2025

兆易创新选型手册

PRODUCT SELECTION GUIDE

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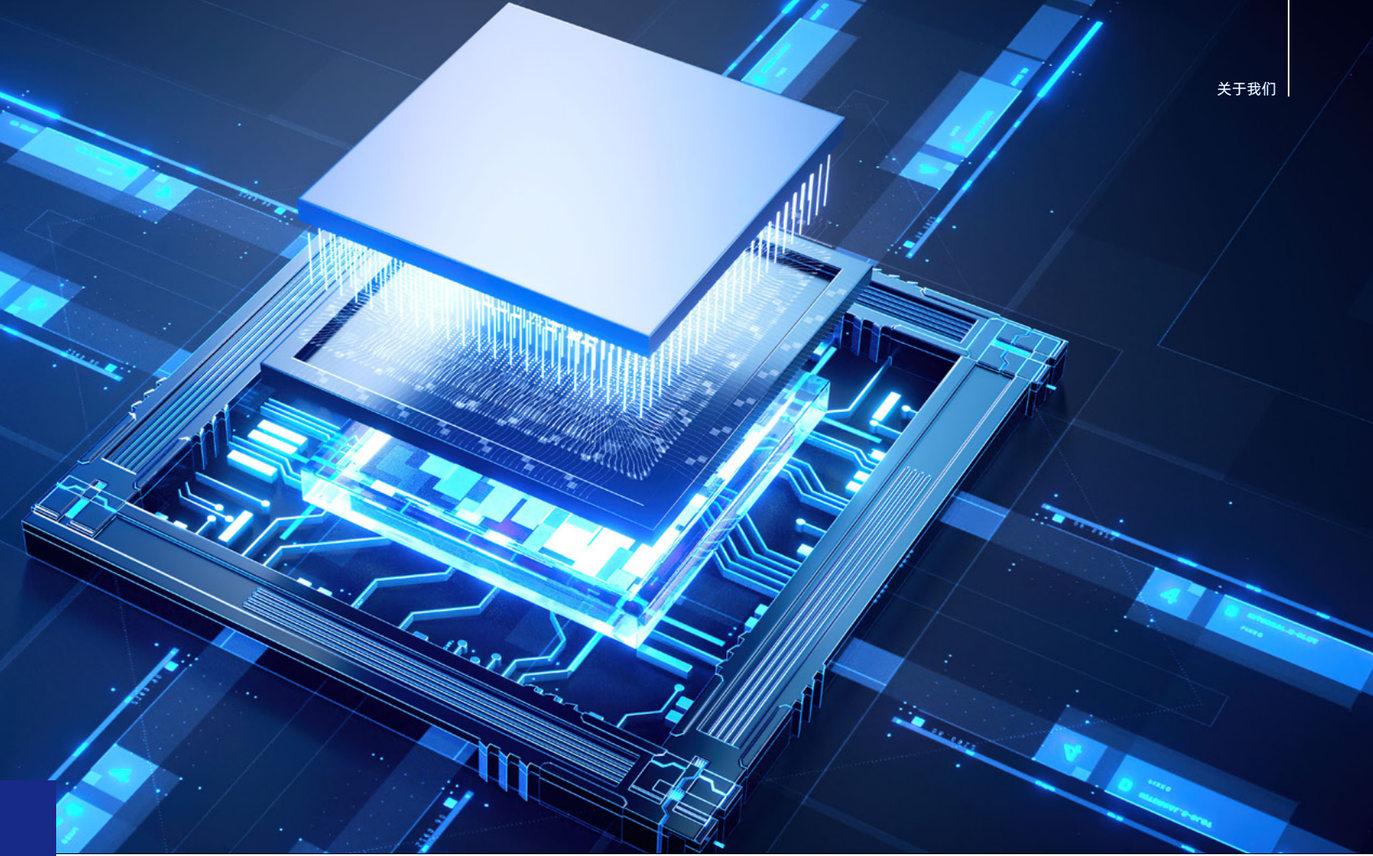
关于我们
About us



兆易创新科技集团股份有限公司（股票代码603986）是全球领先的Fabless芯片供应商，公司成立于2005年4月，总部设于中国北京，在中国上海、深圳、合肥、西安、成都、苏州、香港和新竹，美国、韩国、日本、英国、德国、新加坡等多个国家和地区均设有分支机构和办事处，营销网络遍布全球，为客户提供优质便捷的本地化支持服务。

公司的核心产品线为存储器（Flash、利基型DRAM）、32位通用型MCU、智能人机交互传感器、电源产品及整体解决方案，旗下产品以“高性能、低功耗”著称，为汽车、工业控制、物联网、网络/通信、计算机和消费电子的客户提供全方位服务。

全球排名第一的无晶圆厂Flash供应商。在SPI NOR Flash领域，市场占有率全球第二、中国第一，累计出货量超270亿颗。

中国品牌排名第一的Arm®通用型MCU供应商，提供超过63个系列、700余款型号选择，累计出货量超19.8亿颗。

指纹芯片行业领先。深耕传感器、信号链、算法及解决方案，做全生态的重要贡献者。

2005年
成立于北京

2016年
上海证券交易所成功上市
(SSE 603986)

20,000+
全球客户

公司在质量管理方面有严格的标准与要求，已通过ISO26262:2018汽车功能安全最高等级ASIL D体系认证，并已获得ISO 9001、ISO 14001、ISO 45001等体系认证和邓白氏认证，同时积极推进产业整合，拓展战略布局，并与全球多家领先晶圆厂、封装测试厂达成战略合作伙伴关系，通过加强产业上下游合作、优化供应链管理，共同推进半导体领域的技术创新。

集存储器、微控制器、传感器、模拟产品及解决方案的领先的无晶圆厂半导体公司

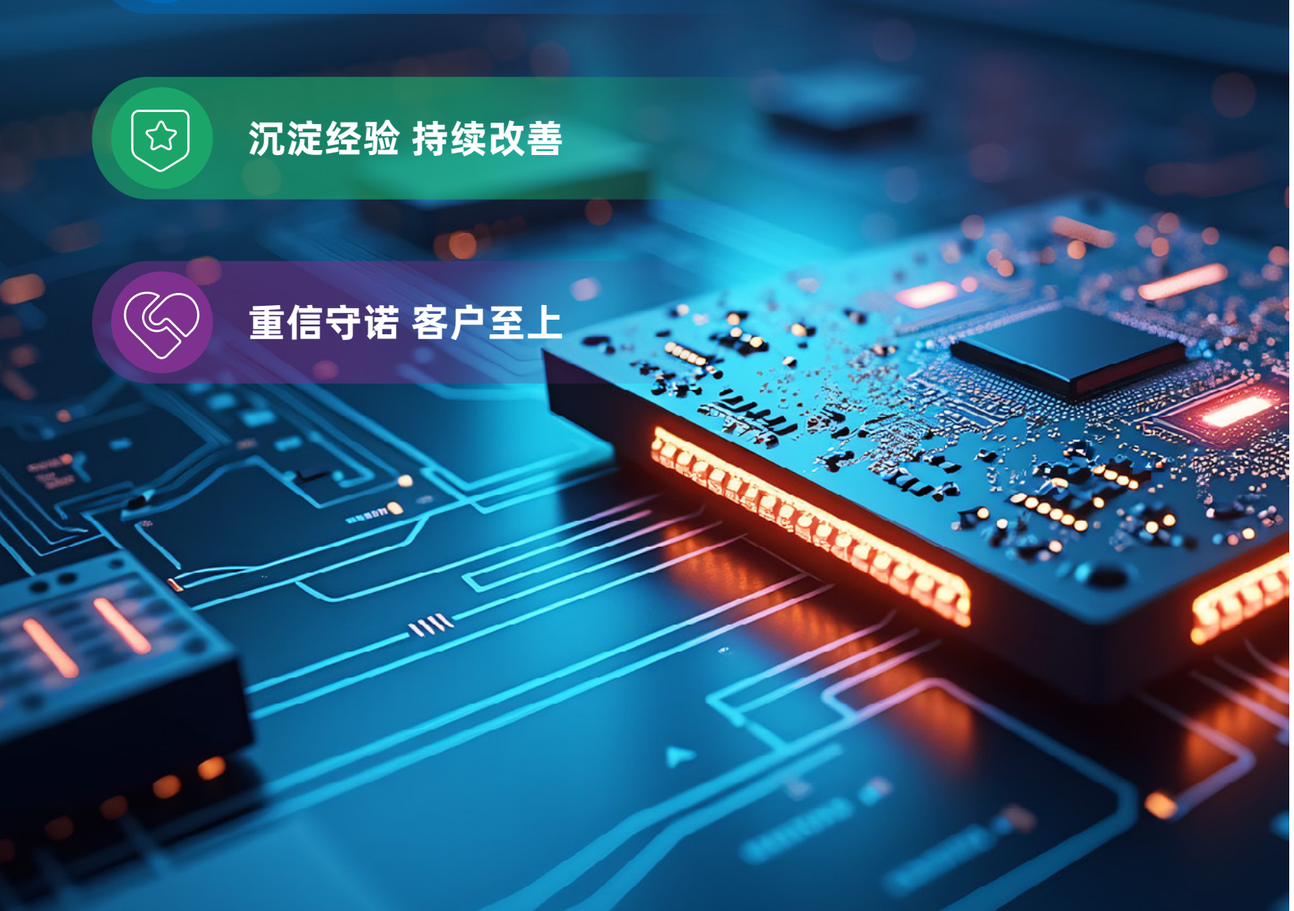
TOP1
中国品牌排名第一的
Arm® 通用型 MCU 供应商

TOP2
SPI NOR Flash 领域
全球市场排名第二

访问www.GigaDevice.com，了解更多信息。

质量方针

- 人人都是质量人
- 提倡风险管理文化
- 产品处处有质量
- 沉淀经验 持续改善
- 重信守诺 客户至上



端到端的质量保障

设计质量 + 制造质量 + 测试质量 = 产品质量保障

设计与测试深度积累
为工艺波动留足余量

设 计 | 晶圆制造 | 晶圆测试 | 封装 | 出厂测试 | 交 付

质量管理
数字平台

知

先进 EDA 工具
覆盖芯片设计
仿真全流程

控

Enterprise MES 系统，打造虚拟工厂

大数据分析系统，实现预防预测型管理

管

QMS 多模块应用，质量管理的全链条追溯

SAP 出货系统
主动管理风险

层层把控
拦截所有质量问题

我们的认证

ISO 9001 质量管理体认证	ISO 14001 环境管理体系认证	ISO 45001 职业健康安全管理体系认证	CNAS ISO/IEC 17025 实验室认可	邓白氏注册 认证企业
ISO 26262 ASIL D 功能安全流程认证	ISO 26262 ASIL B 功能安全产品认证	ISO 26262 ASIL D 功能安全认证	IEC 61508 SC3(SIL2/SIL3) 功能安全认证	IEC/UL 60730 ClassB 功能安全认证

SPI NOR Flash 特性

3V	1.8V	1.65V-3.6V	1.8V VCC, 1.2V VIO	1.2V
单电源供电 • 电压范围：2.7V~3.6V **高速时钟频率** • 数据读取频率高达200MHz* • 双通道数据吞吐量高达332Mbit/s • 四通道数据吞吐量高达664Mbit/s • 八通道数据吞吐量高达1600Mbit/s • 双沿传输四通道数据吞吐量高达1600Mbit/s • 双沿传输八通道数据吞吐量高达3200Mbit/s • 连续读取8/16/32/64-Byte **灵活的存储结构** • 扇区大小: 4K-Byte • 块大小: 32/64K-Byte	**单电源供电** • 电压范围: 1.65V~2.0V **高速时钟频率** • 数据读取频率高达200MHz* • 双通道数据吞吐量高达332Mbit/s • 四通道数据吞吐量高达664Mbit/s • QPI 数据吞吐量高达664Mbit/s • 八通道数据吞吐量高达1600Mbit/s • 双沿传输四通道数据吞吐量高达1600Mbit/s • 双沿传输八通道数据吞吐量高达3200Mbit/s • 连续读取8/16/32/64-Byte **灵活的存储结构** • 扇区大小: 4K-Byte • 块大小: 32/64K-Byte	**单电源供电** • 电压范围: 1.65V~3.6V **高速时钟频率** • 数据读取频率高达104MHz* • 双通道数据吞吐量高达208Mbit/s • 四通道数据吞吐量高达416Mbit/s • 连续读取8/16/32/64-Byte **灵活的存储结构** • 扇区大小: 4K-Byte • 块大小: 32/64K-Byte	**双电源供电** • 核心电压范围：1.65V~2.0V • IO电压范围：1.10V~1.30V **高速时钟频率** • 数据读取频率高达200MHz* • 双通道数据吞吐量高达332Mbit/s • 四通道数据吞吐量高达664Mbit/s • QPI 数据吞吐量高达664Mbit/s • 八通道数据吞吐量高达1600Mbit/s • 双沿传输四通道数据吞吐量高达 832Mbit/s • 双沿传输八通道数据吞吐量高达 3200Mbit/s • 连续读取8/16/32/64-Byte **灵活的存储结构** • 扇区大小: 4K-Byte • 块大小: 32/64K-Byte	**单电源供电** • 电压范围: 1.14V~1.26V **高速时钟频率** • 数据读取频率高达 120MHz* • 双通道数据吞吐量高达240Mbit/s • 四通道数据吞吐量高达480Mbit/s • QPI 数据吞吐量高达480Mbit/s • 双沿传输四通道数据吞吐量高达640Mbit/s • 连续读取8/16/32/64-Byte **灵活的存储结构** • 扇区大小: 4K-Byte • 块大小: 32/64K-Byte

* 该特性仅部分产品适用

SPI NOR Flash 产品型号命名规则

GD 25 Q 64 H S I G Y

Company Prefix
GD: GigaDevice

Product Family
25/55: SPI Interface Flash

Series
D:3V, Dual Output
Q:3V, Quad I/O
B:3V, Quad I/O, Default x4 I/O
F:3V, Quad I/O, Default x4 I/O, High Performance
T:3V, Quad I/O, Default x4 I/O, Ultra-High Performance
R:3V, Quad I/O, Stack RPMC
X:3V, Octal I/O, Ultra-High Performance
LD:1.8V, Dual Output
LQ:1.8V, Quad I/O
LH:1.8V, Quad I/O, fast tpp
LB:1.8V, Quad I/O, Default x4 I/O
LE:1.8V, Quad I/O, Low Power
LF:1.8V, Quad I/O, Default x4 I/O, High Performance
LT:1.8V, Quad I/O, Default x4 I/O, Ultra-High Performance
LR:1.8V, Quad I/O, Stack RPMC
LX:1.8V, Octal I/O, Ultra-High Performance
WD:1.65V~3.6V, Dual Output
WQ:1.65V~3.6V, Quad I/O
WB:1.65V~3.6V, Quad I/O, Default x4 I/O
NE:1.8V VCC, 1.2V VIO, Quad I/O, Low Power
NF:1.8V VCC, 1.2V VIO, Quad I/O, Default x4 I/O, High Performance
NX:1.8V VCC, 1.2V VIO, Octal I/O, Ultra-High Performance
UF:1.2V, Quad I/O, Default x4 I/O

Density
05:512Kb
10:1Mb
20:2Mb
40:4Mb
80:8Mb
16:16Mb
32:32Mb
64:64Mb
128:128Mb
255/256:256Mb
512M:512Mb
01G:1Gb
02G:2Gb

Version
E:E Version
F: F Version
H: H Version
J: J Version

Package Type
F:SOP16 300mil
S:SOP8 208mil
T:SOP8 150mil
L:WLCSP (4-4 ball array)
3:WLCSP (3-2-3 ball array)
4:WLCSP (4x6 ball array)
XE:FO-USON8 3x2mm
XH:FO-USON8 3x3mm
K6:USON6 1.2x1.2mm
K:USON8 1.5x1.5mm
E:USON8 3x2mm
E4:USON8 3x2mm-0.4mm
N:USON8 3x4mm
Q:USON8 4x4mm
W:WSON8 6x5mm
Y:WSON8 8x6mm
B:TFBGA-24ball 6x8mm(5x5 ball array)

Temperature Range
I: Industrial (-40℃ ~ 85℃) | **2**: Automotive (-40℃ ~ 105℃)
J: Industrial (-40℃ ~105℃) | **A**: Automotive (-40℃ ~ 125℃)
E: Industrial (-40℃ ~125℃)

Special Options
G:Pb Free + Halogen Free Green Package
R:Pb Free + Halogen Free Green Package + Reset# pin

Packing Type
T:Tube | **R**:Tape&Reel | **Y**:Tray

SPI NOR Flash 特性

Flash Voltage	3V							1.8V									1.65V-3.6V			1.8V VCC, 1.2V VIO			1.2V
Family	D	Q	B	F	T	R	X	LD	LQ	LH	LB	LE	LF	LT	LR	LX	WD	WQ	WB	NE	NF	NX	UF
Part No.	xxE	xxE xxH	xxE xxF xxH	xxF	xxE	xxE xxF	xxE	xxE	xxE xxH	xxE	xxE xxF xxH	xxE xxH	xxE xxF xxJ	xxE xxJ	xxE xxF	xxE xxJ	xxE	xxE xxH	xxE	xxH	xxF xxJ	xxJ	xxE
Single I/O (1-1-1)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Dual Output (1-1-2)	•	•	*	•		*		•	•	•	*	•	•		*		•	•	•	•	•		•
Dual I/O (1-2-2)		•	*	•		*			•	•	*	•	•		*			•	•	•	•		•
Quad Output (1-1-4)		•	•	•	•	•			•	•	•	•	•	•	•			•	•	•	•		•
Quad I/O (1-4-4)		•	•	•	•	•			•	•	•	•	•	•	•			•	•	•	•		•
Octal Output (1-1-8)							•									•						•	
Octal I/O (1-8-8)							•									•						•	
QPI (4-4-4)			*		•				•	•	•	•	•	•						•	•		•
OPI (8-8-8)							•									•						•	
DTR		*	*	•	•		•				*	*	•	•		•				•	•	•	•
H/W Reset (RESET# Pin)		*	*	•	•	*	•		*		*	*	*	•	*	•		*	*	•	•	•	*
S/W Reset		•	•	•	•	•	•		•	•	•	•	•	•	•	•		•	•	•	•	•	•
H/W Write Protection (WP# Pin)	•	•	*	*	•	*	•	•	•	•	*	•		•	*	•	•	•	•	•	•	•	
S/W Write Protection	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Volatile & Non-volatile Status Register Bit		•	•	•	•	•	•		•	•	•	•	•	•	•	•		•	•	•	•	•	•
Output Driver Strength		*	*	•	•	*	•		*		*	*	*	•	*	•		*	*	•	•	•	*
Security Registers with OTP Locks	*	•	•	•	•	•	•	*	•	•	•	•	•	•	•	•	*	•	•	•	•	•	•
SFDP Register		•	•	•	•	•	•		•	•	•	•	•	•	•	•		•	•	•	•	•	•
ECC				•	•		•						*	•		•					•	•	

* 该特性仅部分产品适用。

SPI NOR Flash 工规产品选型

Part No.	Density	Voltage	Organization	I/O Bus	Frequency (MHz)	Package
GD25D05E	512Kb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual Output	104MHz(x1) 80MHz(x2)	SOP8 150mil USON6 1.2x1.2mm USON8 1.5x1.5mm USON8 3x2mm
GD25D10E	1Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual Output	104MHz(x1) 80MHz(x2)	SOP8 150mil USON6 1.2x1.2mm USON8 1.5x1.5mm USON8 3x2mm
GD25D20E	2Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual Output	104MHz(x1) 80MHz(x2)	SOP8 150mil USON6 1.2x1.2mm USON8 1.5x1.5mm USON8 3x2mm
GD25Q20E	2Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP8 150mil SOP8 208mil USON8 3x2mm
GD25D40E	4Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual Output	104MHz(x1) 80MHz(x2)	SOP8 150mil USON6 1.2x1.2mm USON8 1.5x1.5mm USON8 3x2mm
GD25Q40E	4Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP8 150mil SOP8 208mil USON8 1.5x1.5mm USON8 3x2mm
GD25D80E	8Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual Output	104MHz(x1) 80MHz(x2)	SOP8 150mil USON8 1.5x1.5mm USON8 3x2mm
GD25Q80E	8Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP8 150mil SOP8 208mil USON8 3x2mm
GD25B80E	8Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP8 150mil
GD25Q16E	16Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP8 150mil SOP8 208mil USON8 3x2mm USON8 3x4mm
GD25B16E	16Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP8 150mil SOP8 208mil USON8 3x2mm USON8 3x4mm
GD25Q32E	32Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP8 150mil SOP8 208mil USON8 3x2mm USON8 3x4mm
GD25B32E	32Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP8 150mil SOP8 208mil USON8 3x2mm USON8 3x4mm
GD25Q64E	64Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP8 150mil SOP8 208mil FO-USON8 3x2mm USON8 3x4mm USON8 4x4mm WSON8 6x5mm
GD25Q64H	64Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4) 80MHz(DTR)	SOP8 150mil SOP8 208mil FO-USON8 3x2mm USON8 3x4mm USON8 4x4mm WSON8 6x5mm
GD25B64E	64Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP8 208mil USON8 3x4mm USON8 4x4mm WSON8 6x5mm
GD25B64H	64Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4) 80MHz(DTR)	SOP8 150mil SOP8 208mil FO-USON8 3x2mm USON8 3x4mm USON8 4x4mm WSON8 6x5mm
GD25R64E	64Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	104MHz(x1, x2, x4)	SOP8 208mil WSON8 6x5mm WSON8 8x6mm
GD25F64F	64Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	166MHz(x1, x2, x4) 104MHz(DTR)	SOP8 208mil USON8 4x4mm WSON8 6x5mm TFBGA24 8x6mm(5x5 ball array)
GD25Q128E	128Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP8 208mil SOP16 300mil USON8 4x4mm WSON8 6x5mm WSON8 8x6mm
GD25Q128H	128Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4) 80MHz(DTR)	SOP8 150mil SOP8 208mil USON8 3x4mm USON8 4x4mm WSON8 6x5mm
GD25B128E	128Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP8 208mil USON8 4x4mm WSON8 6x5mm WSON8 8x6mm TFBGA24 8x6mm (5x5 ball array)
GD25B128H	128Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4) 80MHz(DTR)	SOP8 150mil SOP8 208mil USON8 3x4mm USON8 4x4mm WSON8 6x5mm WSON8 8x6mm
GD25R128E	128Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	104MHz(x1, x2, x4)	SOP8 208mil WSON8 6x5mm WSON8 8x6mm
GD25F128F	128Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	166MHz(x1, x2, x4) 104MHz(DTR)	SOP8 208mil SOP16 300mil WSON8 6x5mm TFBGA24 8x6mm (5x5 ball array)
GD25Q256E	256Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP16 300mil WSON8 6x5mm WSON8 8x6mm TFBGA24 8x6mm (5x5 ball array)
GD25R256E	256Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	104MHz(x1, x2, x4)	SOP16 300mil WSON8 6x5mm WSON8 8x6mm
GD25B256E	256Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP16 300mil WSON8 6x5mm WSON8 8x6mm TFBGA24 8x6mm (5x5 ball array)
GD25F256F	256Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	166MHz(x1, x2, x4) 104MHz(DTR)	SOP16 300mil WSON8 6x5mm WSON8 8x6mm TFBGA24 8x6mm (5x5 ball array)
GD25B512MF	512Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP16 300mil WSON8 8x6mm TFBGA24 8x6mm (5x5 ball array)
GD25F512MF	512Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	166MHz(x1, x2, x4) 104MHz(DTR)	SOP16 300mil WSON8 8x6mm TFBGA24 8x6mm (5x5 ball array)
GD25R512MF	512Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	104MHz(x1,x2,x4)	SOP16 300mil WSON8 8x6mm
GD25T512ME	512Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Quad	166MHz(x1, x4) 200MHz(DTR)	SOP16 300mil WSON8 8x6mm TFBGA24 8x6mm (5x5 ball array)
GD25X512ME	512Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Octal	200MHz(x1, x8) 200MHz(DTR)	SOP16 300mil TFBGA24 8x6mm (5x5 ball array)
GD55B01GF	1Gb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1,x2,x4)	SOP16 300mil WSON8 8x6mm TFBGA24 8x6mm (5x5 ball array)
GD55F01GF	1Gb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	166MHz(x1, x2, x4) 104MHz(DTR)	SOP16 300mil WSON8 8x6mm TFBGA24 8x6mm (5x5 ball array)

SPI NOR Flash 工规产品选型

Part No.	Density	Voltage	Organization	I/O Bus	Frequency (MHz)	Package
GD55T01GE	1Gb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Quad	166MHz(x1, x4) 200MHz(DTR)	SOP16 300mil WSON8 8x6mm TFBGA24 8x6mm (5x5 ball array)
GD55X01GE	1Gb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Octal	200MHz(x1, x8) 200MHz(DTR)	SOP16 300mil TFBGA24 8x6mm (5x5 ball array)
GD55B02GF	2Gb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP16 300mil TFBGA24 8x6mm (5x5 ball array)
GD55F02GF	2Gb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	166MHz(x1,x2,x4) 104MHz(DTR)	SOP16 300mil TFBGA24 8x6mm (5x5 ball array)
GD55T02GE	2Gb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Quad	166MHz(x1, x4) 200MHz(DTR)	TFBGA24 8x6mm (5x5 ball array)
GD55X02GE	2Gb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Octal	200MHz(x1, x8) 200MHz(DTR)	TFBGA24 8x6mm (5x5 ball array)
GD25LD05E	512Kb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual Output	50MHz(x1) 40MHz(x2)	SOP8 150mil USON6 1.2x1.2mm USON8 1.5x1.5mm USON8 3x2mm
GD25LD10E	1Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual Output	50MHz(x1) 40MHz(x2)	SOP8 150mil USON6 1.2x1.2mm USON8 1.5x1.5mm USON8 3x2mm
GD25LD20E	2Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual Output	50MHz(x1) 40MHz(x2)	SOP8 150mil USON6 1.2x1.2mm USON8 1.5x1.5mm USON8 3x2mm
GD25LQ20E	2Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP8 150mil USON8 1.5x1.5mm USON8 3x2mm
GD25LE20E	2Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP8 150mil USON8 1.5x1.5mm USON8 3x2mm
GD25LD40E	4Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual Output	50MHz(x1) 40MHz(x2)	SOP8 150mil USON6 1.2x1.2mm USON8 1.5x1.5mm USON8 3x2mm
GD25LQ40E	4Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP8 150mil USON8 1.5x1.5mm USON8 3x2mm
GD25LH40E	4Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1,x2,x4)	USON8 3x2mm
GD25LE40E	4Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP8 150mil USON8 1.5x1.5mm USON8 3x2mm
GD25LD80E	8Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual Output	50MHz(x1) 40MHz(x2)	SOP8 150mil SOP8 208mil USON8 1.5x1.5mm USON8 3x2mm
GD25LQ80E	8Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP8 150mil SOP8 208mil USON8 3x2mm
GD25LH80E	8Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	USON8 3x2mm
GD25LE80E	8Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	USON8 3x2mm WLCSP (4-4 ball array)
GD25LF80E	8Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	166MHz(x1, x2, x4) 104MHz(DTR)	SOP8 150mil SOP8 208mil USON8 3x2mm
GD25LQ16E	16Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP8 150mil SOP8 208mil USON8 3x2mm USON8 3x4mm
GD25LH16E	16Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP8 150mil SOP8 208mil USON8 3x2mm USON8 3x4mm
GD25LB16E	16Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP8 150mil SOP8 208mil USON8 3x2mm
GD25LE16E	16Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	USON8 3x2mm WLCSP (3-2-3 ball array)
GD25LF16E	16Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	166MHz(x1, x2, x4) 104MHz(DTR)	SOP8 150mil SOP8 208mil USON8 3x2mm USON8 3x4mm
GD25LQ32E	32Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP8 150mil SOP8 208mil USON8 3x2mm USON8 3x4mm
GD25LH32E	32Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP8 208mil USON8 3x2mm USON8 3x4mm
GD25LB32E	32Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP8 150mil SOP8 208mil USON8 3x2mm USON8 3x4mm
GD25LE32E	32Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	USON8 3x2mm USON8 3x4mm WLCSP (4-4 ball array) WLCSP (3-2-3 ball array)
GD25LF32E	32Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	166MHz(x1, x2, x4) 104MHz(DTR)	SOP8 150mil SOP8 208mil USON8 3x2mm USON8 3x4mm
GD25LR32E	32Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	104MHz(x1, x2, x4)	SOP8 150mil SOP8 208mil WSON8 6x5mm
GD25LQ64E	64Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP8 150mil SOP8 208mil USON8 3x4mm USON8 4x4mm WSON8 6x5mm
GD25LB64E	64Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP8 150mil SOP8 208mil USON8 3x4mm USON8 4x4mm WSON8 6x5mm
GD25LE64E	64Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP8 150mil SOP8 208mil FO-USON8 3x2mm USON8 3x4mm USON8 4x4mm WSON8 6x5mm WLCSP (4-4 ball array)
GD25LF64E	64Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	166MHz(x1, x2, x4) 104MHz(DTR)	SOP8 150mil SOP8 208mil FO-USON8 3x2mm USON8 3x4mm USON8 4x4mm WSON8 6x5mm
GD25LR64E	64Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	104MHz(x1, x2, x4)	SOP8 208mil WSON8 6x5mm
GD25LT64J	64Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Quad	200MHz(x1,x4) 200MHz(DTR)	SOP8 208mil USON8 4x4mm WSON8 6x5mm TFBGA-24ball (5x5 Ball array)

SPI NOR Flash 工规产品选型

Part No.	Density	Voltage	Organization	I/O Bus	Frequency (MHz)	Package
GD25LX64J	64Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Octal	200MHz(x1,x8) 200MHz(DTR)	TFBGA24 8x6mm (5x5 ball array)
GD25LQ128E	128Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP8 208mil SOP16 300mil USON8 4x4mm WSON8 6x5mm WSON8 8x6mm TFBGA24 8x6mm (5x5 ball array)
GD25LQ128H	128Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4) 104MHz(DTR)	SOP8 208mil SOP16 300mil USON8 4x4mm WSON8 6x5mm WSON8 8x6mm TFBGA24 8x6mm (5x5 ball array)
GD25LB128E	128Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP8 208mil SOP16 300mil USON8 4x4mm WSON8 6x5mm WSON8 8x6mm TFBGA24 8x6mm (5x5 ball array)
GD25LB128H	128Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4) 104MHz(DTR)	SOP8 208mil SOP16 300mil USON8 4x4mm WSON8 6x5mm WSON8 8x6mm TFBGA24 8x6mm (5x5 ball array)
GD25LE128E	128Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP8 208mil FO-USON8 3x3mm USON8 4x4mm WSON8 6x5mm WSON8 8x6mm WLCSP (4-4 ball array)
GD25LE128H	128Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	166MHz(x1, x2, x4) 104MHz(DTR)	SOP8 208mil USON8 4x4mm WSON8 6x5mm WSON8 8x6mm WLCSP (4-4 ball array)
GD25LF128E	128Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	166MHz(x1, x2, x4) 104MHz(DTR)	SOP8 208mil USON8 4x4mm WSON8 6x5mm TFBGA24 8x6mm (5x5 ball array)
GD25LR128E	128Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	104MHz(x1, x2, x4)	SOP8 208mil WSON8 6x5mm WSON8 8x6mm
GD25LF128J	128Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	166MHz(x1, x2, x4) 104MHz(DTR)	SOP8 208mil SOP16 300mil USON8 4x4mm WSON8 6x5mm WSON8 8x6mm TFBGA-24ball (5x5 Ball array)
GD25LX128J	128Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Octal	200MHz(x1,x8) 200MHz(DTR)	TFBGA24 8x6mm (5x5 ball array)
GD25LQ255E	256Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP16 300mil WSON8 6x5mm WSON8 8x6mm
GD25LQ256H	256Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4) 104MHz(DTR)	SOP8 208mil WSON8 6x5mm WSON8 8x6mm
GD25LB256F	256Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP16 300mil WSON8 6x5mm WSON8 8x6mm TFBGA24 8x6mm (5x5 ball array)
GD25LE255E	256Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	WSON8 6x5mm WLCSP (4-4 ball array)
GD25LE256H	256Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	166MHz(x1, x2, x4) 104MHz(DTR)	WSON8 6x5mm WLCSP (4-4 ball array)
GD25LF255E	256Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	166MHz(x1, x2, x4) 104MHz(DTR)	WSON8 6x5mm WLCSP (4-4 ball array)
GD25LF256F	256Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	166MHz(x1, x2, x4) 104MHz(DTR)	SOP16 300mil WSON8 6x5mm WSON8 8x6mm TFBGA24 8x6mm (5x5 ball array)
GD25LT256E	256Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Quad	166MHz(x1, x4) 200MHz(DTR)	SOP16 300mil WSON8 8x6mm TFBGA24 8x6mm (5x5 ball array)
GD25LR256F	256Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	104MHz(x1, x2, x4)	WSON8 6x5mm WSON8 8x6mm
GD25LX256E	256Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Octal	200MHz(x1, x8) 200MHZ(DTR)	SOP16 300mil TFBGA24 8x6mm (5x5 ball array) WLCSP (4x6 ball array)
GD25LB512MF	512Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP16 300mil WSON8 8x6mm TFBGA24 8x6mm (5x5 ball array)
GD25LF512MF	512Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	166MHz(x1, x2, x4) 104MHz(DTR)	SOP16 300mil WSON8 8x6mm TFBGA24 8x6mm (5x5 ball array)
GD25LT512ME	512Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Quad	166MHz(x1, x4) 200MHz(DTR)	SOP16 300mil WSON8 8x6mm TFBGA24 8x6mm (5x5 ball array)
GD25LR512MF	512Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	104MHz(x1, x2, x4)	SOP16 300mil WSON8 8x6mm
GD25LX512ME	512Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Octal	200MHz(x1, x8) 200MHz(DTR)	SOP16 300mil TFBGA24 8x6mm (5x5 ball array) WLCSP (4x6 ball array)
GD55LB01GF	1Gb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP16 300mil WSON8 8x6mm TFBGA24 8x6mm (5x5 ball array)
GD55LF01GF	1Gb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	166MHz(x1, x2, x4) 104MHz(DTR)	SOP16 300mil WSON8 8x6mm TFBGA24 8x6mm (5x5 ball array)
GD55LT01GE	1Gb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Quad	166MHz(x1, x4) 200MHz(DTR)	SOP16 300mil WSON8 8x6mm TFBGA24 8x6mm (5x5 ball array)
GD55LR01GF	1Gb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	104MHz(x1, x2, x4)	SOP16 300mil WSON8 8x6mm TFBGA24 8x6mm (5x5 ball array)
GD55LX01GE	1Gb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Octal	200MHz(x1, x8) 200MHz(DTR)	SOP16 300mil TFBGA24 8x6mm (5x5 ball array)
GD55LB02GF	2Gb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP16 300mil TFBGA24 8x6mm (5x5 ball array)
GD55LF02GF	2Gb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	166MHz(x1, x2, x4) 104MHz(DTR)	SOP16 300mil TFBGA24 8x6mm (5x5 ball array)
GD55LT02GE	2Gb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Quad	166MHz(x1, x4) 200MHz(DTR)	TFBGA24 8x6mm (5x5 ball array)
GD55LX02GE	2Gb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Octal	200MHz(x1, x8) 200MHz(DTR)	TFBGA24 8x6mm (5x5 ball array)
GD25WD05E	512Kb	1.65V-3.6V	4KB / 32KB / 64KB	Single / Dual Output	104MHz(x1) 80MHz(x2)	SOP8 150mil USON6 1.2x1.2mm USON8 1.5x1.5mm USON8 3x2mm
GD25WD10E	1Mb	1.65V-3.6V	4KB / 32KB / 64KB	Single / Dual Output	104MHz(x1) 80MHz(x2)	SOP8 150mil USON6 1.2x1.2mm USON8 1.5x1.5mm USON8 3x2mm

SPI NOR Flash 工规产品选型

Part No.	Density	Voltage	Organization	I/O Bus	Frequency (MHz)	Package
GD25WD20E	2Mb	1.65V-3.6V	4KB / 32KB / 64KB	Single / Dual Output	104MHz(x1) 80MHz(x2)	SOP8 150mil USON6 1.2x1.2mm USON8 1.5x1.5mm USON8 3x2mm
GD25WQ20E	2Mb	1.65V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	104MHz(x1, x2, x4)	SOP8 150mil USON8 3x2mm
GD25WD40E	4Mb	1.65V-3.6V	4KB / 32KB / 64KB	Single / Dual Output	104MHz(x1) 80MHz(x2)	SOP8 150mil USON6 1.2x1.2mm USON8 1.5x1.5mm USON8 3x2mm
GD25WQ40E	4Mb	1.65V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	104MHz(x1, x2, x4)	SOP8 150mil USON8 3x2mm
GD25WD80E	8Mb	1.65V-3.6V	4KB / 32KB / 64KB	Single / Dual Output	104MHz(x1) 80MHz(x2)	SOP8 150mil SOP8 208mil USON8 1.5x1.5mm USON8 3x2mm
GD25WQ80E	8Mb	1.65V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	104MHz(x1, x2, x4)	SOP8 150mil SOP8 208mil USON8 3x2mm
GD25WQ16E	16Mb	1.65V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	104MHz(x1, x2, x4)	SOP8 150mil SOP8 208mil USON8 3x2mm USON8 3x4mm
GD25WQ32E	32Mb	1.65V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	104MHz(x1, x2, x4)	SOP8 150mil SOP8 208mil USON8 3x2mm USON8 3x4mm
GD25WQ64E	64Mb	1.65V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	104MHz(x1, x2, x4)	SOP8 150mil SOP8 208mil USON8 3x4mm USON8 4x4mm WSON8 6x5mm WLCSP (3-2-3 ball array)
GD25WQ64H	64Mb	1.65V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	104MHz(x1, x2, x4)	SOP8 150mil SOP8 208mil FO-USON8 3x2mm USON8 3x4mm USON8 4x4mm WSON8 6x5mm
GD25WQ128E	128Mb	1.65V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	104MHz(x1, x2, x4)	SOP8 208mil SOP16 300mil USON8 4x4mm WSON8 6x5mm
GD25WQ128H	128Mb	1.65V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	104MHz(x1, x2, x4)	SOP8 150mil SOP8 208mil USON8 3x4mm USON8 4x4mm WSON8 6x5mm
GD25WB256E	256Mb	1.65V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	104MHz(x1, x2, x4)	SOP16 300mil WSON8 6x5mm WSON8 8x6mm
GD25NX64J	64Mb	1.65V-2.0V/1.10V-1.30V	4KB / 32KB / 64KB	Single / Octal	200MHz(x1,x8) 200MHz(DTR)	TFBGA24 8x6mm (5x5 ball array)
GD25NX128J	128Mb	1.65V-2.0V/1.10V-1.30V	4KB / 32KB / 64KB	Single / Octal	200MHz(x1,x8) 200MHz(DTR)	TFBGA24 8x6mm (5x5 ball array)
GD25NE128H	128Mb	1.65V-2.0V/1.10V-1.30V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4) 104MHz(DTR)	SOP16 300mil TFBGA24 8x6mm (5x5 ball array)
GD25NE256H	256Mb	1.65V-2.0V/1.10V-1.30V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4) 104MHz(DTR)	SOP16 300mil TFBGA24 8x6mm (5x5 ball array)
GD25NF256F	256Mb	1.65V-2.0V/1.10V-1.30V	4KB / 32KB / 64KB	Single / Dual / Quad	166MHz(x1, x2, x4) 104MHz(DTR)	SOP16 300mil TFBGA24 8x6mm (5x5 ball array)
GD25NF512MF	512Mb	1.65V-2.0V/1.10V-1.30V	4KB / 32KB / 64KB	Single / Dual / Quad	166MHz(x1, x2, x4) 104MHz(DTR)	SOP16 300mil TFBGA24 8x6mm (5x5 ball array)
GD25UF80E	8Mb	1.14V-1.26V	4KB / 32KB / 64KB	Single / Dual / Quad	104MHz(x1, x2, x4) 60MHz(DTR)	SOP8 150mil SOP8 208mil USON8 3x2mm
GD25UF16E	16Mb	1.14V-1.26V	4KB / 32KB / 64KB	Single / Dual / Quad	104MHz(x1, x2, x4) 60MHz(DTR)	SOP8 150mil SOP8 208mil USON8 3x2mm USON8 3x4mm
GD25UF32E	32Mb	1.14V-1.26V	4KB / 32KB / 64KB	Single / Dual / Quad	104MHz(x1, x2, x4) 60MHz(DTR)	SOP8 150mil SOP8 208mil USON8 3x2mm USON8 3x4mm
GD25UF64E	64Mb	1.14V-1.26V	4KB / 32KB / 64KB	Single / Dual / Quad	120MHz(x1, x2, x4) 80MHz(DTR)	SOP8 208mil USON8 3x4mm USON8 4x4mm WLCSP(4-4 ball array)
GD25UF128E	128Mb	1.14V-1.26V	4KB / 32KB / 64KB	Single / Dual / Quad	120MHz(x1, x2, x4) 80MHz(DTR)	SOP8 208mil USON8 4x4mm WSON8 6x5mm TFBGA24 8x6mm (5x5 ball array)
GD25UF256E	256Mb	1.14V-1.26V	4KB / 32KB / 64KB	Single / Dual / Quad	120MHz(x1, x2, x4) 80MHz(DTR)	WSON8 6x5mm WSON8 8x6mm TFBGA24 8x6mm (5x5 ball array)

产品系列

3V

D: Dual Output
Q: Quad I/O
B: Quad I/O, Default x4 I/O
F: Quad I/O, Default x4 I/O, High Performance, ECC
T: Quad I/O, Default x4 I/O, Ultra-High Performance, ECC
R: Quad I/O, Stack RPMC
X: Octal I/O, Ultra-High Performance, ECC

1.8V

LD: Dual Output
LQ: Quad I/O
LH: Quad I/O, fast tpp
LB: Quad I/O, Default x4 I/O
LE: Quad I/O, Low Power
LF: Quad I/O, Default x4 I/O, High Performance, ECC*
LT: Quad I/O, Default x4 I/O, Ultra-High Performance, ECC
LR: Quad I/O, Stack RPMC
LX: Octal I/O, Ultra-High Performance, ECC

1.65V~3.6V

WD: Dual Output
WQ: Quad I/O
WB: Quad I/O, Default x4 I/O

1.8V VCC, 1.2V VIO

NE: 1.2V VIO, Quad I/O, Low Power
NF: 1.2V VIO, Quad I/O, Default x4 I/O, High Performance, ECC
NX: 1.2V VIO, Octal I/O, Ultra-High Performance, ECC

1.2V

UF: Quad I/O, Default x4 I/O

* 仅 F 和 J 版本支持

SPI NOR Flash 车规产品选型

Part No.	Density	Voltage	Organization	I/O Bus	Frequency (MHz)	Packages
GD25Q20E	2Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP8 150mil USON8 3x2mm
GD25Q40E	4Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP8 150mil USON8 3x2mm
GD25Q80E	8Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP8 150mil SOP8 208mil USON8 3x2mm
GD25B16E	16Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP8 150mil SOP8 208mil USON8 3x2mm USON8 3x4mm
GD25B32E	32Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP8 150mil SOP8 208mil USON8 3x2mm USON8 3x4mm TFBGA24 8x6mm (5x5 ball array)
GD25F64F	64Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	166MHz(x1, x2, x4) 104MHz(DTR)	SOP8 208mil USON8 4x4mm WSON8 6x5mm TFBGA-24ball (5x5 Ball array)
GD25F128F	128Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	166MHz(x1, x2, x4) 104MHz(DTR)	SOP8 208mil SOP16 300mil WSON8 6x5mm WSON8 8x6mm TFBGA24 8x6mm (5x5 ball array)
GD25F256F	256Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	166MHz(x1, x2, x4) 104MHz(DTR)	SOP16 300mil WSON8 6x5mm WSON8 8x6mm TFBGA24 8x6mm (5x5 ball array)
GD25F512MF	512Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	166MHz(x1, x2, x4) 104MHz(DTR)	SOP16 300mil WSON8 8x6mm TFBGA24 8x6mm (5x5 ball array)
GD25T512ME	512Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Quad	166MHz(x1, x4) 200MHz(DTR)	SOP16 300mil WSON8 8x6mm TFBGA24 8x6mm (5x5 ball array)
GD25X512ME	512Mb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Octal	200MHz(x1, x8) 200MHz(DTR)	SOP16 300mil TFBGA24 8x6mm (5x5 ball array)
GD55F01GF	1Gb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	166MHz(x1,x2,x4) 104MHz(DTR)	SOP16 300mil WSON8 8x6mm TFBGA24 8x6mm (5x5 ball array)
GD55T01GE	1Gb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Quad	166MHz(x1, x4) 200MHz(DTR)	SOP16 300mil WSON8 8x6mm TFBGA24 8x6mm (5x5 ball array)
GD55X01GE	1Gb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Octal	200MHz(x1, x8) 200MHz(DTR)	SOP16 300mil TFBGA24 8x6mm (5x5 ball array)
GD55F02GF	2Gb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Dual / Quad	166MHz(x1,x2,x4) 104MHz(DTR)	SOP16 300mil TFBGA24 8x6mm (5x5 ball array)
GD55T02GE	2Gb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Quad	166MHz(x1, x4) 200MHz(DTR)	TFBGA24 8x6mm (5x5 ball array)
GD55X02GE	2Gb	2.7V-3.6V	4KB / 32KB / 64KB	Single / Octal	200MHz(x1, x8) 200MHz(DTR)	TFBGA24 8x6mm (5x5 ball array)
GD25LQ20E	2Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	USON8 3x2mm
GD25LQ40E	4Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	USON8 3x2mm
GD25LQ80E	8Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP8 150mil USON8 3x2mm
GD25LF80E	8Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	166MHz(x1, x2, x4) 104MHz(DTR)	USON8 3x2mm
GD25LQ16E	16Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP8 150mil SOP8 208mil USON8 3x2mm USON8 3x4mm
GD25LF16E	16Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	166MHz(x1, x2, x4) 104MHz(DTR)	SOP8 150mil SOP8 208mil USON8 3x2mm
GD25LQ32E	32Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP8 150mil SOP8 208mil USON8 3x2mm USON8 3x4mm WSON8 6x5mm
GD25LF32E	32Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	166MHz(x1, x2, x4) 104MHz(DTR)	SOP8 150mil SOP8 208mil USON8 3x2mm USON8 3x4mm
GD25LQ64E	64Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	133MHz(x1, x2, x4)	SOP8 150mil SOP8 208mil USON8 3x4mm USON8 4x4mm WSON8 6x5mm TFBGA24 8x6mm (5x5 ball array)
GD25LF64E	64Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	166MHz(x1, x2, x4) 104MHz(DTR)	SOP8 150mil SOP8 208mil USON8 3x4mm USON8 4x4mm WSON8 6x5mm

SPI NOR Flash 车规产品选型

Part No.	Density	Voltage	Organization	I/O Bus	Frequency (MHz)	Packages
GD25LT64J	64Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Quad	200MHz(x1,x4) 200MHz(DTR)	SOP8 208mil USON8 4x4mm WSON8 6x5mm TFBGA-24ball (5x5 Ball array)
GD25LX64J	64Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Octal	200MHz(x1,x8) 200MHz(DTR)	TFBGA24 8x6mm (5x5 ball array)
GD25LF128J	128Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	166MHz(x1, x2, x4) 104MHz(DTR)	SOP8 208mil SOP16 300mil USON8 4x4mm WSON8 6x5mm WSON8 8x6mm TFBGA-24ball (5x5 Ball array)
GD25LX128J	128Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Octal	200MHz(x1,x8) 200MHz(DTR)	TFBGA24 8x6mm (5x5 ball array)
GD25LT256E	256Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Quad	166MHz(x1, x4) 200MHz(DTR)	SOP16 300mil WSON8 6x5mm WSON8 8x6mm TFBGA24 8x6mm (5x5 ball array)
GD25LX256E	256Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Octal	200MHz(x1, x8) 200MHz(DTR)	SOP16 300mil TFBGA24 8x6mm (5x5 ball array)
GD25LF256F	256Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	166MHz(x1, x2, x4) 104MHz(DTR)	SOP16 300mil WSON8 6x5mm WSON8 8x6mm TFBGA24 8x6mm (5x5 ball array)
GD25LT512ME	512Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Quad	166MHz(x1, x4) 200MHz(DTR)	SOP16 300mil WSON8 8x6mm TFBGA24 8x6mm (5x5 ball array)
GD25LX512ME	512Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Octal	200MHz(x1, x8) 200MHz(DTR)	SOP16 300mil TFBGA24 8x6mm (5x5 ball array)
GD25LF512MF	512Mb	1.65V-2.0V	4KB / 32KB / 64KB	Single /Dual / Quad	166MHz(x1, x2, x4) 104MHz(DTR)	SOP16 300mil WSON8 8x6mm TFBGA24 8x6mm (5x5 ball array)
GD55LT01GE	1Gb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Quad	166MHz(x1, x4) 200MHz(DTR)	SOP16 300mil WSON8 8x6mm TFBGA24 8x6mm (5x5 ball array)
GD55LX01GE	1Gb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Octal	200MHz(x1, x8) 200MHz(DTR)	SOP16 300mil TFBGA24 8x6mm (5x5 ball array)
GD55LF01GF	1Gb	1.65V-2.0V	4KB / 32KB / 64KB	Single /Dual / Quad	166MHz(x1, x2, x4) 104MHz(DTR)	SOP16 300mil WSON8 8x6mm TFBGA24 8x6mm (5x5 ball array)
GD55LT02GE	2Gb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Quad	166MHz(x1, x4) 200MHz(DTR)	TFBGA24 8x6mm (5x5 ball array)
GD55LX02GE	2Gb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Octal	200MHz(x1, x8) 200MHz(DTR)	TFBGA24 8x6mm (5x5 ball array)
GD55LF02GF	2Gb	1.65V-2.0V	4KB / 32KB / 64KB	Single / Dual / Quad	166MHz(x1, x2, x4) 104MHz(DTR)	SOP16 300mil TFBGA24 8x6mm (5x5 ball array)

产品系列

3V

Q: Quad I/O
B: Quad I/O, Default x4 I/O
F: Quad I/O, Default x4 I/O, High Performance, ECC
T: Quad I/O, Default x4 I/O, Ultra-High Performance, ECC
X: Octal I/O, Ultra-High Performance, ECC

1.8V

LQ: Quad I/O
LF: Quad I/O, Default x4 I/O, High Performance, ECC*
LT: Quad I/O, Default x4 I/O, Ultra-High Performance, ECC
LX: Octal I/O, Ultra-High Performance, ECC

* 仅 F 和 J 版本支持

SPI NAND Flash

SPI NAND Flash 特性

1.8V

供电电压
- 电压范围：1.7V~2.0V

容量
- 1Gb/2Gb/4Gb

高速时钟频率
- 数据读取频率：133MHz/104MHz/80MHz

灵活的存储结构
- 2K-Byte页读取写入大小
- 128K-Byte块擦除大小

温度等级
- 工规-40℃~85℃/工规-40℃~105℃/车规-40℃~105℃

SPI NAND先进特性
- 内置ECC算法
- 支持DTR
- 支持Continuous Read/Cache Read (M9 Series)
- 支持Deep Power Down

3V

供电电压
- 2.7V~3.6V

容量
- 1Gb/2Gb/4Gb

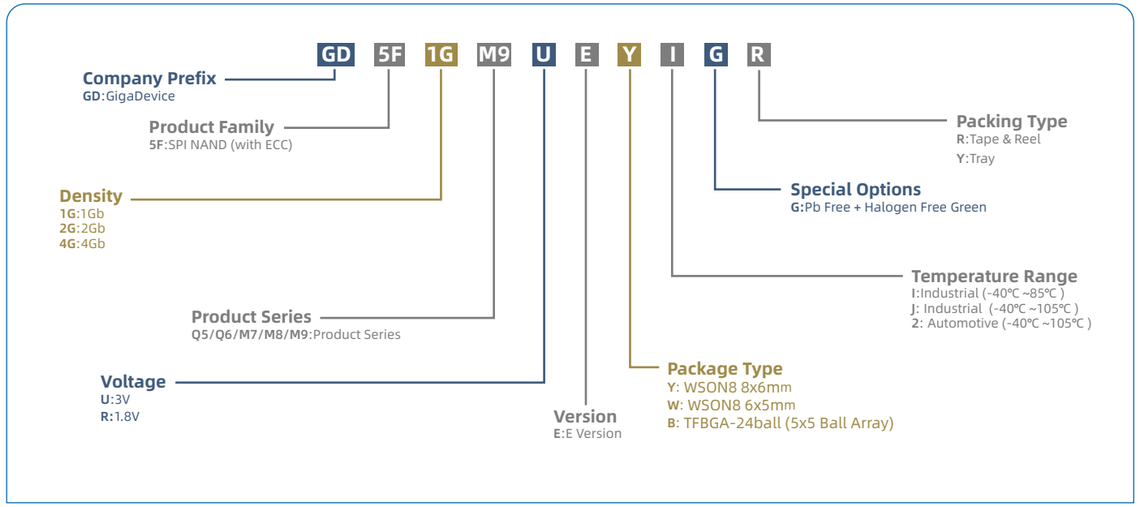
高速时钟频率
- 数据读取频率166MHz/133MHz/104MHz

灵活的存储结构
- 2K-Byte页读取写入大小
- 128K-Byte块擦除大小

温度等级
- 工规-40℃~85℃/工规-40℃~105℃/车规-40℃~105℃

SPI NAND先进特性
- 内置ECC算法
- 支持DTR
- 支持Continuous Read/Cache Read (M9 Series)

SPI NAND Flash 产品型号命名规则



SPI NAND Flash 工规产品选型

Part No.	Density	Voltage	Frequency	I/O Bus	Page Size	Package
GD5F1GQ5UE	1Gb	2.7V-3.6V	133MHz	x1/x2/x4	2KB	WSON8 8x6mm
GD5F1GM7UE	1Gb	2.7V-3.6V	133MHz	x1/x2/x4	2KB	WSON8 8x6mm/WSON8 6x5mm/ TFBGA24 8x6mm(5x5 ball array)
GD5F1GM9UE	1Gb	2.7V-3.6V	166MHz	x1/x2/x4	2KB	WSON8 8x6mm/WSON8 6x5mm/ TFBGA24 8x6mm(5x5 ball array)
GD5F2GQ5UE	2Gb	2.7V-3.6V	104MHz	x1/x2/x4	2KB	WSON8 8x6mm
GD5F2GM7UE	2Gb	2.7V-3.6V	133MHz	x1/x2/x4	2KB	WSON8 8x6mm/WSON8 6x5mm/ TFBGA24 8x6mm(5x5 ball array)
GD5F4GQ6UE	4Gb	2.7V-3.6V	104MHz	x1/x2/x4	2KB	WSON8 8x6mm
GD5F4GM8UE	4Gb	2.7V-3.6V	133MHz	x1/x2/x4	2KB	WSON8 8x6mm/WSON8 6x5mm/ TFBGA24 8x6mm(5x5 ball array)
GD5F1GQ5RE	1Gb	1.7V-2.0V	104MHz	x1/x2/x4	2KB	WSON8 8x6mm
GD5F1GM7RE	1Gb	1.7V-2.0V	104MHz	x1/x2/x4	2KB	WSON8 8x6mm/WSON8 6x5mm/ TFBGA24 8x6mm(5x5 ball array)
GD5F1GM9RE	1Gb	1.7V-2.0V	133MHz	x1/x2/x4	2KB	WSON8 8x6mm/WSON8 6x5mm/ TFBGA24 8x6mm(5x5 ball array)
GD5F2GQ5RE	2Gb	1.7V-2.0V	80MHz	x1/x2/x4	2KB	WSON8 8x6mm
GD5F2GM7RE	2Gb	1.7V-2.0V	104MHz	x1/x2/x4	2KB	WSON8 8x6mm/WSON8 6x5mm/ TFBGA24 8x6mm(5x5 ball array)
GD5F4GQ6RE	4Gb	1.7V-2.0V	80MHz	x1/x2/x4	2KB	WSON8 8x6mm
GD5F4GM8RE	4Gb	1.7V-2.0V	104MHz	x1/x2/x4	2KB	WSON8 8x6mm/WSON8 6x5mm/ TFBGA24 8x6mm(5x5 ball array)

SPI NAND Flash 车规产品选型

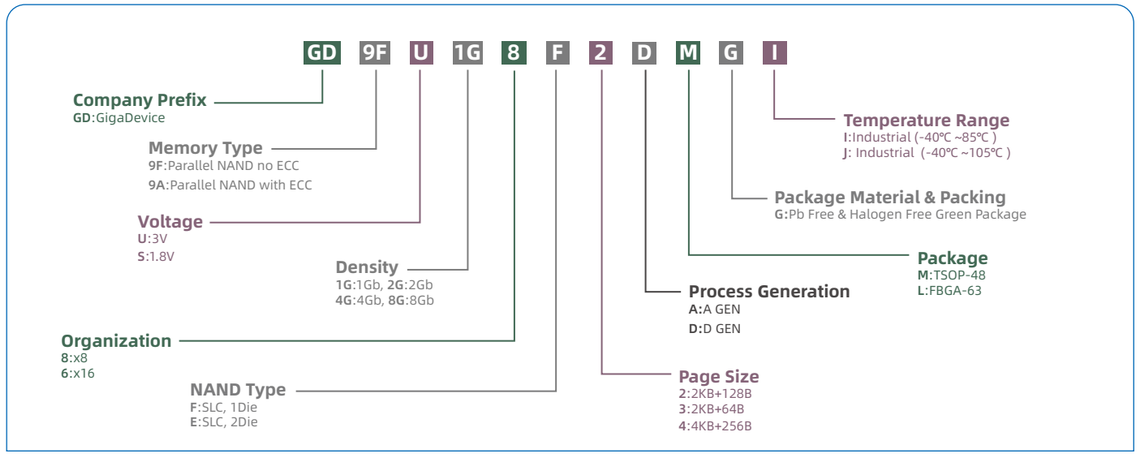
Part No.	Density	Voltage	Frequency	I/O Bus	Page Size	Package
GD5F1GQ5UE	1Gb	2.7V-3.6V	133MHz	x1/x2/x4	2KB	WSON8 8x6mm
GD5F1GM7UE	1Gb	2.7V-3.6V	133MHz	x1/x2/x4	2KB	WSON8 8x6mm/ TFBGA24 8x6mm(5x5 ball array)
GD5F2GQ5UE	2Gb	2.7V-3.6V	104MHz	x1/x2/x4	2KB	WSON8 8x6mm
GD5F2GM7UE	2Gb	2.7V-3.6V	133MHz	x1/x2/x4	2KB	WSON8 8x6mm/ TFBGA24 8x6mm(5x5 ball array)
GD5F4GQ6UE	4Gb	2.7V-3.6V	104MHz	x1/x2/x4	2KB	WSON8 8x6mm
GD5F4GM8UE	4Gb	2.7V-3.6V	133MHz	x1/x2/x4	2KB	WSON8 8x6mm/ TFBGA24 8x6mm(5x5 ball array)
GD5F1GQ5RE	1Gb	1.7V-2.0V	104MHz	x1/x2/x4	2KB	WSON8 8x6mm
GD5F1GM7RE	1Gb	1.7V-2.0V	104MHz	x1/x2/x4	2KB	WSON8 8x6mm/ TFBGA24 8x6mm(5x5 ball array)
GD5F2GQ5RE	2Gb	1.7V-2.0V	80MHz	x1/x2/x4	2KB	WSON8 8x6mm
GD5F2GM7RE	2Gb	1.7V-2.0V	104MHz	x1/x2/x4	2KB	WSON8 8x6mm/ TFBGA24 8x6mm(5x5 ball array)
GD5F4GQ6RE	4Gb	1.7V-2.0V	80MHz	x1/x2/x4	2KB	WSON8 8x6mm
GD5F4GM8RE	4Gb	1.7V-2.0V	104MHz	x1/x2/x4	2KB	WSON8 8x6mm/ TFBGA24 8x6mm(5x5 ball array)

Parallel NAND Flash

Parallel NAND Flash 特性

1.8V	3V
供电电压 • 1.7V~1.95V **容量** • 1Gb/2Gb/4Gb/8Gb **页大小** • 2KB+64B/2KB+128B/4KB+256B **页读取时间** • 25μs **I/O传输速度** • 20ns/25ns/45ns **总线宽度** • x8/x16 **温度等级：** • 工规-40℃~85℃/工规-40℃~105℃ **符合ONFI1.0标准**	**供电电压** • 2.7V~3.6V **容量** • 1Gb/2Gb/4Gb/8Gb **页大小** • 2KB+64B/2KB+128B/4KB+256B **页读取时间** • 25μs **I/O传输速度** • 12ns/20ns/25ns **总线宽度** • x8/x16 **温度等级：** • 工规-40℃~85℃/工规-40℃~105℃ **符合ONFI1.0标准**

Parallel NAND Flash 产品型号命名规则



Parallel NAND Flash 工规产品选型

Part No.	Density	Voltage	Sequential Access Time	I/O Bus	Page Size	ECC Requirement	Package
GD9FU1G8F2D	1Gb	2.7V-3.6V	12ns	x8	2KB+128B	8bit/512B	TSOP48 20x12mm/BGA63 9x11mm
GD9FU2GxF3A	2Gb	2.7V-3.6V	20ns	x8/x16	2KB+64B	4bit/512B	TSOP48 20x12mm/BGA63 9x11mm
GD9FU2GxF2A	2Gb	2.7V-3.6V	20ns	x8/x16	2KB+128B	4bit/512B	TSOP48 20x12mm/BGA63 9x11mm
GD9FU4GxF3A	4Gb	2.7V-3.6V	20ns	x8/x16	2KB+64B	4bit/512B	TSOP48 20x12mm/BGA63 9x11mm
GD9FU4G8F4D	4Gb	2.7V-3.6V	12ns	x8	4KB+256B	8bit/512B	TSOP48 20x12mm/BGA63 9x11mm
GD9FU8GxE3A	8Gb	2.7V-3.6V	20ns	x8/x16	2KB+64B	4bit/512B	TSOP48 20x12mm/BGA63 9x11mm
GD9FU8G8E4D	8Gb	2.7V-3.6V	12ns	x8	4KB+256B	8bit/512B	TSOP48 20x12mm/BGA63 9x11mm
GD9AU2GxF3A	2Gb	2.7V-3.6V	20ns	x8/x16	2KB+64B	Internal 4bit/512B	TSOP48 20x12mm/BGA63 9x11mm
GD9AU4GxF3A	4Gb	2.7V-3.6V	20ns	x8/x16	2KB+64B	Internal 4bit/512B	TSOP48 20x12mm/BGA63 9x11mm
GD9AU8GxE3A	8Gb	2.7V-3.6V	20ns	x8/x16	2KB+64B	Internal 4bit/512B	TSOP48 20x12mm/BGA63 9x11mm
GD9FS1G8F2D	1Gb	1.7V-1.95V	20ns	x8	2KB+128B	8bit/512B	TSOP48 20x12mm/BGA63 9x11mm
GD9FS2GxF3A	2Gb	1.7V-1.95V	25ns	x8/x16	2KB+64B	4bit/512B	TSOP48 20x12mm/BGA63 9x11mm
GD9FS2GxF2A	2Gb	1.7V-1.95V	25ns	x8/x16	2KB+128B	4bit/512B	TSOP48 20x12mm/BGA63 9x11mm
GD9FS4GxF3A	4Gb	1.7V-1.95V	25ns	x8/x16	2KB+64B	4bit/512B	TSOP48 20x12mm/BGA63 9x11mm
GD9FS4G8F4D	4Gb	1.7V-1.95V	20ns	x8	4KB+256B	8bit/512B	TSOP48 20x12mm/BGA63 9x11mm
GD9FS8GxE3A	8Gb	1.7V-1.95V	25ns	x8/x16	2KB+64B	4bit/512B	TSOP48 20x12mm/BGA63 9x11mm
GD9FS8G8E4D	8Gb	1.7V-1.95V	20ns	x8	4KB+256B	8bit/512B	TSOP48 20x12mm/BGA63 9x11mm
GD9AS2GxF3A	2Gb	1.7V-1.95V	25ns	x8/x16	2KB+64B	Internal 4bit/512B	TSOP48 20x12mm/BGA63 9x11mm
GD9AS4GxF3A	4Gb	1.7V-1.95V	25ns	x8/x16	2KB+64B	Internal 4bit/512B	TSOP48 20x12mm/BGA63 9x11mm
GD9AS8GxE3A	8Gb	1.7V-1.95V	25ns	x8/x16	2KB+64B	Internal 4bit/512B	TSOP48 20x12mm/BGA63 9x11mm

Flash 产品封装形式

备注：
1. 提供的长度、宽度、间距数值为标准值。厚度数值为最大值。
2. 图片仅供参考，请以所选型号的数据手册为主。

T

SOP8 150mil

长度	4.90mm
宽度	6.00mm
厚度 (最大)	1.75mm
间距	1.27mm

S

SOP8 208mil

长度	5.23mm
宽度	7.90mm
厚度 (最大)	2.16mm
间距	1.27mm

F

SOP16 300mil

长度	10.30mm
宽度	10.35mm
厚度 (最大)	2.65mm
间距	1.27mm

N

USON8 3x4mm

长度	3.00mm
宽度	4.00mm
厚度 (最大)	0.60mm
间距	0.80mm

Q

USON8 4x4mm

长度	4.00mm
宽度	4.00mm
厚度 (最大)	0.50mm
间距	0.80mm

W

WSON8 6x5mm

长度	6.00mm
宽度	5.00mm
厚度 (最大)	0.80mm
间距	1.27mm

K6

USON6 1.2x1.2mm

长度	1.20mm
宽度	1.20mm
厚度 (最大)	0.40mm
间距	0.40mm

K

USON8 1.5x1.5mm

长度	1.50mm
宽度	1.50mm
厚度 (最大)	0.50mm
间距	0.40mm

XE

F0-USON8 3x2mm

长度	3.00mm
宽度	2.00mm
厚度 (最大)	0.40mm
间距	0.50mm

Y

WSON8 8x6mm

长度	8.00mm
宽度	6.00mm
厚度 (最大)	0.80mm
间距	1.27mm

L/3/4

WLCSP

取决于具体产品

B

TFBGA-24ball 6x8mm (5x5ball array)

长度	6.00mm
宽度	8.00mm
厚度 (最大)	1.20mm
间距	1.00mm

E

USON8 3x2mm

长度	3.00mm
宽度	2.00mm
厚度 (最大)	0.50mm
间距	0.50mm

E4

USON8 3x2mm-0.4mm

长度	3.00mm
宽度	2.00mm
厚度 (最大)	0.40mm
间距	0.50mm

XH

F0-USON8 3x3mm

长度	3.00mm
宽度	3.00mm
厚度 (最大)	0.40mm
间距	0.80mm

L

FBGA63

长度	9.00mm
宽度	11.00mm
厚度 (最大)	1.00mm
间距	0.80mm

M

TSOP48

长度	20.00mm
宽度	12.00mm
厚度 (最大)	1.20mm
间距	0.50mm

GD32 MCU 型号家族

内核 / 类型	Arm® Cortex®-M 32-bit MCUs (Flash KB/RAM KB)					RISC-V MCUs
	Cortex®-M23	Cortex®-M3	Cortex®-M4	Cortex®-M33	Cortex®-M7	RISC-V
高性能		GD32F207 120MHz, 3M/256K GD32F205 120MHz, 3M/256K	GD32F470 240MHz, 3M/768K GD32F450 200MHz, 3M/512K GD32F427 200MHz, 3M/256K GD32F425 200MHz, 3M/256K GD32F407 168MHz, 3M/192K GD32F405 168MHz, 3M/192K GD32F403 168MHz, 3M/128K	GD32G553 216MHz, 512K/128K GD32F527 200MHz, 7.5M/1M GD32E518 180MHz, 512K/128K GD32E517 180MHz, 512K/128K GD32E513 180MHz, 512K/128K GD32E508 180MHz, 512K/128K GD32E507 180MHz, 512K/128K GD32E505 180MHz, 512K/128K GD32E503 180MHz, 512K/128K	GD32H75E 600MHz, 3840K/1024K GD32H759 600MHz, 3840K/1024K GD32H757 600MHz, 3840K/1024K GD32H737 600MHz, 3840K/1024K	
主流型		GD32F107 108MHz, 1M/96K GD32F105 108MHz, 1M/96K GD32F103 108MHz, 3M/96K GD32F101 56MHz, 3M/80K	GD32F307 120MHz, 1M/96K GD32F305 120MHz, 1M/96K GD32F303 120MHz, 3M/96K GD32C113 120MHz, 128K/32K GD32E113 120MHz, 128K/32K GD32C103 120MHz, 128K/32K GD32E103 120MHz, 128K/32K	GD32E502 100MHz, 384K/48K		GD32VF103 120MHz, 128K/32K
入门级	GD32E235 72MHz, 128K/16K GD32E230 72MHz, 64K/8K	GD32F150 72MHz, 64K/8K GD32F130 48MHz, 64K/8K	GD32F350 108MHz, 128K/16K GD32F330 84MHz, 128K/16K GD32F310 72MHz, 64K/8K			
低功耗	GD32L235 64MHz, 128K/24K GD32L233 64MHz, 256K/32K					
无线				GD32W515 180MHz, 2048K/448K		GD32VW553 160MHz, 4M/320K
车规			GD32A490 240MHz, 3M/768K GD32A103 120MHz, 128K/32K	GD32A513 100MHz, 384K/48K GD32A503 100MHz, 384K/48K GD32A508 180MHz, 512K/128K	GD32A74x 160MHz, Lockstepl core GD32A72x 160MHz, Dual core GD32A71x 160MHz, Single core	
专用	GD32E232 72MHz, 64K/8K		GD32FFPR 168MHz, 1M/128K	GD32E501 100MHz, 512K/32K GD32EPRT 168MHz,384K/96K+4M		

高性能MCU

GD32H7系列
ARM® Cortex®-M7内核32位超高性能MCU选型

Series	Part No.	Max Speed (MHz)	Memory (Bytes)		I/O	Timer								Connectivity												EXMC	Analog Interface				Package
			Flash	SRAM		GPTM (16bit)	GPTM (32bit)	Ad-vanced TM (16bit)	Basic TM (32bit)	Basic TM (64bit)	SysTick (24bit)	WDG	RTC	U(S) ART	I^2C	SPI	OSPI	CAN 2.0B	I^2S	USB OTG	Ethernet	EtherCAT Slave Controller (ESC)	SDIO	LCD-TFT	SAI		14bit ADC Units (CHs)	12bit ADC Units (CHs)	12bit DAC Units	COMP	
GD32H737	GD32H737VGT6	600	1024K	1024K	up to 78	10	4	2	2	2	1	2	1	8	4	5	1	2	4	1	1		2		2	•	1(14), 1(12)	1(4)	1	2	LQFP100
	GD32H737VIT6	600	2048K	1024K	up to 78	10	4	2	2	2	1	2	1	8	4	5	1	3	4	1	1		2	1	2	•	1(14), 1(12)	1(4)	1	2	LQFP100
	GD32H737VMT6	600	3840K	1024K	up to 78	10	4	2	2	2	1	2	1	8	4	5	1	3	4	1	1		2	1	2	•	1(14), 1(12)	1(4)	1	2	LQFP100
	GD32H737ZGT6	600	1024K	1024K	up to 110	12	4	2	2	2	1	2	1	8	4	6	2	2	4	1	1		2		3	•	1(16), 1(14)	1(12)	1	2	LQFP144
	GD32H737ZIT6	600	2048K	1024K	up to 110	12	4	2	2	2	1	2	1	8	4	6	2	3	4	1	1		2	1	3	•	1(16), 1(14)	1(12)	1	2	LQFP144
	GD32H737ZMT6	600	3840K	1024K	up to 110	12	4	2	2	2	1	2	1	8	4	6	2	3	4	1	1		2	1	3	•	1(16), 1(14)	1(12)	1	2	LQFP144
	GD32H737IGT6	600	1024K	1024K	up to 115	12	4	2	2	2	1	2	1	8	4	6	2	2	4	2	1		2		3	•	1(16), 1(14)	1(12)	1	2	LQFP176
	GD32H737IIT6	600	2048K	1024K	up to 115	12	4	2	2	2	1	2	1	8	4	6	2	3	4	2	1		2	1	3	•	1(16), 1(14)	1(12)	1	2	LQFP176
	GD32H737IMT6	600	3840K	1024K	up to 115	12	4	2	2	2	1	2	1	8	4	6	2	3	4	2	1		2	1	3	•	1(16), 1(14)	1(12)	1	2	LQFP176
	GD32H737IGK6	600	1024K	1024K	up to 124	12	4	2	2	2	1	2	1	8	4	6	2	2	4	2	2		2		3	•	1(20), 1(18)	1(17)	1	2	BGA176
	GD32H737IIK6	600	2048K	1024K	up to 124	12	4	2	2	2	1	2	1	8	4	6	2	3	4	2	2		2	1	3	•	1(20), 1(18)	1(17)	1	2	BGA176
	GD32H737IMK6	600	3840K	1024K	up to 124	12	4	2	2	2	1	2	1	8	4	6	2	3	4	2	2		2	1	3	•	1(20), 1(18)	1(17)	1	2	BGA176
GD32H757	GD32H757VGT6	600	1024K	1024K	up to 78	10	4	2	2	2	1	2	1	8	4	5	1	3xFD	4	1	1		2	1	2	•	1(14), 1(12)	1(4)	1	2	LQFP100
	GD32H757VIT6	600	2048K	1024K	up to 78	10	4	2	2	2	1	2	1	8	4	5	1	3xFD	4	1	1		2	1	2	•	1(14), 1(12)	1(4)	1	2	LQFP100
	GD32H757VMT6	600	3840K	1024K	up to 78	10	4	2	2	2	1	2	1	8	4	5	1	3xFD	4	1	1		2	1	2	•	1(14), 1(12)	1(4)	1	2	LQFP100
	GD32H757VGJ6	600	1024K	1024K	up to 78	10	4	2	2	2	1	2	1	8	4	5	1	3xFD	4	1	1		2	1	2	•	1(14), 1(12)	1(4)	1	2	BGA100
	GD32H757VIJ6	600	2048K	1024K	up to 78	10	4	2	2	2	1	2	1	8	4	5	1	3xFD	4	1	1		2	1	2	•	1(14), 1(12)	1(4)	1	2	BGA100
	GD32H757VMJ6	600	3840K	1024K	up to 78	10	4	2	2	2	1	2	1	8	4	5	1	3xFD	4	1	1		2	1	2	•	1(14), 1(12)	1(4)	1	2	BGA100
	GD32H757ZGT6	600	1024K	1024K	up to 110	12	4	2	2	2	1	2	1	8	4	6	2	3xFD	4	1	1		2	1	3	•	1(16), 1(14)	1(12)	1	2	LQFP144
	GD32H757ZIT6	600	2048K	1024K	up to 110	12	4	2	2	2	1	2	1	8	4	6	2	3xFD	4	1	1		2	1	3	•	1(16), 1(14)	1(12)	1	2	LQFP144
	GD32H757ZMT6	600	3840K	1024K	up to 110	12	4	2	2	2	1	2	1	8	4	6	2	3xFD	4	1	1		2	1	3	•	1(16), 1(14)	1(12)	1	2	LQFP144
GD32H759	GD32H759IGT6	600	1024K	1024K	up to 115	12	4	2	2	2	1	2	1	8	4	6	2	3xFD	4	2	1		2	1	3	•	1(16), 1(14)	1(12)	1	2	LQFP176
	GD32H759IIT6	600	2048K	1024K	up to 115	12	4	2	2	2	1	2	1	8	4	6	2	3xFD	4	2	1		2	1	3	•	1(16), 1(14)	1(12)	1	2	LQFP176
	GD32H759IMT6	600	3840K	1024K	up to 115	12	4	2	2	2	1	2	1	8	4	6	2	3xFD	4	2	1		2	1	3	•	1(16), 1(14)	1(12)	1	2	LQFP176
	GD32H759IGK6	600	1024K	1024K	up to 124	12	4	2	2	2	1	2	1	8	4	6	2	3xFD	4	2	2		2	1	3	•	1(20), 1(18)	1(17)	1	2	BGA176
	GD32H759IIK6	600	2048K	1024K	up to 124	12	4	2	2	2	1	2	1	8	4	6	2	3xFD	4	2	2		2	1	3	•	1(20), 1(18)	1(17)	1	2	BGA176
	GD32H759IMK6	600	3840K	1024K	up to 124	12	4	2	2	2	1	2	1	8	4	6	2	3xFD	4	2	2		2	1	3	•	1(20), 1(18)	1(17)	1	2	BGA176
GD32H75E	GD32H75EYMJ6	600	3840K	1024K	up to 116	10	4	2	2	2	1	2	1	8	4	6	1	3xFD	4	2	2xPHY	1				•	2(22)	1(15)	1	2	BGA240
	GD32H75EYMJ6B	600	3840K	1024K	up to 113	9	3	2	2	2	1	2	1	8	4	6	1	3xFD	4	2	0	1				•	2(20)	1(15)	1	2	BGA240

高性能MCU

GD32G5系列
ARM® Cortex®-M33内核32位高性能MCU选型

Series	Part No.	Max Speed (MHz)	Memory (Bytes)		I/O	Timer									Connectivity							EXMC	AES/DES	Analog Interface		Package
			Flash	SRAM		GPTM (16bit)	GPTM (32bit)	LPTM (16bit)	HRTM (16bit)	Advanced TM (16bit)	Basic TM (16bit)	SysTick (24bit)	WDG	RTC	U(S)ART	I^2C	SPI	QSPI	CAN	COMP	TRIGSEL			12bit ADC Units(CHs)	12bit DAC Units	
GD32G553	GD32G553CCU7	216	256K	128K	up to 43	5	2	1	1	3	2	1	2	1	3+2	4	3	1	3xFD	7	1		•	4(21)	8	QFN48
	GD32G553CEU7	216	512K	128K	up to 43	5	2	1	1	3	2	1	2	1	3+2	4	3	1	3xFD	7	1		•	4(21)	8	QFN48
	GD32G553CCT7	216	256K	128K	up to 39	5	2	1	1	3	2	1	2	1	3+2	4	3	1	3xFD	7	1		•	4(20)	8	LQFP48
	GD32G553CET7	216	512K	128K	up to 39	5	2	1	1	3	2	1	2	1	3+2	4	3	1	3xFD	7	1		•	4(20)	8	LQFP48
	GD32G553RCT7	216	256K	128K	up to 52	5	2	1	1	3	2	1	2	1	3+2	4	3	1	3xFD	7	1		•	4(26)	8	LQFP64
	GD32G553RET7	216	512K	128K	up to 52	5	2	1	1	3	2	1	2	1	3+2	4	3	1	3xFD	7	1		•	4(26)	8	LQFP64
	GD32G553MCT7	216	256K	128K	up to 66	5	2	1	1	3	2	1	2	1	3+2	4	3	1	3xFD	8	1	1	•	4(38)	8	LQFP80
	GD32G553MET7	216	512K	128K	up to 66	5	2	1	1	3	2	1	2	1	3+2	4	3	1	3xFD	8	1	1	•	4(38)	8	LQFP80
	GD32G553MCY7TR	216	256K	128K	up to 66	5	2	1	1	3	2	1	2	1	3+2	4	3	1	3xFD	8	1	1	•	4(39)	8	WLCSP81
	GD32G553MEY7TR	216	512K	128K	up to 66	5	2	1	1	3	2	1	2	1	3+2	4	3	1	3xFD	8	1	1	•	4(39)	8	WLCSP81
	GD32G553VCT7	216	256K	128K	up to 86	5	2	1	1	3	2	1	2	1	3+2	4	3	1	3xFD	8	1	1	•	4(42)	8	LQFP100
	GD32G553VET7	216	512K	128K	up to 86	5	2	1	1	3	2	1	2	1	3+2	4	3	1	3xFD	8	1	1	•	4(42)	8	LQFP100
	GD32G553QCT7	216	256K	128K	up to 107	5	2	1	1	3	2	1	2	1	3+2	4	3	1	3xFD	8	1	1	•	4(42)	8	LQFP128
	GD32G553QET7	216	512K	128K	up to 107	5	2	1	1	3	2	1	2	1	3+2	4	3	1	3xFD	8	1	1	•	4(42)	8	LQFP128

GD32F5系列
ARM® Cortex®-M33内核32位高性能MCU选型

Series	Part No.	Max Speed (MHz)	Memory (Bytes)			I/O	Timer						Connectivity												EXMC/ SDRAM	Analog Interface		Package
			Flash	Code-Flash	SRAM		GPTM (16bit)	Adv TM (16bit)	GPTM (32bit)	Basic TM (16bit)	WDG	RTC	U(S)ART /LIN	I^2C	SPI	CAN 2.0B	USB OTG	I^2S	SDIO	SAI	LCD- TFT	Camera	Ethernet	IPA		12bit ADC Units (CHs)	12bit DAC Units	
GD32F527	GD32F527RMT7	200	4096K	1536K	1088K	up to 51	8	2	2	2	2	1	4+2	3	3	2xFD	FS+HS	2	1	0	0	1	1	0		3(16)	2	LQFP64
	GD32F527RST7	200	7680K	2048K	576K	up to 51	8	2	2	2	2	1	4+2	3	3	2xFD	FS+HS	2	1	0	0	1	1	0		3(16)	2	LQFP64
	GD32F527VMT7	200	4096K	1536K	1088K	up to 82	8	2	2	2	2	1	4+4	3	5	2xFD	FS+HS	2	1	1	1	1	1	1	1/0	3(16)	2	LQFP100
	GD32F527VST7	200	7680K	2048K	576K	up to 82	8	2	2	2	2	1	4+4	3	5	2xFD	FS+HS	2	1	1	1	1	1	1	1/0	3(16)	2	LQFP100
	GD32F527ZMT7	200	4096K	1536K	1088K	up to 114	8	2	2	2	2	1	4+4	6	6	2xFD	FS+HS	2	1	1	1	1	1	1	1/1	3(24)	2	LQFP144
	GD32F527ZST7	200	7680K	2048K	576K	up to 114	8	2	2	2	2	1	4+4	6	6	2xFD	FS+HS	2	1	1	1	1	1	1	1/1	3(24)	2	LQFP144
	GD32F527IMT7	200	4096K	1536K	1088K	up to 140	8	2	2	2	2	1	4+4	6	6	2xFD	FS+HS	2	1	1	1	1	1	1	1/1	3(24)	2	LQFP176
	GD32F527IST7	200	7680K	2048K	576K	up to 140	8	2	2	2	2	1	4+4	6	6	2xFD	FS+HS	2	1	1	1	1	1	1	1/1	3(24)	2	LQFP176
	GD32F527IMK7	200	4096K	1536K	1088K	up to 140	8	2	2	2	2	1	4+4	6	6	2xFD	FS+HS	2	1	1	1	1	1	1	1/1	3(24)	2	BGA176
	GD32F527ISK7	200	7680K	2048K	576K	up to 140	8	2	2	2	2	1	4+4	6	6	2xFD	FS+HS	2	1	1	1	1	1	1	1/1	3(24)	2	BGA176

高性能MCU

GD32F4系列
ARM® Cortex®-M4内核32位高性能MCU选型

Series	Part No.	Max Speed (MHz)	Memory (Bytes)		I/O	Timer						Connectivity											EXMC/ SDRAM	Analog Interface		Package
			Flash	SRAM		GPTM (16bit)	Adv TM (16bit)	GPTM (32bit)	Basic TM (16bit)	WDG	RTC	U(S)ART +UART	I^2C	SPI	CAN 2.0B	USB OTG	I^2S	SDIO	LCD- SDIO TFT	Camera	ETH MAC	IPA		12bit ADC Units (CHs)	12bit DAC Units	
GD32F425	GD32F425RET6	200	512K	256K	up to 51	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1				3(16)	2	LQFP64
	GD32F425RGT6	200	1024K	256K	up to 51	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1				3(16)	2	LQFP64
	GD32F425RKT6	200	3072K	256K	up to 51	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1				3(16)	2	LQFP64
	GD32F425VGT6	200	1024K	256K	up to 82	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1				3(16)	2	LQFP100
	GD32F425VKT6	200	3072K	256K	up to 82	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1				3(16)	2	LQFP100
	GD32F425VGH6	200	1024K	256K	up to 82	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1				3(16)	2	BGA100
	GD32F425VKH6	200	3072K	256K	up to 82	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1				3(16)	2	BGA100
	GD32F425ZGT6	200	1024K	256K	up to 114	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1				3(24)	2	LQFP144
	GD32F425ZKT6	200	3072K	256K	up to 114	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1				3(24)	2	LQFP144
GD32F427	GD32F427RET6	200	512K	256K	up to 51	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1	1			3(16)	2	LQFP64
	GD32F427RGT6	200	1024K	256K	up to 51	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1	1			3(16)	2	LQFP64
	GD32F427RKT6	200	3072K	256K	up to 51	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1	1			3(16)	2	LQFP64
	GD32F427VET6	200	512K	256K	up to 82	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1	1		1/0	3(16)	2	LQFP100
	GD32F427VGT6	200	1024K	256K	up to 82	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1	1		1/0	3(16)	2	LQFP100
	GD32F427VKT6	200	3072K	256K	up to 82	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1	1		1/0	3(16)	2	LQFP100
	GD32F427VEH6	200	512K	256K	up to 82	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1	1		1/0	3(16)	2	BGA100
	GD32F427VGH6	200	1024K	256K	up to 82	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1	1		1/0	3(16)	2	BGA100
	GD32F427VKH6	200	3072K	256K	up to 82	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1	1		1/0	3(16)	2	BGA100
	GD32F427ZET6	200	512K	256K	up to 114	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1	1		1/1	3(24)	2	LQFP144
	GD32F427ZGT6	200	1024K	256K	up to 114	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1	1		1/1	3(24)	2	LQFP144
	GD32F427ZKT6	200	3072K	256K	up to 114	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1	1		1/1	3(24)	2	LQFP144
	GD32F427IEH6	200	512K	256K	up to 140	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1	1		1/1	3(24)	2	BGA176
	GD32F427IGH6	200	1024K	256K	up to 140	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1	1		1/1	3(24)	2	BGA176
	GD32F427IKH6	200	3072K	256K	up to 140	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1	1		1/1	3(24)	2	BGA176
GD32F470	GD32F470VET6	240	512K	256K	up to 82	8	2	2	2	2	1	4+4	3	5	2	FS+HS	2	1	1	1	1	1	1/0	3(16)	2	LQFP100
	GD32F470VGT6	240	1024K	512K	up to 82	8	2	2	2	2	1	4+4	3	5	2	FS+HS	2	1	1	1	1	1	1/0	3(16)	2	LQFP100
	GD32F470VIT6	240	2048K	768K	up to 82	8	2	2	2	2	1	4+4	3	5	2	FS+HS	2	1	1	1	1	1	1/0	3(16)	2	LQFP100
	GD32F470VKT6	240	3072K	256K	up to 82	8	2	2	2	2	1	4+4	3	5	2	FS+HS	2	1	1	1	1	1	1/0	3(16)	2	LQFP100
	GD32F470VGH6	240	1024K	512K	up to 82	8	2	2	2	2	1	4+4	3	5	2	FS+HS	2	1	1	1	1	1	1/0	3(16)	2	BGA100
	GD32F470VIH6	240	2048K	768K	up to 82	8	2	2	2	2	1	4+4	3	5	2	FS+HS	2	1	1	1	1	1	1/0	3(16)	2	BGA100
	GD32F470VKH6	240	3072K	256K	up to 82	8	2	2	2	2	1	4+4	3	5	2	FS+HS	2	1	1	1	1	1	1/0	3(16)	2	BGA100
	GD32F470ZET6	240	512K	256K	up to 114	8	2	2	2	2	1	4+4	3	6	2	FS+HS	2	1	1	1	1	1	1/1	3(24)	2	LQFP144
	GD32F470ZGT6	240	1024K	512K	up to 114	8	2	2	2	2	1	4+4	3	6	2	FS+HS	2	1	1	1	1	1	1/1	3(24)	2	LQFP144
	GD32F470ZIT6	240	2048K	768K	up to 114	8	2	2	2	2	1	4+4	3	6	2	FS+HS	2	1	1	1	1	1	1/1	3(24)	2	LQFP144
	GD32F470ZKT6	240	3072K	256K	up to 114	8	2	2	2	2	1	4+4	3	6	2	FS+HS	2	1	1	1	1	1	1/1	3(24)	2	LQFP144
	GD32F470IGH6	240	1024K	512K	up to 140	8	2	2	2	2	1	4+4	3	6	2	FS+HS	2	1	1	1	1	1	1/1	3(24)	2	BGA176
	GD32F470IIH6	240	2048K	768K	up to 140	8	2	2	2	2	1	4+4	3	6	2	FS+HS	2	1	1	1	1	1	1/1	3(24)	2	BGA176
	GD32F470IKH6	240	3072K	256K	up to 140	8	2	2	2	2	1	4+4	3	6	2	FS+HS	2	1	1	1	1	1	1/1	3(24)	2	BGA176

高性能MCU

GD32F4系列
ARM® Cortex®-M4内核32位高性能MCU选型

Series	Part No.	Max Speed (MHz)	Memory (Bytes)		I/O	Timer						Connectivity											EXMC/ SDRAM	Analog Interface		Package
			Flash	SRAM		GPTM (16bit)	Adv TM (16bit)	GPTM (32bit)	Basic TM (16bit)	WDG	RTC	U(S)ART +UART	I^2C	SPI	CAN 2.0B	USB OTG	I^2S	SDIO	LCD- SDIO TFT	Camera	ETH MAC	IPA		12bit ADC Units (CHs)	12bit DAC Units	
GD32F403	GD32F403RCT6	168	256K	64K	up to 51	8	2		2	2	1	3+2	2	3	2	OTG	2	1					0/0	3(16)	2	LQFP64
	GD32F403RET6	168	512K	96K	up to 51	8	2		2	2	1	3+2	2	3	2	OTG	2	1					0/0	3(16)	2	LQFP64
	GD32F403RGT6	168	1024K	128K	up to 51	8	2		2	2	1	3+2	2	3	2	OTG	2	1					0/0	3(16)	2	LQFP64
	GD32F403RIT6	168	2048K	128K	up to 51	8	2		2	2	1	3+2	2	3	2	OTG	2	1					0/0	3(16)	2	LQFP64
	GD32F403RKT6	168	3072K	128K	up to 51	8	2		2	2	1	3+2	2	3	2	OTG	2	1					0/0	3(16)	2	LQFP64
	GD32F403VCT6	168	256K	64K	up to 80	8	2		2	2	1	3+2	2	3	2	OTG	2	1					1/0	3(16)	2	LQFP100
	GD32F403VET6	168	512K	96K	up to 80	8	2		2	2	1	3+2	2	3	2	OTG	2	1					1/0	3(16)	2	LQFP100
	GD32F403VGT6	168	1024K	128K	up to 80	8	2		2	2	1	3+2	2	3	2	OTG	2	1					1/0	3(16)	2	LQFP100
	GD32F403VIT6	168	2048K	128K	up to 80	8	2		2	2	1	3+2	2	3	2	OTG	2	1					1/0	3(16)	2	LQFP100
	GD32F403VKT6	168	3072K	128K	up to 80	8	2		2	2	1	3+2	2	3	2	OTG	2	1					1/0	3(16)	2	LQFP100
	GD32F403VCH6	168	256K	64K	up to 80	8	2		2	2	1	3+2	2	3	2	OTG	2	1					1/0	3(16)	2	BGA100
	GD32F403VEH6	168	512K	96K	up to 80	8	2		2	2	1	3+2	2	3	2	OTG	2	1					1/0	3(16)	2	BGA100
	GD32F403VGH6	168	1024K	128K	up to 80	8	2		2	2	1	3+2	2	3	2	OTG	2	1					1/0	3(16)	2	BGA100
	GD32F403VIH6	168	2048K	128K	up to 80	8	2		2	2	1	3+2	2	3	2	OTG	2	1					1/0	3(16)	2	BGA100
	GD32F403VKH6	168	3072K	128K	up to 80	8	2		2	2	1	3+2	2	3	2	OTG	2	1					1/0	3(16)	2	BGA100
	GD32F403ZCT6	168	256K	64K	up to 112	8	2		2	2	1	3+2	2	3	2	OTG	2	1					1/0	3(21)	2	LQFP144
	GD32F403ZET6	168	512K	96K	up to 112	8	2		2	2	1	3+2	2	3	2	OTG	2	1					1/0	3(21)	2	LQFP144
	GD32F403ZGT6	168	1024K	128K	up to 112	8	2		2	2	1	3+2	2	3	2	OTG	2	1					1/0	3(21)	2	LQFP144
	GD32F403ZIT6	168	2048K	128K	up to 112	8	2		2	2	1	3+2	2	3	2	OTG	2	1					1/0	3(21)	2	LQFP144
	GD32F403ZKT6	168	3072K	128K	up to 112	8	2		2	2	1	3+2	2	3	2	OTG	2	1					1/0	3(21)	2	LQFP144
GD32F405	GD32F405RET6	168	512K	192K	up to 51	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1				3(16)	2	LQFP64
	GD32F405RGT6	168	1024K	192K	up to 51	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1				3(16)	2	LQFP64
	GD32F405RKT6	168	3072K	192K	up to 51	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1				3(16)	2	LQFP64
	GD32F405VGT6	168	1024K	192K	up to 82	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1				3(16)	2	LQFP100
	GD32F405VKT6	168	3072K	192K	up to 82	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1				3(16)	2	LQFP100
	GD32F405VGH6	168	1024K	192K	up to 82	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1				3(16)	2	BGA100
	GD32F405VKH6	168	3072K	192K	up to 82	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1				3(16)	2	BGA100
	GD32F405ZGT6	168	1024K	192K	up to 114	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1				3(24)	2	LQFP144
	GD32F405ZKT6	168	3072K	192K	up to 114	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1				3(24)	2	LQFP144

高性能MCU

GD32F4系列
ARM® Cortex®-M4内核32位高性能MCU选型

Series	Part No.	Max Speed (MHz)	Memory (Bytes)		I/O	Timer						Connectivity											EXMC/ SDRAM	Analog Interface		Package
			Flash	SRAM		GPTM (16bit)	Adv TM (16bit)	GPTM (32bit)	Basic TM (16bit)	WDG	RTC	U(S)ART +UART	I^2C	SPI	CAN 2.0B	USB OTG	I^2S	SDIO	LCD- SDIO TFT	Camera	ETH MAC	IPA		12bit ADC Units (CHs)	12bit DAC Units	
GD32F407	GD32F407RET6	168	512K	192K	up to 51	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1	1			3(16)	2	LQFP64
	GD32F407RGT6	168	1024K	192K	up to 51	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1	1			3(16)	2	LQFP64
	GD32F407RKT6	168	3072K	192K	up to 51	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1	1			3(16)	2	LQFP64
	GD32F407VET6	168	512K	192K	up to 82	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1	1		1/0	3(16)	2	LQFP100
	GD32F407VGT6	168	1024K	192K	up to 82	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1	1		1/0	3(16)	2	LQFP100
	GD32F407VKT6	168	3072K	192K	up to 82	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1	1		1/0	3(16)	2	LQFP100
	GD32F407VEH6	168	512K	192K	up to 82	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1	1		1/0	3(16)	2	BGA100
	GD32F407VGH6	168	1024K	192K	up to 82	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1	1		1/0	3(16)	2	BGA100
	GD32F407VKH6	168	3072K	192K	up to 82	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1	1		1/0	3(16)	2	BGA100
	GD32F407ZET6	168	512K	192K	up to 114	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1	1		1/1	3(24)	2	LQFP144
	GD32F407ZGT6	168	1024K	192K	up to 114	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1	1		1/1	3(24)	2	LQFP144
	GD32F407ZKT6	168	3072K	192K	up to 114	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1	1		1/1	3(24)	2	LQFP144
	GD32F407IEH6	168	512K	192K	up to 140	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1	1		1/1	3(24)	2	BGA176
	GD32F407IGH6	168	1024K	192K	up to 140	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1	1		1/1	3(24)	2	BGA176
	GD32F407IKH6	168	3072K	192K	up to 140	8	2	2	2	2	1	4+2	3	3	2	FS+HS	2	1		1	1		1/1	3(24)	2	BGA176
GD32F450	GD32F450VET6	200	512K	256K	up to 82	8	2	2	2	2	1	4+4	3	5	2	FS+HS	2	1	1	1	1	1	1/0	3(16)	2	LQFP100
	GD32F450VGT6	200	1024K	256K	up to 82	8	2	2	2	2	1	4+4	3	5	2	FS+HS	2	1	1	1	1	1	1/0	3(16)	2	LQFP100
	GD32F450VIT6	200	2048K	512K	up to 82	8	2	2	2	2	1	4+4	3	5	2	FS+HS	2	1	1	1	1	1	1/0	3(16)	2	LQFP100
	GD32F450VKT6	200	3072K	256K	up to 82	8	2	2	2	2	1	4+4	3	5	2	FS+HS	2	1	1	1	1	1	1/0	3(16)	2	LQFP100
	GD32F450ZET6	200	512K	256K	up to 114	8	2	2	2	2	1	4+4	3	6	2	FS+HS	2	1	1	1	1	1	1/1	3(24)	2	LQFP144
	GD32F450ZGT6	200	1024K	256K	up to 114	8	2	2	2	2	1	4+4	3	6	2	FS+HS	2	1	1	1	1	1	1/1	3(24)	2	LQFP144
	GD32F450ZIT6	200	2048K	512K	up to 114	8	2	2	2	2	1	4+4	3	6	2	FS+HS	2	1	1	1	1	1	1/1	3(24)	2	LQFP144
	GD32F450ZKT6	200	3072K	256K	up to 114	8	2	2	2	2	1	4+4	3	6	2	FS+HS	2	1	1	1	1	1	1/1	3(24)	2	LQFP144
	GD32F450IGH6	200	1024K	256K	up to 140	8	2	2	2	2	1	4+4	3	6	2	FS+HS	2	1	1	1	1	1	1/1	3(24)	2	BGA176
	GD32F450IIH6	200	2048K	512K	up to 140	8	2	2	2	2	1	4+4	3	6	2	FS+HS	2	1	1	1	1	1	1/1	3(24)	2	BGA176
	GD32F450IKH6	200	3072K	256K	up to 140	8	2	2	2	2	1	4+4	3	6	2	FS+HS	2	1	1	1	1	1	1/1	3(24)	2	BGA176

高性能MCU

GD32E51x系列
ARM® Cortex®-M33内核32位高性能MCU选型

Series	Part No.	Max Speed (MHz)	Memory (Bytes)		I/O	Timer							Connectivity											EXMC	Analog Interface		Package
			Flash	SRAM		GPTM (32bit)	GPTM (16bit)	Advanced TM (16bit)	Basic TM (16bit)	SysTick (24bit)	WDG	RTC	U(S)ART +UART	I^2C	SPI	CAN 2.0B	USB 2.0	I^2S	SDIO	Ethernet	TMU	HRTIM	COMP		12bit ADC Units (CHs)	12bit DAC Units	
GD32E513	GD32E513CCO6	180	256K	96K	up to 37	1	6	1	2	1	2	1	3+0	3	3	2	FS	2			•	•	3		3(10)	3	QFN48
	GD32E513CCT6	180	256K	96K	up to 37	1	6	1	2	1	2	1	3+0	3	3	2	FS	2			•	•	3		3(10)	3	LQFP48
	GD32E513CET6	180	512K	128K	up to 37	1	12	1	2	1	2	1	3+0	3	3	2	FS	2			•	•	3		3(10)	3	LQFP48
	GD32E513RCT6	180	256K	96K	up to 51	1	6	2	2	1	2	1	4+2	3	3	2	FS	2	1		•	•	3		3(16)	3	LQFP64
	GD32E513RET6	180	512K	128K	up to 51	1	12	2	2	1	2	1	4+2	3	3	2	FS	2	1		•	•	3		3(16)	3	LQFP64
	GD32E513VCT6	180	256K	96K	up to 80	1	6	2	2	1	2	1	4+2	3	3	2	FS	2	1		•	•	3	•	3(16)	3	LQFP100
	GD32E513VET6	180	512K	128K	up to 80	1	12	2	2	1	2	1	4+2	3	3	2	FS	2	1		•	•	3	•	3(16)	3	LQFP100
	GD32E513ZCT6	180	256K	96K	up to 112	1	6	2	2	1	2	1	4+2	3	3	2	FS	2	1		•	•	3	•	3(21)	3	LQFP144
	GD32E513ZET6	180	512K	128K	up to 112	1	12	2	2	1	2	1	4+2	3	3	2	FS	2	1		•	•	3	•	3(21)	3	LQFP144
GD32E517	GD32E517RCT6	180	256K	96K	up to 51	1	6	1	2	1	2	1	4+2	3	3	3	HS OTG	2	1	•	•	•	3		3(16)	3	LQFP64
	GD32E517RET6	180	512K	128K	up to 51	1	12	2	2	1	2	1	4+2	3	3	3	HS OTG	2	1	•	•	•	3		3(16)	3	LQFP64
	GD32E517VCT6	180	256K	96K	up to 80	1	6	1	2	1	2	1	4+2	3	3	3	HS OTG	2	1	•	•	•	3	•	3(16)	3	LQFP100
	GD32E517VET6	180	512K	128K	up to 80	1	12	2	2	1	2	1	4+2	3	3	3	HS OTG	2	1	•	•	•	3	•	3(16)	3	LQFP100
	GD32E517ZCT6	180	256K	96K	up to 112	1	6	2	2	1	2	1	4+2	3	3	3	HS OTG	2	1	•	•	•	3	•	3(21)	3	LQFP144
	GD32E517ZET6	180	512K	128K	up to 112	1	12	2	2	1	2	1	4+2	3	3	3	HS OTG	2	1	•	•	•	3	•	3(21)	3	LQFP144
GD32E518	GD32E518CET6	180	512K	128K	up to 37	1	12	2	2	1	2	1	3+0	3	3	3xFD	HS OTG	2			•	•	3		3(10)	3	LQFP48
	GD32E518RET6	180	512K	128K	up to 51	1	12	2	2	1	2	1	4+2	3	3	3xFD	HS OTG	2	1	•	•	•	3		3(16)	3	LQFP64
	GD32E518VET6	180	512K	128K	up to 80	1	12	2	2	1	2	1	4+2	3	3	3xFD	HS OTG	2	1	•	•	•	3	•	3(16)	3	LQFP100
	GD32E518ZET6	180	512K	128K	up to 112	1	12	2	2	1	2	1	4+2	3	3	3xFD	HS OTG	2	1	•	•	•	3	•	3(21)	3	LQFP144

高性能MCU

GD32E5系列
ARM® Cortex®-M33内核32位高性能MCU选型

Series	Part No.	Max Speed (MHz)	Memory (Bytes)		I/O	Timer							Connectivity											EXMC	Analog Interface		Package
			Flash	SRAM		GPTM (32bit)	GPTM (16bit)	Advanced TM (16bit)	Basic TM (16bit)	SysTick (24bit)	WDG	RTC	U(S)ART +UART	I^2C	SPI	CAN 2.0B	USB 2.0	I^2S	SDIO	Ethernet	TMU	HRTIM	COMP		12bit ADC Units (CHs)	12bit DAC Units	
GD32E503	GD32E503CCT6	180	256K	96K	up to 37	1	3	1	2	1	2	1	3+0	3	3	2	FS	2				•			3(10)	2	LQFP48
	GD32E503CET6	180	512K	128K	up to 37	1	9	1	2	1	2	1	3+0	3	3	2	FS	2				•			3(10)	2	LQFP48
	GD32E503RCT6	180	256K	96K	up to 51	1	3	2	2	1	2	1	4+2	3	3	2	FS	2	1			•			3(16)	2	LQFP64
	GD32E503RET6	180	512K	128K	up to 51	1	9	2	2	1	2	1	4+2	3	3	2	FS	2	1			•			3(16)	2	LQFP64
	GD32E503VCT6	180	256K	96K	up to 80	1	3	2	2	1	2	1	4+2	3	3	2	FS	2	1			•		•	3(16)	2	LQFP100
	GD32E503VET6	180	512K	128K	up to 80	1	9	2	2	1	2	1	4+2	3	3	2	FS	2	1			•		•	3(16)	2	LQFP100
	GD32E503ZCT6	180	256K	96K	up to 112	1	3	2	2	1	2	1	4+2	3	3	2	FS	2	1			•		•	3(21)	2	LQFP144
	GD32E503ZET6	180	512K	128K	up to 112	1	9	2	2	1	2	1	4+2	3	3	2	FS	2	1			•		•	3(21)	2	LQFP144
GD32E505	GD32E505RBT6	180	128K	80K	up to 51	1	3	1	2	1	2	1	4+2	3	3	3	HS OTG	2			•	•	3		2(16)	2	LQFP64
	GD32E505RCT6	180	256K	96K	up to 51	1	3	1	2	1	2	1	4+2	3	3	3	HS OTG	2			•	•	3		2(16)	2	LQFP64
	GD32E505RET6	180	512K	128K	up to 51	1	9	2	2	1	2	1	4+2	3	3	3	HS OTG	2			•	•	3		2(16)	2	LQFP64
	GD32E505VCT6	180	256K	96K	up to 80	1	3	1	2	1	2	1	4+2	3	3	3	HS OTG	2			•	•	3	•	2(16)	2	LQFP100
	GD32E505VET6	180	512K	128K	up to 80	1	9	2	2	1	2	1	4+2	3	3	3	HS OTG	2			•	•	3	•	2(16)	2	LQFP100
	GD32E505ZCT6	180	256K	96K	up to 112	1	3	2	2	1	2	1	4+2	3	3	3	HS OTG	2			•	•	3	•	2(16)	2	LQFP144
	GD32E505ZET6	180	512K	128K	up to 112	1	9	2	2	1	2	1	4+2	3	3	3	HS OTG	2			•	•	3	•	2(16)	2	LQFP144
GD32E507	GD32E507RCT6	180	256K	96K	up to 51	1	3	1	2	1	2	1	4+2	3	3	3	HS OTG	2		•	•	•	3		2(16)	2	LQFP64
	GD32E507RET6	180	512K	128K	up to 51	1	9	2	2	1	2	1	4+2	3	3	3	HS OTG	2		•	•	•	3		2(16)	2	LQFP64
	GD32E507VCT6	180	256K	96K	up to 80	1	3	1	2	1	2	1	4+2	3	3	3	HS OTG	2		•	•	•	3	•	2(16)	2	LQFP100
	GD32E507VET6	180	512K	128K	up to 80	1	9	2	2	1	2	1	4+2	3	3	3	HS OTG	2		•	•	•	3	•	2(16)	2	LQFP100
	GD32E507ZCT6	180	256K	96K	up to 112	1	3	2	2	1	2	1	4+2	3	3	3	HS OTG	2		•	•	•	3	•	2(16)	2	LQFP144
	GD32E507ZET6	180	512K	128K	up to 112	1	9	2	2	1	2	1	4+2	3	3	3	HS OTG	2		•	•	•	3	•	2(16)	2	LQFP144
GD32E508	GD32E508RET6	180	512K	128K	up to 51	1	9	2	2	1	2	1	4+2	3	3	3xFD	HS OTG	2		•	•	•	3		2(16)	2	LQFP64
	GD32E508VET6	180	512K	128K	up to 80	1	9	2	2	1	2	1	4+2	3	3	3xFD	HS OTG	2		•	•	•	3	•	2(16)	2	LQFP100
	GD32E508ZET6	180	512K	128K	up to 112	1	9	2	2	1	2	1	4+2	3	3	3xFD	HS OTG	2		•	•	•	3	•	2(16)	2	LQFP144

高性能MCU

GD32F2系列
ARM® Cortex®-M3内核32位高性能MCU选型

Series	Part No.	Max Speed (MHz)	Memory (Bytes)		I/O	Timer						Connectivity											EXMC/ SDRAM	Analog Interface		Package
			Flash	SRAM		GPTM (16bit)	Adv TM (16bit)	Basic TM (16bit)	SysTick (24bit)	WDG	RTC	U(S)ART +UART	I^2C	SPI	CAN 2.0B	USB 2.0 FS	I^2S	SDIO	LCD- TFT	Camera	ETH MAC	Crypto/ Hash		12bit ADC Units (CHs)	12bit DAC Units	
GD32F205	GD32F205RCT6	120	256K	128K	up to 51	10	2	2	1	2	1	4+2	3	3	2	OTG	2	1						3(16)	2	LQFP64
	GD32F205RET6	120	512K	128K	up to 51	10	2	2	1	2	1	4+2	3	3	2	OTG	2	1						3(16)	2	LQFP64
	GD32F205RGT6	120	1024K	256K	up to 51	10	2	2	1	2	1	4+2	3	3	2	OTG	2	1						3(16)	2	LQFP64
	GD32F205RKT6	120	3072K	256K	up to 51	10	2	2	1	2	1	4+2	3	3	2	OTG	2	1						3(16)	2	LQFP64
	GD32F205VCT6	120	256K	128K	up to 82	10	2	2	1	2	1	4+4	3	3	2	OTG	2	1	1				1/0	3(16)	2	LQFP100
	GD32F205VET6	120	512K	128K	up to 82	10	2	2	1	2	1	4+4	3	3	2	OTG	2	1	1				1/0	3(16)	2	LQFP100
	GD32F205VGT6	120	1024K	256K	up to 82	10	2	2	1	2	1	4+4	3	3	2	OTG	2	1	1				1/0	3(16)	2	LQFP100
	GD32F205VKT6	120	3072K	256K	up to 82	10	2	2	1	2	1	4+4	3	3	2	OTG	2	1	1				1/0	3(16)	2	LQFP100
	GD32F205ZCT6	120	256K	128K	up to 114	10	2	2	1	2	1	4+4	3	3	2	OTG	2	1	1				1/1	3(24)	2	LQFP144
	GD32F205ZET6	120	512K	128K	up to 114	10	2	2	1	2	1	4+4	3	3	2	OTG	2	1	1				1/1	3(24)	2	LQFP144
	GD32F205ZGT6	120	1024K	256K	up to 114	10	2	2	1	2	1	4+4	3	3	2	OTG	2	1	1				1/1	3(24)	2	LQFP144
	GD32F205ZKT6	120	3072K	256K	up to 114	10	2	2	1	2	1	4+4	3	3	2	OTG	2	1	1				1/1	3(24)	2	LQFP144
GD32F207	GD32F207RCT6	120	256K	128K	up to 51	10	2	2	1	2	1	4+2	3	3	2	OTG	2	1		1	1	1		3(16)	2	LQFP64
	GD32F207RET6	120	512K	128K	up to 51	10	2	2	1	2	1	4+2	3	3	2	OTG	2	1		1	1	1		3(16)	2	LQFP64
	GD32F207RGT6	120	1024K	256K	up to 51	10	2	2	1	2	1	4+2	3	3	2	OTG	2	1		1	1	1		3(16)	2	LQFP64
	GD32F207RKT6	120	3072K	256K	up to 51	10	2	2	1	2	1	4+2	3	3	2	OTG	2	1		1	1	1		3(16)	2	LQFP64
	GD32F207VCT6	120	256K	128K	up to 82	10	2	2	1	2	1	4+4	3	3	2	OTG	2	1	1	1	1	1	1/0	3(16)	2	LQFP100
	GD32F207VET6	120	512K	128K	up to 82	10	2	2	1	2	1	4+4	3	3	2	OTG	2	1	1	1	1	1	1/0	3(16)	2	LQFP100
	GD32F207VGT6	120	1024K	256K	up to 82	10	2	2	1	2	1	4+4	3	3	2	OTG	2	1	1	1	1	1	1/0	3(16)	2	LQFP100
	GD32F207VKT6	120	3072K	256K	up to 82	10	2	2	1	2	1	4+4	3	3	2	OTG	2	1	1	1	1	1	1/0	3(16)	2	LQFP100
	GD32F207ZCT6	120	256K	128K	up to 114	10	2	2	1	2	1	4+4	3	3	2	OTG	2	1	1	1	1	1	1/1	3(24)	2	LQFP144
	GD32F207ZET6	120	512K	128K	up to 114	10	2	2	1	2	1	4+4	3	3	2	OTG	2	1	1	1	1	1	1/1	3(24)	2	LQFP144
	GD32F207ZGT6	120	1024K	256K	up to 114	10	2	2	1	2	1	4+4	3	3	2	OTG	2	1	1	1	1	1	1/1	3(24)	2	LQFP144
	GD32F207ZKT6	120	3072K	256K	up to 114	10	2	2	1	2	1	4+4	3	3	2	OTG	2	1	1	1	1	1	1/1	3(24)	2	LQFP144
	GD32F207IET6	120	512K	128K	up to 140	10	2	2	1	2	1	4+4	3	3	2	OTG	2	1	1	1	1	1	1/1	3(24)	2	LQFP176
	GD32F207IGT6	120	1024K	256K	up to 140	10	2	2	1	2	1	4+4	3	3	2	OTG	2	1	1	1	1	1	1/1	3(24)	2	LQFP176
	GD32F207IKT6	120	3072K	256K	up to 140	10	2	2	1	2	1	4+4	3	3	2	OTG	2	1	1	1	1	1	1/1	3(24)	2	LQFP176

主流型MCU

GD32F30x系列
ARM® Cortex®-M4内核32位主流型MCU选型

Series	Part No.	Max Speed (MHz)	Memory (Bytes)		I/O	Timer						Connectivity								EXMC	Analog Interface		Package
			Flash	SRAM		GPTM (16bit)	Advanced TM (16bit)	Basic TM (16bit)	SysTick (24bit)	WDG	RTC	U(S)ART +UART	I^2C	SPI	CAN 2.0B	USB 2.0 FS	I^2S	SDIO	Ethernet		12bit ADC Units (CHs)	12bit DAC Units	
GD32F303	GD32F303CBT6	120	128K	32K	up to 37	4	1	2	1	2	1	3	2	3	1	1	2				3(10)	2	LQFP48
	GD32F303CCT6	120	256K	48K	up to 37	4	1	2	1	2	1	3	2	3	1	1	2				3(10)	2	LQFP48
	GD32F303CET6	120	512K	64K	up to 37	4	1	2	1	2	1	3	2	3	1	1	2				3(10)	2	LQFP48
	GD32F303CGT6	120	1024K	96K	up to 37	10	1	2	1	2	1	3	2	3	1	1	2				3(10)	2	LQFP48
	GD32F303RBT6	120	128K	32K	up to 51	4	2	2	1	2	1	5	2	3	1	1	2				3(16)	2	LQFP64
	GD32F303RCT6	120	256K	48K	up to 51	4	2	2	1	2	1	5	2	3	1	1	2	1			3(16)	2	LQFP64
	GD32F303RET6	120	512K	64K	up to 51	4	2	2	1	2	1	5	2	3	1	1	2	1			3(16)	2	LQFP64
	GD32F303RGT6	120	1024K	96K	up to 51	10	2	2	1	2	1	5	2	3	1	1	2	1			3(16)	2	LQFP64
	GD32F303RIT6	120	2048K	96K	up to 51	10	2	2	1	2	1	5	2	3	1	1	2	1			3(16)	2	LQFP64
	GD32F303RKT6	120	3072K	96K	up to 51	10	2	2	1	2	1	5	2	3	1	1	2	1			3(16)	2	LQFP64
	GD32F303VBT6	120	128K	32K	up to 80	4	2	2	1	2	1	5	2	3	1	1	2			•	3(16)	2	LQFP100
	GD32F303VCT6	120	256K	48K	up to 80	4	2	2	1	2	1	5	2	3	1	1	2	1		•	3(16)	2	LQFP100
	GD32F303VET6	120	512K	64K	up to 80	4	2	2	1	2	1	5	2	3	1	1	2	1		•	3(16)	2	LQFP100
	GD32F303VGT6	120	1024K	96K	up to 80	10	2	2	1	2	1	5	2	3	1	1	2	1		•	3(16)	2	LQFP100
	GD32F303VIT6	120	2048K	96K	up to 80	10	2	2	1	2	1	5	2	3	1	1	2	1		•	3(16)	2	LQFP100
	GD32F303VKT6	120	3072K	96K	up to 80	10	2	2	1	2	1	5	2	3	1	1	2	1		•	3(16)	2	LQFP100
	GD32F303ZCT6	120	256K	48K	up to 112	4	2	2	1	2	1	5	2	3	1	1	2	1		•	3(21)	2	LQFP144
	GD32F303ZET6	120	512K	64K	up to 112	4	2	2	1	2	1	5	2	3	1	1	2	1		•	3(21)	2	LQFP144
	GD32F303ZGT6	120	1024K	96K	up to 112	10	2	2	1	2	1	5	2	3	1	1	2	1		•	3(21)	2	LQFP144
	GD32F303ZIT6	120	2048K	96K	up to 112	10	2	2	1	2	1	5	2	3	1	1	2	1		•	3(21)	2	LQFP144
	GD32F303ZKT6	120	3072K	96K	up to 112	10	2	2	1	2	1	5	2	3	1	1	2	1		•	3(21)	2	LQFP144
GD32F305	GD32F305RBT6	120	128K	64K	up to 51	4	1	2	1	2	1	5	2	3	2	OTG	2				2(16)	2	LQFP64
	GD32F305RCT6	120	256K	96K	up to 51	4	1	2	1	2	1	5	2	3	2	OTG	2				2(16)	2	LQFP64
	GD32F305RET6	120	512K	96K	up to 51	4	2	2	1	2	1	5	2	3	2	OTG	2				2(16)	2	LQFP64
	GD32F305RGT6	120	1024K	96K	up to 51	10	2	2	1	2	1	5	2	3	2	OTG	2				2(16)	2	LQFP64
	GD32F305VCT6	120	256K	96K	up to 80	4	1	2	1	2	1	5	2	3	2	OTG	2			•	2(16)	2	LQFP100
	GD32F305VET6	120	512K	96K	up to 80	4	2	2	1	2	1	5	2	3	2	OTG	2			•	2(16)	2	LQFP100
	GD32F305VGT6	120	1024K	96K	up to 80	10	2	2	1	2	1	5	2	3	2	OTG	2			•	2(16)	2	LQFP100
	GD32F305ZCT6	120	256K	96K	up to 112	4	2	2	1	2	1	5	2	3	2	OTG	2			•	2(16)	2	LQFP144
	GD32F305ZET6	120	512K	96K	up to 112	4	2	2	1	2	1	5	2	3	2	OTG	2			•	2(16)	2	LQFP144
	GD32F305ZGT6	120	1024K	96K	up to 112	10	2	2	1	2	1	5	2	3	2	OTG	2			•	2(16)	2	LQFP144
GD32F307	GD32F307RCT6	120	256K	96K	up to 51	4	1	2	1	2	1	5	2	3	2	OTG	2		•		2(16)	2	LQFP64
	GD32F307RET6	120	512K	96K	up to 51	4	2	2	1	2	1	5	2	3	2	OTG	2		•		2(16)	2	LQFP64
	GD32F307RGT6	120	1024K	96K	up to 51	10	2	2	1	2	1	5	2	3	2	OTG	2		•		2(16)	2	LQFP64
	GD32F307VCT6	120	256K	96K	up to 80	4	1	2	1	2	1	5	2	3	2	OTG	2		•	•	2(16)	2	LQFP100
	GD32F307VET6	120	512K	96K	up to 80	4	2	2	1	2	1	5	2	3	2	OTG	2		•	•	2(16)	2	LQFP100
	GD32F307VGT6	120	1024K	96K	up to 80	10	2	2	1	2	1	5	2	3	2	OTG	2		•	•	2(16)	2	LQFP100
	GD32F307ZCT6	120	256K	96K	up to 112	4	2	2	1	2	1	5	2	3	2	OTG	2		•	•	2(16)	2	LQFP144
	GD32F307ZET6	120	512K	96K	up to 112	4	2	2	1	2	1	5	2	3	2	OTG	2		•	•	2(16)	2	LQFP144
	GD32F307ZGT6	120	1024K	96K	up to 112	10	2	2	1	2	1	5	2	3	2	OTG	2		•	•	2(16)	2	LQFP144

主流型MCU

GD32F10x系列
ARM® Cortex®-M3内核32位主流型MCU选型

Series	Part No.	Max Speed (MHz)	Memory (Bytes)		I/O	Timer						Connectivity								EXMC	Analog Interface		Package
			Flash	SRAM		GPTM (16bit)	Advanced TM (16bit)	Basic TM (16bit)	SysTick (24bit)	WDG	RTC	U(S)ART +UART	I^2C	SPI	CAN 2.0B	USB 2.0 FS	I^2S	SDIO	Ethernet		12bit ADC Units (CHs)	12bit DAC Units	
GD32F101	GD32F101T4U6	56	16K	4K	up to 26	2			1	2	1	2	1	1							1(10)		QFN36
	GD32F101T6U6	56	32K	6K	up to 26	2			1	2	1	2	1	1							1(10)		QFN36
	GD32F101T8U6	56	64K	10K	up to 26	3			1	2	1	2	1	1							1(10)		QFN36
	GD32F101TBU6	56	128K	16K	up to 26	3			1	2	1	2	1	1							1(10)		QFN36
	GD32F101C4T6	56	16K	4K	up to 37	2			1	2	1	2	1	1							1(10)		LQFP48
	GD32F101C6T6	56	32K	6K	up to 37	2			1	2	1	2	1	1							1(10)		LQFP48
	GD32F101C8T6	56	64K	10K	up to 37	3			1	2	1	3	2	2							1(10)		LQFP48
	GD32F101CBT6	56	128K	16K	up to 37	3			1	2	1	3	2	2							1(10)		LQFP48
	GD32F101R4T6	56	16K	4K	up to 51	2			1	2	1	2	1	1							1(16)		LQFP64
	GD32F101R6T6	56	32K	6K	up to 51	2			1	2	1	2	1	1							1(16)		LQFP64
	GD32F101R8T6	56	64K	10K	up to 51	3			1	2	1	3	2	2							1(16)		LQFP64
	GD32F101RBT6	56	128K	16K	up to 51	3			1	2	1	3	2	2							1(16)		LQFP64
	GD32F101RCT6	56	256K	32K	up to 51	4		2	1	2	1	5	2	3							1(16)		LQFP64
	GD32F101RDT6	56	384K	48K	up to 51	4		2	1	2	1	5	2	3							1(16)		LQFP64
	GD32F101RET6	56	512K	48K	up to 51	4		2	1	2	1	5	2	3							1(16)		LQFP64
	GD32F101RFT6	56	768K	80K	up to 51	10		2	1	2	1	5	2	3							2(16)		LQFP64
	GD32F101RGT6	56	1024K	80K	up to 51	10		2	1	2	1	5	2	3							2(16)		LQFP64
	GD32F101RIT6	56	2048K	80K	up to 51	10		2	1	2	1	5	2	3							2(16)		LQFP64
	GD32F101RKT6	56	3072K	80K	up to 51	10		2	1	2	1	5	2	3							2(16)		LQFP64
	GD32F101V8T6	56	64K	10K	up to 80	3			1	2	1	3	2	2						•	1(16)		LQFP100
	GD32F101VBT6	56	128K	16K	up to 80	3			1	2	1	3	2	2						•	1(16)		LQFP100
	GD32F101VCT6	56	256K	32K	up to 80	4		2	1	2	1	5	2	3						•	1(16)		LQFP100
	GD32F101VDT6	56	384K	48K	up to 80	4		2	1	2	1	5	2	3						•	1(16)		LQFP100
	GD32F101VET6	56	512K	48K	up to 80	4		2	1	2	1	5	2	3						•	1(16)		LQFP100
	GD32F101VFT6	56	768K	80K	up to 80	10		2	1	2	1	5	2	3						•	2(16)		LQFP100
	GD32F101VGT6	56	1024K	80K	up to 80	10		2	1	2	1	5	2	3						•	2(16)		LQFP100
	GD32F101VIT6	56	2048K	80K	up to 80	10		2	1	2	1	5	2	3						•	2(16)		LQFP100
	GD32F101VKT6	56	3072K	80K	up to 80	10		2	1	2	1	5	2	3						•	2(16)		LQFP100
	GD32F101ZCT6	56	256K	32K	up to 112	4		2	1	2	1	5	2	3						•	1(16)		LQFP144
	GD32F101ZDT6	56	384K	48K	up to 112	4		2	1	2	1	5	2	3						•	1(16)		LQFP144
	GD32F101ZET6	56	512K	48K	up to 112	4		2	1	2	1	5	2	3						•	1(16)		LQFP144
	GD32F101ZFT6	56	768K	80K	up to 112	10		2	1	2	1	5	2	3						•	2(16)		LQFP144
	GD32F101ZGT6	56	1024K	80K	up to 112	10		2	1	2	1	5	2	3						•	2(16)		LQFP144
	GD32F101ZIT6	56	2048K	80K	up to 112	10		2	1	2	1	5	2	3						•	2(16)		LQFP144
	GD32F101ZKT6	56	3072K	80K	up to 112	10		2	1	2	1	5	2	3						•	2(16)		LQFP144

主流型MCU

GD32F10x系列
ARM® Cortex®-M3内核32位主流型MCU选型

Series	Part No.	Max Speed (MHz)	Memory (Bytes)		I/O	Timer						Connectivity								EXMC	Analog Interface		Package
			Flash	SRAM		GPTM (16bit)	Advanced TM (16bit)	Basic TM (16bit)	SysTick (24bit)	WDG	RTC	U(S)ART +UART	I²C	SPI	CAN 2.0B	USB 2.0 FS	I²S	SDIO	Ethernet		12bit ADC Units (CHs)	12bit DAC Units	
GD32F103	GD32F103T4U6	108	16K	6K	up to 26	2	1		1	2	1	2	1	1	1	1					2(10)		QFN36
	GD32F103T6U6	108	32K	10K	up to 26	2	1		1	2	1	2	1	1	1	1					2(10)		QFN36
	GD32F103T8U6	108	64K	20K	up to 26	3	1		1	2	1	2	1	1	1	1					2(10)		QFN36
	GD32F103TBU6	108	128K	20K	up to 26	3	1		1	2	1	2	1	1	1	1					2(10)		QFN36
	GD32F103C4T6	108	16K	6K	up to 37	2	1		1	2	1	2	1	1	1	1					2(10)		LQFP48
	GD32F103C6T6	108	32K	10K	up to 37	2	1		1	2	1	2	1	1	1	1					2(10)		LQFP48
	GD32F103C8T6	108	64K	20K	up to 37	3	1		1	2	1	3	2	2	1	1					2(10)		LQFP48
	GD32F103CBT6	108	128K	20K	up to 37	3	1		1	2	1	3	2	2	1	1					2(10)		LQFP48
	GD32F103R4T6	108	16K	6K	up to 51	2	1		1	2	1	2	1	1	1	1					2(16)		LQFP64
	GD32F103R6T6	108	32K	10K	up to 51	2	1		1	2	1	2	1	1	1	1					2(16)		LQFP64
	GD32F103R8T6	108	64K	20K	up to 51	3	1		1	2	1	3	2	2	1	1					2(16)		LQFP64
	GD32F103RBT6	108	128K	20K	up to 51	3	1		1	2	1	3	2	2	1	1					2(16)		LQFP64
	GD32F103RCT6	108	256K	48K	up to 51	4	2	2	1	2	1	5	2	3	1	1	2	1			3(16)	2	LQFP64
	GD32F103RDT6	108	384K	64K	up to 51	4	2	2	1	2	1	5	2	3	1	1	2	1			3(16)	2	LQFP64
	GD32F103RET6	108	512K	64K	up to 51	4	2	2	1	2	1	5	2	3	1	1	2	1			3(16)	2	LQFP64
	GD32F103RFT6	108	768K	96K	up to 51	10	2	2	1	2	1	5	2	3	1	1	2	1			3(16)	2	LQFP64
	GD32F103RGT6	108	1024K	96K	up to 51	10	2	2	1	2	1	5	2	3	1	1	2	1			3(16)	2	LQFP64
	GD32F103RIT6	108	2048K	96K	up to 51	10	2	2	1	2	1	5	2	3	1	1	2	1			3(16)	2	LQFP64
	GD32F103RKT6	108	3072K	96K	up to 51	10	2	2	1	2	1	5	2	3	1	1	2	1			3(16)	2	LQFP64
	GD32F103V8T6	108	64K	20K	up to 80	3	1		1	2	1	3	2	2	1	1				•	2(16)		LQFP100
	GD32F103VBT6	108	128K	20K	up to 80	3	1		1	2	1	3	2	2	1	1				•	2(16)		LQFP100
	GD32F103VCT6	108	256K	48K	up to 80	4	2	2	1	2	1	5	2	3	1	1	2	1		•	3(16)	2	LQFP100
	GD32F103VDT6	108	384K	64K	up to 80	4	2	2	1	2	1	5	2	3	1	1	2	1		•	3(16)	2	LQFP100
	GD32F103VET6	108	512K	64K	up to 80	4	2	2	1	2	1	5	2	3	1	1	2	1		•	3(16)	2	LQFP100
	GD32F103VFT6	108	768K	96K	up to 80	10	2	2	1	2	1	5	2	3	1	1	2	1		•	3(16)	2	LQFP100
	GD32F103VGT6	108	1024K	96K	up to 80	10	2	2	1	2	1	5	2	3	1	1	2	1		•	3(16)	2	LQFP100
	GD32F103VIT6	108	2048K	96K	up to 80	10	2	2	1	2	1	5	2	3	1	1	2	1		•	3(16)	2	LQFP100
	GD32F103VKT6	108	3072K	96K	up to 80	10	2	2	1	2	1	5	2	3	1	1	2	1		•	3(16)	2	LQFP100
	GD32F103ZCT6	108	256K	48K	up to 112	4	2	2	1	2	1	5	2	3	1	1	2	1		•	3(21)	2	LQFP144
	GD32F103ZDT6	108	384K	64K	up to 112	4	2	2	1	2	1	5	2	3	1	1	2	1		•	3(21)	2	LQFP144
	GD32F103ZET6	108	512K	64K	up to 112	4	2	2	1	2	1	5	2	3	1	1	2	1		•	3(21)	2	LQFP144
	GD32F103ZFT6	108	768K	96K	up to 112	10	2	2	1	2	1	5	2	3	1	1	2	1		•	3(21)	2	LQFP144
	GD32F103ZGT6	108	1024K	96K	up to 112	10	2	2	1	2	1	5	2	3	1	1	2	1		•	3(21)	2	LQFP144
	GD32F103ZIT6	108	2048K	96K	up to 112	10	2	2	1	2	1	5	2	3	1	1	2	1		•	3(21)	2	LQFP144
	GD32F103ZKT6	108	3072K	96K	up to 112	10	2	2	1	2	1	5	2	3	1	1	2	1		•	3(21)	2	LQFP144

主流型MCU

GD32F10x系列
ARM® Cortex®-M3内核32位主流型MCU选型

Series	Part No.	Max Speed (MHz)	Memory (Bytes)		I/O	Timer						Connectivity								EXMC	Analog Interface		Package
			Flash	SRAM		GPTM (16bit)	Advanced TM (16bit)	Basic TM (16bit)	SysTick (24bit)	WDG	RTC	U(S)ART +UART	I^2C	SPI	CAN 2.0B	USB 2.0 FS	I^2S	SDIO	Ethernet		12bit ADC Units (CHs)	12bit DAC Units	
GD32F105	GD32F105R8T6	108	64K	64K	up to 51	4	1	2	1	2	1	5	2	3	2	OTG	2				2(16)	2	LQFP64
	GD32F105RBT6	108	128K	64K	up to 51	4	1	2	1	2	1	5	2	3	2	OTG	2				2(16)	2	LQFP64
	GD32F105RCT6	108	256K	96K	up to 51	4	1	2	1	2	1	5	2	3	2	OTG	2				2(16)	2	LQFP64
	GD32F105RDT6	108	384K	96K	up to 51	4	1	2	1	2	1	5	2	3	2	OTG	2				2(16)	2	LQFP64
	GD32F105RET6	108	512K	96K	up to 51	4	1	2	1	2	1	5	2	3	2	OTG	2				2(16)	2	LQFP64
	GD32F105RFT6	108	768K	96K	up to 51	4	1	2	1	2	1	5	2	3	2	OTG	2				2(16)	2	LQFP64
	GD32F105RGT6	108	1024K	96K	up to 51	4	1	2	1	2	1	5	2	3	2	OTG	2				2(16)	2	LQFP64
	GD32F105V8T6	108	64K	64K	up to 80	4	1	2	1	2	1	5	2	3	2	OTG	2			•	2(16)	2	LQFP100
	GD32F105VBT6	108	128K	64K	up to 80	4	1	2	1	2	1	5	2	3	2	OTG	2			•	2(16)	2	LQFP100
	GD32F105VCT6	108	256K	96K	up to 80	4	1	2	1	2	1	5	2	3	2	OTG	2			•	2(16)	2	LQFP100
	GD32F105VDT6	108	384K	96K	up to 80	4	1	2	1	2	1	5	2	3	2	OTG	2			•	2(16)	2	LQFP100
	GD32F105VET6	108	512K	96K	up to 80	4	1	2	1	2	1	5	2	3	2	OTG	2			•	2(16)	2	LQFP100
	GD32F105VFT6	108	768K	96K	up to 80	4	1	2	1	2	1	5	2	3	2	OTG	2			•	2(16)	2	LQFP100
	GD32F105VGT6	108	1024K	96K	up to 80	4	1	2	1	2	1	5	2	3	2	OTG	2			•	2(16)	2	LQFP100
	GD32F105ZCT6	108	256K	96K	up to 112	4	1	2	1	2	1	5	2	3	2	OTG	2			•	2(16)	2	LQFP144
	GD32F105ZDT6	108	384K	96K	up to 112	4	1	2	1	2	1	5	2	3	2	OTG	2			•	2(16)	2	LQFP144
	GD32F105ZET6	108	512K	96K	up to 112	4	1	2	1	2	1	5	2	3	2	OTG	2			•	2(16)	2	LQFP144
	GD32F105ZFT6	108	768K	96K	up to 112	4	1	2	1	2	1	5	2	3	2	OTG	2			•	2(16)	2	LQFP144
	GD32F105ZGT6	108	1024K	96K	up to 112	4	1	2	1	2	1	5	2	3	2	OTG	2			•	2(16)	2	LQFP144
GD32F107	GD32F107RBT6	108	128K	96K	up to 51	4	1	2	1	2	1	5	1	3	2	OTG	2		•		2(16)	2	LQFP64
	GD32F107RCT6	108	256K	96K	up to 51	4	1	2	1	2	1	5	1	3	2	OTG	2		•		2(16)	2	LQFP64
	GD32F107RDT6	108	384K	96K	up to 51	4	1	2	1	2	1	5	2	3	2	OTG	2		•		2(16)	2	LQFP64
	GD32F107RET6	108	512K	96K	up to 51	4	1	2	1	2	1	5	2	3	2	OTG	2		•		2(16)	2	LQFP64
	GD32F107RFT6	108	768K	96K	up to 51	4	1	2	1	2	1	5	2	3	2	OTG	2		•		2(16)	2	LQFP64
	GD32F107RGT6	108	1024K	96K	up to 51	4	1	2	1	2	1	5	2	3	2	OTG	2		•		2(16)	2	LQFP64
	GD32F107VBT6	108	128K	96K	up to 80	4	1	2	1	2	1	5	1	3	2	OTG	2		•	•	2(16)	2	LQFP100
	GD32F107VCT6	108	256K	96K	up to 80	4	1	2	1	2	1	5	1	3	2	OTG	2		•	•	2(16)	2	LQFP100
	GD32F107VDT6	108	384K	96K	up to 80	4	1	2	1	2	1	5	2	3	2	OTG	2		•	•	2(16)	2	LQFP100
	GD32F107VET6	108	512K	96K	up to 80	4	1	2	1	2	1	5	2	3	2	OTG	2		•	•	2(16)	2	LQFP100
	GD32F107VFT6	108	768K	96K	up to 80	4	1	2	1	2	1	5	2	3	2	OTG	2		•	•	2(16)	2	LQFP100
	GD32F107VGT6	108	1024K	96K	up to 80	4	1	2	1	2	1	5	2	3	2	OTG	2		•	•	2(16)	2	LQFP100
	GD32F107ZCT6	108	256K	96K	up to 112	4	1	2	1	2	1	5	2	3	2	OTG	2		•	•	2(16)	2	LQFP144
	GD32F107ZDT6	108	384K	96K	up to 112	4	1	2	1	2	1	5	2	3	2	OTG	2		•	•	2(16)	2	LQFP144
	GD32F107ZET6	108	512K	96K	up to 112	4	1	2	1	2	1	5	2	3	2	OTG	2		•	•	2(16)	2	LQFP144
	GD32F107ZFT6	108	768K	96K	up to 112	4	1	2	1	2	1	5	2	3	2	OTG	2		•	•	2(16)	2	LQFP144
	GD32F107ZGT6	108	1024K	96K	up to 112	4	1	2	1	2	1	5	2	3	2	OTG	2		•	•	2(16)	2	LQFP144

主流型MCU

GD32E1/C1系列
ARM® Cortex®-M4内核32位主流型MCU选型

Series	Part No.	Max Speed (MHz)	Memory (Bytes)		I/O	Timer						Connectivity								EXMC	Analog Interface		Package
			Flash	SRAM		GPTM (16bit)	Advanced TM (16bit)	Basic TM (16bit)	SysTick (24bit)	WDG	RTC	U(S)ART +UART	I²C	SPI	CAN 2.0B	USB 2.0 FS	I²S	SDIO	Ethernet		12bit ADC Units (CHs)	12bit DAC Units	
GD32E103	GD32E103T8U6	120	64K	20K	up to 26	4	1	2	1	2	1	2+0	1	1		OTG					2(10)	2	QFN36
	GD32E103TBU6	120	128K	32K	up to 26	4	1	2	1	2	1	2+0	1	1		OTG					2(10)	2	QFN36
	GD32E103C8T6	120	64K	20K	up to 37	10	1	2	1	2	1	3+0	2	3		OTG	2				2(10)	2	LQFP48
	GD32E103CBT6	120	128K	32K	up to 37	10	1	2	1	2	1	3+0	2	3		OTG	2				2(10)	2	LQFP48
	GD32E103R8T6	120	64K	20K	up to 51	10	2	2	1	2	1	3+2	2	3		OTG	2				2(16)	2	LQFP64
	GD32E103RBT6	120	128K	32K	up to 51	10	2	2	1	2	1	3+2	2	3		OTG	2				2(16)	2	LQFP64
	GD32E103V8T6	120	64K	20K	up to 80	10	2	2	1	2	1	3+2	2	3		OTG	2			•	2(16)	2	LQFP100
	GD32E103VBT6	120	128K	32K	up to 80	10	2	2	1	2	1	3+2	2	3		OTG	2			•	2(16)	2	LQFP100
GD32C103	GD32C103TBU6	120	128K	32K	up to 26	4	1	2	1	2	1	2+0	1	1	2 x FD	OTG					2(10)	2	QFN36
	GD32C103CBT6	120	128K	32K	up to 37	10	1	2	1	2	1	3+0	2	3	2 x FD	OTG	2				2(10)	2	LQFP48
	GD32C103RBT6	120	128K	32K	up to 51	10	2	2	1	2	1	3+2	2	3	2 x FD	OTG	2				2(16)	2	LQFP64
	GD32C103VBT6	120	128K	32K	up to 80	10	2	2	1	2	1	3+2	2	3	2 x FD	OTG	2			•	2(16)	2	LQFP100
GD32E113	GD32E113T8U6	120	64K	20K	up to 26	4	1	2	1	2	1	2+0	1	1		OTG					2(10)	2	QFN36
	GD32E113TBU6	120	128K	32K	up to 26	4	1	2	1	2	1	2+0	1	1		OTG					2(10)	2	QFN36
	GD32E113C8T6	120	64K	20K	up to 37	10	1	2	1	2	1	3+0	2	3		OTG	2				2(10)	2	LQFP48
	GD32E113CBT6	120	128K	32K	up to 37	10	1	2	1	2	1	3+0	2	3		OTG	2				2(10)	2	LQFP48
	GD32E113R8T6	120	64K	20K	up to 51	10	2	2	1	2	1	3+2	2	3		OTG	2				2(16)	2	LQFP64
	GD32E113RBT6	120	128K	32K	up to 51	10	2	2	1	2	1	3+2	2	3		OTG	2				2(16)	2	LQFP64
	GD32E113V8T6	120	64K	20K	up to 80	10	2	2	1	2	1	3+2	2	3		OTG	2			•	2(16)	2	LQFP100
	GD32E113VBT6	120	128K	32K	up to 80	10	2	2	1	2	1	3+2	2	3		OTG	2			•	2(16)	2	LQFP100
GD32C113	GD32C113TBU6	120	128K	32K	up to 26	4	1	2	1	2	1	2+0	1	1	2 x FD	OTG					2(10)	2	QFN36
	GD32C113CBT6	120	128K	32K	up to 37	10	1	2	1	2	1	3+0	2	3	2 x FD	OTG	2				2(10)	2	LQFP48
	GD32C113RBT6	120	128K	32K	up to 51	10	2	2	1	2	1	3+2	2	3	2 x FD	OTG	2				2(16)	2	LQFP64
	GD32C113VBT6	120	128K	32K	up to 80	10	2	2	1	2	1	3+2	2	3	2 x FD	OTG	2			•	2(16)	2	LQFP100

主流型MCU

GD32E502系列
ARM® Cortex®-M33内核32位主流型MCU选型

Series	Part No.	Max Speed (MHz)	Memory (Bytes)			I/O	Timer						Connectivity							Analog Interface		Package
			Flash	SRAM	Data-Flash /EEPROM		GPTM (16bit)	Advanced TM (16bit)	Basic TM (16bit)	SysTick (24bit)	WDG	RTC	U(S)ART /LIN	I^2C	SPI	CAN 2.0B	I^2S	COMP	MFCOM	12bit ADC Units (CHs)	12bit DAC Units	
GD32E502	GD32E502KBU3	100	128K	24K	32K/2K	up to 27	1	3	2	1	2	1	1	2	1	1xFD	0	1	1	2(12)	1	QFN32
	GD32E502KCU3	100	256K	32K	64K/4K	up to 27	1	4	2	1	2	1	1	2	1	1xFD	0	1	1	2(12)	1	QFN32
	GD32E502CBT3	100	128K	24K	32K/2K	up to 42	1	3	2	1	2	1	2	2	2	2xFD	1	1	1	2(20)	1	LQFP48
	GD32E502CCT3	100	256K	32K	64K/4K	up to 42	1	4	2	1	2	1	2	2	2	2xFD	1	1	1	2(20)	1	LQFP48
	GD32E502RBT3	100	128K	24K	32K/2K	up to 57	1	3	2	1	2	1	3	2	2	2xFD	1	1	1	2(27)	1	LQFP64
	GD32E502RCT3	100	256K	32K	64K/4K	up to 57	1	4	2	1	2	1	3	2	2	2xFD	1	1	1	2(27)	1	LQFP64
	GD32E502RDT3	100	384K	48K	64K/4K	up to 57	1	4	2	1	2	1	3	2	2	2xFD	1	1	1	2(27)	1	LQFP64
	GD32E502VBT3	100	128K	24K	32K/2K	up to 88	1	4	2	1	2	1	3	2	2	2xFD	1	1	1	2(32)	1	LQFP100
	GD32E502VCT3	100	256K	32K	64K/4K	up to 88	1	4	2	1	2	1	3	2	2	2xFD	1	1	1	2(32)	1	LQFP100
	GD32E502VDT3	100	384K	48K	64K/4K	up to 88	1	4	2	1	2	1	3	2	2	2xFD	1	1	1	2(32)	1	LQFP100
	GD32E502KBU7	100	128K	24K	32K/2K	up to 27	1	3	2	1	2	1	1	2	1	1xFD	0	1	1	2(12)	1	QFN32
	GD32E502KCU7	100	256K	32K	64K/4K	up to 27	1	4	2	1	2	1	1	2	1	1xFD	0	1	1	2(12)	1	QFN32
	GD32E502CBT7	100	128K	24K	32K/2K	up to 42	1	3	2	1	2	1	2	2	2	2xFD	1	1	1	2(20)	1	LQFP48
	GD32E502CCT7	100	256K	32K	64K/4K	up to 42	1	4	2	1	2	1	2	2	2	2xFD	1	1	1	2(20)	1	LQFP48
	GD32E502RBT7	100	128K	24K	32K/2K	up to 57	1	3	2	1	2	1	3	2	2	2xFD	1	1	1	2(27)	1	LQFP64
	GD32E502RCT7	100	256K	32K	64K/4K	up to 57	1	4	2	1	2	1	3	2	2	2xFD	1	1	1	2(27)	1	LQFP64
	GD32E502RDT7	100	384K	48K	64K/4K	up to 57	1	4	2	1	2	1	3	2	2	2xFD	1	1	1	2(27)	1	LQFP64
	GD32E502VBT7	100	128K	24K	32K/2K	up to 88	1	4	2	1	2	1	3	2	2	2xFD	1	1	1	2(32)	1	LQFP100
	GD32E502VCT7	100	256K	32K	64K/4K	up to 88	1	4	2	1	2	1	3	2	2	2xFD	1	1	1	2(32)	1	LQFP100
	GD32E502VDT7	100	384K	48K	64K/4K	up to 88	1	4	2	1	2	1	3	2	2	2xFD	1	1	1	2(32)	1	LQFP100

GD32VF103系列
RISC-V内核32位主流型MCU选型

Series	Part No.	Max Speed (MHz)	Memory (Bytes)		I/O	Timer						Connectivity								EXMC	Analog Interface		Package
			Flash	SRAM		GPTM (16bit)	Advanced TM (16bit)	Basic TM (16bit)	SysTick (24bit)	WDG	RTC	U(S)ART +UART	I^2C	SPI	CAN 2.0B	USB 2.0 FS	I^2S	SDIO	Ethernet		12bit ADC Units (CHs)	12bit DAC Units	
GD32VF103	GD32VF103T4U6	108	16K	6K	up to 26	2	1	2	1	2	1	2+0	1	1	2	OTG					2(10)	2	QFN36
	GD32VF103T6U6	108	32K	10K	up to 26	2	1	2	1	2	1	2+0	1	1	2	OTG					2(10)	2	QFN36
	GD32VF103T8U6	108	64K	20K	up to 26	4	1	2	1	2	1	2+0	1	1	2	OTG					2(10)	2	QFN36
	GD32VF103TBU6	108	128K	32K	up to 26	4	1	2	1	2	1	2+0	1	1	2	OTG					2(10)	2	QFN36
	GD32VF103C4T6	108	16K	6K	up to 37	2	1	2	1	2	1	2+0	1	1	2	OTG					2(10)	2	LQFP48
	GD32VF103C6T6	108	32K	10K	up to 37	2	1	2	1	2	1	2+0	1	1	2	OTG					2(10)	2	LQFP48
	GD32VF103C8T6	108	64K	20K	up to 37	4	1	2	1	2	1	3+0	2	3	2	OTG	2				2(10)	2	LQFP48
	GD32VF103CBT6	108	128K	32K	up to 37	4	1	2	1	2	1	3+0	2	3	2	OTG	2				2(10)	2	LQFP48
	GD32VF103R4T6	108	16K	6K	up to 51	2	1	2	1	2	1	2+0	1	1	2	OTG					2(16)	2	LQFP64
	GD32VF103R6T6	108	32K	10K	up to 51	2	1	2	1	2	1	2+0	1	1	2	OTG					2(16)	2	LQFP64
	GD32VF103R8T6	108	64K	20K	up to 51	4	1	2	1	2	1	3+2	2	3	2	OTG	2				2(16)	2	LQFP64
	GD32VF103RBT6	108	128K	32K	up to 51	4	1	2	1	2	1	3+2	2	3	2	OTG	2				2(16)	2	LQFP64
	GD32VF103V8T6	108	64K	20K	up to 80	4	1	2	1	2	1	3+2	2	3	2	OTG	2			•	2(16)	2	LQFP100
	GD32VF103VBT6	108	128K	32K	up to 80	4	1	2	1	2	1	3+2	2	3	2	OTG	2			•	2(16)	2	LQFP100

入门级MCU

GD32E23x系列
ARM® Cortex®-M23内核32位入门级MCU选型

Series	Part No.	Max Speed (MHz)	Memory (Bytes)		I/O	Timer							Connectivity							Analog Interface		Package
			Flash	SRAM		GPTM (32bit)	GPTM (16bit)	Advanced TM (16bit)	Basic TM (16bit)	SysTick (24bit)	WDG	RTC	U(S)ART	I²C	SPI	USB 2.0 FS	I²S	Comp	OP-AMP	12bit ADC Units (CHs)	12bit DAC Units	
GD32E235	GD32E235F4P6TR	72	16K	4K	up to 15		4	1	1	1	2	1	1	1	1		1	1		1(9)		TSSOP20
	GD32E235F6P6TR	72	32K	6K	up to 15		4	1	1	1	2	1	2	1	1		1	1		1(9)		TSSOP20
	GD32E235F8P6TR	72	64K	8K	up to 15		4	1	1	1	2	1	2	2	2		1	1		1(9)		TSSOP20
	GD32E235F4V6TR	72	16K	4K	up to 15		4	1	1	1	2	1	1	1	1		1	1		1(9)		LGA20
	GD32E235F6V6TR	72	32K	6K	up to 15		4	1	1	1	2	1	2	1	1		1	1		1(9)		LGA20
	GD32E235F8V6TR	72	64K	8K	up to 15		4	1	1	1	2	1	2	2	2		1	1		1(9)		LGA20
	GD32E235E8P6TR	72	64K	8K	up to 19		4	1	1	1	2	1	2	2	2		1	1		1(10)		TSSOP24
	GD32E235G4U6TR	72	16K	4K	up to 23		4	1	1	1	2	1	1	1	1		1	1		1(10)		QFN28
	GD32E235G6U6TR	72	32K	6K	up to 23		4	1	1	1	2	1	2	1	1		1	1		1(10)		QFN28
	GD32E235G8U6TR	72	64K	8K	up to 23		5	1	1	1	2	1	2	2	2		1	1		1(10)		QFN28
	GD32E235GBU7TR	72	128K	16K	up to 23		5	1	1	1	2	1	2	2	2		1	1		1(10)		QFN28
	GD32E235K4U6	72	16K	4K	up to 27		4	1	1	1	2	1	1	1	1		1	1		1(10)		QFN32
	GD32E235K6U6	72	32K	6K	up to 27		4	1	1	1	2	1	2	1	1		1	1		1(10)		QFN32
	GD32E235K8U6	72	64K	8K	up to 27		5	1	1	1	2	1	2	2	2		1	1		1(10)		QFN32
	GD32E235K8U7	72	64K	8K	up to 27		5	1	1	1	2	1	2	2	2		1	1		1(10)		QFN32
	GD32E235KBU6	72	128K	16K	up to 27		5	1	1	1	2	1	2	2	2		1	1		1(10)		QFN32
	GD32E235K4T6	72	16K	4K	up to 25		4	1	1	1	2	1	1	1	1		1	1		1(10)		LQFP32
	GD32E235K6T6	72	32K	6K	up to 25		4	1	1	1	2	1	2	1	1		1	1		1(10)		LQFP32
	GD32E235K8T6	72	64K	8K	up to 25		5	1	1	1	2	1	2	2	2		1	1		1(10)		LQFP32
	GD32E235KBT6	72	128K	16K	up to 25		5	1	1	1	2	1	2	2	2		1	1		1(10)		LQFP32
	GD32E235CBO6	72	128K	16K	up to 39		5	1	1	1	2	1	2	2	2		1	1		1(10)		QFN48
	GD32E235C4T6	72	16K	4K	up to 39		4	1	1	1	2	1	1	1	1		1	1		1(10)		LQFP48
	GD32E235C6T6	72	32K	6K	up to 39		4	1	1	1	2	1	2	1	1		1	1		1(10)		LQFP48
	GD32E235C8T6	72	64K	8K	up to 39		5	1	1	1	2	1	2	2	2		1	1		1(10)		LQFP48
	GD32E235C8T7	72	64K	8K	up to 39		5	1	1	1	2	1	2	2	2		1	1		1(10)		LQFP48
	GD32E235CBT6	72	128K	16K	up to 39		5	1	1	1	2	1	2	2	2		1	1		1(10)		LQFP48
	GD32E235CBT7	72	128K	16K	up to 39		5	1	1	1	2	1	2	2	2		1	1		1(10)		LQFP48
GD32E230	GD32E230F4P6TR	72	16K	4K	up to 15		4	1	1	1	2	1	1	1	1		1	1		1(9)		TSSOP20
	GD32E230F6P6TR	72	32K	6K	up to 15		4	1	1	1	2	1	2	1	1		1	1		1(9)		TSSOP20
	GD32E230F8P6TR	72	64K	8K	up to 15		4	1	1	1	2	1	2	2	2		1	1		1(9)		TSSOP20
	GD32E230F4V6TR	72	16K	4K	up to 15		4	1	1	1	2	1	1	1	1		1	1		1(9)		LGA20
	GD32E230F6V6TR	72	32K	6K	up to 15		4	1	1	1	2	1	2	1	1		1	1		1(9)		LGA20
	GD32E230F8V6TR	72	64K	8K	up to 15		4	1	1	1	2	1	2	2	2		1	1		1(9)		LGA20
	GD32E230E8P6TR	72	64K	8K	up to 19		4	1	1	1	2	1	2	2	2		1	1		1(10)		TSSOP24
	GD32E230G4U6TR	72	16K	4K	up to 23		4	1	1	1	2	1	1	1	1		1	1		1(10)		QFN28
	GD32E230G6U6TR	72	32K	6K	up to 23		4	1	1	1	2	1	2	1	1		1	1		1(10)		QFN28
	GD32E230G8U6TR	72	64K	8K	up to 23		5	1	1	1	2	1	2	2	2		1	1		1(10)		QFN28
	GD32E230K4U6	72	16K	4K	up to 27		4	1	1	1	2	1	1	1	1		1	1		1(10)		QFN32
	GD32E230K6U6	72	32K	6K	up to 27		4	1	1	1	2	1	2	1	1		1	1		1(10)		QFN32
	GD32E230K8U6	72	64K	8K	up to 27		5	1	1	1	2	1	2	2	2		1	1		1(10)		QFN32
	GD32E230K4T6	72	16K	4K	up to 25		4	1	1	1	2	1	1	1	1		1	1		1(10)		LQFP32
	GD32E230K6T6	72	32K	6K	up to 25		4	1	1	1	2	1	2	1	1		1	1		1(10)		LQFP32
	GD32E230K8T6	72	64K	8K	up to 25		5	1	1	1	2	1	2	2	2		1	1		1(10)		LQFP32
	GD32E230C4T6	72	16K	4K	up to 39		4	1	1	1	2	1	1	1	1		1	1		1(10)		LQFP48
	GD32E230C6T6	72	32K	6K	up to 39		4	1	1	1	2	1	2	1	1		1	1		1(10)		LQFP48
	GD32E230C8T6	72	64K	8K	up to 39		5	1	1	1	2	1	2	2	2		1	1		1(10)		LQFP48

入门级MCU

GD32F3x0系列
ARM® Cortex®-M4内核32位入门级MCU选型

Series	Part No.	Max Speed (MHz)	Memory (Bytes)		I/O	Timer							Connectivity							Analog Interface		Package
			Flash	SRAM		GPTM (32bit)	GPTM (16bit)	Advanced TM (16bit)	Basic TM (16bit)	SysTick (24bit)	WDG	RTC	U(S)ART	I^2C	SPI	USB 2.0 FS	I^2S	CEC	Comp	12bit ADC Units (CHs)	12bit DAC Units	
GD32F310	GD32F310F4P6TR	72	16K	4K	up to 15		4	1		1	2	1	1	1	1		1			1(9)		TSSOP20
	GD32F310F6P6TR	72	32K	6K	up to 15		4	1		1	2	1	2	1	1		1			1(9)		TSSOP20
	GD32F310F8P6TR	72	64K	8K	up to 15		4	1		1	2	1	2	2	2		1			1(9)		TSSOP20
	GD32F310G8U6TR	72	64K	8K	up to 23		5	1		1	2	1	2	2	2		1			1(10)		QFN28
	GD32F310K8U6	72	64K	8K	up to 27		5	1		1	2	1	2	2	2		1			1(10)		QFN32
	GD32F310K6T6	72	32K	6K	up to 25		4	1		1	2	1	2	1	1		1			1(10)		LQFP32
	GD32F310K8T6	72	64K	8K	up to 25		5	1		1	2	1	2	2	2		1			1(10)		LQFP32
	GD32F310C8T6	72	64K	8K	up to 39		5	1		1	2	1	2	2	2		1			1(10)		LQFP48
	GD32F310CBT6	72	128K	16K	up to 39		5	1		1	2	1	2	2	2		1			1(10)		LQFP48
GD32F330	GD32F330F4P6TR	84	16K	4K	up to 15	1	4	1		1	2	1	1	1	1					1(9)		TSSOP20
	GD32F330F6P6TR	84	32K	4K	up to 15	1	4	1		1	2	1	2	1	1					1(9)		TSSOP20
	GD32F330F8P6TR	84	64K	8K	up to 15	1	4	1		1	2	1	2	2	2					1(9)		TSSOP20
	GD32F330G4U6TR	84	16K	4K	up to 23	1	4	1		1	2	1	1	1	1					1(10)		QFN28
	GD32F330G6U6TR	84	32K	4K	up to 23	1	4	1		1	2	1	2	1	1					1(10)		QFN28
	GD32F330G8U6TR	84	64K	8K	up to 23	1	5	1		1	2	1	2	2	2					1(10)		QFN28
	GD32F330K4U6	84	16K	4K	up to 27	1	4	1		1	2	1	1	1	1					1(10)		QFN32
	GD32F330K6U6	84	32K	4K	up to 27	1	4	1		1	2	1	2	1	1					1(10)		QFN32
	GD32F330K8U6	84	64K	8K	up to 27	1	5	1		1	2	1	2	2	2					1(10)		QFN32
	GD32F330K4T6	84	16K	4K	up to 25	1	4	1		1	2	1	1	1	1					1(10)		LQFP32
	GD32F330K6T6	84	32K	4K	up to 25	1	4	1		1	2	1	2	1	1					1(10)		LQFP32
	GD32F330K8T6	84	64K	8K	up to 25	1	5	1		1	2	1	2	2	2					1(10)		LQFP32
	GD32F330C4T6	84	16K	4K	up to 39	1	4	1		1	2	1	1	1	1					1(10)		LQFP48
	GD32F330C6T6	84	32K	4K	up to 39	1	4	1		1	2	1	2	1	1					1(10)		LQFP48
	GD32F330C8T6	84	64K	8K	up to 39	1	5	1		1	2	1	2	2	2					1(10)		LQFP48
	GD32F330CBT6	84	128K	16K	up to 39	1	5	1		1	2	1	2	2	2					1(10)		LQFP48
	GD32F330R8T6	84	64K	16K	up to 55	1	5	1		1	2	1	2	2	2					1(16)		LQFP64
	GD32F330RBT6	84	128K	16K	up to 55	1	5	1		1	2	1	2	2	2					1(16)		LQFP64
GD32F350	GD32F350G4U6TR	108	16K	4K	up to 24	1	5	1	1	1	2	1	1	1	1	OTG	1	1	2	1(10)	1	QFN28
	GD32F350G6U6TR	108	32K	6K	up to 24	1	5	1	1	1	2	1	2	1	1	OTG	1	1	2	1(10)	1	QFN28
	GD32F350G8U6TR	108	64K	8K	up to 24	1	5	1	1	1	2	1	2	2	2	OTG	1	1	2	1(10)	1	QFN28
	GD32F350K4U6	108	16K	4K	up to 27	1	5	1	1	1	2	1	1	1	1	OTG	1	1	2	1(10)	1	QFN32
	GD32F350K6U6	108	32K	6K	up to 27	1	5	1	1	1	2	1	2	1	1	OTG	1	1	2	1(10)	1	QFN32
	GD32F350K8U6	108	64K	8K	up to 27	1	5	1	1	1	2	1	2	2	2	OTG	1	1	2	1(10)	1	QFN32
	GD32F350C4T6	108	16K	4K	up to 39	1	5	1	1	1	2	1	1	1	1	OTG	1	1	2	1(10)	1	LQFP48
	GD32F350C6T6	108	32K	6K	up to 39	1	5	1	1	1	2	1	2	1	1	OTG	1	1	2	1(10)	1	LQFP48
	GD32F350C8T6	108	64K	8K	up to 39	1	5	1	1	1	2	1	2	2	2	OTG	1	1	2	1(10)	1	LQFP48
	GD32F350CBT6	108	128K	16K	up to 39	1	5	1	1	1	2	1	2	2	2	OTG	1	1	2	1(10)	1	LQFP48
	GD32F350R4T6	108	16K	4K	up to 55	1	5	1	1	1	2	1	1	1	1	OTG	1	1	2	1(16)	1	LQFP64
	GD32F350R6T6	108	32K	8K	up to 55	1	5	1	1	1	2	1	2	1	1	OTG	1	1	2	1(16)	1	LQFP64
	GD32F350R8T6	108	64K	16K	up to 55	1	5	1	1	1	2	1	2	2	2	OTG	1	1	2	1(16)	1	LQFP64
	GD32F350RBT6	108	128K	16K	up to 55	1	5	1	1	1	2	1	2	2	2	OTG	1	1	2	1(16)	1	LQFP64

入门级MCU

GD32F1x0系列
ARM® Cortex®-M3内核32位入门级MCU选型

Series	Part No.	Max Speed (MHz)	Memory (Bytes)		I/O	Timer							Connectivity						Analog Interface		Package
			Flash	SRAM		GPTM (32bit)	GPTM (16bit)	Advanced TM (16bit)	Basic TM (16bit)	SysTick (24bit)	WDG	RTC	U(S)ART	I²C	SPI	USB 2.0 FS	I²S	CEC	12bit ADC Units (CHs)	12bit DAC Units	
GD32F130	GD32F130F4P6TR	48	16K	4K	up to 15	1	4		1	1	2	1	1	1	1				1(9)		TSSOP20
	GD32F130F6P6TR	48	32K	4K	up to 15	1	4		1	1	2	1	2	1	1				1(9)		TSSOP20
	GD32F130F8P6TR	48	64K	8K	up to 15	1	4		1	1	2	1	2	2	2				1(9)		TSSOP20
	GD32F130G4U6TR	48	16K	4K	up to 23	1	4		1	1	2	1	1	1	1				1(10)		QFN28
	GD32F130G6U6TR	48	32K	4K	up to 23	1	4		1	1	2	1	2	1	1				1(10)		QFN28
	GD32F130G8U6TR	48	64K	8K	up to 23	1	5		1	1	2	1	2	2	2				1(10)		QFN28
	GD32F130K4T6	48	16K	4K	up to 27	1	4		1	1	2	1	1	1	1				1(10)		LQFP32
	GD32F130K6T6	48	32K	4K	up to 27	1	4		1	1	2	1	2	1	1				1(10)		LQFP32
	GD32F130K8T6	48	64K	8K	up to 27	1	5		1	1	2	1	2	2	2				1(10)		LQFP32
	GD32F130K4U6	48	16K	4K	up to 27	1	4		1	1	2	1	1	1	1				1(10)		QFN32
	GD32F130K6U6	48	32K	4K	up to 27	1	4		1	1	2	1	2	1	1				1(10)		QFN32
	GD32F130K8U6	48	64K	8K	up to 27	1	5		1	1	2	1	2	2	2				1(10)		QFN32
	GD32F130C4T6	48	16K	4K	up to 39	1	4		1	1	2	1	1	1	1				1(10)		LQFP48
	GD32F130C6T6	48	32K	4K	up to 39	1	4		1	1	2	1	2	1	1				1(10)		LQFP48
	GD32F130C8T6	48	64K	8K	up to 39	1	5		1	1	2	1	2	2	2				1(10)		LQFP48
	GD32F130R8T6	48	64K	8K	up to 55	1	5		1	1	2	1	2	2	2				1(16)		LQFP64
GD32F150	GD32F150G4U6TR	72	16K	4K	up to 24	1	5	1	1	1	2	1	1	1	1	1	1	1	1(10)	1	QFN28
	GD32F150G6U6TR	72	32K	6K	up to 24	1	5	1	1	1	2	1	2	1	1	1	1	1	1(10)	1	QFN28
	GD32F150G8U6TR	72	64K	8K	up to 24	1	5	1	1	1	2	1	2	2	2	1	1	1	1(10)	1	QFN28
	GD32F150K4U6	72	16K	4K	up to 27	1	5	1	1	1	2	1	1	1	1	1	1	1	1(10)	1	QFN32
	GD32F150K6U6	72	32K	6K	up to 27	1	5	1	1	1	2	1	2	1	1	1	1	1	1(10)	1	QFN32
	GD32F150K8U6	72	64K	8K	up to 27	1	5	1	1	1	2	1	2	2	2	1	1	1	1(10)	1	QFN32
	GD32F150C4T6	72	16K	4K	up to 39	1	5	1	1	1	2	1	1	1	1	1	1	1	1(10)	1	LQFP48
	GD32F150C6T6	72	32K	6K	up to 39	1	5	1	1	1	2	1	2	1	1	1	1	1	1(10)	1	LQFP48
	GD32F150C8T6	72	64K	8K	up to 39	1	5	1	1	1	2	1	2	2	2	1	1	1	1(10)	1	LQFP48
	GD32F150R4T6	72	16K	4K	up to 55	1	5	1	1	1	2	1	1	1	1	1	1	1	1(16)	1	LQFP64
	GD32F150R6T6	72	32K	6K	up to 55	1	5	1	1	1	2	1	2	1	1	1	1	1	1(16)	1	LQFP64
	GD32F150R8T6	72	64K	8K	up to 55	1	5	1	1	1	2	1	2	2	2	1	1	1	1(16)	1	LQFP64

低功耗MCU

GD32L23x系列
ARM® Cortex®-M23内核32位低功耗MCU选型

Series	Part No.	Max Speed (MHz)	Memory (Bytes)		I/O	Timer								Connectivity									Analog Interface		Package
			Flash	SRAM		LPTM (32bit)	LPTM (16bit)	GPTM (16bit)	Advanced TM (16bit)	Basic TM (16bit)	SysTick (24bit)	WDG	RTC	USART +UART	LP UART	I²C	SPI	USB 2.0	CAN 2.0B	I²S	Comp	Segment LCD	12bit ADC Units (CHs)	12bit DAC Units	
GD32L235	GD32L235E8Y6TR	64	64K	12K	up to 23		2	5	1	2	1	2	1	2+1	2	3	2		1	1	2		1(10)	1	WLCSP25
	GD32L235EBY6TR	64	128K	24K	up to 23		2	6	1	2	1	2	1	2+2	2	3	2		1	1	2		1(10)	1	WLCSP25
	GD32L235K8Q6	64	64K	12K	up to 29		2	5	1	2	1	2	1	2+1	2	3	2	FS	1	1	2		1(10)	1	QFN32
	GD32L235KBQ6	64	128K	24K	up to 29		2	6	1	2	1	2	1	2+2	2	3	2	FS	1	1	2		1(10)	1	QFN32
	GD32L235K8Q6P	64	64K	12K	up to 28		2	5	1	2	1	2	1	2+1	2	3	2	FS	1	1	2		1(10)	1	QFN32
	GD32L235KBQ6P	64	128K	24K	up to 28		2	6	1	2	1	2	1	2+2	2	3	2	FS	1	1	2		1(10)	1	QFN32
	GD32L235K8T6	64	64K	12K	up to 27		2	5	1	2	1	2	1	2+1	2	3	2	FS	1	1	2		1(10)	1	LQFP32
	GD32L235KBT6	64	128K	24K	up to 27		2	6	1	2	1	2	1	2+2	2	3	2	FS	1	1	2		1(10)	1	LQFP32
	GD32L235C8O6	64	64K	12K	up to 43		2	5	1	2	1	2	1	2+1	2	3	2	FS	1	1	2		1(10)	1	QFN48
	GD32L235CBO6	64	128K	24K	up to 43		2	6	1	2	1	2	1	2+2	2	3	2	FS	1	1	2		1(10)	1	QFN48
	GD32L235C8T6	64	64K	12K	up to 43		2	5	1	2	1	2	1	2+1	2	3	2	FS	1	1	2		1(10)	1	LQFP48
	GD32L235CBT6	64	128K	24K	up to 43		2	6	1	2	1	2	1	2+2	2	3	2	FS	1	1	2		1(10)	1	LQFP48
	GD32L235R8O6	64	64K	12K	up to 59		2	5	1	2	1	2	1	2+1	2	3	2	FS	1	1	2	8*28/4*32	1(16)	1	QFN64
	GD32L235RBO6	64	128K	24K	up to 59		2	6	1	2	1	2	1	2+2	2	3	2	FS	1	1	2	8*28/4*32	1(16)	1	QFN64
	GD32L235R8T6	64	64K	12K	up to 59		2	5	1	2	1	2	1	2+1	2	3	2	FS	1	1	2	8*28/4*32	1(16)	1	LQFP64
	GD32L235RBT6	64	128K	24K	up to 59		2	6	1	2	1	2	1	2+2	2	3	2	FS	1	1	2	8*28/4*32	1(16)	1	LQFP64
GD32L233	GD32L233K8Q6	64	64K	16K	up to 29	1		3	0	2	1	2	1	2+1	1	2	2	FS		1	2		1(10)	1	QFN32
	GD32L233KBQ6	64	128K	24K	up to 29	1		3	0	2	1	2	1	2+1	1	2	2	FS		1	2		1(10)	1	QFN32
	GD32L233K8T6	64	64K	16K	up to 27	1		3	0	2	1	2	1	2+1	1	2	2	FS		1	2		1(10)	1	LQFP32
	GD32L233KBT6	64	128K	24K	up to 27	1		3	0	2	1	2	1	2+1	1	2	2	FS		1	2		1(10)	1	LQFP32
	GD32L233C8T6	64	64K	16K	up to 43	1		3	0	2	1	2	1	2+1	1	2	2	FS		1	2		1(10)	1	LQFP48
	GD32L233CBT6	64	128K	24K	up to 43	1		4	0	2	1	2	1	2+2	1	2	2	FS		1	2		1(10)	1	LQFP48
	GD32L233CCT6	64	256K	32K	up to 43	1		4	0	2	1	2	1	2+2	1	2	2	FS		1	2		1(10)	1	LQFP48
	GD32L233CCY6TR	64	256K	32K	up to 39	1		4	0	2	1	2	1	2+2	1	2	2	FS		1	2		1(10)	1	WLCSP49
	GD32L233RCO6	64	256K	32K	up to 59	1		4	0	2	1	2	1	2+2	1	3	2	FS		1	2	8*28/4*32	1(16)	1	QFN64
	GD32L233R8T6	64	64K	16K	up to 59	1		3	0	2	1	2	1	2+1	1	3	2	FS		1	2	8*28/4*32	1(16)	1	LQFP64
	GD32L233RBT6	64	128K	24K	up to 59	1		4	0	2	1	2	1	2+2	1	3	2	FS		1	2	8*28/4*32	1(16)	1	LQFP64
	GD32L233RCT6	64	256K	32K	up to 59	1		4	0	2	1	2	1	2+2	1	3	2	FS		1	2	8*28/4*32	1(16)	1	LQFP64

无线MCU

GD32VW553系列
RISC-V内核32位无线MCU选型

Series	Part No.	Max Speed (MHz)	Memory (Bytes)		I/O	Timer							Connectivity												Analog Interface		Package
			Flash	SRAM		GPTM (32bit)	GPTM (16bit)	Advanced TM (16bit)	Basic TM (16bit)	SysTick (64bit)	WDG	RTC	U(S)ART	I^2C	SPI	USB 2.0 FS	I^2S	QSPI	CAU	HAU	PKCAU	TRNG	IEEE 802.11	Bluetooth	12bit ADC Units (CHs)	12bit DAC Units	
GD32VW553	GD32VW553KIQ7	160	2048K	320K	up to 21	2	2	1	1	1	2	1	1+2	2	1			1	•	•	•	•	(b/g/n/ax) HE20	BLE 5.2	1(9)		QFN32
	GD32VW553KMQ7	160	4096K	320K	up to 21	2	2	1	1	1	2	1	1+2	2	1			1	•	•	•	•	(b/g/n/ax) HE20	BLE 5.2	1(9)		QFN32
	GD32VW553HIQ7	160	2048K	320K	up to 28	2	2	1	1	1	2	1	1+2	2	1			1	•	•	•	•	(b/g/n/ax) HE20	BLE 5.2	1(9)		QFN40
	GD32VW553HMQ7	160	4096K	320K	up to 28	2	2	1	1	1	2	1	1+2	2	1			1	•	•	•	•	(b/g/n/ax) HE20	BLE 5.2	1(9)		QFN40
	GD32VW553KIQ6	160	2048K	320K	up to 21	2	2	1	1	1	2	1	1+2	2	1			1	•	•	•	•	(b/g/n/ax) HE20	BLE 5.2	1(9)		QFN32
	GD32VW553KMQ6	160	4096K	320K	up to 21	2	2	1	1	1	2	1	1+2	2	1			1	•	•	•	•	(b/g/n/ax) HE20	BLE 5.2	1(9)		QFN32
	GD32VW553HIQ6	160	2048K	320K	up to 28	2	2	1	1	1	2	1	1+2	2	1			1	•	•	•	•	(b/g/n/ax) HE20	BLE 5.2	1(9)		QFN40
	GD32VW553HMQ6	160	4096K	320K	up to 28	2	2	1	1	1	2	1	1+2	2	1			1	•	•	•	•	(b/g/n/ax) HE20	BLE 5.2	1(9)		QFN40

GD32W515系列
ARM® Cortex®-M33内核32位无线MCU选型

Series	Part No.	Max Speed (MHz)	Memory (Bytes)		I/O	Timer							Connectivity											Analog Interface		Package
			Flash	SRAM		GPTM (32bit)	GPTM (16bit)	Advanced TM (16bit)	Basic TM (16bit)	SysTick (24bit)	WDG	RTC	U(S)ART	I^2C	SPI	USB 2.0 FS	I^2S	SDIO	IEEE 802.11	QSPI	Digital filters	Digital Camera	HW Security	12bit ADC Units (CHs)	Cap.Touch Key	
GD32W515	GD32W515TGQ6	180	1024K	384K	up to 25	2	3	1	1	1	2	1	3	2	2	OTG	1	1	b/g/n	1			•	1(5)	7	QFN36
	GD32W515TIQ6	180	2048K	448K	up to 25	2	3	1	1	1	2	1	3	2	2	OTG	1	1	b/g/n	1			•	1(5)	7	QFN36
	GD32W515P0Q6	180	0K	448K	up to 43	2	4	1	1	1	2	1	3	2	2	OTG	1	1	b/g/n	1	•	•	•	1(9)	12	QFN56
	GD32W515PIQ6	180	2048K	448K	up to 43	2	4	1	1	1	2	1	3	2	2	OTG	1	1	b/g/n	1	•	•	•	1(9)	12	QFN56

车规MCU

GD32A7系列
ARM® Cortex®-M7内核32位车规MCU选型

Series	Part No.	Max Speed (MHz)	Core Type	Memory (Bytes)			I/O	Timer						Connectivity									Analog Interface				Functional Safety	Security	Supply Voltage (V)	Temperature Range(TA)	Package
				Flash	Data-Flash	SRAM		GPTM (16bit)	Advanced TM (16bit)	Basic TM (32bit)	SysTick (24bit)	WDG	RTC	USART	I²C	SPI	QSPI	CAN-FD	LIN	Ethernet	MFCOM	SENT	12bit ADC Units	12bit ADC Channels	COMP	12bit DAC Units					
GD32A711	GD32A711ART3TA	120	Cortex-M7	1024K	128K+96K	128K	Up to 54	1	4	2	1	2	1	4	2	4	0	5	4	0	0	0	2	27	2	2	ISO26262 ASIL-B	Evita-full+SM2/3/4	2.7~5.5	-40~125℃	LQFP64
	GD32A711AVT3TA	120	Cortex-M7	1024K	128K+96K	128K	Up to 83	1	8	2	1	2	1	4	2	5	1	6	6	0	0	0	2	40	2	2	ISO26262 ASIL-B	Evita-full+SM2/3/4	2.7~5.5	-40~125℃	LQFP100
	GD32A711AZT3TA	120	Cortex-M7	1024K	128K+96K	128K	Up to 113	1	8	2	1	2	1	4	2	6	1	6	6	0	0	0	2	48	2	2	ISO26262 ASIL-B	Evita-full+SM2/3/4	2.7~5.5	-40~125℃	LQFP144
GD32A712	GD32A712AVT3TA	120	Cortex-M7	2048K	128K+96K	256K	Up to 83	1	8	2	1	2	1	4	2	5	1	6	6	0	0	0	2	40	2	2	ISO26262 ASIL-B	Evita-full+SM2/3/4	2.7~5.5	-40~125℃	LQFP100
	GD32A712AZT3TA	120	Cortex-M7	2048K	128K+96K	256K	Up to 113	1	8	2	1	2	1	4	2	6	1	6	6	0	0	0	2	48	2	2	ISO26262 ASIL-B	Evita-full+SM2/3/4	2.7~5.5	-40~125℃	LQFP144
	GD32A712AIT3TA	120	Cortex-M7	2048K	128K+96K	256K	Up to 146	1	8	2	1	2	1	4	2	6	1	6	6	0	0	0	2	48	2	2	ISO26262 ASIL-B	Evita-full+SM2/3/4	2.7~5.5	-40~125℃	LQFP176

Series	Part No.	Max Speed (MHz)	Core Type	Memory (Bytes)			I/O	Timer						Connectivity										Analog Interface				Functional Safety	Security	Supply Voltage (V)	Temperature Range(TA)	Package
				Flash	Data-Flash	SRAM		GPTM (16bit)	Advanced TM (16bit)	Basic TM (32bit)	SysTick (24bit)	WDG	RTC	USART	I²C	SPI	I²S	QSPI	CAN-FD	LIN	Ethernet	MFCOM	SENT	12bit ADC Units	12bit ADC Channels	12bit DAC Units	COMP					
GD32A714	GD32A714AVT3TA	160	Cortex-M7	4096K	128K+96K	512K	Up to 80	2	8	2	1	4	1	6	2	8	4	1	6	8	1	1	6	3	40	2	2	ISO26262 ASIL-B	Evita-full+SM2/3/4	2.97~5.5	-40~125℃	LQFP100
	GD32A714AZT3TA	160	Cortex-M7	4096K	128K+96K	512K	Up to 114	2	8	2	1	4	1	6	2	8	4	1	7	11	1	1	6	3	54	2	2	ISO26262 ASIL-B	Evita-full+SM2/3/4	2.97~5.5	-40~125℃	LQFP144
	GD32A714AIT3TA	160	Cortex-M7	4096K	128K+96K	512K	Up to 146	2	8	2	1	4	1	6	2	8	4	1	8	12	1	1	6	3	72	2	2	ISO26262 ASIL-B	Evita-full+SM2/3/4	2.97~5.5	-40~125℃	LQFP176
	GD32A714AXJ3TA	160	Cortex-M7	4096K	128K+96K	512K	Up to 218	2	8	2	1	4	1	6	2	8	4	1	8	12	1	1	6	3	72	2	2	ISO26262 ASIL-B	Evita-full+SM2/3/4	2.97~5.5	-40~125℃	BGA257
GD32A722	GD32A722AZT3TA	160	Dual Cortex-M7	2048K	128K+96K	256K	Up to 114	2	8	2	2	4	1	6	2	8	4	1	7	11	1	1	6	3	54	2	2	ISO26262 ASIL-B	Evita-full+SM2/3/4	2.97~5.5	-40~125℃	LQFP144
	GD32A722AIT3TA	160	Dual Cortex-M7	2048K	128K+96K	256K	Up to 146	2	8	2	2	4	1	6	2	8	4	1	8	12	1	1	6	3	72	2	2	ISO26262 ASIL-B	Evita-full+SM2/3/4	2.97~5.5	-40~125℃	LQFP176
	GD32A722AXJ3TA	160	Dual Cortex-M7	2048K	128K+96K	256K	Up to 218	2	8	2	2	4	1	6	2	8	4	1	8	12	1	1	6	3	72	2	2	ISO26262 ASIL-B	Evita-full+SM2/3/4	2.97~5.5	-40~125℃	BGA257
GD32A724	GD32A724AZT3TA	160	Dual Cortex-M7	4096K	128K+96K	512K	Up to 114	2	8	2	2	4	1	6	2	8	4	1	7	11	1	1	6	3	54	2	2	ISO26262 ASIL-B	Evita-full+SM2/3/4	2.97~5.5	-40~125℃	LQFP144
	GD32A724AIT3TA	160	Dual Cortex-M7	4096K	128K+96K	512K	Up to 146	2	8	2	2	4	1	6	2	8	4	1	8	12	1	1	6	3	72	2	2	ISO26262 ASIL-B	Evita-full+SM2/3/4	2.97~5.5	-40~125℃	LQFP176
	GD32A724AXJ3TA	160	Dual Cortex-M7	4096K	128K+96K	512K	Up to 218	2	8	2	2	4	1	6	2	8	4	1	8	12	1	1	6	3	72	2	2	ISO26262 ASIL-B	Evita-full+SM2/3/4	2.97~5.5	-40~125℃	BGA257
GD32A741	GD32A741AVT3TA	160	Lockstep Cortex-M7	1024K	128K+96K	128K	Up to 80	2	8	2	1	4	1	6	2	8	4	1	6	8	1	1	6	3	40	2	2	ISO26262 ASIL-D	Evita-full+SM2/3/4	2.97~5.5	-40~125℃	LQFP100
	GD32A741AZT3TA	160	Lockstep Cortex-M7	1024K	128K+96K	128K	Up to 114	2	8	2	1	4	1	6	2	8	4	1	7	11	1	1	6	3	54	2	2	ISO26262 ASIL-D	Evita-full+SM2/3/4	2.97~5.5	-40~125℃	LQFP144
	GD32A741AIT3TA	160	Lockstep Cortex-M7	1024K	128K+96K	128K	Up to 146	2	8	2	1	4	1	6	2	8	4	1	8	12	1	1	6	3	72	2	2	ISO26262 ASIL-D	Evita-full+SM2/3/4	2.97~5.5	-40~125℃	LQFP176
GD32A742	GD32A742AVT3TA	160	Lockstep Cortex-M7	2048K	128K+96K	256K	Up to 80	2	8	2	1	4	1	6	2	8	4	1	6	8	1	1	6	3	40	2	2	ISO26262 ASIL-D	Evita-full+SM2/3/4	2.97~5.5	-40~125℃	LQFP100
	GD32A742AZT3TA	160	Lockstep Cortex-M7	2048K	128K+96K	256K	Up to 114	2	8	2	1	4	1	6	2	8	4	1	7	11	1	1	6	3	54	2	2	ISO26262 ASIL-D	Evita-full+SM2/3/4	2.97~5.5	-40~125℃	LQFP144
	GD32A742AIT3TA	160	Lockstep Cortex-M7	2048K	128K+96K	256K	Up to 146	2	8	2	1	4	1	6	2	8	4	1	8	12	1	1	6	3	72	2	2	ISO26262 ASIL-D	Evita-full+SM2/3/4	2.97~5.5	-40~125℃	LQFP176
GD32A744	GD32A744AVT3TA	160	Lockstep Cortex-M7	4096K	128K+96K	512K	Up to 80	2	8	2	1	4	1	6	2	8	4	1	6	8	1	1	6	3	40	2	2	ISO26262 ASIL-D	Evita-full+SM2/3/4	2.97~5.5	-40~125℃	LQFP100
	GD32A744AZT3TA	160	Lockstep Cortex-M7	4096K	128K+96K	512K	Up to 114	2	8	2	1	4	1	6	2	8	4	1	7	11	1	1	6	3	54	2	2	ISO26262 ASIL-D	Evita-full+SM2/3/4	2.97~5.5	-40~125℃	LQFP144
	GD32A744AIT3TA	160	Lockstep Cortex-M7	4096K	128K+96K	512K	Up to 146	2	8	2	1	4	1	6	2	8	4	1	8	12	1	1	6	3	72	2	2	ISO26262 ASIL-D	Evita-full+SM2/3/4	2.97~5.5	-40~125℃	LQFP176
	GD32A744AXJ3TA	160	Lockstep Cortex-M7	4096K	128K+96K	512K	Up to 218	2	8	2	1	4	1	6	2	8	4	1	8	12	1	1	6	3	72	2	2	ISO26262 ASIL-D	Evita-full+SM2/3/4	2.97~5.5	-40~125℃	BGA257

车规MCU

GD32A5系列
ARM® Cortex®-M33内核32位车规MCU选型

Series	Part No.	Max Speed (MHz)	Memory (Bytes)			I/O	Timer						Connectivity							Analog Interface		Package
			Flash	SRAM	Data-Flash /EEPROM		GPTM (16bit)	Advanced TM (16bit)	Basic TM (16bit)	SysTick (24bit)	WDG	RTC	U(S)ART /LIN	I^2C	SPI	CAN2.0B	I^2S	COMP	MFCOM	12bit ADC Units (CHs)	12bit DAC Units	
GD32A503	GD32A503KBU3	100	128K	24K	32K/2K	up to 27	1	3	2	1	2	1	1	2	1	1xFD	0	1	1	2(12)	1	QFN32
	GD32A503KCU3	100	256K	32K	64K/4K	up to 27	1	4	2	1	2	1	1	2	1	1xFD	0	1	1	2(12)	1	QFN32
	GD32A503CBT3	100	128K	24K	32K/2K	up to 42	1	3	2	1	2	1	2	2	2	2xFD	1	1	1	2(20)	1	LQFP48
	GD32A503CCT3	100	256K	32K	64K/4K	up to 42	1	4	2	1	2	1	2	2	2	2xFD	1	1	1	2(20)	1	LQFP48
	GD32A503RBT3	100	128K	24K	32K/2K	up to 57	1	3	2	1	2	1	3	2	2	2xFD	1	1	1	2(27)	1	LQFP64
	GD32A503RCT3	100	256K	32K	64K/4K	up to 57	1	4	2	1	2	1	3	2	2	2xFD	1	1	1	2(27)	1	LQFP64
	GD32A503RDT3	100	384K	48K	64K/4K	up to 57	1	4	2	1	2	1	3	2	2	2xFD	1	1	1	2(27)	1	LQFP64
	GD32A503VBT3	100	128K	24K	32K/2K	up to 88	1	4	2	1	2	1	3	2	2	2xFD	1	1	1	2(32)	1	LQFP100
	GD32A503VCT3	100	256K	32K	64K/4K	up to 88	1	4	2	1	2	1	3	2	2	2xFD	1	1	1	2(32)	1	LQFP100
	GD32A503VDT3	100	384K	48K	64K/4K	up to 88	1	4	2	1	2	1	3	2	2	2xFD	1	1	1	2(32)	1	LQFP100
GD32A513	GD32A513KBU3	100	128K	24K	32K/2K	up to 27	1	3	2	1	2	1	1	2	1	1xFD	0	1	1	2(12)	1	QFN32
	GD32A513KCU3	100	256K	32K	64K/4K	up to 27	1	4	2	1	2	1	1	2	1	1xFD	0	1	1	2(12)	1	QFN32
	GD32A513CBT3	100	128K	24K	32K/2K	up to 42	1	3	2	1	2	1	2	2	2	2xFD	1	1	1	2(20)	1	LQFP48
	GD32A513CCT3	100	256K	32K	64K/4K	up to 42	1	4	2	1	2	1	2	2	2	2xFD	1	1	1	2(20)	1	LQFP48
	GD32A513RBT3	100	128K	24K	32K/2K	up to 57	1	3	2	1	2	1	3	2	2	2xFD	1	1	1	2(27)	1	LQFP64
	GD32A513RCT3	100	256K	32K	64K/4K	up to 57	1	4	2	1	2	1	3	2	2	2xFD	1	1	1	2(27)	1	LQFP64
	GD32A513RDT3	100	384K	48K	64K/4K	up to 57	1	4	2	1	2	1	3	2	2	2xFD	1	1	1	2(27)	1	LQFP64
	GD32A513VBT3	100	128K	24K	32K/2K	up to 88	1	4	2	1	2	1	3	2	2	2xFD	1	1	1	2(32)	1	LQFP100
	GD32A513VCT3	100	256K	32K	64K/4K	up to 88	1	4	2	1	2	1	3	2	2	2xFD	1	1	1	2(32)	1	LQFP100
	GD32A513VDT3	100	384K	48K	64K/4K	up to 88	1	4	2	1	2	1	3	2	2	2xFD	1	1	1	2(32)	1	LQFP100

车规MCU

GD32A490系列
ARM® Cortex®-M4内核32位车规MCU选型

Series	Part No.	Max Speed (MHz)	Memory (Bytes)		I/O	Timer						Connectivity											EXMC/ SDRAM	Analog Interface		Package
			Flash	SRAM		GPTM (16bit)	Adv TM (16bit)	GPTM (32bit)	Basic TM (16bit)	WDG	RTC	U(S)ART +UART	I²C	SPI	CAN 2.0B	USB OTG	I²S	SDIO	LCD- SDIO TFT	Camera	ETH MAC	IPA		12bit ADC Units (CHs)	12bit DAC Units	
GD32A490	GD32A490ZIT7	240	2048K	768K	up to 114	8	2	2	2	2	1	4+4	3	6	2	FS+HS	2	1	1	1	1	1	1/1	3(24)	2	LQFP144
	GD32A490ZKT7	240	3072K	256K	up to 114	8	2	2	2	2	1	4+4	3	6	2	FS+HS	2	1	1	1	1	1	1/1	3(24)	2	LQFP144
	GD32A490IIH7	240	2048K	768K	up to 140	8	2	2	2	2	1	4+4	3	6	2	FS+HS	2	1	1	1	1	1	1/1	3(24)	2	BGA176
	GD32A490IKH7	240	3072K	256K	up to 140	8	2	2	2	2	1	4+4	3	6	2	FS+HS	2	1	1	1	1	1	1/1	3(24)	2	BGA176

GD32A508系列
ARM® Cortex®-M33内核32位车规MCU选型

Part No.	Max Speed (MHz)	Memory (Bytes)		I/O	Timer							Connectivity											EXMC	Analog Interface		Package
		Flash	SRAM		GPTM (32bit)	GPTM (16bit)	Advanced TM (16bit)	Basic TM (16bit)	SysTick (24bit)	WDG	RTC	U(S)ART +UART	I²C	SPI	CAN 2.0B	USB 2.0	I²S	SDIO	Ethernet	TMU	HRTIM	COMP		12bit ADC Units (CHs)	12bit DAC Units	
GD32A508VET7	180	512K	128K	up to 80	1	9	2	2	1	2	1	4+2	3	3	3xFD	HS OTG	2		•	•	•	3	•	2(16)	2	LQFP100
GD32A508ZET7	180	512K	128K	up to 112	1	9	2	2	1	2	1	4+2	3	3	3xFD	HS OTG	2		•	•	•	3	•	2(16)	2	LQFP144

GD32A103系列
ARM® Cortex®-M4内核32位车规MCU选型

Part No.	Max Speed (MHz)	Memory (Bytes)		I/O	Timer						Connectivity								EXMC	Analog Interface		Package
		Flash	SRAM		GPTM (16bit)	Advanced TM (16bit)	Basic TM (16bit)	SysTick (24bit)	WDG	RTC	U(S)ART +UART	I²C	SPI	CAN 2.0B	USB 2.0 FS	I²S	SDIO	Ethernet		12bit ADC Units (CHs)	12bit DAC Units	
GD32A103TBU7	120	128K	32K	up to 26	4	1	2	1	2	1	2+0	1	1	2xFD	OTG					2(10)	2	QFN36
GD32A103CBT7	120	128K	32K	up to 37	10	1	2	1	2	1	3+0	2	3	2xFD	OTG	2				2(10)	2	LQFP48
GD32A103RBT7	120	128K	32K	up to 51	10	2	2	1	2	1	3+2	2	3	2xFD	OTG	2				2(16)	2	LQFP64
GD32A103VBT7	120	128K	32K	up to 80	10	2	2	1	2	1	3+2	2	3	2xFD	OTG	2			•	2(16)	2	LQFP100

GD32 MCU 产品封装形式

LQFP176 (24*24mm)	LQFP144 (20*20mm)	LQFP100 (14*14mm)	LQFP64 (10*10mm)	LQFP48 (7*7mm)

LQFP32 (7*7mm)	BGA240 (14*14mm)	BGA176 (10*10mm)	BGA100 (7*7mm)	QFN64 (7*7mm)

QFN56 (7*7mm)	QFN48 (7*7mm)	QFN36 (6*6mm)	QFN32 (5*5mm)	QFN32 (4*4mm)

QFN28 (4*4mm)	QFN24 (3*3mm)	TSSOP24 (7.8*4.4mm)	TSSOP20 (6.5*4.4mm)	LGA20 (3*3mm)

WLCSP49 (3*3mm)	WLCSP25 (2*2mm)

GD32 生态系统

所有提及的名称或品牌均为其所有者所有。

Analog

电源管理

- 无线基础设施
- 通信/网通
- 工业应用
- 安防设备
- IoT

电机驱动

- BLDC/BDC/步进电机
- 机器人和遥控玩具
- 工业自动化
- IoT

专用芯片

- TWS耳机充电盒
- 无线麦克风
- 客户定制
- DDR存储解决方案

电池管理

- 锂电池充电和保护
- IoT
- 清洁机器人
- 储能存储

信号链

- 电力测量/监控
- 多相马达控制
- 电池储能/化成
- 工业控制

电源管理

GD30LD 线性稳压器LDO产品选型

Part No.	V_{IN} (V)		V_{OUT} (V)		Output Current (A)	Dropout Voltage @ with BIAS (mV)	PSRR (db)	Output Voltage Noise (μVRMS)		Ground Current (mA)	Protection Features			Temperature Junction Range (°C)	Package	MPQ (PCS)	MOQ (PCS)
	With BIAS	Without BIAS	Pin-selectable	Set by a Resistor Divider	Max			0.8V Output	5V Output		Current Limiting	Over Temperature	Power Good				
GD30LD3300FUTR	1.1~6.5	1.4~6.5	0.5~2.075	0.5~5.2	3	180	42@10kHz	5.9	9.8	3	•	•	•	-40℃ ~125℃	QFN20	3000	3000
GD30LD3301FUTR	1.1~6.5	1.4~6.5	0.8~3.95	0.8~5.2	3	180	42@10kHz	5.9	9.8	3	•	•	•	-40℃ ~125℃	QFN20	3000	3000
GD30LD3137WETR	1.1~6.5	1.4~6.5	-	0.8~5.5	1.2	70	40@500kHz	4.4	7.7	3	•	•	•	-40℃ ~125℃	DFN8	3000	3000
GD30LD1003FUTY-I	1.1~6.5	1.4~6.5	0.8~3.95	0.8~5.2	2	125	39@ 500 KHz	5.9	9.8	3	•	•	•	-40℃ ~125℃	QFN20	490	2940
GD30LD1030MUTR-I	1.1~6.5	1.4~6.5	0.5~2.075	0.5~5.2	3	180	39@ 500 KHz	5.9	9.8	3	•	•	•	-40℃ ~125℃	QFN12	3000	3000

Part No.	V_{IN} (V)	V_{OUT} (V)		Output Current (A)	Dropout Voltage @ 2A (mV)	PSRR (db)	Ground Current (mA)	Protection Features			Temperature Junction Range (°C)	Package	MPQ (PCS)	MOQ (PCS)
		Pin-selectable	Set by a Resistor Divider	Max				Current Limiting	Over Temperature	Power Good				
GD30LD1000WGTR-I	1.4~6.5	-	0.5~5.2	2	300	39@ 500 KHz	3	•	•		-40℃ ~125℃	SOP8	4000	4000
GD30LD1000NBTR-I	1.4~6.5	-	0.5~5.2	2	300	39@ 500 KHz	3	•	•		-40℃ ~125℃	TO263	3000	3000
GD30LD1001LUTR	1.4~6.5	0.5~2.075	0.5~5.2	2	180	39@ 500 KHz	3	•	•	•	-40℃ ~125℃	QFN16	3000	3000
GD30LD1002WETR-I	1.4~6.5	-	0.5~5.2	1.2	200	39@ 500 KHz	3	•	•		-40℃ ~125℃	DFN8	3000	3000
GD30LD1031NBTR-I	1.4~6.5	-	0.5~5.2	3	300	-	3	•	•		-40℃ ~125℃	TO263	3000	3000

电源管理

GD30LD 线性稳压器LDO产品选型

Part No.	V_{IN} (V)	V_{OUT} (V)	Output Current (A)	Dropout Voltage @0.2A (mV)	PSRR (db)	Ground Current (μA)	Shutdown Current (μA)	Protection Features		Temperature Junction Range (℃)	Package	MPQ (PCS)	MOQ (PCS)
			Max				Max	Current Limiting	Over Temperature				
GD30LD2000NSTR-C08	1.9~5.5	0.8	0.3	180	50@1KHz	0.8	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2000NSTR-C10	1.9~5.5	1	0.3	180	50@1KHz	0.8	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2000NSTR-C12	1.9~5.5	1.2	0.3	180	50@1KHz	0.8	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2000NSTR-C15	1.9~5.5	1.5	0.3	180	50@1KHz	0.8	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2000NSTR-C18	1.9~5.5	1.8	0.3	180	50@1KHz	0.8	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2000NSTR-C25	1.9~5.5	2.5	0.3	180	50@1KHz	0.8	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2000NSTR-C28	1.9~5.5	2.8	0.3	180	50@1KHz	0.8	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2000NSTR-C30	1.9~5.5	3	0.3	180	50@1KHz	0.8	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2000NSTR-C33	1.9~5.5	3.3	0.3	180	50@1KHz	0.8	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2000NSTR-C36	1.9~5.5	3.6	0.3	180	50@1KHz	0.8	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2000BSTR-C08	1.9~5.5	0.8	0.3	180	50@1KHz	0.8	-	•	•	-40℃ ~125℃	SOT233	3000	3000
GD30LD2000BSTR-C10	1.9~5.5	1	0.3	180	50@1KHz	0.8	-	•	•	-40℃ ~125℃	SOT233	3000	3000
GD30LD2000BSTR-C12	1.9~5.5	1.2	0.3	180	50@1KHz	0.8	-	•	•	-40℃ ~125℃	SOT233	3000	3000
GD30LD2000BSTR-C15	1.9~5.5	1.5	0.3	180	50@1KHz	0.8	-	•	•	-40℃ ~125℃	SOT233	3000	3000
GD30LD2000BSTR-C18	1.9~5.5	1.8	0.3	180	50@1KHz	0.8	-	•	•	-40℃ ~125℃	SOT233	3000	3000
GD30LD2000BSTR-C25	1.9~5.5	2.5	0.3	180	50@1KHz	0.8	-	•	•	-40℃ ~125℃	SOT233	3000	3000
GD30LD2000BSTR-C28	1.9~5.5	2.8	0.3	180	50@1KHz	0.8	-	•	•	-40℃ ~125℃	SOT233	3000	3000
GD30LD2000BSTR-C30	1.9~5.5	3	0.3	180	50@1KHz	0.8	-	•	•	-40℃ ~125℃	SOT233	3000	3000
GD30LD2000BSTR-C33	1.9~5.5	3.3	0.3	180	50@1KHz	0.8	-	•	•	-40℃ ~125℃	SOT233	3000	3000
GD30LD2000BSTR-C36	1.9~5.5	3.6	0.3	180	50@1KHz	0.8	-	•	•	-40℃ ~125℃	SOT233	3000	3000
GD30LD2000JETR-C08	1.9~5.5	0.8	0.3	180	50@1KHz	0.8	0.1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2000JETR-C10	1.9~5.5	1	0.3	180	50@1KHz	0.8	0.1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2000JETR-C12	1.9~5.5	1.2	0.3	180	50@1KHz	0.8	0.1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2000JETR-C15	1.9~5.5	1.5	0.3	180	50@1KHz	0.8	0.1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2000JETR-C18	1.9~5.5	1.8	0.3	180	50@1KHz	0.8	0.1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2000JETR-C25	1.9~5.5	2.5	0.3	180	50@1KHz	0.8	0.1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2000JETR-C28	1.9~5.5	2.8	0.3	180	50@1KHz	0.8	0.1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2000JETR-C30	1.9~5.5	3	0.3	180	50@1KHz	0.8	0.1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2000JETR-C33	1.9~5.5	3.3	0.3	180	50@1KHz	0.8	0.1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2000JETR-C36	1.9~5.5	3.6	0.3	180	50@1KHz	0.8	0.1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2001NSTR-I12	2.5-5.5	1.2	0.3	270	60@1KHz	0.3	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2001NSTR-I15	2.5-5.5	1.5	0.3	270	60@1KHz	0.3	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2001NSTR-I18	2.5-5.5	1.8	0.3	270	60@1KHz	0.3	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000

电源管理

GD30LD 线性稳压器LDO产品选型

Part No.	V_{IN} (V)	V_{OUT} (V)	Output Current (A)	Dropout Voltage @0.2A (mV)	PSRR (db)	Ground Current (μA)	Shutdown Current (μA)	Protection Features		Temperature Junction Range (℃)	Package	MPQ (PCS)	MOQ (PCS)
			Max				Max	Current Limiting	Over Temperature				
GD30LD2001NSTR-I25	2.5-5.5	2.5	0.3	270	60@1KHz	0.3	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2001NSTR-I28	2.5-5.5	2.8	0.3	270	60@1KHz	0.3	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2001NSTR-I30	2.5-5.5	3	0.3	270	60@1KHz	0.3	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2001NSTR-I33	2.5-5.5	3.3	0.3	270	60@1KHz	0.3	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2001NSTR-I36	2.5-5.5	3.6	0.3	270	60@1KHz	0.3	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2001NSTR-I50	2.5-5.5	5	0.3	270	60@1KHz	0.3	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2001BSTR-I12	2.5-5.5	1.2	0.3	270	60@1KHz	0.3	-	•	•	-40℃ ~125℃	SOT233	3000	3000
GD30LD2001BSTR-I15	2.5-5.5	1.5	0.3	270	60@1KHz	0.3	-	•	•	-40℃ ~125℃	SOT233	3000	3000
GD30LD2001BSTR-I18	2.5-5.5	1.8	0.3	270	60@1KHz	0.3	-	•	•	-40℃ ~125℃	SOT233	3000	3000
GD30LD2001BSTR-I25	2.5-5.5	2.5	0.3	270	60@1KHz	0.3	-	•	•	-40℃ ~125℃	SOT233	3000	3000
GD30LD2001BSTR-I28	2.5-5.5	2.8	0.3	270	60@1KHz	0.3	-	•	•	-40℃ ~125℃	SOT233	3000	3000
GD30LD2001BSTR-I30	2.5-5.5	3	0.3	270	60@1KHz	0.3	-	•	•	-40℃ ~125℃	SOT233	3000	3000
GD30LD2001BSTR-I33	2.5-5.5	3.3	0.3	270	60@1KHz	0.3	-	•	•	-40℃ ~125℃	SOT233	3000	3000
GD30LD2001BSTR-I36	2.5-5.5	3.6	0.3	270	60@1KHz	0.3	-	•	•	-40℃ ~125℃	SOT233	3000	3000
GD30LD2001BSTR-I50	2.5-5.5	5	0.3	270	60@1KHz	0.3	-	•	•	-40℃ ~125℃	SOT233	3000	3000
GD30LD2001JETR-I12	2.5-5.5	1.2	0.3	270	60@1KHz	0.3	0.1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2001JETR-I15	2.5-5.5	1.5	0.3	270	60@1KHz	0.3	0.1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2001JETR-I18	2.5-5.5	1.8	0.3	270	60@1KHz	0.3	0.1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2001JETR-I25	2.5-5.5	2.5	0.3	270	60@1KHz	0.3	0.1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2001JETR-I28	2.5-5.5	2.8	0.3	270	60@1KHz	0.3	0.1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2001JETR-I30	2.5-5.5	3	0.3	270	60@1KHz	0.3	0.1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2001JETR-I33	2.5-5.5	3.3	0.3	270	60@1KHz	0.3	0.1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2001JETR-I36	2.5-5.5	3.6	0.3	270	60@1KHz	0.3	0.1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2001JETR-I50	2.5-5.5	5	0.3	270	60@1KHz	0.3	0.1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2010NSTR-I08	1.5~7.0	0.8	0.5	520	87@1KHz	40	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2010NSTR-I10	1.5~7.0	1	0.5	520	87@1KHz	40	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2010NSTR-I12	1.5~7.0	1.2	0.5	520	87@1KHz	40	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2010NSTR-I15	1.5~7.0	1.5	0.5	520	87@1KHz	40	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2010NSTR-I18	1.5~7.0	1.8	0.5	520	87@1KHz	40	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2010NSTR-I25	1.5~7.0	2.5	0.5	520	87@1KHz	40	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2010NSTR-I28	1.5~7.0	2.8	0.5	520	87@1KHz	40	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2010NSTR-I30	1.5~7.0	3	0.5	520	87@1KHz	40	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2010NSTR-I33	1.5~7.0	3.3	0.5	520	87@1KHz	40	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000

电源管理

GD30LD 线性稳压器LDO产品选型

Part No.	V_{IN} (V)	V_{OUT} (V)	Output Current (A)	Dropout Voltage @0.2A (mV)	PSRR (db)	Ground Current (μA)	Shutdown Current (μA)	Protection Features		Temperature Junction Range (℃)	Package	MPQ (PCS)	MOQ (PCS)
			Max				Max	Current Limiting	Over Temperature				
GD30LD2010NSTR-I36	1.5~7.0	3.6	0.5	520	87@1KHz	40	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2010NSTR-I50	1.5~7.0	5	0.5	520	87@1KHz	40	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2010JETR-I08	1.5~7.0	0.8	0.5	520	87@1KHz	40	0.1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2010JETR-I10	1.5~7.0	1	0.5	520	87@1KHz	40	0.1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2010JETR-I12	1.5~7.0	1.2	0.5	520	87@1KHz	40	0.1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2010JETR-I15	1.5~7.0	1.5	0.5	520	87@1KHz	40	0.1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2010JETR-I18	1.5~7.0	1.8	0.5	520	87@1KHz	40	0.1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2010JETR-I25	1.5~7.0	2.5	0.5	520	87@1KHz	40	0.1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2010JETR-I28	1.5~7.0	2.8	0.5	520	87@1KHz	40	0.1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2010JETR-I30	1.5~7.0	3	0.5	520	87@1KHz	40	0.1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2010JETR-I33	1.5~7.0	3.3	0.5	520	87@1KHz	40	0.1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2010JETR-I36	1.5~7.0	3.6	0.5	520	87@1KHz	40	0.1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2010JETR-I50	1.5~7.0	5	0.5	520	87@1KHz	40	0.1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2011NSTR-I12	1.8~7.0	1.2	0.5	270	80@1KHz	40	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2011NSTR-I15	1.8~7.0	1.5	0.5	270	80@1KHz	40	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2011NSTR-I18	1.8~7.0	1.8	0.5	270	80@1KHz	40	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2011NSTR-I25	1.8~7.0	2.5	0.5	270	80@1KHz	40	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2011NSTR-I28	1.8~7.0	2.8	0.5	270	80@1KHz	40	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2011NSTR-I30	1.8~7.0	3	0.5	270	80@1KHz	40	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2011NSTR-I33	1.8~7.0	3.3	0.5	270	80@1KHz	40	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2011NSTR-I36	1.8~7.0	3.6	0.5	270	80@1KHz	40	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2011NSTR-I42	1.8~7.0	4.2	0.5	270	80@1KHz	40	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2011NSTR-I50	1.8~7.0	5	0.5	270	80@1KHz	40	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2011JETR-I12	1.8~7.0	1.2	0.5	270	80@1KHz	40	0.1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2011JETR-I15	1.8~7.0	1.5	0.5	270	80@1KHz	40	0.1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2011JETR-I18	1.8~7.0	1.8	0.5	270	80@1KHz	40	0.1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2011JETR-I25	1.8~7.0	2.5	0.5	270	80@1KHz	40	0.1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2011JETR-I28	1.8~7.0	2.8	0.5	270	80@1KHz	40	0.1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2011JETR-I30	1.8~7.0	3	0.5	270	80@1KHz	40	0.1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2011JETR-I33	1.8~7.0	3.3	0.5	270	80@1KHz	40	0.1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2011JETR-I36	1.8~7.0	3.6	0.5	270	80@1KHz	40	0.1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2011JETR-I42	1.8~7.0	4.2	0.5	270	80@1KHz	40	0.1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2011JETR-I50	1.8~7.0	5	0.5	270	80@1KHz	40	0.1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000

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GD30LD 线性稳压器LDO产品选型

Part No.	V_{IN} (V)	V_{OUT} (V)	Output Current (A)	Dropout Voltage @0.2A (mV)	PSRR (db)	Ground Current (μA)	Shutdown Current (μA)	Protection Features		Temperature Junction Range (℃)	Package	MPQ (PCS)	MOQ (PCS)
			Max				Max	Current Limiting	Over Temperature				
GD30LD2100BSTR-I15	2.3-10	1.5	0.4	300	76@1KHz	2.1	-	•	•	-40℃ ~85℃	SOT233	3000	3000
GD30LD2100BSTR-I18	2.3-10	1.8	0.4	300	76@1KHz	2.1	-	•	•	-40℃ ~85℃	SOT233	3000	3000
GD30LD2100BSTR-I28	2.3-10	2.8	0.4	300	76@1KHz	2.1	-	•	•	-40℃ ~85℃	SOT233	3000	3000
GD30LD2100BSTR-I30	2.3-10	3	0.4	300	76@1KHz	2.1	-	•	•	-40℃ ~85℃	SOT233	3000	3000
GD30LD2100BSTR-I33	2.3-10	3.3	0.4	300	76@1KHz	2.1	-	•	•	-40℃ ~85℃	SOT233	3000	3000
GD30LD2100BSTR-I50	2.3-10	5	0.4	300	76@1KHz	2.1	-	•	•	-40℃ ~85℃	SOT233	3000	3000
GD30LD2100NSTR-I15	2.3-10	1.5	0.4	300	76@1KHz	2.1	0.1	•	•	-40℃ ~85℃	SOT235	3000	3000
GD30LD2100NSTR-I18	2.3-10	1.8	0.4	300	76@1KHz	2.1	0.1	•	•	-40℃ ~85℃	SOT235	3000	3000
GD30LD2100NSTR-I28	2.3-10	2.8	0.4	300	76@1KHz	2.1	0.1	•	•	-40℃ ~85℃	SOT235	3000	3000
GD30LD2100NSTR-I30	2.3-10	3	0.4	300	76@1KHz	2.1	0.1	•	•	-40℃ ~85℃	SOT235	3000	3000
GD30LD2100NSTR-I33	2.3-10	3.3	0.4	300	76@1KHz	2.1	0.1	•	•	-40℃ ~85℃	SOT235	3000	3000
GD30LD2100NSTR-I50	2.3-10	5	0.4	300	76@1KHz	2.1	0.1	•	•	-40℃ ~85℃	SOT235	3000	3000
GD30LD2100BWTR-I15	2.3-10	1.5	0.4	300	76@1KHz	2.1	-	•	•	-40℃ ~85℃	SOT893	3000	3000
GD30LD2100BWTR-I18	2.3-10	1.8	0.4	300	76@1KHz	2.1	-	•	•	-40℃ ~85℃	SOT893	3000	3000
GD30LD2100BWTR-I28	2.3-10	28	0.4	300	76@1KHz	2.1	-	•	•	-40℃ ~85℃	SOT893	3000	3000
GD30LD2100BWTR-I30	2.3-10	3	0.4	300	76@1KHz	2.1	-	•	•	-40℃ ~85℃	SOT893	3000	3000
GD30LD2100BWTR-I33	2.3-10	3.3	0.4	300	76@1KHz	2.1	-	•	•	-40℃ ~85℃	SOT893	3000	3000
GD30LD2100BWTR-I50	2.3-10	5	0.4	300	76@1KHz	2.1	-	•	•	-40℃ ~85℃	SOT893	3000	3000
GD30LD2100JETR-I15	2.3-10	1.5	0.4	300	76@1KHz	2.1	0.1	•	•	-40℃ ~85℃	DFN 1x1	10000	10000
GD30LD2100JETR-I18	2.3-10	1.8	0.4	300	76@1KHz	2.1	0.1	•	•	-40℃ ~85℃	DFN 1x1	10000	10000
GD30LD2100JETR-I28	2.3-10	2.8	0.4	300	76@1KHz	2.1	0.1	•	•	-40℃ ~85℃	DFN 1x1	10000	10000
GD30LD2100JETR-I30	2.3-10	3	0.4	300	76@1KHz	2.1	0.1	•	•	-40℃ ~85℃	DFN 1x1	10000	10000
GD30LD2100JETR-I33	2.3-10	3.3	0.4	300	76@1KHz	2.1	0.1	•	•	-40℃ ~85℃	DFN 1x1	10000	10000
GD30LD2100JETR-I50	2.3-10	5	0.4	300	76@1KHz	2.1	0.1	•	•	-40℃ ~85℃	DFN 1x1	10000	10000
GD30LD2400BSTR-I18	2.5~45	1.8	0.35	690	60@1KHz	2.5	-	•	•	-40℃ ~125℃	SOT233	3000	3000
GD30LD2400BSTR-I25	2.5~45	2.5	0.35	690	60@1KHz	2.5	-	•	•	-40℃ ~125℃	SOT233	3000	3000
GD30LD2400BSTR-I30	2.5~45	3	0.35	690	60@1KHz	2.5	-	•	•	-40℃ ~125℃	SOT233	3000	3000
GD30LD2400BSTR-I33	2.5~45	3.3	0.35	690	60@1KHz	2.5	-	•	•	-40℃ ~125℃	SOT233	3000	3000
GD30LD2400BSTR-I36	2.5~45	3.6	0.35	690	60@1KHz	2.5	-	•	•	-40℃ ~125℃	SOT233	3000	3000
GD30LD2400BSTR-I50	2.5~45	5	0.35	690	60@1KHz	2.5	-	•	•	-40℃ ~125℃	SOT233	3000	3000
GD30LD2400NSTR-I18	2.5~45	1.8	0.35	690	60@1KHz	2.5	1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2400NSTR-I25	2.5~45	2.5	0.35	690	60@1KHz	2.5	1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2400NSTR-I30	2.5~45	3	0.35	690	60@1KHz	2.5	1	•	•	-40℃ ~125℃	SOT235	3000	3000

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GD30LD 线性稳压器LDO产品选型

Part No.	V_{IN} (V)	V_{OUT} (V)	Output Current (A)	Dropout Voltage @0.2A (mV)	PSRR (db)	Ground Current (μA)	Shutdown Current (μA)	Protection Features		Temperature Junction Range (℃)	Package	MPQ (PCS)	MOQ (PCS)
			Max				Max	Current Limiting	Over Temperature				
GD30LD2400NSTR-I33	2.5~45	3.3	0.35	690	60@1KHz	2.5	1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2400NSTR-I36	2.5~45	3.6	0.35	690	60@1KHz	2.5	1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2400NSTR-I50	2.5~45	5	0.35	690	60@1KHz	2.5	1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2400BWTR-I18	2.5~45	1.8	0.35	690	60@1KHz	2.5	-	•	•	-40℃ ~125℃	SOT893	1000	1000
GD30LD2400BWTR-I25	2.5~45	2.5	0.35	690	60@1KHz	2.5	-	•	•	-40℃ ~125℃	SOT893	1000	1000
GD30LD2400BWTR-I30	2.5~45	3	0.35	690	60@1KHz	2.5	-	•	•	-40℃ ~125℃	SOT893	1000	1000
GD30LD2400BWTR-I33	2.5~45	3.3	0.35	690	60@1KHz	2.5	-	•	•	-40℃ ~125℃	SOT893	1000	1000
GD30LD2400BWTR-I36	2.5~45	3.6	0.35	690	60@1KHz	2.5	-	•	•	-40℃ ~125℃	SOT893	1000	1000
GD30LD2400BWTR-I50	2.5~45	5	0.35	690	60@1KHz	2.5	-	•	•	-40℃ ~125℃	SOT893	1000	1000
GD30LD2400JETR-I18	2.5~45	1.8	0.35	690	60@1KHz	2.5	1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2400JETR-I25	2.5~45	2.5	0.35	690	60@1KHz	2.5	1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2400JETR-I30	2.5~45	3	0.35	690	60@1KHz	2.5	1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2400JETR-I33	2.5~45	3.3	0.35	690	60@1KHz	2.5	1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2400JETR-I36	2.5~45	3.6	0.35	690	60@1KHz	2.5	1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2400JETR-I50	2.5~45	5	0.35	690	60@1KHz	2.5	1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2401BSTR-I18	2.5~36	1.8	0.25	690	60@1KHz	2.5	-	•	•	-40℃ ~125℃	SOT233	3000	3000
GD30LD2401BSTR-I25	2.5~36	2.5	0.25	690	60@1KHz	2.5	-	•	•	-40℃ ~125℃	SOT233	3000	3000
GD30LD2401BSTR-I30	2.5~36	3	0.25	690	60@1KHz	2.5	-	•	•	-40℃ ~125℃	SOT233	3000	3000
GD30LD2401BSTR-I33	2.5~36	3.3	0.25	690	60@1KHz	2.5	-	•	•	-40℃ ~125℃	SOT233	3000	3000
GD30LD2401BSTR-I36	2.5~36	3.6	0.25	690	60@1KHz	2.5	-	•	•	-40℃ ~125℃	SOT233	3000	3000
GD30LD2401BSTR-I50	2.5~36	5	0.25	690	60@1KHz	2.5	-	•	•	-40℃ ~125℃	SOT233	3000	3000
GD30LD2401NSTR-I18	2.5~36	1.8	0.25	690	60@1KHz	2.5	1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2401NSTR-I25	2.5~36	2.5	0.25	690	60@1KHz	2.5	1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2401NSTR-I30	2.5~36	3	0.25	690	60@1KHz	2.5	1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2401NSTR-I33	2.5~36	3.3	0.25	690	60@1KHz	2.5	1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2401NSTR-I36	2.5~36	3.6	0.25	690	60@1KHz	2.5	1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2401NSTR-I50	2.5~36	5	0.25	690	60@1KHz	2.5	1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2401BWTR-I18	2.5~36	1.8	0.25	690	60@1KHz	2.5	-	•	•	-40℃ ~125℃	SOT893	1000	1000
GD30LD2401BWTR-I25	2.5~36	2.5	0.25	690	60@1KHz	2.5	-	•	•	-40℃ ~125℃	SOT893	1000	1000
GD30LD2401BWTR-I30	2.5~36	3	0.25	690	60@1KHz	2.5	-	•	•	-40℃ ~125℃	SOT893	1000	1000
GD30LD2401BWTR-I33	2.5~36	3.3	0.25	690	60@1KHz	2.5	-	•	•	-40℃ ~125℃	SOT893	1000	1000
GD30LD2401BWTR-I36	2.5~36	3.6	0.25	690	60@1KHz	2.5	-	•	•	-40℃ ~125℃	SOT893	1000	1000
GD30LD2401BWTR-I50	2.5~36	5	0.25	690	60@1KHz	2.5	-	•	•	-40℃ ~125℃	SOT893	1000	1000

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GD30LD 线性稳压器LDO产品选型

Part No.	V_{IN} (V)	V_{OUT} (V)	Output Current (A)	Dropout Voltage @0.2A (mV)	PSRR (db)	Ground Current (μA)	Shutdown Current (μA)	Protection Features		Temperature Junction Range (℃)	Package	MPQ (PCS)	MOQ (PCS)
			Max				Max	Current Limiting	Over Temperature				
GD30LD2401JETR-I18	2.5~36	1.8	0.25	690	60@1KHz	2.5	1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2401JETR-I25	2.5~36	2.5	0.25	690	60@1KHz	2.5	1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2401JETR-I30	2.5~36	3	0.25	690	60@1KHz	2.5	1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2401JETR-I33	2.5~36	3.3	0.25	690	60@1KHz	2.5	1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2401JETR-I36	2.5~36	3.6	0.25	690	60@1KHz	2.5	1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2401JETR-I50	2.5~36	5	0.25	690	60@1KHz	2.5	1	•	•	-40℃ ~125℃	DFN 1x1	10000	10000
GD30LD2402BSTR-I30	3.0~30	3	0.2	1200	40@1KHz	1.5	-	•	•	-40℃ ~125℃	SOT233	3000	3000
GD30LD2402BSTR-I33	3.0~30	3.3	0.2	1200	40@1KHz	1.5	-	•	•	-40℃ ~125℃	SOT233	3000	3000
GD30LD2402BSTR-I36	3.0~30	3.6	0.2	1200	40@1KHz	1.5	-	•	•	-40℃ ~125℃	SOT233	3000	3000
GD30LD2402BSTR-I50	3.0~30	5	0.2	1000	40@1KHz	1.5	-	•	•	-40℃ ~125℃	SOT233	3000	3000
GD30LD2402NSTR-S30	3.0~30	3	0.2	1200	40@1KHz	1.5	-	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2402NSTR-S33	3.0~30	3.3	0.2	1200	40@1KHz	1.5	-	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2402NSTR-S36	3.0~30	3.6	0.2	1200	40@1KHz	1.5	-	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2402NSTR-S50	3.0~30	5	0.2	1000	40@1KHz	1.5	-	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2402BWTR-S30	3.0~30	3	0.2	1200	40@1KHz	1.5	-	•	•	-40℃ ~125℃	SOT893	1000	1000
GD30LD2402BWTR-S33	3.0~30	3.3	0.2	1200	40@1KHz	1.5	-	•	•	-40℃ ~125℃	SOT893	1000	1000
GD30LD2402BWTR-S36	3.0~30	3.6	0.2	1200	40@1KHz	1.5	-	•	•	-40℃ ~125℃	SOT893	1000	1000
GD30LD2402BWTR-S50	3.0~30	5	0.2	1000	40@1KHz	1.5	-	•	•	-40℃ ~125℃	SOT893	1000	1000
GD30LD2405BSTR-I30	3.0~40	3	0.25	1060	57@1KHz	2	-	•	•	-40℃ ~85℃	SOT233	3000	3000
GD30LD2405BSTR-I33	3.0~40	3.3	0.25	1060	57@1KHz	2	-	•	•	-40℃ ~85℃	SOT233	3000	3000
GD30LD2405BSTR-I50	3.0~40	5	0.25	1060	57@1KHz	2	-	•	•	-40℃ ~85℃	SOT233	3000	3000
GD30LD2405NSTR-S30	3.0~40	3	0.25	1060	57@1KHz	2	-	•	•	-40℃ ~85℃	SOT235	3000	3000
GD30LD2405NSTR-S33	3.0~40	3.3	0.25	1060	57@1KHz	2	-	•	•	-40℃ ~85℃	SOT235	3000	3000
GD30LD2405NSTR-S50	3.0~40	5	0.25	1060	57@1KHz	2	-	•	•	-40℃ ~85℃	SOT235	3000	3000
GD30LD2406BSTR-I30	3.0~40	3	0.2	1600	70@1KHz	2.5	-	•	•	-40℃ ~125℃	SOT233	3000	3000
GD30LD2406BSTR-I33	3.0~40	3.3	0.2	1600	70@1KHz	2.5	-	•	•	-40℃ ~125℃	SOT233	3000	3000
GD30LD2406BSTR-I50	3.0~40	5	0.2	1600	70@1KHz	2.5	-	•	•	-40℃ ~125℃	SOT233	3000	3000
GD30LD2406NSTR-I30	3.0~40	3	0.2	1600	70@1KHz	2.5	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2406NSTR-I33	3.0~40	3.3	0.2	1600	70@1KHz	2.5	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2406NSTR-I50	3.0~40	5	0.2	1600	70@1KHz	2.5	0.1	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30LD2406BWTR-I30	3.0~40	3	0.2	1600	70@1KHz	2.5	-	•	•	-40℃ ~125℃	SOT893	1000	1000
GD30LD2406BWTR-I33	3.0~40	3.3	0.2	1600	70@1KHz	2.5	-	•	•	-40℃ ~125℃	SOT893	1000	1000
GD30LD2406BWTR-I50	3.0~40	5	0.2	1600	70@1KHz	2.5	-	•	•	-40℃ ~125℃	SOT893	1000	1000

电源管理

GD30DC DC/DC转换器产品选型

Part No.	Function	Supply Voltage (V)		Output Current (A)	Ron (mΩ)		Reference Voltage (V)	Quiescent Current (μA)	Switching Frequency (MHz)	100% Duty Cycle	Protection Features				Note	Temperature Operating Range (℃)	Package	MPQ (PCS)	MOQ (PCS)
		Min	Max	Max	HSFET	LSFET	Typ	Typ	Typ		Over Voltage	Over Current	Hiccup Short Circuit	Over Temperature					
GD30DC1101NSTR-I	BUCK	2.5	5.5	1	250	200	0.6	25	1.5	•	•	•	•	•	SS/Comp./Current Mode	-40℃ ~85℃	SOT235	3000	3000
GD30DC1101SSTR-I	BUCK	2.5	5.5	1	250	200	0.6	25	1.5	•	•	•	•	•	SS/Comp./Current Mode	-40℃ ~85℃	SOT236	3000	3000
GD30DC1105NSTR-I	BUCK	2.5	5.5	1.2	250	200	0.6	25	1.5	•	•	•	•	•	SS/Comp./Current Mode	-40℃ ~85℃	SOT235	3000	3000
GD30DC1103NSTR-I	BUCK	2.5	6	1	200	150	0.6	25	1.5	•	•	•	•	•	SS/Comp./Current Mode	-40℃ ~85℃	SOT235	3000	3000
GD30DC1107NSTR-I	BUCK	2.5	6	1	200	150	0.6	-	1.5	•	•	•	•	•	SS/Comp./Current Mode/FCCM	-40℃ ~85℃	SOT235	3000	3000
GD30DC1103SOTR-I	BUCK	2.5	6	1	200	150	0.6	25	1.5	•	•	•	•	•	SS/Comp./Current Mode	-40℃ ~85℃	SOT563	5000	5000
GD30DC1106NSTR-I	BUCK	2.5	6	1.2	200	150	0.6	25	1.5	•	•	•	•	•	SS/Comp./Current Mode	-40℃ ~85℃	SOT235	3000	3000
GD30DC1109NSTR-I	BUCK	2.5	6	1.2	200	150	0.6	-	1.5	•	•	•	•	•	SS/Comp./Current Mode/FCCM	-40℃ ~85℃	SOT235	3000	3000
GD30DC1104NSTR-I	BUCK	2.7	5.75	2	65	60	0.6	35	1.5	•	•	•	•	•	SS/Comp./Current Mode	-40℃ ~85℃	SOT235	3000	3000
GD30DC1108NSTR-I	BUCK	2.7	5.75	2	65	60	0.6	-	1.5	•	•	•	•	•	SS/Comp./Current Mode/FCCM	-40℃ ~85℃	SOT235	3000	3000
GD30DC1301SOTR-I	BUCK	4.5	18	2	110	60	0.8	250	0.8	-	•	•	•	•	ACOT	-40℃ ~85℃	SOT563	5000	5000
GD30DC1301SSTR-I	BUCK	4.5	18	2	110	60	0.8	250	0.8	-	•	•	•	•	ACOT	-40℃ ~85℃	SOT236	3000	3000
GD30DC1301SOTR-S	BUCK	4.5	18	2	110	60	0.8	250	0.8	-	•	•	•	•	ACOT	-40℃ ~85℃	SOT563	5000	5000
GD30DC1301SSTR-S	BUCK	4.5	18	2	110	60	0.8	250	0.8	-	•	•	•	•	ACOT	-40℃ ~85℃	SOT236	3000	3000
GD30DC1307SSTR-I06	BUCK	4.2	18	2	113	80	0.6	250	0.6	-	•	•	•	•	ACOT	-40℃ ~85℃	SOT236	3000	3000
GD30DC1307SSTR-I12	BUCK	4.2	18	2	113	80	0.6	250	1.2	-	•	•	•	•	ACOT	-40℃ ~85℃	SOT236	3000	3000
GD30DC1314SSTR-I06	BUCK	4.2	18	2	113	80	0.765	250	0.6	-	•	•	•	•	ACOT	-40℃ ~85℃	SOT236	3000	3000
GD30DC1300SOTR-I	BUCK	4.5	18	3	80	45	0.8	250	0.8	-	•	•	•	•	ACOT	-40℃ ~85℃	SOT563	5000	5000
GD30DC1300SSTR-I	BUCK	4.5	18	3	80	45	0.8	250	0.8	-	•	•	•	•	ACOT	-40℃ ~85℃	SOT236	3000	3000
GD30DC1300SOTR-S	BUCK	4.5	18	3	80	45	0.8	250	0.8	-	•	•	•	•	ACOT	-40℃ ~85℃	SOT563	5000	5000
GD30DC1300SSTR-S	BUCK	4.5	18	3	80	45	0.8	250	0.8	-	•	•	•	•	ACOT	-40℃ ~85℃	SOT236	3000	3000
GD30DC1318SSTR-I06	BUCK	4.5	18	3	95	60	0.6	250	0.6	-	•	•	•	•	ACOT	-40℃ ~85℃	SOT236	3000	3000
GD30DC1309ZUTR-I	BUCK	4.5	18	6	21	16	0.6	750	0.2-1.6	•	•	•	•	•	SS/Comp./Current Mode/FCCM	-40℃ ~150℃	QFN14	3000	3000
GD30DC1350SSTR-I	BUCK	4.5	25	3	50	40	0.6	175	0.5	-	•	•	•	•	ACOT	-40℃ ~85℃	SOT236	3000	3000

Part No.	Function	Supply Voltage (V)		Output Voltage (V)	Limit Current (A)	Power Mos H(mΩ)	Power Mos L (mΩ)	Reference Voltage (V)	Quiescent Current (μA)	Switching Frequency (MHz)	Protection Features			Note	Temperature Operating Range (℃)	Package	MPQ (PCS)	MOQ (PCS)
		Min	Max	Max	Max			Typ	Typ	Typ	Under Voltage	Over Current	Over Temperature					
GD30DC2300SSTR-N	BOOST	2.5	18	30	3	-	150	0.6	110	1	•	•	•	Current Mode	-20℃ ~85℃	SOT236	3000	3000
GD30DC2301SSTR-N	BOOST	2.5	18	36	2	-	150	0.2	110	1	•	•	•	Current Mode	-20℃ ~85℃	SOT236	3000	3000
GD30DC2101SSTR-I	BOOST	0.9	5.5	5.5	1.2	600	300	0.5	1	1	•	•	•	Current Mode	-40℃ ~125℃	SOT236	3000	3000
GD30DC2100SSTR-I	BOOST	0.9	5.5	5.5	1.2	600	300	0.5	1	1	•	•	•	Current Mode	-40℃ ~125℃	SOT236	3000	3000

电源管理

GD30VR 高精度基准源产品选型

Part No.	Power Supply (V)	Output Voltage (V)	Temp Drift (ppm/℃)	Initial Accuracy (%)	Current Load (mA)	Noise μVpp (V)	Temperature Operating Range (℃)	Package	MOQ (PCS)
GD30VR3100WGTR-I20	2.7~18V	2.048	3	0.05	+/-10	1.5	-40℃ ~125℃	SOP8	3000
GD30VR1100WGTR-I20	2.7~18V	2.048	8	0.1	+/-10	1.5	-40℃ ~125℃	SOP8	3000
GD30VR3100WGTR-I25	2.7~18V	2.5	3	0.05	+/-10	1.5	-40℃ ~125℃	SOP8	3000
GD30VR1100WGTR-I25	2.7~18V	2.5	8	0.1	+/-10	1.5	-40℃ ~125℃	SOP8	3000
GD30VR3100WGTR-I30	3.2~18V	3	3	0.05	+/-10	1.5	-40℃ ~105℃	SOP8	3000
GD30VR1100WGTR-I30	3.2~18V	3	8	0.1	+/-10	1.5	-40℃ ~105℃	SOP8	3000
GD30VR3100WGTR-I40	4.296~18V	4.096	3	0.05	+/-10	1.5	-40℃ ~125℃	SOP8	3000
GD30VR1100WGTR-I40	4.296~18V	4.096	8	0.1	+/-10	1.5	-40℃ ~125℃	SOP8	3000
GD30VR3100WGTR-I45	4.7~18V	4.5	3	0.05	+/-10	1.5	-40℃ ~125℃	SOP8	3000
GD30VR1100WGTR-I45	4.7~18V	4.5	8	0.1	+/-10	1.5	-40℃ ~125℃	SOP8	3000
GD30VR3100WGTR-I50	5.2~18V	5	3	0.05	+/-10	1.5	-40℃ ~125℃	SOP8	3000
GD30VR1100WGTR-I50	5.2~18V	5	8	0.1	+/-10	1.5	-40℃ ~125℃	SOP8	3000
GD30VR1100WMTR-I20	2.7~18V	2.048	8	0.1	+/-10	1.5	-40℃ ~125℃	MSOP8	3000
GD30VR1100WMTR-I25	2.7~18V	2.5	8	0.1	+/-10	1.5	-40℃ ~125℃	MSOP8	3000
GD30VR1100WMTR-I30	3.2~18V	3	8	0.1	+/-10	1.5	-40℃ ~105℃	MSOP8	3000
GD30VR1100WMTR-I40	4.296~18V	4.096	8	0.1	+/-10	1.5	-40℃ ~105℃	MSOP8	3000
GD30VR1100WMTR-I45	4.7~18V	4.5	8	0.1	+/-10	1.5	-40℃ ~125℃	MSOP8	3000
GD30VR1100WMTR-I50	5.2~18V	5	8	0.1	+/-10	1.5	-40℃ ~125℃	MSOP8	3000
GD30VR1000BSTR-I20	2.2~5.5	2.048	15	0.1	+/-10	10	-40℃ ~125℃	SOT23-3	3000
GD30VR1000BSTR-I25	2.7~5.5	2.5	15	0.1	+/-10	10	-40℃ ~125℃	SOT23-3	3000
GD30VR1000BSTR-I30	3.2~5.5	3	15	0.1	+/-10	10	-40℃ ~125℃	SOT23-3	3000
GD30VR1000BSTR-I33	3.5~5.5	3.3	15	0.1	+/-10	10	-40℃ ~125℃	SOT23-3	3000
GD30VR1000BSTR-I40	4.2~5.5	4.096	15	0.1	+/-10	10	-40℃ ~125℃	SOT23-3	3000
GD30VR1000BSTR-I50	5.2~5.5	4	15	0.1	+/-10	10	-40℃ ~125℃	SOT23-3	3000

专用芯片

GD30WS TWS 耳机产品选型

Part No.	Absolute V_{USB} (V)	Control Topology	Charging Current (A)	Load Current (A)	Charging Efficiency (%)	CV Charge Voltage (V)	Quiescent Current (μA)	LDO	Control Interface	12bit ADC	Protection Features						Temperature Operating Range (℃)	Package	MPQ (PCS)	MOQ (PCS)
	Max		Max	Max	Max						Short Circuit	Over Voltage	Under Voltage	Over Current	Over Temperature	Under Temperature				
GD30WS8805EU	20	Switch-Mode	1.2	0.6	95	4.1/4.2/4.3/4.35/4.4 @0.5%	<5	3.3V/50mA	I^2C	•	•	•	•	•	•	•	-20℃ ~85℃	QFN24	490	2940
GD30WS8815EU	20	Switch-Mode	1.5	1	95	4.1/4.2/4.3/4.35/4.4 @0.5%	<5	3.3V/80mA	I^2C	•	•	•	•	•	•	•	-20℃ ~85℃	QFN24	490	2940
GD30WS8855EU	30	Switch-Mode	1.5	1	95	4.1/4.2/4.3/4.35/4.4 @0.5%	<5	3.3V/50mA	I^2C	•	•	•	•	•	•	•	-20℃ ~85℃	QFN24	490	2940

电机驱动

GD30DR 电机驱动产品选型

Part No.	Supply Voltage (V)		Gate Driver	Power MOSFET	Gate Driver Peak Current (A)		Control Interface	PWM Frequency (kHz)	Buck Controller	LDO	Protection Features			Temperature Operating Range (℃)	Package	MPQ (PCS)	MOQ (PCS)
	Min	Max			Source	Sink		Max			Under Voltage	Over Temperature	Fault Diagnostics				
GD30DR8306KU	4.5	30	3	External	1	1.2	6xPWM	200	5V/2A	5V/40mA	•	•	•	-40℃ ~105℃	QFN32	490	2940
GD30DR8304EUTR	4.5	30	3	External	1	1.2	6xPWM	200	-	5V/40mA	•	•	•	-40℃ ~105℃	QFN24	3000	3000
GD30DR1488FPTR-K	4	18	3	External	1	1.3	6xPWM	500	-	-	•	-	-	-40℃ ~125℃	TSSOP20	4000	4000
GD30DR1488EUTR-K	4	18	3	External	1	1.3	6xPWM	500	-	-	•	-	-	-40℃ ~125℃	QFN24	5000	5000

Part No.	Supply Voltage (V)		Gate Driver	Power MOSFET	Drive Current (A)	Control Interface	PWM Frequency (kHz)	LDO	Protection Features	Temperature Junction Range (℃)	Package	MPQ (PCS)	MOQ (PCS)
	Min	Max					Max		Over Temperature				
GD30DR8413EUTR	4.5	30	-	Internal	3	3xPWM	50	5V/20mA	•	-40℃ ~125℃	QFN24	3000	3000
GD30DR3000WGTR-K	6.5	40	-	Internal	3.2	PWM	100	-	•	-40℃ ~125℃	ESOP8	4000	4000
GD30DR3001WGTR-K	4.5	40	-	Internal	6A Peak 4A Continuous	PWM	200	-	•	-40℃ ~125℃	EP-SOP8	4000	4000
GD30DR3002WGTR-K	4.5	40	-	Internal	6A Peak 4A Continuous	PWM	200	-	•	-40℃ ~125℃	EP-SOP8	4000	4000
GD30DR3003WGTR-K	4.5	40	-	Internal	6A Peak 4A Continuous	PWM	200	-	•	-40℃ ~125℃	EP-SOP8	4000	4000
GD30DR3820LPTR-K	2.5	10.8	-	Internal	1.2	PWM	200	-	•	-40℃ ~125℃	eTSSOP16	3000	3000
GD30DR3820LUTR-K	2.5	10.8	-	Internal	1.2	PWM	200	-	•	-40℃ ~125℃	QFN16	3000	3000
GD30DR3800WETR-K	0	11	-	Internal	1.8	PWM	250	-	•	-40℃ ~125℃	DFN8	3000	3000
GD30DR3800WGTR-K	0	11	-	Internal	1.8	PWM	250	-	•	-40℃ ~125℃	SOP8	3000	3000
GD30DR3801WETR-K	0	10	-	Internal	1.0	PWM	250	-	•	-40℃ ~125℃	DFN8	3000	3000

Part No.	Supply Voltage (V)		Power MOSFET	Output Peak Current (A)		Control Interface	PWM Frequency (kHz)	Core	Core Operation Frequency(kHz)	Flash (Kb)	Protection Features			Temperature Operating Range (℃)	Package	MPQ (PCS)	MOQ (PCS)
	Min	Max		Source	Sink		Max		Max		Under Voltage	Over Temperature	Fault Diagnostics				
GD30DRE518QUTR-K	4	18	External	1	1.3	6xPWM	500	Cortex-M33	180	512	•	-	-	-40℃ ~105℃	QFN88	3000	3000
GD30DRE231HUTR-J	4.5	30	Internal	-	-	3xPWM	200	Cortex-M23	72	64	-	•	-	-40℃ ~85℃	QFN40	5000	5000
GD30DRE230HUTY-J	4.5	30	External	1	1.2	6xPWM	200	Cortex-M23	72	64	•	•	•	-40℃ ~85℃	QFN40	2940	2940
GD30DRE230HUTR-J	4.5	30	External	1	1.2	6xPWM	200	Cortex-M23	72	64	•	•	•	-40℃ ~85℃	QFN40	5000	5000

电池管理

GD30BC 电池充电器IC产品选型

Part No.	Series Cells	Input Operation Voltage (V)		Control Topology	Charging Current (A)	Charging Efficiency (%)	CV Charge Voltage for Per Cell (V)	LDO	Power Path	Control Interface	Protection Features				Temperature Operating Range (℃)	Package	MPQ (PCS)	MOQ (PCS)
		Min	Max		Max	Max					Over Voltage	Under Voltage	Over Current	Battery Over/Under Temperature				
GD30BC2501LRTR	4,6	18	32	Buck	5	95	4.1/4.2/4.3/4.35@1%	3.3V/25mA	NO	I^2C	•	•	•	•	-40℃ ~85℃	QFN16	3000	3000
GD30BC2502LRTR	2,3,5	9	32	Buck	5	95	4.1/4.2/4.3/4.35@1%	3.3V/25mA	NO	I^2C	•	•	•	•	-40℃ ~85℃	QFN16	3000	3000
GD30BC2416FUTR	1	4.4	5.5	Buck(Charging)-Boost(Discharging)	1.5	97	4.1/4.2/4.3/4.35/4.4@0.5%	3.3V/50mA	YES	I^2C	•	•	•	-	-20℃ ~85℃	QFN20	3000	3000

Part No.	Absolute V_{USB} (V)	Control Topology	Charging Current (A)	Load Current (A)	CV Charge Voltage (V)	Quiescent Current (μA)	LDO	Control Interface	Protection Features						Temperature Operating Range (℃)	Package	MPQ (PCS)	MOQ (PCS)
	Max								Short Circuit	Over Voltage	Under Voltage	Over Current	Over Temperature	Under Temperature				
GD30WS8663DYTR-I	36	Linear-Mode	8~456mA (8mA/step)	0.4~3.2A (0.2A/step)	3.6~4.545 (15mV/step) @0.5%	<0.4	3.3V/50mA	I^2C	•	•	•	•	•	•	-40℃ ~125℃	WLCSP9	3000	3000
GD30BC1502NSTR-I	36	Linear-Mode	0.6	-	4.2	<1	-	-	•	•	•	•	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30BC1502NSTR-I1D	36	Linear-Mode	0.6	-	4.35	<1	-	-	•	•	•	•	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30BC1500NSTR-I	36	Linear-Mode	0.8	-	4.2	<1	-	-	•	•	•	•	•	•	-40℃ ~125℃	SOT235	3000	3000
GD30BC1501WGTR-I	36	Linear-Mode	1	-	4.2	<1	-	EN	•	•	•	•	•	•	-40℃ ~125℃	ESOP8	4000	4000
GD30BC1501WGTR-I1D	36	Linear-Mode	1	-	4.35	<1	-	EN	•	•	•	•	•	•	-40℃ ~125℃	ESOP8	4000	4000

GD30SP 电池保护器产品选型

Part No.	Input Operation Voltage (V)		MAX Output Current（A）	Over Voltage Protection (V)	Charging Efficiency (%)	Internal Switch ON Resistance (mΩ)	Quiescent Current (μA)	Protection Features			Temperature Operating Range (℃)	Package	MPQ (PCS)	MOQ (PCS)
	Min	Max		Min	Max			Over Current	Over Current	Over Temperature				
GD30SP2200WFTR	2.5	30	3	4	15	50	100	•	•	•	-40℃ ~85℃	DFN8L	3000	3000
GD30SP2201WFTR-I	2.5	30	1.5	-	6	85	110	•	•	•	-40℃ ~85℃	DFN8L	3000	3000

信号链

GD30AD 数据转换器产品选型

Part No.	Analog Supply (V)	Digital Supply (V)	Channel	Resolution (bit)	Max Smpling Rate (KSPS)	Input Range (V)	SNR (dB)	THD (dB)	INL (LSB)	Power (MW)	Interface Type	Temperature Operating Range (°C)	Package	MOQ (PCS)
GD30AD3380RWTR-I05	4.5~5.5	1.71~3.6	8	16	500	+/-12.5V, +/-10V +/-5V, +/-2.5V	91	-105	+/-1	53	SPI / Parallel	-40°C ~125°C	LQFP64	1500
GD30AD3380RWTR-I10	4.5~5.5	1.71~3.6	8	16	1000	+/-12.5V, +/-10V +/-5V, +/-2.5V	91	-105	+/-1	53	SPI / Parallel	-40°C ~125°C	LQFP64	1500
GD30AD33G0VWTR-I10	4.5~5.5	2.3~3.6	16	16	1000	+/-10V +/-5V, +/-2.5V	90.5	-102	+/-1	160	SPI / Parallel	-40°C ~125°C	LQFP80	1000
GD30AD33G1VWTR-I10	4.5~5.5	2.3~3.6	16	16	1000	+/-10V +/-5V, +/-2.5V	90.5	-102	+/-1	160	SPI / Parallel SPI CS full function	-40°C ~125°C	LQFP80	1000
GD30AD3382FUTR-I02	4.5~5.5	1.8~5.8	8	16	250	SE: 0~4.096 Diff: +/-2.048	90.5	-110	+/-0.5	12.5	SPI	-40°C ~105°C	QFN20	3000
GD30AD3382FUTR-I05	4.5~5.5	1.8~5.8	8	16	500	SE: 0~4.096 Diff: +/-2.048	90.5	-110	+/-0.5	26	SPI	-40°C ~105°C	QFN20	3000
GD30AD3340AMTR-I	2.2~5.5	NA	4 SE, 2 Diff	16	1	+/-0.064~+/-6.144	NA	NA	+/-8ppm/FS	0.9	I^2C	-40°C ~125°C	MSOP10	3000
GD30AD3344AMTR-I	2.2~5.5	NA	4 SE, 2 Diff	16	1	+/-0.064~+/-6.144	NA	NA	+/-8ppm/FS	0.9	SPI	-40°C ~125°C	MSOP10	3000
GD30AD3640AMTR-I	2.7~5.5	NA	4 SE, 2 Diff	24	1	+/-0.064~+/-6.144	NA	NA	+/-8ppm/FS	0.9	I^2C	-40°C ~125°C	MSOP10	3000
GD30AD3641AMTR-I	2.7~5.5	NA	4 SE, 2 Diff	24	1	+/-0.064~+/-6.144	NA	NA	+/-8ppm/FS	0.9	SPI	-40°C ~125°C	MSOP10	3000

GD30AP 运算放大器产品选型

Part No.	Supply Voltage Range Vs (V)	Channel	Gain BW (MHz)	Slew Rate (V/μs)	Power Consumption, mA/Ch	Input Offset, Max, mV	Input Offset Drift, Max, μV/degC	Noise, 0.1Hz~10Hz (μV-pp)	Noise Floor @1kHz (nV/sqrtHz)	Input Bias (pA) Typical	PSRR (dB) Typical	VCM (V)	CMRR (dB) Typical	Open Loop Gain, Avol (dB) Typical	RRI	RRO	Temperature Operating Range (°C)	Package	MOQ (PCS)
GD30AP321NNSTR-I01	1.8~5.5 +/-0.9 ~ +/-2.75	1	1.2	1	0.085	+/-3	3.5	6	30	5	110	Vsm-0.1~Vsp+0.1	83	105	•	•	-40°C ~125°C	SOT23-5L	3000
GD30AP321NNDTR-I01	1.8~5.5 +/-0.9 ~ +/-2.75	1	1.2	1	0.085	+/-3	3.5	6	30	5	110	Vsm-0.1~Vsp+0.1	83	105	•	•	-40°C ~125°C	SC70-5L	3000
GD30AP358NWLTR-I02	1.8~5.5 +/-0.9 ~ +/-2.75	2	1.2	1	0.085	+/-3	3.5	6	30	5	110	Vsm-0.1~Vsp+0.1	83	105	•	•	-40°C ~125°C	SOIC-8L	4000
GD30AP358NWETR-I02	1.8~5.5 +/-0.9 ~ +/-2.75	2	1.2	1	0.085	+/-3	3.5	6	30	5	110	Vsm-0.1~Vsp+0.1	83	105	•	•	-40°C ~125°C	DFN2x2-8L	3000
GD30AP358NWMTR-I02	1.8~5.5 +/-0.9 ~ +/-2.75	2	1.2	1	0.085	+/-3	3.5	6	30	5	110	Vsm-0.1~Vsp+0.1	83	105	•	•	-40°C ~125°C	MSOP-8L	3000
GD30AP324NZLTR-I04	1.8~5.5 +/-0.9 ~ +/-2.75	4	1.2	1	0.085	+/-3	3.5	6	30	5	110	Vsm-0.1~Vsp+0.1	83	105	•	•	-40°C ~125°C	SOIC-14L	2500
GD30AP324NZPTR-I04	1.8~5.5 +/-0.9 ~ +/-2.75	4	1.2	1	0.085	+/-3	3.5	6	30	5	110	Vsm-0.1~Vsp+0.1	83	105	•	•	-40°C ~125°C	TSSOP-14L	3000
GD30AP324NLUTR-I04	1.8~5.5 +/-0.9 ~ +/-2.75	4	1.2	1	0.085	+/-3	3.5	6	30	5	110	Vsm-0.1~Vsp+0.1	83	105	•	•	-40°C ~125°C	QFN3x3-16L	3000
GD30AP721ANSTR-I01	1.8~5.5 +/-0.9 ~ +/-2.75	1	11	11.5	0.78	+/-3	+/-3	3.7	8	1	110	Vsm-0.1~Vsp+0.1	84	105	•	•	-40°C ~125°C	SOT23-5L	3000
GD30AP721AWLTR-I01	1.8~5.5 +/-0.9 ~ +/-2.75	1	11	11.5	0.78	+/-3	+/-3	3.7	8	1	110	Vsm-0.1~Vsp+0.1	84	105	•	•	-40°C ~125°C	SOIC-8L	4000

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GD30AP 运算放大器产品选型

Part No.	Supply Voltage Range Vs (V)	Channel	Gain BW (MHz)	Slew Rate (V/μs)	Power Consumption, mA/Ch	Input Offset, Max, mV	Input Offset Drift, Max, μV/degC	Noise, 0.1Hz~10Hz (μV-pp)	Noise Floor @1kHz (nV/sqrtHz)	Input Bias (pA) Typical	PSRR (dB) Typical	VCM (V)	CMRR (dB) Typical	Open Loop Gain, Avol (dB) Typical	RRI	RRO	Temperature Operating Range (°C)	Package	MOQ (PCS)
GD30AP723ANSTR-I01	1.8~5.5 +/-0.9 ~ +/-2.75	1	11	11.5	0.78	+/-3	+/-3	3.7	8	1	110	Vsm-0.1~Vsp+0.1	84	105	•	•	-40℃ ~125℃	SOT23-5L	3000
GD30AP723ANDTR-I01	1.8~5.5 +/-0.9 ~ +/-2.75	1	11	11.5	0.78	+/-3	+/-3	3.7	8	1	110	Vsm-0.1~Vsp+0.1	84	105	•	•	-40℃ ~125℃	SC70-5L	3000
GD30AP722AWETR-I02	1.8~5.5 +/-0.9 ~ +/-2.75	2	11	11.5	0.78	+/-3	+/-3	3.7	8	1	110	Vsm-0.1~Vsp+0.1	84	105	•	•	-40℃ ~125℃	DFN2x2-8L	3000
GD30AP722AWLTR-I02	1.8~5.5 +/-0.9 ~ +/-2.75	2	11	11.5	0.78	+/-3	+/-3	3.7	8	1	110	Vsm-0.1~Vsp+0.1	84	105	•	•	-40℃ ~125℃	SOIC-8L	4000
GD30AP722AWMTR-I02	1.8~5.5 +/-0.9 ~ +/-2.75	2	11	11.5	0.78	+/-3	+/-3	3.7	8	1	110	Vsm-0.1~Vsp+0.1	84	105	•	•	-40℃ ~125℃	MSOP-8L	3000
GD30AP722AWSTR-I02	1.8~5.5 +/-0.9 ~ +/-2.75	2	11	11.5	0.78	+/-3	+/-3	3.7	8	1	110	Vsm-0.1~Vsp+0.1	84	105	•	•	-40℃ ~125℃	SOT23-8L	3000
GD30AP722AWPTR-I02	1.8~5.5 +/-0.9 ~ +/-2.75	2	11	11.5	0.78	+/-3	+/-3	3.7	8	1	110	Vsm-0.1~Vsp+0.1	84	105	•	•	-40℃ ~125℃	TSSOP-8L	4000
GD30AP724AZLTR-I04	1.8~5.5 +/-0.9 ~ +/-2.75	4	11	11.5	0.78	+/-3	+/-3	3.7	8	1	110	Vsm-0.1~Vsp+0.1	84	105	•	•	-40℃ ~125℃	SOIC-14L	2500
GD30AP724AZPTR-I04	1.8~5.5 +/-0.9 ~ +/-2.75	4	11	11.5	0.78	+/-3	+/-3	3.7	8	1	110	Vsm-0.1~Vsp+0.1	84	105	•	•	-40℃ ~125℃	TSSOP-14L	3000
GD30AP8551NSTR-I01	1.8~5.5	1	1.5	1.2	0.125	+/-0.008	+/-0.04	0.45	19	+/-70	126	Vsm-0.1~Vsp+0.1	130	132	•	•	-40℃ ~125℃	SOT23-5L	3000
GD30AP8551WLTR-I01	1.8~5.5	1	1.5	1.2	0.125	+/-0.008	+/-0.04	0.45	19	+/-70	126	Vsm-0.1~Vsp+0.1	130	132	•	•	-40℃ ~125℃	SOIC-8L	4000
GD30AP8552WETR-I02	1.8~5.5	2	1.5	1.2	0.125	+/-0.008	+/-0.04	0.45	19	+/-70	126	Vsm-0.1~Vsp+0.1	130	132	•	•	-40℃ ~125℃	DFN2x2-8L	3000
GD30AP8552WLTR-I02	1.8~5.5	2	1.5	1.2	0.125	+/-0.008	+/-0.04	0.45	19	+/-70	126	Vsm-0.1~Vsp+0.1	130	132	•	•	-40℃ ~125℃	SOIC-8L	4000
GD30AP8552WMTR-I02	1.8~5.5	2	1.5	1.2	0.125	+/-0.008	+/-0.04	0.45	19	+/-70	126	Vsm-0.1~Vsp+0.1	130	132	•	•	-40℃ ~125℃	MSOP-8L	3000
GD30AP8553NSTR-I01	1.8~5.5	1	1.5	1.2	0.125	+/-0.008	+/-0.04	0.45	19	+/-70	126	Vsm-0.1~Vsp+0.1	130	132	•	•	-40℃ ~125℃	SOT23-5L	3000
GD30AP8553NDTR-I01	1.8~5.5	1	1.5	1.2	0.125	+/-0.008	+/-0.04	0.45	19	+/-70	126	Vsm-0.1~Vsp+0.1	130	132	•	•	-40℃ ~125℃	SC70-5L	3000
GD30AP8631NSTR-I01	2.3~5.5 +/-1.15 ~ +/-2.75	1	9	8.5	0.7	+/-3.5	+/-2	4.2	13	1	106	Vsm-0.1~Vsp+0.1	82	102	•	•	-40℃ ~125℃	SOT23-5L	3000
GD30AP8632WLTR-I02	2.3~5.5 +/-1.15 ~ +/-2.75	2	9	8.5	0.7	+/-3.5	+/-2	4.2	13	1	106	Vsm-0.1~Vsp+0.1	82	102	•	•	-40℃ ~125℃	SOIC-8L	4000
GD30AP8632WETR-I02	2.3~5.5 +/-1.15 ~ +/-2.75	2	9	8.5	0.7	+/-3.5	+/-2	4.2	13	1	106	Vsm-0.1~Vsp+0.1	82	102	•	•	-40℃ ~125℃	DFN2x2-8L	3000
GD30AP8632WMTR-I02	2.3~5.5 +/-1.15 ~ +/-2.75	2	9	8.5	0.7	+/-3.5	+/-2	4.2	13	1	106	Vsm-0.1~Vsp+0.1	82	102	•	•	-40℃ ~125℃	MSOP-8L	3000
GD30AP8634ZLTR-I04	2.3~5.5 +/-1.15 ~ +/-2.75	4	9	8.5	0.7	+/-3.5	+/-2	4.2	13	1	106	Vsm-0.1~Vsp+0.1	82	102	•	•	-40℃ ~125℃	SOIC-14L	2000

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GD30CP 比较器产品选型

Part No.	Supply Voltage Range Vs (V)		Channel	Output Type	Input Hysteresis (mV)	Propogation Delay (ns) 100mV Overdrive, High to Low	Propogation Delay (ns) 100mV Overdrive, Low to High	Power Consumption, mA/Ch	Input Offset, Max, mV	Input Offset Drift, Max, μV/degC	VCM (V)		CMRR (dB) Vs-5.5V	Temperature Operating Range (°C)	Package	MOQ (PCS)
	Min	Max									Min	Max				
GD30CP331ANSTR-I	1.8	5.5	1	Open drain	3	100	150	0.06	+/-5	+/-2	Vsm-0.1	Vsp+0.1	58	-40°C ~85°C	SOT23-5L	3000
GD30CP331ANDTR-I	1.8	5.5	1	Open drain	3	100	150	0.06	+/-5	+/-2	Vsm-0.1	Vsp+0.1	58	-40°C ~85°C	SC70-5L	3000
GD30CP331ANSTR-S	1.8	5.5	1	Open drain	3	100	150	0.06	+/-5	+/-2	Vsm-0.1	Vsp+0.1	58	-40°C ~85°C	SOT23-5L	3000
GD30CP393AWLTR-I	1.8	5.5	2	Open drain	3	100	150	0.06	+/-5	+/-2	Vsm-0.1	Vsp+0.1	58	-40°C ~85°C	SOIC-8L	4000
GD30CP393AWMTR-I	1.8	5.5	2	Open drain	3	100	150	0.06	+/-5	+/-2	Vsm-0.1	Vsp+0.1	58	-40°C ~85°C	MSOP-8L	3000
GD30CP393AWPTR-I	1.8	5.5	2	Open drain	3	100	150	0.06	+/-5	+/-2	Vsm-0.1	Vsp+0.1	58	-40°C ~85°C	TSSOP-8L	3000
GD30CP393AWETR-I	1.8	5.5	2	Open drain	3	100	150	0.06	+/-5	+/-2	Vsm-0.1	Vsp+0.1	58	-40°C ~85°C	DFN2x2-8L	3000
GD30CP8721NSTR-I	1.7	5.5	1	Push pull	3	66	78	0.046	+/-4	+/-1	Vsm-0.1	Vsp+0.1	55	-40°C ~85°C	SOT23-5L	3000
GD30CP8721NDTR-I	1.7	5.5	1	Push pull	3	66	78	0.046	+/-4	+/-1	Vsm-0.1	Vsp+0.1	55	-40°C ~85°C	SC70-5L	3000
GD30CP8722WETR-I	1.7	5.5	2	Push pull	3	66	78	0.046	+/-4	+/-1	Vsm-0.1	Vsp+0.1	55	-40°C ~85°C	DFN2x2-8L	3000
GD30CP8722WLTR-I	1.7	5.5	2	Push pull	3	66	78	0.046	+/-4	+/-1	Vsm-0.1	Vsp+0.1	55	-40°C ~85°C	SOIC-8L	4000
GD30CP8722WMTR-I	1.7	5.5	2	Push pull	3	66	78	0.046	+/-4	+/-1	Vsm-0.1	Vsp+0.1	55	-40°C ~85°C	MSOP-8	3000
GD30CP8723NSTR-I	1.7	5.5	1	Push pull	3	66	78	0.046	+/-4	+/-1	Vsm-0.1	Vsp+0.1	55	-40°C ~85°C	SOT23-5L	3000
GD30CP8723NSTR-S	1.7	5.5	1	Push pull	3	66	78	0.046	+/-4	+/-1	Vsm-0.1	Vsp+0.1	55	-40°C ~85°C	SOT23-5L	3000

GD30TS 温度传感器产品选型

Part No.	Type	Power Supply (V)	No. of Local/ Remote Channel	Accuracy, Max Error (°C)	Interface	Temperature Operating Range (°C)	Address	Package	MOQ (PCS)
GD30TS002TWYTR-I	T-Sensor	2.2~5.5	1 * Local	+/-0.1@35~45°C +/-0.3@0~90°C	I^2C	-40°C ~125°C	ADDR pin selected	WLCSP-8	3000
GD30TS003TWETR-I	T-Sensor	2.4~5.5	1 * Local	+/-0.1@35~45°C +/-0.3@0~90°C	I^2C	-40°C ~125°C	ADDR pin selected	DFN-8	2000
GD30TS004TSET7-I	T-Sensor	1.6~5.5	1 * Local	+/-0.1@35~45°C +/-0.3@0~90°C	I^2C	-40°C ~125°C	Fixed	DFN-6	2500
GD30TS004TSETD-I	T-Sensor	1.6~5.5	1 * Local	+/-0.1@35~45°C +/-0.3@0~90°C	I^2C	-40°C ~125°C	Fixed	DFN-6	10000
GD30TS310TJVTY-I	T-Sensor	1.6~5.5	1 * Local	+/-0.1@30~45°C +/-0.3@-10~60°C +/-0.5@-40~125°C	I^2C	-55°C ~150°C	x=0~7	MCLGA-4	490
GD30TS310TJYTR-I	T-Sensor	1.6~5.5	1 * Local	+/-0.1@30~45°C +/-0.3@-10~60°C +/-0.5@-40~125°C	I^2C	-55°C ~150°C	x=0~7	WLCSP-4	3000
GD30TS310TSETR-I	T-Sensor	1.6~5.5	1 * Local	+/-0.1@30~45°C +/-0.3@-10~60°C +/-0.5@-40~125°C	I^2C	-55°C ~150°C	x=0~7	DFN-6	4000

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GD30TS 温度传感器产品选型

Part No.	Type	Power Supply (V)	No. of Local/ Remote Channel	Accuracy, Max Error (℃)	Interface	Temperature Operating Range (℃)	Address	Package	MOQ (PCS)
GD30TS100NSSTR-I	T-Sensor	2.7~5.5	1 * Local	+/-0.5@0~65℃ +/-1@-40~125℃	I^2C	-55℃ ~125℃	ADD0 ADD1 pin seleccted	SOT23-6	3000
GD30TS101NSSTR-I	T-Sensor	2.7~5.5	1 * Local	+/-0.5@0~65℃ +/-1@-40~125℃	I^2C	-55℃ ~125℃	ADD0 pin seleccted	SOT23-6	3000
GD30TS075CWGTR-I	T-Sensor	1.4~5.5	1 * Local	+/-0.6@-25~55℃ +/-1@-55~125℃	I^2C	-55℃ ~125℃	A0,A1,A2 pin selected	SOP-8	4000
GD30TS075CWMTR-I	T-Sensor	1.4~5.5	1 * Local	+/-0.6@-25~55℃ +/-1@-55~125℃	I^2C	-55℃ ~125℃	A0,A1,A3 pin selected	MSOP-8	4000
GD30TS075CWETR-I	T-Sensor	1.4~5.5	1 * Local	+/-0.6@-25~55℃ +/-1@-55~125℃	I^2C	-55℃ ~125℃	A0,A1,A4 pin selected	DFN-8	4000
GD30TS112NSOTR-I	T-Sensor	1.4~5.5	1 * Local	+/-0.5@0~65℃ +/-1@-40~125℃	I^2C	-55℃ ~150℃	ADD0 pin selected	SOT563-6	4000
GD30TS112NSETR-I	T-Sensor	1.4~5.5	1 * Local	+/-0.5@0~65℃ +/-1@-40~125℃	I^2C	-55℃ ~150℃	ADD0 pin selected	DFNWB-6	3000
GD30TS103NJYTR-I	T-Sensor	1.4~2.8	1 * Local	+/-2@-10~100℃ +/-3@-40~125℃	I^2C	-40℃ ~125℃	x=A~H	WLCSP-4	4000
GD30TS103SJYTR-I	T-Sensor	1.4~3.6	1 * Local	+/-2@-10~100℃ +/-3@-40~125℃	I^2C	-40℃ ~125℃	x=A~P	WLCSP-4	4000
GD30TS139NSYTR-I	T-Sensor	VDD: 1.7~1.98 VIO: 0.95~1.05	1 * Local	1@75~95℃ 3@-40~125℃	I^2C, I^3C	-40℃ ~125℃	SA pin selected	WLCSP-9	4000
GD30TS304TLUTR-I	T-Sensor	VDD: 2.7~5.5 VIO: 1.6~5.5	1 * Local 4 * remote	Local: +/-1@-40~125℃ Remote: +/-1.5@-40~125℃	I^2C	-40℃ ~125℃	ADD pin selected	QFN-16	3000
GD30TS308TLUTR-I	T-Sensor	VDD: 2.7~5.5 VIO: 1.6~5.5	1 * Local 8 * remote	Local: +/-1@-40~125℃ Remote: +/-1.5@-40~125℃	I^2C	-40℃ ~125℃	ADD pin selected	VQFN-16	3000
GD30TS451NWJTR-I	T-Sensor	1.7~5.5	1 * Local 1 * remote	Local: +/-2@-40~125℃ Remote: +/-4@-50~150℃	I^2C	-55℃ ~150℃	Fixed	WSON-8	4000
GD30TS110TJYTR-I	T-Sensor	1.6~5.5	1 * Local	+/-0.1@30~45℃ +/-0.5@-40~125℃	Single	-40℃ ~125℃	NA	WLCSP-4	3000
GD30TS110TJVTY-I	T-Sensor	1.6~5.5	1 * Local	+/-0.1@30~45℃ +/-0.5@-40~125℃	Single	-40℃ ~125℃	NA	MCLGA-4	490
GD30TS110TSETR-I	T-Sensor	1.6~5.5	1 * Local	+/-0.1@30~45℃ +/-0.5@-40~125℃	Single	-40℃ ~125℃	NA	DFN-6	4000
GD30TS110TBNBU-I	T-Sensor	1.6~5.5	1 * Local	+/-0.1@30~45℃ +/-0.5@-40~125℃	Single	-40℃ ~125℃	NA	TO-92S	2000
GD30TS0011UETR-I	T-Sensor	1.4~5.5	1 * Local	+/-0.6@-25~55℃ +/-1@-40~125℃	Pulse	-55℃ ~150℃	NA	DFN-2	4000
GD30TS0011BNBU-I	T-Sensor	1.4~5.5	1 * Local	+/-0.6@-25~55℃ +/-1@-40~125℃	Pulse	-55℃ ~150℃	NA	TO-92S	2000
GD30TS0011UNBU-I	T-Sensor	1.4~5.5	1 * Local	+/-0.6@-25~55℃ +/-1@-40~125℃	Pulse	-55℃ ~150℃	NA	TO-92S-2	2000
GD30TS084TNSTR-I	T-Sensor	2.5~5.5	1 * Local	+/-2.7@-50~125℃	Analog output	-55℃ ~125℃	NA	SOT23-5	3000
GD30TS084TB9BU-I	T-Sensor	2.5~5.5	1 * Local	+/-2.7@-50~125℃	Analog output	-55℃ ~125℃	NA	TO-92	2000
GD30TS084TBNBU-I	T-Sensor	2.5~5.5	1 * Local	+/-2.7@-50~125℃	Analog output	-55℃ ~125℃	NA	TO-92S	2000

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GD30TS 温度传感器产品选型

Part No.	Type	Power Supply (V)	No. of Local/ Remote Channel	Accuracy, Max Error (℃)	Interface	Temperature Operating Range (℃)	Address	Package	MOQ (PCS)
GD30TS085TNSTR-I	T-Sensor	2.5~5.5	1 * Local	+/-2.7@-50~125℃	Analog output	-55℃ ~125℃	NA	SOT23-5	3000
GD30TS085TB9BU-I	T-Sensor	2.5~5.5	1 * Local	+/-2.7@-50~125℃	Analog output	-55℃ ~125℃	NA	TO-92	2000
GD30TS085TBNBU-I	T-Sensor	2.5~5.5	1 * Local	+/-2.7@-50~125℃	Analog output	-55℃ ~125℃	NA	TO-92S	2000
GD30TS086TNSTR-I	T-Sensor	2.5~5.5	1 * Local	+/-2.7@-50~125℃	Analog output	-55℃ ~125℃	NA	SOT23-5	3000
GD30TS086TB9BU-I	T-Sensor	2.5~5.5	1 * Local	+/-2.7@-50~125℃	Analog output	-55℃ ~125℃	NA	TO-92	2000
GD30TS086TBNBU-I	T-Sensor	2.5~5.5	1 * Local	+/-2.7@-50~125℃	Analog output	-55℃ ~125℃	NA	TO-92S	2000
GD30TS087TNSTR-I	T-Sensor	2.5~5.5	1 * Local	+/-2.7@-50~125℃	Analog output	-55℃ ~125℃	NA	SOT23-5	3000
GD30TS087TB9BU-I	T-Sensor	2.5~5.5	1 * Local	+/-2.7@-50~125℃	Analog output	-55℃ ~125℃	NA	TO-92	2000
GD30TS087TBNBU-I	T-Sensor	2.5~5.5	1 * Local	+/-2.7@-50~125℃	Analog output	-55℃ ~125℃	NA	TO-92S	2000
GD30TS036NNSTR-I	T-Sensor	2.7~5.5	1 * Local	+/-3@-40~125℃	Analog output	-40℃ ~125℃	NA	SOT23-5	3000
GD30TS036NBSTR-I	T-Sensor	2.7~5.5	1 * Local	+/-3@-40~125℃	Analog output	-40℃ ~125℃	NA	SOT23-3	3000
GD30TS036NWGTR-I	T-Sensor	2.7~5.5	1 * Local	+/-3@-40~125℃	Analog output	-40℃ ~125℃	NA	SOIC-8	4000
GD30TS036NB9BU-I	T-Sensor	2.7~5.5	1 * Local	+/-3@-40~125℃	Analog output	-40℃ ~125℃	NA	TO-92	2000
GD30TS708NNSTR-I	T-switch	2.7~5.5	1 * Local	+/-3@-60~100℃	NA	0℃ ~125℃	NA	SOT23-5	3000
GD30TS708NSETR-I	T-switch	2.7~5.5	1 * Local	+/-3@-60~100℃	NA	0℃ ~125℃	NA	DFN-6	4000
GD30TS709NNSTR-I	T-switch	2.7~5.5	1 * Local	+/-3@-60~100℃	NA	0℃ ~125℃	NA	SOT23-5	3000
GD30TS709NSETR-I	T-switch	2.7~5.5	1 * Local	+/-3@-60~100℃	NA	0℃ ~125℃	NA	DFN-6	4000
GD30TSHT30WETR-I	T-Sensor H-Seneor	2.2~5.5	1 * Local T-Sensor 1 * Local H-Sensor	T: +/-0.5@-40~90℃ H: +/-3%@10%~90%RH	I^2C	-40℃ ~130℃	ADDR pin selected	DFN-8	2000
GD30TSHT30WETC-I	T-Sensor H-Seneor	2.2~5.5	1 * Local T-Sensor 1 * Local H-Sensor	T: +/-0.5@-40~90℃ H: +/-3%@10%~90%RH	I^2C	-40℃ ~130℃	ADDR pin selected	DFN-8	2000
GD30TSHT30WETF-I	T-Sensor H-Seneor	2.2~5.5	1 * Local T-Sensor 1 * Local H-Sensor	T: +/-0.5@-40~90℃ H: +/-3%@10%~90%RH	I^2C	-40℃ ~130℃	ADDR pin selected	DFN-8	2000
GD30TSHTC3WETR-I	T-Sensor H-Seneor	1.6~5.5	1 * Local T-Sensor 1 * Local H-Sensor	T: +/-0.3@0~60℃ H: +/-3%@20%~80%RH	I^2C	-40℃ ~130℃	Fixed	DFN-6	2000
GD30TSHTC3WETC-I	T-Sensor H-Seneor	1.6~5.5	1 * Local T-Sensor 1 * Local H-Sensor	T: +/-0.3@0~60℃ H: +/-3%@20%~80%RH	I^2C	-40℃ ~130℃	Fixed	DFN-6	2000
GD30TSHTC3WETF-I	T-Sensor H-Seneor	1.6~5.5	1 * Local T-Sensor 1 * Local H-Sensor	T: +/-0.3@0~60℃ H: +/-3%@20%~80%RH	I^2C	-40℃ ~130℃	Fixed	DFN-6	2000

电容触控芯片

电容触控芯片特性

- 极强的抗RF，LCD和电源干扰能力
- 同时探测多达10个触摸点
- 面板厚度：可支持最厚达2.5mm玻璃盖板，可支持最厚达1.2mm塑料盖板
- I^2C兼容从属模式，400KHz
- I/O接口兼容1.8/3.3 V

电容触控芯片选型

Part No.	Voltage(V)	Channels	Communication	Touch Points	Screen Size(Inch)	Package	Package Size(mm)
GSM3765	2.7~3.6V	24TX/12RX	I^2C/SPI/HID over I^2C	5~10 Point	3~7	QFN48	6x6x0.55
GSM3766	2.7~3.6V	26TX/14RX	I^2C/SPI/HID over I^2C	5~10 Point	7~10.1	QFN52	6x6x0.55
GSL3775	2.7~3.6V	24TX/12RX	I^2C/SPI	5~10 Point	3~7	QFN48	6x6x0.55
GSL3776	2.7~3.6V	26TX/14RX	I^2C/SPI	5~10 Point	7~10.1	QFN52	6x6x0.55
GSL1680	2.6~3.3V	16TX/10RX	I^2C	5~10 Point	7	QFN40	5x5x0.8
GSL1686	2.6~3.3V	16TX/10RX	I^2C	5~10 Point	7	QFN40	5x5x0.8
GSL1691	2.6~3.3V	18TX/12RX	I^2C	5~10 Point	3~7	QFN40	5x5x0.8
GSL2681	2.6~3.3V	23TX/12RX	I^2C	5~10 Point	3~8	QFN48	6x6x0.8
GSL3670	2.6~3.3V	26TX/14RX	I^2C	5~10 Point	7~10.1	QFN52	6x6x0.8
GSL3676	2.6~3.3V	28TX/18RX	I^2C	5~10 Point	9~10.1	QFN56	7x7x0.8
GSL3680	2.6~3.3V	31TX/20RX	I^2C	5~10 Point	9~10.1	QFN68	8x8x0.8
GSL3692	2.6~3.3V	32TX/24RX	I^2C	5~10 Point	9.7~13.5	QFN68	8x8x0.8
GSL5680	2.6~3.3V	42TX/30RX	I^2C	5~10 Point	9.7~15.6	QFN88	10x10x0.8
GSL915	2.6~3.3V	26TX/14RX	I^2C	5~10 Point	7~10.1	QFN52	6x6x0.8
GSL2338	2.6~3.3V	40RX	I^2C	2 Point	5.5	QFN48	5x5x0.5

指纹传感器

电容指纹传感器

电容指纹传感器特性

- 支持各种尺寸的圆形/方形/长条形等
- 支持放置在智能手机、平板电脑、笔记本电脑正面/背面/侧边等不同位置
- 支持不同表面处理工艺，如哑光/高光/陶瓷盖板/玻璃盖板等
- 高灵敏度设计，高信噪比设计，可获取高清晰度的指纹图像
- 图像是8bit精度，256阶灰阶
- 支持标准SPI接口
- 图像分辨率高达508DPI
- 自适应校准：可根据不同指纹自动调整传感器配置
- 适配模式/特征点多种识别算法
- 无需金属环即可获得高清晰度的指纹图像
- FRR<2% @ FAR 1/50000
- 电源电压（AVDD）：2.8V~3.6V
- 输入/输出端口电压（VDDIO）：1.8V~AVDD
- 功耗：

Image scan mode（扫描帧率>20 F/s 或自定义）：8.5mA（可配置）
Sleep：100μA (典型值)
Deep sleep mode：30~100μA

- ESD性能：

空气放电：±15.0 kV
接触放电：±8.0 kV

- Latch-up性能：±400.0mA

电容指纹传感器产品选型

Part No.	Type	Typical Application	Size(mm)	Sensing Size(mm)	Pixel Array
GSL6157	LGA	Mobile/Tablet/PC	14.3x2.4~15.5x3.6	8x1.8	160x36
GSL6159	LGA	Mobile/Tablet/PC	13.5x2.1~14.7x3.3	8x1.6	160x32
GSL6192	LGA	Mobile/Tablet	13.5x1.8~15.5x2.8	7.8x1.3	180x30
GSL6193	LGA	Mobile/Tablet	12.2x2.1~14.3x2.4	5.9x1.6	118x32
GSL6195	LGA	Mobile/Tablet	12.2x1.8~13.5x2.1	5.9x13	118x26
GSL6135	LGA	Mobile/IoT	8x8~10.5x10.5 / ϕ8.9~ϕ10.5	3.2x3.2	64x64
GSL6182GS1	LGA	Smart door lock	12.5x12.5~15x15 / ϕ12.5~ϕ15	6.6x5.7	128x112
GSL6186C	LGA	PC/IoT	10.5x10.5~12x12 / ϕ10.5~ϕ12	4.0x3.2	80x64
GSL6150	LGA	PC/IoT	8.5x4~12x12 / ϕ8.9~ϕ12	4.0x3.2	80x64
GDM50	Module	IoT	15.6x15.0 / ϕ16.9	4.0x3.2	80x64
GDM82	Module	IoT	ϕ21	8x8	160x160

光学指纹传感器

光学指纹传感器特性

- 屏下指纹识别，支持OLED软屏和硬屏
- FRR≤1.5% @ FAR≤1/50,000
- Enroll times≤12次
- 360度均可识别
- 定制化像素电路及工艺设计，以应用于低光照屏下指纹
- 领先的单芯片架构
- 定制化镜头设计与定制像素搭配，获取高清晰度指纹图像
- 支持无Flash

光学指纹传感器产品选型

Part No.	Type	Finger Touch Size(mm)	Typical Application	Sensing Size(mm)	Pixel Array
GSL7001A	KGD	6.0x6.0	Mobile/IoT	2.0x2.0	250x250
GSL7002	KGD	7.5x6.8	Mobile	1.5x1.35	200x180
GSL7003	KGD	7.5x6.8	Mobile	1.5x1.35	200x180
GDM72	Module	7.5x6.8	IoT	1.5x1.35	200x180

气压传感器

气压传感器特性

- 基于MEMS电阻式压力传感架构
- 涵盖普通型与防水性产品应用
- 支持10atm防水等级
- 支持300hPa~1250hPa检测量程
- 绝对精度±0.5hPa，相对精度±0.06hPa
- 超低功耗

气压传感器产品选型

Part No.	Application	Power Supply	Operation Ranges	ADC	Interface	Absolute Pressure Accuracy	Sample Rate	Package Size(mm)
GDY1121	Digital Barometric Pressure Sensor	1.8~3.3V	300~1250hPa	24-bit	I^2C/SPI	±0.5hPa(Typ)	1Hz ~250Hz	2x2x0.85
GDY1122	Digital Waterproof Barometric Pressure Sensor(10atm)	1.8~3.3V	300~1250hPa	24-bit	I^2C/SPI	±0.5hPa(Typ)	1Hz ~250Hz	2.7x2.7x1.7
GDY1124	Digital Waterproof Barometric Pressure Sensor(5atm)	1.8~3.3V	300~1100 hPa	24-bit	I^2C/SPI	±0.5hPa(Typ)	1Hz ~250Hz	2.7x2.7x1.7

DDR3L

DDR3L 特性

存储容量
- 1Gb/2Gb/4Gb/8Gb

数据接口
- x8/x16 可选

数据速率
- 最高可达 2133Mbps

温度范围
- 0℃~95℃ /-40℃~95℃

应用领域
- 网络通信、安防监控、机顶盒、智慧家庭、工业、车载影音等诸多领域

覆盖设计、流片、封测、验证的全流程

DDR3L 商规产品选型

Part No.	Density	Organization	Speed	Voltage	Operating Temp.	Package
GDP0BFLM-CB	1Gb	x16	1866Mbps	1.35/1.5V	0℃ ~95℃	96b FBGA
GDP1BFLA-CB	2Gb	x16	1866Mbps	1.35/1.5V	0℃ ~95℃	96b FBGA
GDP1BFLA-CA	2Gb	x16	2133Mbps	1.35/1.5V	0℃ ~95℃	96b FBGA
GDP2A8LM-CB	4Gb	x8	1866Mbps	1.35/1.5V	0℃ ~95℃	78b FBGA
GDP2BFLM-CB	4Gb	x16	1866Mbps	1.35/1.5V	0℃ ~95℃	96b FBGA
GDP2BFLM-CA	4Gb	x16	2133Mbps	1.35/1.5V	0℃ ~95℃	96b FBGA
GDP3BELM-CB	8Gb	x16	1866Mbps	1.35/1.5V	0℃ ~95℃	96b FBGA

DDR3L 工规I 产品选型

Part No.	Density	Organization	Speed	Voltage	Operating Temp.	Package
GDP1BFLA-WB	2Gb	x16	1866Mbps	1.35/1.5V	-40℃ ~95℃	96b FBGA
GDP2BFLM-WB	4Gb	x16	1866Mbps	1.35/1.5V	-40℃ ~95℃	96b FBGA
GDP3BELM-WB	8Gb	x16	1866Mbps	1.35/1.5V	-40℃ ~95℃	96b FBGA

DDR3L KTD/KGD 产品选型

Part No.	Density	Organization	Speed	Voltage	Operating Temp.	Package
GWP1TNLA-CB	2Gb	X16	1866Mbps	1.35/1.5V	0℃ ~95℃	Normal wafer
GWP1TNLA-CA	2Gb	X16	2133Mbps	1.35/1.5V	0℃ ~95℃	Normal wafer
GWP1GNLA-CB	2Gb	X16	1866Mbps	1.35/1.5V	0℃ ~95℃	Normal wafer
GWP1GNLA-CA	2Gb	X16	2133Mbps	1.35/1.5V	0℃ ~95℃	Normal wafer
GWP1GRLA-CB	2Gb	X16	1866Mbps	1.35/1.5V	0℃ ~95℃	RDL wafer
GWP1GRLA-CA	2Gb	X16	2133Mbps	1.35/1.5V	0℃ ~95℃	RDL wafer
GWP2TNLM-CB	4Gb	X16	1866Mbps	1.35/1.5V	0℃ ~95℃	Normal wafer
GWP2TNLM-CA	4Gb	X16	2133Mbps	1.35/1.5V	0℃ ~95℃	Normal wafer
GW2GNLM-CB	4Gb	X16	1866Mbps	1.35/1.5V	0℃ ~95℃	Normal wafer
GW2GNLM-CA	4Gb	X16	2133Mbps	1.35/1.5V	0℃ ~95℃	Normal wafer
GWP2GRLM-CB	4Gb	X16	1866Mbps	1.35/1.5V	0℃ ~95℃	RDL wafer
GWP2GRLM-CA	4Gb	X16	2133Mbps	1.35/1.5V	0℃ ~95℃	RDL wafer

DDR4

DDR4 特性

存储容量
- 4Gb/8Gb

数据接口
- x8/x16可选

数据速率
- 最高可达 3200Mbps

温度范围
- 0℃~95℃/ -40℃~95℃

应用领域
- 电视、安防监控、网络通信、智慧家庭、工业、平板、车载影音等诸多领域

覆盖设计、流片、封测、验证的全流程

DDR4 商规产品选型

Part No.	Density	Organization	Speed	Voltage	Operating Temp.	Package
GDQ2A8AA-CE	4Gb	x8	2400Mbps	1.2V	0℃ ~95℃	78b FBGA
GDQ2A8AA-CQ	4Gb	x8	2666Mbps	1.2V	0℃ ~95℃	78b FBGA
GDQ2BFAA-CE	4Gb	x16	2400Mbps	1.2V	0℃ ~95℃	96b FBGA
GDQ2BFAA-CQ	4Gb	x16	2666Mbps	1.2V	0℃ ~95℃	96b FBGA
GDQ2BFAA-CJ	4Gb	x16	3200Mbps	1.2V	0℃ ~95℃	96b FBGA
GDQ2BFAC-CQ	4Gb	x16	2666Mbps	1.2V	0℃ ~95℃	96b FBGA
GDQ2BFAC-CJ	4Gb	x16	3200Mbps	1.2V	0℃ ~95℃	96b FBGA
GDQ3A8AM-CQ	8Gb	x8	2666Mbps	1.2V	0℃ ~95℃	78b FBGA
GDQ3A8AM-CJ	8Gb	x8	3200Mbps	1.2V	0℃ ~95℃	78b FBGA
GDQ3BFAM-CQ	8Gb	x16	2666Mbps	1.2V	0℃ ~95℃	96b FBGA
GDQ3BFAM-CJ	8Gb	x16	3200Mbps	1.2V	0℃ ~95℃	96b FBGA

DDR4 工规I产品选型

Part No.	Density	Organization	Speed	Voltage	Operating Temp.	Package
GDQ2A8AA-WQ	4Gb	x8	2666Mbps	1.2V	-40℃ ~95℃	78b FBGA
GDQ2BFAA-WQ	4Gb	x16	2666Mbps	1.2V	-40℃ ~95℃	96b FBGA
GDQ2BFAA-WJ	4Gb	x16	3200Mbps	1.2V	-40℃ ~95℃	96b FBGA
GDQ2BFAC-WQ	4Gb	x16	2666Mbps	1.2V	-40℃ ~95℃	96b FBGA
GDQ2BFAC-WJ	4Gb	x16	3200Mbps	1.2V	-40℃ ~95℃	96b FBGA
GDQ3A8AM-WQ	8Gb	x8	2666Mbps	1.2V	-40℃ ~95℃	78b FBGA
GDQ3A8AM-WJ	8Gb	x8	3200Mbps	1.2V	-40℃ ~95℃	78b FBGA
GDQ3BFAM-WQ	8Gb	x16	2666Mbps	1.2V	-40℃ ~95℃	96b FBGA
GDQ3BFAM-WJ	8Gb	x16	3200Mbps	1.2V	-40℃ ~95℃	96b FBGA

DDR4 KTD/KGD 产品选型

Part No.	Density	Organization	Speed	Voltage	Operating Temp.	Package
GWQ2TNAC-CQ	4Gb	x16	2666Mbps	1.2V	0~95℃	Normal wafer
GWQ2TNAC-CJ	4Gb	x16	3200Mbps	1.2V	0~95℃	Normal wafer
GWQ2GNAC-CQ	4Gb	x16	2666Mbps	1.2V	0~95℃	Normal wafer
GWQ2GNAC-CJ	4Gb	x16	3200Mbps	1.2V	0~95℃	Normal wafer
GWQ2GRAC-CQ	4Gb	x16	2666Mbps	1.2V	0~95℃	RDL wafer
GWQ2GRAC-CJ	4Gb	x16	3200Mbps	1.2V	0~95℃	RDL wafer
GWQ3TNAM-CQ	8Gb	x16	2666Mbps	1.2V	0~95℃	Normal wafer
GWQ3TNAM-CJ	8Gb	x16	3200Mbps	1.2V	0~95℃	Normal wafer
GWQ3GNAM-CQ	8Gb	x16	2666Mbps	1.2V	0~95℃	Normal wafer
GWQ3GNAM-CJ	8Gb	x16	3200Mbps	1.2V	0~95℃	Normal wafer
GWQ3GRAM-CQ	8Gb	x16	2666Mbps	1.2V	0~95℃	RDL wafer
GWQ3GRAM-CJ	8Gb	x16	3200Mbps	1.2V	0~95℃	RDL wafer

LPDDR4X

LPDDR4X 特性

存储容量
- 16Gb/32Gb

数据接口
- x32

数据速率
- 最高可达4266Mbps

温度范围
- -25℃~85℃

应用领域
- 电视、平板、智慧家庭、移动模块、IoT、8K IPTV等诸多领域

覆盖设计、流片、封测、验证的全流程

LPDDR4X 商规产品选型

Part No.	Density	Organization	Speed	Voltage	Operating Temp.	Package
GDB4CBQN-MJ	16Gb	x32	3200Mbps	VDD1/VDD2/VDDQ：1.8/1.1/1.1&0.6V	-25℃ ~85℃	200b FBGA
GDB4CBQN-MK	16Gb	x32	3733Mbps	VDD1/VDD2/VDDQ：1.8/1.1/1.1&0.6V	-25℃ ~85℃	200b FBGA
GDB4CBQN-ML	16Gb	x32	4266Mbps	VDD1/VDD2/VDDQ：1.8/1.1/1.1&0.6V	-25℃ ~85℃	200b FBGA
GDB5CCQN-MJ	32Gb	x32	3200Mbps	VDD1/VDD2/VDDQ：1.8/1.1/1.1&0.6V	-25℃ ~85℃	200b FBGA
GDB5CCQN-MK	32Gb	x32	3733Mbps	VDD1/VDD2/VDDQ：1.8/1.1/1.1&0.6V	-25℃ ~85℃	200b FBGA
GDB5CCQN-ML	32Gb	x32	4266Mbps	VDD1/VDD2/VDDQ：1.8/1.1/1.1&0.6V	-25℃ ~85℃	200b FBGA

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