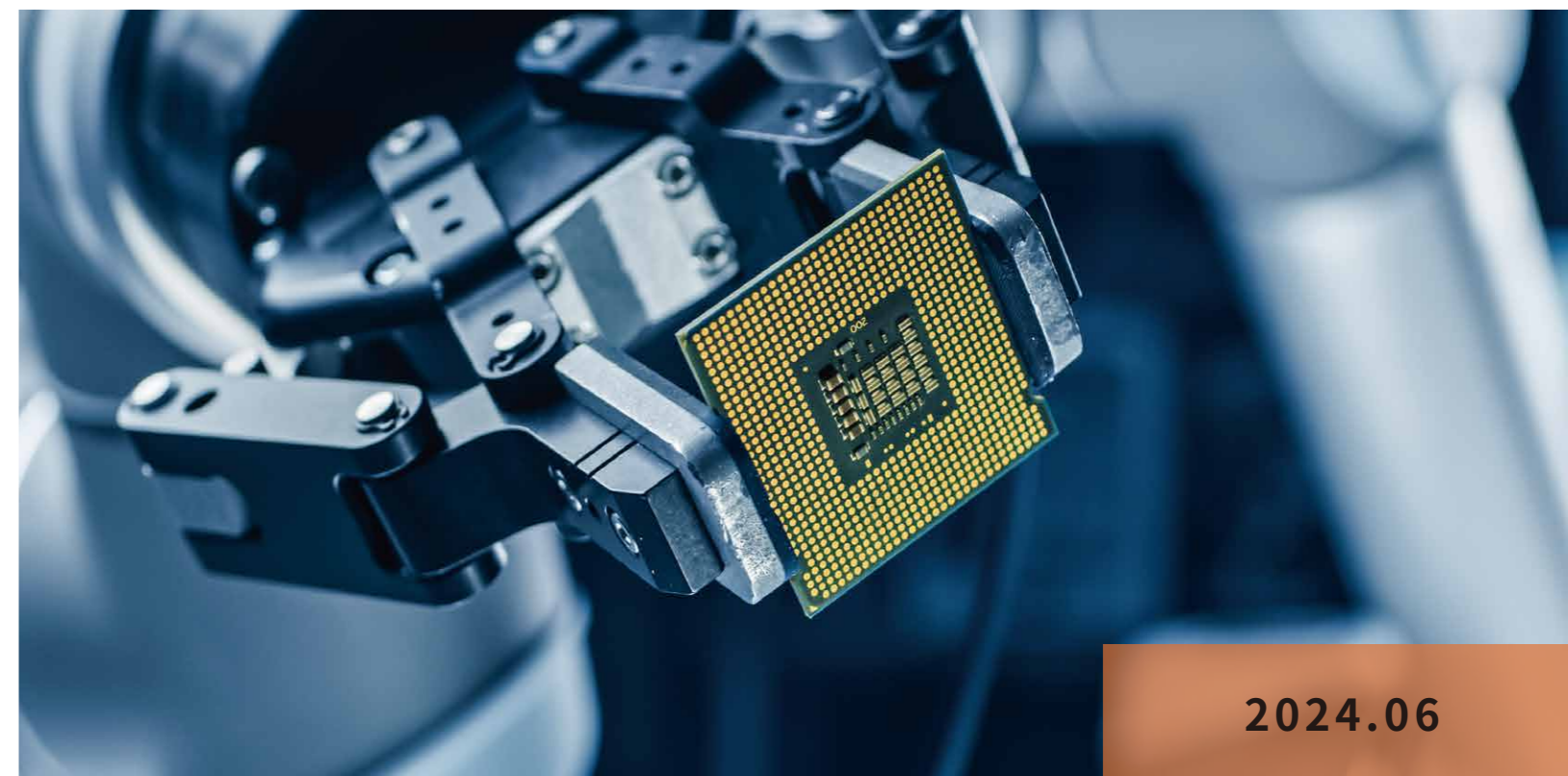




用芯打造精彩世界！



2024.06

# 产品选型手册

## Product Selection Guide

Ver:1.2 (2024.06)



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### Wuxi

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江苏谷泰微电子有限公司  
Jiangsu Gtic Microelectronics Co.,Ltd.

# 关于谷泰微

About GTIC

江苏谷泰微电子有限公司是一家集研发与销售为一体的芯片公司，公司致力于模拟芯片及信号链芯片领域的产品设计与销售，尤其在高采样率、高精度、多通道模数混合信号芯片方向具有一定的技术积累与优势。

公司拥有丰富多样的模拟芯片产品，主要包括模数转换器、数模转换器、模拟开关、运算放大器、仪表放大器、差分放大器、电源管理、接口芯片、标准逻辑器件等。

公司总部位于江苏无锡，在深圳设有市场、销售及技术服务中心。公司凭借卓越的产品性能、高效的技术服务、积极的客户响应等特点，在国内外形成了一套健全的市场销售管理和技术服务体系。

公司建立了一支具备自主创新能力、专业高效、高素质高学历的研发团队，团队核心人员均来自国内外知名芯片公司，具有丰富的产品开发经验和过硬的技术能力。公司所有产品皆为自主研发，拥有百分百知识产权。人才是企业进步的基石，公司高度注重人才培养与引进，并与南开大学共建“联合实验室”，为公司不断注入高素质人才，提升公司创新能力，提供贴近客户及满足市场需求的产品。

我们始终坚持以“顺应大道，链接全球，技术为先，成就你我”作为公司的核心价值观。同时聚焦市场需求，专注技术创新，不断推出高品质、高性能、高可靠性的产品，携手客户推动中国芯走向全球。



- A fabless company, devoted to Research, Development and Sale of high-precision signal chain chips .
- Excel in high-precision, high-sampling-rate, dense-integration and multiple-channel signal chain chips.
- Focus on the technology innovation and put high priority on the intellectual property protection.
- Headquarter in Wuxi, other branches including market sale and technology service center in Shenzhen, Taiwan and Asian countries.
- Products include AD/DA converter, instrumentation/operation amplifier, Analog Front-End chip and customer-specified chips .
- Widely used in industry automatic control, electric vehicle, measurement equipment, health device, etc.

# 企业文化

corporate culture

## 价值观

顺应大道，链接全球，技术为先，成就你我

Follow TAO, Link Globe, Lead Technology, Fulfill You.

## 使命

用芯打造精彩世界

Creating a wonderful world with GTIC chips.

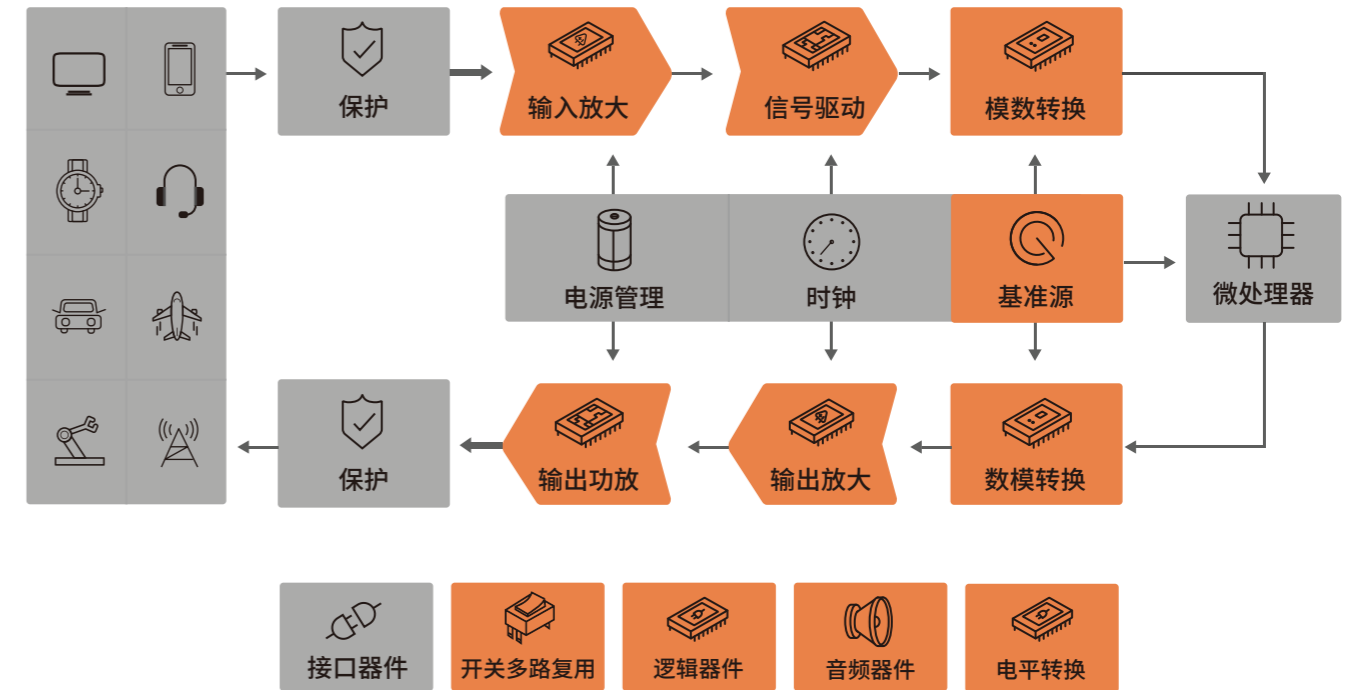
## 愿景

做模拟精密信号链的世界级原厂

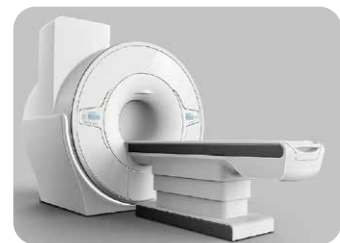
Aim for a leading fabless company in signal chain.

# 模拟信号链芯片

Analog Signal Chain Chip



产品广泛应用于工业控制、测试测量、智能汽车、再生新能源、智能制造、智能建筑、环境环保、数字健康医疗、智能可穿戴等产业领域。



This product is widely used in industrial control, testing and measurement, smart automobiles, renewable energy, intelligent manufacturing, smart buildings, environmental protection, digital health care, smart wearables, and other industrial sectors.

## 荣誉 Honor

### 江苏省民营科技企业、高新技术企业、与南开大学共建联合实验室

Jiangsu Private Science & Technology Enterprise, High tech enterprises and Jointly building a joint laboratory with Nankai University.



## 认证 Authentication

### 通过ISO9001:2015体系认证,权威机构检测认证

Certified by ISO9001:2015 system and certified by authoritative institutions.



## 证书 Certificate

### 专利证书19项, 受理中专利41项, 集成电路布图81项, 软件著作权证书1项

19 patent certificates, 41 pending patents, 81 integrated circuit layouts, and 1 software copyright certificate.



## 目录 Catalogue

- 低压通用运算放大器 ..... 7  
(Low Voltage General-Purpose OPAs)
- 高压通用运算放大器 ..... 7  
(High Voltage General-Purpose OPAs)
- 高速运算放大器 ..... 8  
(High Speed OPAs)
- 精密运算放大器 ..... 8  
(Precision OPAs)
- 低压低噪声运算放大器 ..... 9  
(Low Voltage Low Noise OPAs)
- 电流检测放大器 ..... 9  
(Current Detection Amplifiers)
- 通用比较器 ..... 9  
(General Comparators)
- 电平转换器-固定方向 ..... 10  
(Voltage Translation without Direction-Control)
- 电平转换器-控制双向 ..... 10  
(Voltage Translation with Direction-Control)
- 电平转换器-自动双向 ..... 10  
(Voltage Translation with Auto Direction-Control)
- 逻辑门-与门、与非门 ..... 11  
(Logic Gates - AND Gates, NAND Gates)
- 逻辑门-或门、或非门 ..... 11  
(Logic Gates - OR Gates, OR NOT Gates)
- 逻辑门-(异或)门、(异或非)门、可配置多功能门 ..... 11  
(Logic Gates - XOR Gates, XOR Non Gates, Configurable Multifunctional Gates)
- 逻辑-缓冲器 ..... 12  
(Logic - Buffers)
- 逻辑-反相器 ..... 12  
(Logic - Inverters)
- 逻辑-收发器、触发器、缓存器、寄存器 ..... 12  
(Logic - Transceivers, Triggers, Latches, Registers)
- 逻辑-编码器、解码器、多路复用器 ..... 13  
(Logic - Encoders, Decoders, Multiplexers)
- 模拟开关 ..... 13  
(Analog Switches)
- USB开关/音频开关 ..... 13  
(USB Switches/Audio Switches)

**▶ 低压通用运算放大器 (Low Voltage General-Purpose OPAs)**

Product Name	Description	Channel	Vin(V) Range	Iq/CH	VOS max@25°C	GBW (MHz)	Slew Rate (V/us)	Package	Cross Reference
<b>GTV321</b>	Low-Voltage, Low-power, Rail-to-Rail I/O	1	2.5-5.5	90μA	±4mV	1M	0.7	SOP8,SC70-5 SOT23-5,MSOP8	LMV321
<b>GTV358</b>	Low-Voltage, Low-power, Rail-to-Rail I/O	2	2.5-5.5	90μA	±4mV	1M	0.7	SOP8,TSSOP8,MSOP8 DFN2x2-8L,DFN3x3-8L	LMV358
<b>GTV324</b>	Low-Voltage, Low-power, Rail-to-Rail I/O	4	2.5-5.5	90μA	±4mV	1M	0.7	SOP14,TSSOP14	LMV324
<b>GTV621</b>	Low-Voltage, Low-power, Rail-to-Rail I/O	1	2.5-5.5	700μA	±4mV	6.5M	2.9	SOP8,SC70-5 SOT23-5,MSOP8	--
<b>GTV622</b>	Low-Voltage, Low-power, Rail-to-Rail I/O	2	2.5-5.5	700μA	±4mV	6.5M	2.9	SOP8,TSSOP8 MSOP8	--
<b>GTV624</b>	Low-Voltage, Low-power, Rail-to-Rail I/O	4	2.5-5.5	700μA	±4mV	6.5M	2.9	SOP14,TSSOP14	--
<b>GTV721</b>	Low-Voltage, Low-power, Rail-to-Rail I/O	1	2.2-5.5	635μA	±4mV	13M	6.5	SOP8,SC70-5 SOT23-5,MSOP8	--
<b>GTV722</b>	Low-Voltage, Low-power, Rail-to-Rail I/O	2	2.2-5.5	635μA	±4mV	13M	6.5	SOP8,MSOP8	--
<b>GTV724</b>	Low-Voltage, Low-power, Rail-to-Rail I/O	4	2.2-5.5	635μA	±4mV	13M	6.5	SOP14,TSSOP14	--
<b>GT8391</b>	Low-Voltage, Low-power, Rail-to-Rail I/O	1	2.2-5.5	2mA	±2.5mV	28M	9	SOP8,SC70-5 SOT23-5,MSOP8	--
<b>GT8392</b>	Low-Voltage, Low-power, Rail-to-Rail I/O	2	2.2-5.5	2mA	±2.5mV	28M	9	SOP8,TSSOP8,MSOP8 DFN2x2-8L,DFN3x3-8L	--
<b>GT8394</b>	Low-Voltage, Low-power, Rail-to-Rail I/O	4	2.2-5.5	2mA	±2.5mV	28M	9	SOP14,TSSOP14	--

**▶ 高压通用运算放大器 (High Voltage General-Purpose OPAs)**

Product Name	Description	Channel	Vin(V) Range	Iq/CH	VOS max@25°C	GBW (MHz)	Slew Rate (V/us)	Package	Cross Reference
<b>GT321</b>	Quad 1MHz 36V General Purpose OPAMP	1	3-36	117uA	±3mV	1M	1V/uS	SOT23-5,SOP8 SC70-5,MSOP8	LM321
<b>GT358</b>	Quad 1MHz 36V General Purpose OPAMP	2	3-36	117uA	±3mV	1M	1V/uS	SOP8,TSSOP8,MSOP8 DFN2x2-8L,DFN3x3-8L	LM358
<b>GT324</b>	Quad 1MHz 36V General Purpose OPAMP	4	3-36	117uA	±3mV	1M	1V/uS	SOP14,TSSOP14	LM324
<b>* GT8451</b>	Quad 5MHz 36V General Purpose OPAMP	1	5-36	2.75mA	±3mV	5M	5V/uS	SOT23-5,SC70-5	RS8421
<b>* GT8452</b>	Quad 5MHz 36V General Purpose OPAMP	2	5-36	2.75mA	±3mV	5M	5V/uS	SOP8,MSOP8	RS8422
<b>* GT8454</b>	Quad 5MHz 36V General Purpose OPAMP	4	5-36	2.75mA	±3mV	5M	5V/uS	SOP14,TSSOP14	RS8424
<b>* GT8461</b>	Dual 25V/sqrt 36V Low-noise OPAMP	1	5-36	5mA	±3mV	10M	8V/uS	SOT23-5,SC70-5	RS8451 SGM8425
<b>* GT8462</b>	Dual 25V/sqrt 36V Low-noise OPAMP	2	5-36	5mA	±3mV	10M	8V/uS	SOP8,MSOP8	RS8452 SGM8426
<b>* GT8464</b>	Dual 25V/sqrt 36V Low-noise OPAMP	4	5-36	5mA	±3mV	10M	8V/uS	SOP14,TSSOP14	RS8454 SGM8428

\* Please Contact Our Sales Office For More Details

**▶ 高速运算放大器 (High Speed OPAs)**

Product Name	Description	Channel	Vin(V) Range	Iq/CH	VOS max@25°C	GBW (MHz)	Slew Rate (V/us)	Package	Cross Reference
<b>GT8021</b>	High Precision, Low-Offset,Low-input bias current,Low noise,High Slew Rate	1	2.5-5.5	3mA	±6.5mV	50MHz	75V/μs	SOT23-5,SOP8 MSOP8,SC70-5	RS8701 SGM8965-1
<b>GT8022</b>	High Precision, Low-Offset,Low-input bias current,Low noise,High Slew Rate	2	2.5-5.5	3mA	±6.5mV	50MHz	75V/μs	SOP8,MSOP8 DFN2x2-8L	RS8702 SGM8965-2
<b>GT8024</b>	High Precision, Low-Offset,Low-input bias current,Low noise,High Slew Rate	4	2.5-5.5	3mA	±6.5mV	50MHz	75V/μs	SOP14,TSSOP14	RS8704
<b>GT8051</b>	High Precision, Low-Offset,Low-input bias current,Low noise,High Slew Rate	1	2.5-5.5	3.1mA	±7.5mV	250MHz	180V/μs	SOT23-5,SOP8 MSOP8,SC70-5	AD8051 RS8751
<b>GT8052</b>	High Precision, Low-Offset,Low-input bias current,Low noise,High Slew Rate	2	2.5-5.5	3.1mA	±7.5mV	250MHz	180V/μs	SOP8,MSOP8 DFN2x2-8L	AD8052 RS8752
<b>GT8054</b>	High Precision, Low-Offset,Low-input bias current,Low noise,High Slew Rate	4	2.5-5.5	3.1mA	±7.5mV	250MHz	180V/μs	SOP14,TSSOP14	AD8054 RS8754
<b>GT8071</b>	High Precision, Low-Offset,Low-input bias current,Low noise,High Slew Rate	1	2.5-5.5	8.1mA	±8.5mV	500MHz	420V/μs	SOT23-5,SOP8 MSOP8,SC70-5	SGM8061 RS8761
<b>GT8072</b>	High Precision, Low-Offset,Low-input bias current,Low noise,High Slew Rate	2	2.5-5.5	8.1mA	±8.5mV	500MHz	420V/μs	SOP8,MSOP8 DFN2x2-8L	SGM8062 RS8762
<b>GT8074</b>	High Precision, Low-Offset,Low-input bias current,Low noise,High Slew Rate	4	2.5-5.5	8.1mA	±8.5mV	500MHz	420V/μs	SOP14,TSSOP14	RS8764

**▶ 精密运算放大器 (Precision OPAs)**

Product Name	Description	Channel	Vin(V) Range	Iq/CH	VOS max@25°C	GBW (MHz)	Slew Rate (V/us)	Package	Cross Reference
<b>GT8501</b>	High Precision, Low-Offset,Low-input bias current,Low noise,High Slew Rate	1	2.5-5.5	7μA	±40μV	45K	60V/ms	SOT23-5,SOP8 MSOP8,SC70-5	RS8501 TP5511
<b>GT8502</b>	High Precision, Low-Offset,Low-input bias current,Low noise,High Slew Rate	2	2.5-5.5	7μA	±40μV	45K	60V/ms	SOP8,MSOP8	RS8502 TP5512
<b>GT8504</b>	High Precision, Low-Offset,Low-input bias current,Low noise,High Slew Rate	4	2.5-5.5	7μA	±40μV	45K	60V/ms	SOP14,TSSOP14	RS8504 TP5514
<b>GT8521</b>	High Precision, Low-Offset,Low-input bias current,Low noise,High Slew Rate	1	1.8-5.5	21uA	±8μV	350K	0.27V/μs	SOT23-5,SOP8 MSOP8,SC70-5	OPA330 TP5531,RS8511
<b>GT8522</b>	High Precision, Low-Offset,Low-input bias current,Low noise,High Slew Rate	2	1.8-5.5	21uA	±8μV	350K	0.27V/μs	SOP8,MSOP8	OPA330 TP5532,RS8512
<b>GT8524</b>	High Precision, Low-Offset,Low-input bias current,Low noise,High Slew Rate	4	1.8-5.5	21uA	±8μV	350K	0.27V/μs	SOP14,TSSOP14	OPA330 TP5534,RS8514
<b>GT8531</b>	High Precision, Low-Offset,Low-input bias current,Low noise,High Slew Rate	1	2.3-5.5	70μA	±8μV	2M	0.8V/μs	SOT23-5,SOP8 MSOP8,SC70-5	RS8538
<b>GT8532</b>	High Precision, Low-Offset,Low-input bias current,Low noise,High Slew Rate	2	2.3-5.5	70μA	±8μV	2M	0.8V/μs	SOP8,MSOP8	RS8539
<b>GT8534</b>	High Precision, Low-Offset,Low-input bias current,Low noise,High Slew Rate	4	2.3-5.5	70μA	±8μV	2M	0.8V/μs	SOP14,TSSOP14	--
<b>GT8551</b>	High Precision, Low-Offset,Low-input bias current,Low noise,High Slew Rate	1	2.5-5.5	190μA	±8μV	6M	2.5V/μs	SOT23-5,SOP8 MSOP8,SC70-5	SGM8551 RS8551,TPA5551
<b>GT8552</b>	High Precision, Low-Offset,Low-input bias current,Low noise,High Slew Rate	2	2.5-5.5	190μA	±8μV	6M	2.5V/μs	SOP8,MSOP8	SGM8552 RS8552,TPA5552
<b>GT8554</b>	High Precision, Low-Offset,Low-input bias current,Low noise,High Slew Rate	4	2.5-5.5	190μA	±8μV	6M	2.5V/μs	SOP14,TSSOP14	SGM8554 RS8554,TPA5554
<b>GT8561</b>	High Precision, Low-Offset,Low-input bias current,Low noise,High Slew Rate	1	2.7-5.5	720μA	±5μV	17M	9V/μs	SOT23-5,SOP8 MSOP8,SC70-5	TPA5581 RS8561
<b>GT8562</b>	High Precision, Low-Offset,Low-input bias current,Low noise,High Slew Rate	2	2.7-5.5	720μA	±5μV	17M	9V/μs	SOP8,MSOP8	TPA5582 RS8562
<b>GT8564</b>	High Precision, Low-Offset,Low-input bias current,Low noise,High Slew Rate	4	2.7-5.5	720μA	±5μV	17M	9V/μs	SOP14,TSSOP14	TPA5584 RS8564
<b>GT8571</b>	High Precision, Low-Offset,Low-input bias current,Low noise,High Slew Rate	1	2.9-5.5	1300μA	±15μV	24M	16V/μs	SOT23-5,SOP8 MSOP8,SC70-5	--
<b>GT8572</b>	High Precision, Low-Offset,Low-input bias current,Low noise,High Slew Rate	2	2.9-5.5	1300μA	±15μV	24M	16V/μs	SOP8,MSOP8	--
<b>GT8574</b>	High Precision, Low-Offset,Low-input bias current,Low noise,High Slew Rate	4	2.9-5.5	1300μA	±15μV	24M	16V/μs	SOP14,TSSOP14	--

**▶ 低压低噪声运算放大器 (Low Voltage Low Noise OPAs)**

Product Name	Description	Channel	Vin(V) Range	Iq/CH	VOS max@25°C	GBW (MHz)	ENOISE @1kHz	Package	Cross Reference
* <b>GT721</b>	Low-Voltage, Low-Noise, Rail-to-Rail I/O	1	2.7-5.5	1.16mA	±2.5mV	14M	13nV/√Hz	SOT23-5,SOP8 MSOP8,SC70-5	LMV721 RS721
* <b>GT722</b>	Low-Voltage, Low-Noise, Rail-to-Rail I/O	2	2.7-5.5	1.16mA	±2.5mV	14M	13nV/√Hz	SOP8,MSOP8	LMV722 RS722
* <b>GT724</b>	Low-Voltage, Low-Noise, Rail-to-Rail I/O	4	2.7-5.5	1.16mA	±2.5mV	14M	13nV/√Hz	SOP14,TSSOP14	LMV724 RS724
* <b>GT821</b>	Low-Voltage, Low-Noise, Rail-to-Rail I/O	1	2.7-5.5	1.6mA	±2mV	20M	10nV/√Hz	SOT23-5,SOP8 MSOP8,SC70-5	RS821
* <b>GT822</b>	Low-Voltage, Low-Noise, Rail-to-Rail I/O	2	2.7-5.5	1.6mA	±2mV	20M	10nV/√Hz	SOP8,MSOP8	RS822
* <b>GT824</b>	Low-Voltage, Low-Noise, Rail-to-Rail I/O	4	2.7-5.5	1.6mA	±2mV	20M	10nV/√Hz	SOP14,TSSOP14	RS824

\* Please Contact Our Sales Office For More Details

**▶ 电流检测放大器 (Current Detection Amplifiers)**

Product Name	Description	Channel	Vin(V) Range	Iq/CH	Gain	GBW (MHz)	Package	Cross Reference
<b>GT216-A1</b>	Low-Voltage, Low-power, Rail-to-Rail I/O	1	1.8-5.5	24uA	25V/V	20K	QFN10-1.4*1.8-10L	INA216-A1
<b>GT216-A2</b>	Low-Voltage, Low-power, Rail-to-Rail I/O	1	1.8-5.5	24uA	50V/V	10K	QFN10-1.4*1.8-10L	INA216-A2
<b>GT216-A3</b>	Low-Voltage, Low-power, Rail-to-Rail I/O	1	1.8-5.5	24uA	100V/V	5K	QFN10-1.4*1.8-10L	INA216-A3
<b>GT216-A4</b>	Low-Voltage, Low-power, Rail-to-Rail I/O	1	1.8-5.5	24uA	200V/V	2.5K	QFN10-1.4*1.8-10L	INA216-A4
<b>GT199-A1</b>	Voltage Output,Low- or High-Side Measurement,Bidirectional,Zero-Drift Series,Current-Shunt Monitors	1	2.7-26	100μA	50V/V	120K	SC70-6,SOT23-6	INA213 INA199-A1
<b>GT199-A2</b>	Voltage Output,Low- or High-Side Measurement,Bidirectional,Zero-Drift Series,Current-Shunt Monitors	1	2.7-26	100μA	75V/V	80K	SC70-6,SOT23-6	INA215 INA199-A2
<b>GT199-A3</b>	Voltage Output,Low- or High-Side Measurement,Bidirectional,Zero-Drift Series,Current-Shunt Monitors	1	2.7-26	100μA	100V/V	60K	SC70-6,SOT23-6	INA214 INA199-A3
<b>GT199-A4</b>	Voltage Output,Low- or High-Side Measurement,Bidirectional,Zero-Drift Series,Current-Shunt Monitors	1	2.7-26	100μA	200V/V	33K	SC70-6,SOT23-6	INA210
<b>GT199-A5</b>	Voltage Output,Low- or High-Side Measurement,Bidirectional,Zero-Drift Series,Current-Shunt Monitors	1	2.7-26	100μA	500V/V	12K	SC70-6,SOT23-6	INA211
<b>GT199-A6</b>	Voltage Output,Low- or High-Side Measurement,Bidirectional,Zero-Drift Series,Current-Shunt Monitors	1	2.7-26	100μA	1000V/V	6K	SC70-6,SOT23-6	INA212

**▶ 通用比较器 (General Comparators)**

Product Name	Description	Channel	Vin(V) Range	Iq/CH	VOS max@25°C	TPH H - L VS=5V	TPL L - H VS=5V	Package	Cross Reference
<b>GT331</b>	Low-Voltage Open-Drain Output Comparator	1	1.8-5.5	48uA	1.1mV	165ns	53ns	SOT23-5	RS331
<b>GT393</b>	Low-Voltage Open-Drain Output Comparator	2	1.8-5.5	48uA	1.1mV	165ns	53ns	MSOP8,SOP8	RS393
<b>GT339</b>	Low-Voltage Open-Drain Output Comparator	4	1.8-5.5	48uA	1.1mV	165ns	53ns	SOP14,TSSOP14	RS339

**▶ 电平转换器-固定方向 (Voltage Translation without Direction-Control)**

Product Name	Description	Channel	Vref_A (V)	Vref_B (V)	Max Data (Mbps)	Output type	Package	Cross Reference
<b>GT XU0101</b>	Single-Bit Fixed Direction Voltage-Level Translator with Schmitt-Trigger Inputs and 3-State Outputs	1	1.65-5.5	1.65-5.5	200M	3-State	SOT23-6	TXU0101
<b>GT XU0102</b>	Dual-Bit Fixed Direction Voltage-Level Translator with Schmitt-Trigger Inputs and 3-State Outputs	2	1.65-5.5	1.65-5.5	200M	3-State	VSSOP8	TXU0102
<b>GT XU0104</b>	4-Bit Fixed Direction Voltage-Level Translator with Schmitt-Trigger Inputs and 3-State Outputs	4	1.65-5.5	1.65-5.5	200M	3-State	TSSOP14	TXU0104
<b>GT XU0202</b>	Dual-Bit Fixed Direction Voltage-Level Translator with Schmitt-Trigger Inputs and 3-State Outputs	2	1.65-5.5	1.65-5.5	200M	3-State	VSSOP8	TXU0202
<b>GT XU0204</b>	4-Bit Fixed Direction Voltage-Level Translator with Schmitt-Trigger Inputs and 3-State Outputs	4	1.65-5.5	1.65-5.5	200M	3-State	TSSOP14	TXU0204
<b>GT XU0304</b>	4-Bit Fixed Direction Voltage-Level Translator with Schmitt-Trigger Inputs and 3-State Output	4	1.65-5.5	1.65-5.5	200M	3-State	TSSOP14	TXU0304

**▶ 电平转换器-自动双向 (Voltage Translation with Auto Direction-Control)**

Product Name	Description	Channel	Vref_A (V)	Vref_B (V)	Max Data (Mbps)	Output type	Package	Cross Reference
<b>GT0101</b>	1-BIT Bidirectional Voltage-Level Translator for Open-Drain and Push-Pull	1	1.65-3.6	2.3-5.5	24M,2M	Push-Pull Open-Drain	SC70-6,SOT23-6 DFN1.45*1-6L	TXS0101 RS0101
<b>GT0102</b>	2-BIT Bidirectional Voltage-Level Translator for Open-Drain and Push-Pull	2	1.65-3.6	2.3-5.5	24M,2M	Push-Pull Open-Drain	SOT23-8,DFN-1.4*1-8L VSSOP8	TXS0102 RS0102
<b>GT0104</b>	4-BIT Bidirectional Voltage-Level Translator for Open-Drain and Push-Pull	4	1.65-3.6	2.3-5.5	24M,2M	Push-Pull Open-Drain	QFN2.0*1.7-10L,QFN2*2-12L QFN3.5*3.5-14L,TSSOP-14	TXS0104 RS0104
<b>GT0108</b>	8-BIT Bidirectional Voltage-Level Translator for Open-Drain and Push-Pull	8	1.65-3.6	2.3-5.5	24M,2M	Push-Pull Open-Drain	QFN3*3-20L TSSOP20	TXS0108 RS0108

**▶ 电平转换器-控制双向 (Voltage Translation with Direction-Control)**

Product Name	Description	Channel	Vref_A (V)	Vref_B (V)	Max Data (Mbps)	Output type	Package	Cross Reference
<b>GT74LVC1T45</b>	Single-bit Dual-Supply Bus Transceiver with Voltage Translation	1	1.65-5.5	1.65-5.5	200	Push-Pull	SC70-6,SOT23-6	SN74LVC1T45
<b>GT74LVC2T45</b>	Dual-bit Dual-Supply Bus Transceiver with Voltage Translation	2	1.65-5.5	1.65-5.5	200	Push-Pull	VSSOP8	SN74LVC2T45
<b>GT74LVC4T245</b>	4-bit Dual-Supply Bus Transceiver with Voltage Translation	4	1.65-5.5	1.65-5.5	200	Push-Pull	TSSOP16	SN74LVC4T245
<b>GT74LVC8T245</b>	8-Bit Dual-Supply Bus Transceiver with Voltage Translation	8	1.65-5.5	1.65-5.5	200	Push-Pull	SOP24,TSSOP24	SN74LVC8T245

▶ 逻辑门-与门、与非门 (Logic Gates - AND Gates, NAND Gates)

Product Name	Description	Channel	V <sub>cc</sub> (V) Range	Logic switching levels	Package	Cross Reference
GT74LVC1G08	Low Power Consumption, Single 2-Input Positive-AND Gate	1	1.65-5.5	CMOS	SOT23-5,SC70-5	SN74LVC1G08
GT74LVC2G08	Low Power Consumption, Dual 2-Input Positive-AND Gate	2	1.65-5.5	CMOS	VSSOP8,SOP8	SN74LVC2G08
GT74LVC08A	Quadruple 2-Input Positive-AND Gate	4	1.65-5.5	CMOS	SOP14,TSSOP14	SN74LVC08A
GT74LVC1G11	Low Power Consumption, Single 3-Input Positive-AND Gate	1	1.65-5.5	CMOS	SOT23-6,SC70-6	SN74LVC1G11
GT74LVC1G00	Single 2-Input Positive-NAND Gate	1	1.65-5.5	CMOS	SOT23-5,SC70-5	SN74LVC1G00
GT74LVC2G00	Low Power Consumption, Dual 2-Input Positive-NAND Gate	2	1.65-5.5	CMOS	VSSOP8,SOP8	SN74LVC2G00
GT74LVC00A	Low Power Consumption, Quadruple 2-Input Positive-NAND Gate	4	1.65-5.5	CMOS	SOP14,TSSOP14	SN74LVC00A
GT74LVC1G10	Low Power Consumption, Single 3-Input Positive-NAND Gate	1	1.65-5.5	CMOS	SOT23-6,SC70-6	SN74LVC1G10

▶ 逻辑门-或门、或非门 (Logic Gates - OR Gates, OR NOT Gates)

Product Name	Description	Channel	V <sub>cc</sub> (V) Range	Logic switching levels	Package	Cross Reference
GT74LVC1G32	Low Power Consumption, Single 2-Input Positive-OR Gate	1	1.65-5.5	CMOS	SOT23-5,SC70-5	SN74LVC1G32
GT74LVC2G32	Low Power Consumption, Dual 2-Input Positive-OR Gate	2	1.65-5.5	CMOS	VSSOP8,SOP8	SN74LVC2G32
GT74LVC32	Quadruple 2-Input Positive-OR Gate	4	1.65-5.5	CMOS	SOP14,TSSOP14	SN74LVC32
GT74LVC1G332	Low Power Consumption, Single 3-Input Positive OR-Gate	1	1.65-5.5	CMOS	SOT23-6,SC70-6	SN74LVC1G332
GT74LVC1G02	Low Power Consumption, 2-Input Positive NOR-Gate	1	1.65-5.5	CMOS	SOT23-5,SC70-5	SN74LVC1G02
GT74LVC2G02	Low Power Consumption, Dual 2-Input Positive NOR-Gate	2	1.65-5.5	CMOS	VSSOP8,SOP8	SN74LVC2G02
GT74LVC02	Quadruple 2-Input Positive-NOR Gate	4	1.65-5.5	CMOS	SOP14,TSSOP14	SN74LVC02
GT74LVC1G27	Low Power Consumption, Single 4-Input Positive NOR-Gate	1	1.65-5.5	CMOS	SOT23-6,SC70-6	SN74LVC1G27

▶ 逻辑门-(异或)门、(异或非)门、可配置多功能门 (Logic Gates - XOR Gates, XOR Non Gates, Configurable Multifunctional Gates)

Product Name	Description	Channel	V <sub>cc</sub> (V) Range	Logic switching levels	Package	Cross Reference
GT74LVC1G86	Low Power Consumption, Single 2-Input Exclusive-OR Gate	1	1.65-5.5	CMOS	SOT23-5,SC70-5	SN74LVC1G86
GT74LVC2G86	Low Power Consumption, Dual 2-Input Exclusive-OR Gate	2	1.65-5.5	CMOS	VSSOP8,SOP8	SN74LVC2G86
GT74LVC86A	Low Power Consumption, Quadruple 2-Input Exclusive-OR Gate	4	1.65-5.5	CMOS	SOP14,TSSOP14	SN74LVC86A
GT74LVC7266	Quadruple 2-Input XNOR Gates with Schmitt-Trigger Inputs	4	1.65-5.5	CMOS	SOP14,TSSOP14	SN74LVC7266
GT74LVC1G57	Configurable Multiple-Function Gate	1	1.65-5.5	CMOS	SC70-6,SOT23-6	SN74LVC1G57

▶ 逻辑-缓冲器 (Logic - Buffers)

Product Name	Description	Channel	V <sub>cc</sub> (V) Range	Logic switching levels	Package	Cross Reference
GT74LVC1G34	Low Power Consumption, Single Buffer Gate	1	1.65-5.5	CMOS	SC70-5,SOT23-5	SN74LVC1G34
GT74LVC2G34	Low Power Consumption, Dual Buffer Gate	2	1.65-5.5	CMOS	SC70-6,SOT23-6	SN74LVC2G34
* GT74LVC1G07	Low Power Consumption, Single Buffer with Open-Drain Output	1	1.65-5.5	CMOS	SC70-5,SOT23-5	SN74LVC1G07
* GT74LVC2G07	Low Power Consumption, Dual Buffer with Open-Drain	2	1.65-5.5	CMOS	SC70-6,SOT23-6	SN74LVC2G07
* GT74LVC3G07	Low Power Consumption, Triple Buffer with Open-Drain Output	3	1.65-5.5	CMOS	VSSOP8	SN74LVC3G07
GT74LVC1G17	Single Schmitt-Trigger Buffer	1	1.65-5.5	CMOS	SC70-5,SOT23-5	SN74LVC1G17
GT74LVC2G17	Dual Schmitt-Trigger Buffer	2	1.65-5.5	CMOS	SC70-6,SOT23-6	SN74LVC2G17
GT74LVC1G125	Single Bus Buffer Gate With 3-State Output	1	1.65-5.5	CMOS	SC70-5,SOT23-5	SN74LVC1G125
GT74LVC2G125	Single Bus Buffer Gate With 3-State Output	2	1.65-5.5	CMOS	VSSOP8	SN74LVC2G125
GT74LVC125	Quadruple Bus Buffer Gate With 3-State Output	4	1.65-5.5	CMOS	SOP14,TSSOP14	SN74LVC125
GT74LVC244	Octal Buffer With 3-State Output	8	1.65-5.5	CMOS	TSSOP20	SN74LVC244

▶ 逻辑-反相器 (Logic - Inverters)

Product Name	Description	Channel	V <sub>cc</sub> (V) Range	Logic switching levels	Package	Cross Reference
GT74LVC1G04	Low Power Consumption, Single Inverter Gate	1	1.65-5.5	CMOS	SC70-5,SOT23-5	SN74LVC1G04
GT74LVC2G04	Low Power Consumption, Dual Inverter Gate	2	1.65-5.5	CMOS	SC70-6,SOT23-6	SN74LVC2G04
GT74LVC3G04	Low Power Consumption, Triple Inverter Gate	3	1.65-5.5	CMOS	VSSOP8	SN74LVC3G04
GT74LVC1G14	Single Schmitt-Trigger Inverte	1	1.65-5.5	CMOS	SC70-5,SOT23-5	SN74LVC1G14
GT74LVC2G14	Dual Schmitt-Trigger Inverte	2	1.65-5.5	CMOS	SC70-6,SOT23-6	SN74LVC2G14
GT74LVC3G14	Triple Schmitt-Trigger Inverte	3	1.65-5.5	CMOS	VSSOP8	SN74LVC3G14
GT74LVC6G14	6 channel Schmitt-Trigger Inverte	6	1.65-5.5	CMOS	SOP14,TSSOP14	SN74LVC6G14
GT74LVC240	Octal Inverting Line Drivers With Schmitt-Trigger Inputs and 3-State Outputs	8	1.65-5.5	CMOS	TSSOP20	SN74LVC240

▶ 逻辑-收发器、触发器、锁存器、寄存器 (Logic - Transceivers, Triggers, Latches, Registers)

Product Name	Description	Channel	V <sub>cc</sub> (V) Range	Logic switching levels	Package	Cross Reference
GT74LVC2245	Octal Bus Transceiver with 3-State Outputs	8	1.65-5.5	CMOS	TSSOP20	SN74LVC2245
GT74LVC595	8-Bit Shift Registers with 3-State Output Registers	8	1.65-5.5	CMOS	TSSOP16,SOP16	74LVC595
GT74LVC373	Transparent D-Type Latches With 3-State Outputs	8	1.65-5.5	CMOS	TSSOP20	74LVC373
GT74LVC574	Octal Edge-Triggered D-Type Flip-Flops With 3-State Outputs	8	1.65-5.5	CMOS	TSSOP20	74LVC574
GT74LVC273	Octal D-Type Flip-Flop with Schmitt-Trigger Inputs and Asynchronous Clear	8	1.65-5.5	CMOS	TSSOP20	74LVC273
* GT74LVC1G79	Low-Power Single Positive-Edge-Triggered D-Type Flip-Flop	1	1.65-5.5	CMOS	SOT23-5	74LVC1G79
GT74LVC165	8-Bit Parallel-Load Shift Registers	8	1.65-5.5	CMOS	TSSOP20	AIP74HC165

\* Please Contact Our Sales Office For More Details

▶ 逻辑-编码器、解码器、多路复用器 (Logic - Encoders, Decoders, Multiplexers)

Product Name	Description	Channel	V <sub>cc</sub> (V) Range	Logic switching levels	Package	Cross Reference
GT74LVC147	High-Speed CMOS Logic10- to 4-Line Priority Encoder	1	1.65-5.5	CMOS	SOP16,TSSOP16	SN74HC147
GT74LVC148	8-Line to 3-Line Priority Encoders	1	1.65-5.5	CMOS	SOP16,TSSOP16	SN74HC148
GT74LVC42	High-Speed BCD to Decimal Decoders(1 of 10)	1	1.65-5.5	CMOS	SOP16	SN74HC42
GT74LVC4511	BCD to 7 Segment Latch/Decoder/Drivers	1	1.65-5.5	CMOS	SOP16	SN74HC4511
GT74LVC139	High-Speed CMOS Logic Dual 2- to 4-Line Decoder/Demultiplexer	2	1.65-5.5	CMOS	SOP16,TSSOP16	SN74LVC139
GT74LVC238	High-Speed CMOS Logic3- to 8-Line Decoder/Demultiplexer	1	1.65-5.5	CMOS	SOP16,TSSOP16	SN74HC238
GT74LVC154	High-Speed CMOS Logic4- to 16-Line Decoder/Demultiplexer	1	1.65-5.5	CMOS	SOP24,TSSOP24	SN74HC154
GT74LVC157	4-Chanel 1-to-2 Data Selectors/Multiplexers With 3-State Outputs	2	1.65-5.5	CMOS	SOP16,TSSOP16	SN74LVC157
GT74LVC253	2-Chanel 1-to-4 Data Selectors/Multiplexers With 3-State Outputs	2	1.65-5.5	CMOS	SOP16,TSSOP16	SN74HC253
GT74LVC251	1-to-8 Data Selectors/Multiplexers With 3-State Outputs	1	1.65-5.5	CMOS	SOP16,TSSOP16	SN74HC251

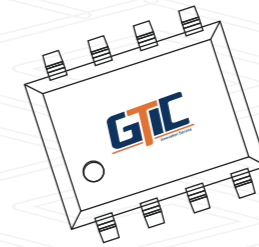
▶ 模拟开关 (Analog Switches)

Product Name	Description	Switch Config	V <sub>cc</sub> (V) Range	BW	Ron(Ω)	Package	Cross Reference
* GT4157	Low-Voltage, 300MHz 3Ω SPDT Analog Switch	SPDT	1.65-5.5	300M	3Ω	SC70-6,SOT23-6	FSA3157,SGM4157 BCT4157
* GT4899	Low-Voltage, 300MHz 3Ω SPDT Analog Switch	DPDT	1.65-5.5	480M	3Ω	QFN3x3-16L QFN1.8*2.6-16L	BCT4899,RS2299 SGM44599
GT4851	CMOS 1:8-Channel Analog Multiplexer/Demultiplexer	1: 8	1.65-5.5	380M	13Ω	SOP16,TSSOP16 QFN3x3-16L	RS2251,BCT48751 SGM48751
GT4852	Two Channel CMOS 1:4 Analog Multiplexer/Demultiplexer	1: 4	1.65-5.5	500M	13Ω	SOP16,TSSOP16 QFN3x3-16L	RS2252,BCT48752 SGM48752
GT4855	CMOS 1:4-Channel Analog Multiplexer/Demultiplexer	1: 4	1.65-5.5	380M	7Ω	MSOP10	SGM48755 RS2255

▶ USB开关/音频开关 (USB Switches/Audio Switches)

Product Name	Description	Switch Config	V <sub>cc</sub> (V) Range	BW	Ron(Ω)	Package	Cross Reference
* GT4227	High-Speed DPDT Analog Switch	DPDT	1.65-5.5	600M	7Ω	MSOP10 QFN1.8*1.4-10L	SGM7227,RS2227 GS7227,UM7227
* GT4321	USB2.0 High-Speed And Audio Switches With Negative Signal Capabality	DPDT	2.7-5.5	800M	USB:8.5Ω Audio:2.5Ω	QFN1.8*1.4-10L	TS5USBA224,FSA321 FSA221UMX,DIO3202B
GSW550	4PST Depletion Type Isolated Audio Switch	4PST	1.6-3	200M	0.5Ω	WLCSP12	FSA550
GSW553	Dual SPST Depletion Type Isolated Audio Switch	2PST	1.5-3	200M	0.5Ω	WLCSP9	FSA553

\* Please Contact Our Sales Office For More Details



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