



中微半导

以科技至美好

股票简称：中微半导
股票代码：688 380

中微半导体(深圳)股份有限公司
China Micro Semicon Co.,Limited

www.mcu.com.cn

2024

产品选型手册 **V1.0**

公司概况

中微半导体(深圳)股份有限公司(688380.SH)成立于2001年,是一家以MCU为核心的平台型芯片设计公司,专注于数模混合信号芯片、模拟芯片的研发、设计与销售。主要产品包括8位及32位MCU、SoC、ASIC及功率器件等,广泛应用于家用电器、消费电子、工业控制(含无刷电机控制)和汽车电子等领域。

2001

创建于深圳

平台型

芯片设计公司

450+

现有员工人数

50%+

科研人员占比



使命 

让行业更简单, 让用户更放心

愿景 

成为全球MCU领先者

价值观 

以客户为中心, 以贡献者为本
做有价值的创新, 开放担当, 追求卓越

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通用MCU











通用MCU 32位系列









Part No.	Core	Speed (MHz)	Min Voltage(V)	Max Voltage(V)	Code Flash(B)	SRAM(B)	Data Flash(B)	GPIO	DMA	ADC				COMP	OPA	PGA	Timer	RTC	WDT	PWM	UART	SPI	IIC	CAN	HWMUL	HW DIV	PACKAGE
										Bit	Msp	Unit	Channel														
CMS32F030		48	2.1	5.5	32K	4K	-	30	-	12	-	1	15	-	-	-	2	-	2	6	2	1	1	-	Y	-	TSSOP20 LQFP32 QFN32
CMS32F033		64	2.1	5.5	32K	8K	1K	30	-	12	1.2	1	30	2	2	2	2	-	2	6	2	1	1	-	Y	-	QFN32
CMS32F035		64	2.1	5.5	64K	8K	1K	46	-	12	1.2/0.1	2	20	2	2	2	4	-	2	4	2	1	1	-	Y	Y	LQFP48
CMS32L031		64	2.0	5.5	32K	4K	1K	17	24	12	1.42	1	11	2	-	-	8	1	1	6	3	6	1	-	Y	-	TSSOP20 QFN20
CMS32L032		64	1.8	5.5	64K	4K	1K	22	-	12	0.5	1	20	-	-	-	8	1	1	6	2	1	1	-	Y	-	TSSOP20 QFN20 SSOP24 QFN24
CMS32F0301		64	2.1	5.5	64K	8K	1K	29	-	12	1.2	1	29	2	-	-	4	-	2	6	2	1	1	-	Y	Y	LQFP32 QFN32
CMS32F0332		64	2.1	5.5	64K	8K	1K	30	-	12	1.2/0.38	2	30	2	2	2	4	-	2	6	2	1	1	-	Y	Y	QFN32
CMS32L051		64	1.8	5.5	64K	8K	1.5K	45	24	12	0.5	1	35	-	-	-	8	1	1	6	3	1+6	1+6	-	Y	-	LQFP32 QFN32 QFN40 LQFP48
CMS32L073		48	2.0	5.5	128K	12K	1.5K	45	40	12	1.06	1	15	2	-	2	9	1	1	10	3	5	1+5	1	Y	Y	QFN40 LQFP48
CMS32F045		72	1.8	5.5	128K	12K	1K	46	8	12	1.2	1	18	2	-	-	6	-	1	8	2	1	1	-	Y	Y	QFN40 LQFP48
CMS32F402		128	2.5	5.5	256K	64K	4K	57	16	12	1.42	3	22	4	-	4	29	1	2	30	4	7	9	2	Y	Y	LQFP64

- * GPIO、ADC、COMP、OPA、PGA、UART、SPI、IIC的资源数量对应为该型号的最大封装
- * STAR MC1内核为Arm Cortex M4F升级版

Part No.	Core	Speed(MHz)	Min Voltage(V)	Max Voltage(V)	Code Flash(B)	SRAM(B)	Data Flash(B)	GPIO	ADC			COMP	OPA	PGA	Timer	LSE Timer	WDT	PWM	UART	SPI	IIC	LCD	LED	PACKAGE
									Bit	Ksps	Channel													
CMS8S5880		24	2.1	4.5	16K	0.75K	1K	18	12	100	18	-	-	-	5	-	1	6	2	1	1	-	-	TSSOP20 QFN20
CMS8S6990		48	2.1	5.5	16K	1.25K	1K	22	12	100	22	2	2	1	5	1	1	6	2	1	1	-	-	TSSOP20 QFN20 SSOP24 QFN24
CMS8S7885		48	2.1	5.5	16K	1.25K	1K	22	12	100	22	2	-	-	5	1	1	4	1	1	1	Y	Y	SSOP24
CMS8S7895		48	2.1	5.5	16K	1.25K	1K	26	12	100	26	2	-	-	5	1	1	4	1	1	1	Y	Y	SSOP28
CMS8S5887		48	2.1	5.5	32K	2.25K	1K	18	12	100	18	-	-	-	5	1	1	6	2	1	1	-	-	TSSOP20 QFN20
CMS8S5889		48	2.1	5.5	32K	2.25K	1K	30	12	100	30	-	-	-	5	1	1	6	2	1	1	-	-	QFN32
CMS8S006		48	2.1	5.5	32K	2.25K	1K	30	12	320	30	2	2	1	5	1	2	6	2	1	1	-	-	TSSOP20 SSOP24 QFN24 LQFP32 QFN32
CMS8S5897		48	2.1	5.5	64K	4.25K	4K	18	12	320	18	-	-	-	5	1	2	6	2	1	1	-	-	TSSOP20 QFN20
CMS8S5898		48	2.1	5.5	64K	4.25K	4K	22	12	320	22	-	-	-	5	1	2	6	2	1	1	-	-	SSOP24
CMS8S5899		48	2.1	5.5	64K	4.25K	4K	30	12	320	30	-	-	-	5	1	2	6	2	1	1	-	-	LQFP32 QFN32









通用MCU 8位 RISC 系列









Part No.	Core	Speed(MHz)	Min Voltage(V)	Voltage(V)	Code Flash(b)	SRAM(B)	EEPROM(B)	GPIO	ADC			COMP	OPA	Timer	PWM	UART	IIC	SPI	LCD 1/2Bias	LCD 1/3Bias	Touch CAP	PACKAGE
									Bit	Ksps	Channel											
SC8P052		16M	1.8	5.5	1K*14	64	-	5+1	-	-	-	1	-	1	3	-	-	-	-	-	-	SOT23-6 SOP8
SC8P053		16M	1.8	5.5	1K*16	64	-	11+1	-	-	-	1	-	2	5	-	-	-	-	-	-	SOP14
SC8P054		16M	1.8	5.5	2K*16	128	-	13+1	-	-	-	1	-	2	5	-	-	-	-	-	-	SOP8 SOP14 SOP16
SC8P171xE		16M	1.8	5.5	2K*16	176	-	13+1	12	-	13	-	-	2	5	-	-	-	Y	-	-	SOP8 MSOP10 SOP14 SOP16 QFN16
SC8F054		16M	1.8	5.5	2K*16	176	128	14	-	-	-	1	-	2	5	-	-	-	-	-	-	SOP8 SOP14 SOP16
SC8F072		16M	1.8	5.5	2K*16	176	128	14	12	-	14	1	-	2	5	-	-	-	-	-	-	SOP8 SOP14 SOP16 QFN16
SC8F073		16M	1.8	5.5	4K*16	256	128	18	12	-	18	2	-	3	5	1	-	-	-	-	-	SOP16 QFN16 QFN20
SC8F083		16M	1.8	5.5	4K*16	256	128	18	12	-	18	2	-	3	5	1	-	-	-	-	7	SOP16 TSSOP20 QFN20
SC8F2892B		16M	2.1	5.5	4K*16	256	32	14	12	-	14	-	2	2	5	1	1	1	-	-	7	SOP16
SC8F6790		16M	2.1	5.5	4K*16	336	32	18	12	-	18	-	2	3	5	1	1	1	Y	Y	8	TSSOP20 QFN20

Part No.	Core	Speed(MHz)	Min Voltage(V)	Max Voltage(V)	Code Flash(B)	SRAM(B)	Data Flash(B)	GPIO	DMA	ADC				DAC		COMP	OPA	PGA	Timer	RTC	WDT	PMM	UART	SPI	IIC	CAN 2.0B	LIN	USB 2.0 OTG	TFT LCD	Seg-LCD	I2S	QSPI	HW MUL	HW DIV	PACKAGE
										Bit	Msp/s	Unit	Channel	Bit	Unit																				
BAT32G113	 MO+	64	2.0	5.5	32K	4K	-	29	40	12	1.42	1	10	12	2	2	1	-	9	-	1	10	2	2+1	2+1	-	1	-	-	-	-	-	Y	Y	QFN24 QFN32
BAT32G133	 MO+	64	2.0	5.5	32K	4K	1.5K	22	24	12	1.42	1	15	-	-	2	-	2	8	1	1	6	3	6	1	-	1	-	-	-	-	-	Y	-	TSSOP20 SSOP24 QFN20 QFN24
BAT32G135	 MO+	64	1.8	5.5	64K	8K	1.5K	45	24	12	1.42	1	35	-	-	2	-	2	8	1	1	6	3	1+5	1+5	-	1	-	-	-	-	-	Y	-	QFN32 QFN40 LQFP32 LQFP48
BAT32G127	 MO+	32	1.8	5.5	128K	8K	2.5K	60	24	12	0.71	1	26	8	1	2	1	-	9	1	1	7	3	6+1	6+1	-	1	-	-	Y	-	Y	-	QFN40 LQFP48 LQFP64	
BAT32G137	 MO+	48	2.0	5.5	128K	12K	1.5K	59	40	12	1.06	1	16	8	2	2	-	2	9	1	1	10	3	6	6+1	1	1	-	-	-	-	Y	Y	QFN40 LQFP48 LQFP64	
BAT32G139	 MO+	64	1.8	5.5	256K	32K	2.5K	75	40	12	1.42	1	21	8	2	2	-	2	17	1	1	17	4	8	8+2	2	1	-	-	-	-	Y	Y	LQFP48 LQFP64 LQFP80	
BAT32G157	 MO+	64	1.8	5.5	256K	32K	2.5K	58	40	12	1.42	1	33	8	-	2	-	1	12	1	1	10	3	3+2	3+2	-	1	1	Y	-	1	1	Y	Y	LQFP48 LQFP64
BAT32G179	 MO+	64	1.8	5.5	512K	64K	20K	93	40	12	1.42	1	28	8	2	2	-	2	23	1	1	17	4	8+2	8+2	3	1	-	Y	-	-	1	Y	Y	LQFP64 LQFP80 LQFP100








* GPIO、ADC、COMP、OPA、PGA、UART、SPI、IIC的资源数量对应为该型号的最大封装

通用MCU 家电 ADC系列

Part No.	Core	Speed(MHz)	Min Voltage(V)	Max Voltage(V)	Code Flash	SRAM(B)	Data Flash(B)	GPIO	DMA	ADC		COMP	OPA	Timer	LSE Timer	WDT	PWM	UART	SPI	IIC	LED	LCD	HW/MUL	HW DIV	PACKAGE
										Bit	Channel														
CMS79F11x		16	1.8	5.5	2K*16b	256	128	18	-	12	18	-	-	3	Y	1	5	1	-	-	-	-	-	-	SOP8 SOP14 SOP16 SOP20
CMS79F12x		16	1.8	5.5	4K*16b	344	128	14	-	12	13	-	2	3	-	1	5	1	-	-	-	-	-	Y	SOP16
CMS79F13x		16	2.0	5.5	8K*16b	344	128	18	-	12	18	-	-	3	Y	1	5	2	-	-	-	-	-	-	SOP16 SOP20
CMS80F231x		48	2.1	5.5	16KB	1.25K	1K	18	-	12	18	2	2	5	Y	1	6	2	1	1	-	-	-	-	SOP16 SOP20
CMS80F253x		48	2.1	5.5	32KB	2.25K	1K	30	-	12	30	-	-	5	Y	1	6	2	1	1	Y	-	-	-	SOP28 LQFP32
CMS80F262x		48	2.1	5.5	64KB	4.25K	1K	46	-	12	23	2	-	5	Y	1	6	4	1	1	Y	Y	Y	Y	SOP28 LQFP32 LQFP44 LQFP48
BAT32G137-A		48	2.0	5.5	128KB	12K	1.5K	58	40	12	16	2	-	9	-	1	10	3	6	6+1	-	-	Y	Y	LQFP32 LQFP44 LQFP64
BAT32G139		64	1.8	5.5	256KB	32K	2.5K	75	40	12	21	2	-	17	-	1	17	4	8	8+2	-	-	Y	Y	LQFP48 LQFP64 LQFP80

Part No.	Core	Speed(MHz)	Min Voltage(V)	Max Voltage(V)	Code Flash	SRAM(B)	Data Flash(B)	GPIO	ADC		COMP	OPA	Timer	LSE Timer	WDT	PWM	UART	SPI	IIC	LED	LCD	Touch	HW MUL	HW DIV	PACKAGE
									Bit	Channel															
CMS79FT61x		16	2.0	5.5	2K*16b	256	128	18	12	18	-	-	3	-	1	5	1	-	-	Y	-	8	-	-	SOP8 SOP16 SOP20
CMS79FT62xB		16	2.0	5.5	4K*16b	344	128	26	12	24	-	-	2	-	1	5	1	1	1	Y	-	12	-	-	SOP16 SOP20 SOP28
CMS79F72xB		32	2.5	5.5	4K*16b	344	128	26	12	26	-	-	3	-	1	5	1	1	1	Y	-	26	-	-	SOP16 SOP20 SOP28
CMS79F72x		16	1.8	5.5	8K*16b	256+400	128	18	12	18	-	-	3	-	1	2	1	-	-	Y	-	8	-	-	SOP16 SOP20 TSSOP20
CMS79F73x		16	2.0	5.5	8K*16b	256+400	128	26	12	26	-	-	3	Y	1	2	2	1	1	Y	-	26	-	-	SOP28 SSOP28
CMS80F731x		48	2.1	5.5	16KB	1.25K	1K	26	12	26	-	-	5	Y	1	6	2	1	1	Y	-	26	-	-	SOP20 SOP28 SSOP28
CMS80F751x		48	2.1	5.5	32KB	2.25K	1K	30	12	30	2	2	5	Y	1	6	2	1	1	Y	Y	30	Y	Y	SOP28 LQFP32
CMS80F761x		48	2.1	5.5	64KB	4.25K	1K	46	12	46	-	-	5	Y	1	6	3	1	1	Y	Y	46	-	-	SOP28 LQFP32 LQFP44 LQFP48

通用MCU 车规 BAT32A系列

Part No.	Core	Speed(MHz)	Min Voltage(V)	Max Voltage(V)	Code Flash(B)	SRAM(B)	Data Flash(B)	GPIO	DMA	ADC				DAC		COMP	PGA	Timer	RTC	WDT	PWM	UART	SPI	IIC	CAN 2.0B	LIN	TFT LCD	HWMUL	HW DIV	AEC-Q100 Grade Level	PACKAGE
										Bit	Msp	Unit	Channel	Bit	Unit																
BAT32A233		64	2.0	5.5	32K	4K	-	29	40	12	1.42	1	10	12	2	2	1	9	-	1	10	2	2+1	2+1	-	1 硬件LIN2.2 LIN PHY	-	Y	Y	Grade 1	QFN24 QFN32 LQFP32
BAT32A237		48	2.0	5.5	128K	12K	1.5K	59	40	12	1.06	1	16	8	2	2	2	9	1	1	10	3	6	6+1	1	1	-	Y	Y	Grade 1	QFN40 LQFP32 LQFP48 LQFP64
BAT32A239		64	2.0	5.5	256K	32K	2.5K	75	40	12	1.42	1	21	8	2	2	2	17	1	1	16	4	8	8+2	2	1	-	Y	Y	Grade 1	QFN48 LQFP64 LQFP80
BAT32A279		64	2.0	5.5	512K	64K	20K	93	40	12	1.42	1	28	8	2	2	2	17	1	1	16	4	8+2	8+2	3	1	Y	Y	Y	Grade 1	LQFP80 LQFP100
BAT32A337		48	2.0	5.5	128K	16K	1.5K	45	40	12	1.06	1	16	8	2	2	2	9	1	1	9	3	5	5+1	1	1	-	Y	Y	Grade 0	LQFP48
BAT32A6300		64	5.5	28	32K	4K	-	26	40	12	1.42	1	10	12	2	2	1	9	-	1	10	2	2+1	2+1	-	1 硬件LIN2.2 LIN PHY	-	Y	Y	Grade 1	QFN32
BAT32A6700*		48	5.5	28	128K	12K	1.5K	41	40	12	1.06	1	15	8	2	2	2	9	1	1	10	2	2	2+1	1	1 硬件LIN2.2 LIN PHY	-	Y	Y	Grade 1	QFN48








- * GPIO、ADC、COMP、OPA、PGA、UART、SPI、IIC的资源数量对应为该型号的最大封装
- * Operating temperature up to 125 °C



Cmsemicon®

专用MCU

专用MCU 电机控制 CMS32M5/6系列

Part No.	Core	Speed(MHz)	Code Flash(B)	SRAM(B)	Data Flash(B)	Integrated Gate Driver	HW MUL	HW DIV	GPIO	12-Bit ADC 100Ksps	12-Bit ADC 1.2Msps	OPA	PGA	Comp	EPWM	Timer	UART	IIC	SPI	Temperature Sensor	CRC	WDT	WWDT	Driver Current(V)	Floating GateVoltage(V)	LDO(V)	Power Supply Topology	PACKAGE	Application
CMS32M5533E*		64	32K	8K	1K	6N	1	1	24	1	1	2	2	2	6	2	2	1	1	-	1	1	1	5-20	200	-	-	LQFP48 QFN40	电动工具 园林工具
CMS32M5536		64	32K	8K	1K	6N	1	1	24	1	1	2	2	2	6	2	2	1	1	-	1	1	1	8-20	200	-	-	LQFP48	
CMS32M5736		64	64K	8K	1K	6N	1	1	32	1	1	2	2	2	6	4	2	1	1	1	1	1	1	8-20	200	-	-	QFN48	
CMS32M6534E		64	64K	8K	1K	6N	1	1	17	-	1	-	3	2	6	6	1	1	1	1	1	1	1	5-20	200	5+12	-	QFN40	强排 吸尘器 电动工具
CMS32M6536E		64	64K	8K	1K	6N	1	1	16	-	1	-	3	2	6	6	1	1	1	1	1	1	1	5-20	200	-	-	QFN32	
CMS32M6710		72	128K	12K	1K	-	1	1	46	-	1	-	4	2	8	6	2	1	1	1	1	1	1	-	-	-	-	LQFP48	两轮车
CMS32M6736E		72	128K	12K	1K	6N	1	1	32	-	1	-	4	2	6	6	2	1	1	1	1	1	1	5-20	200	-	-	QFN48	电动工具





一站式配套产品 - 双路输出LDO

Part No.	Operating Voltage	Standby current	Quiescent Current	Enable Maintain	12V output precision	12V output operating current	12V output voltage difference	12V PSRR	5V output precision	5V output operating current	5V PSRR	Temperature Protections	PACKAGE	Application
CMS6021	6V~36V	0uA	2.5mA	Y	11V-12.5V	60mA	300mV/0.1A	60dB	5V±2%	30mA	60dB	160°C	ESOP8	电动工具

一站式配套产品 - N/N栅极驱动

Part No.	Operating Voltage	Vs Voltage	IO+/IO-	Input Logic	VCC (UV+/UV-)	VBS (UV+/UV-)	Driver Power Transistor Type	Dead time	Direct Current Preventio	Enable shutdown	Output Chanel	PACKAGE	Application
CMS6164	8V~20V	200V	+1.1A/-2.0A	HIN/LIN	6.8V/6.2V	6.8V/6.2V	6N	310ns	Y	-	6	TSSOP20	电动工具

* Coming soon

Part No.	Core	Speed (MHz)	Code Flash (B)	SRAM (B)	Data Flash (B)	Integrated Gate Driver	HW MUL	HW DIV	GPIO	SCH	12-Bit ADC 1.2Msps	OPA	PGA	Comp	EPWM	Timer	UART	IIC	SPI	Temperature Sensor	CRC	WDT	WWDT	Driver Curren (V)	Floating GateVoltage (V)	LDO (V)	PACKAGE	Application
CMS32M6510		64	64K	8K	1K	-	1	1	14	-	1	-	3	2	4	6	1	1	1	1	1	1	1	-	-	-	SOP16	空净/落地扇 低压吊扇 低压水泵
CMS32M6526		64	64K	8K	1K	3P+3N	1	1	14	-	1	-	3	2	6	6	1	1	1	1	1	1	1	9-36	-	5	SSOP24	
CMS32M6526C		64	64K	8K	1K	3P+3N	1	1	14	-	1	-	3	2	6	6	1	1	1	1	1	1	1	5-36	-	5	SSOP24	
CMS32M6526C		64	64K	8K	1K	3P+3N	1	1	14	-	1	-	3	2	6	6	1	1	1	1	1	1	1	5-36	-	5	QFN24	三相散热风扇 扫地机


一站式配套产品 - 半桥P/N型IPM

Part No.	Operating Voltage	Input Logic	ID@12V	Under Voltage (UV+/UV-)	Standby Current	Characteristic	RDS(on) Source + Sink MOS	Direct Current Prevention	Over Current Protection	Over Temperature Protection	Dynamic Deadband	PACKAGE	Application
CMS3D205	5V~40V	PWM/EN	5A	4.5V/4.3V	0uA	Driver+MOSFET	60mΩ	Y	N	N	Y	SOP8	空净/落地扇 低压吊扇 低压水泵

一站式配套产品 - P/N栅极驱动

Part No.	Operating Voltage	VBB Voltage	LO IO+/IO-	HO IO+/IO-	Input Logic	Under Voltage (UV+/UV-)	Driver Power Transistor Type	Dead time	Direct Current Preventio	Over Temperature Protection	LDO	Output Chanel	PACKAGE	Application
CMS6971	9V~36V	40V	+0.05A/-0.26A	+0.30A/-0.06A	HIN/LIN	8.5V/8.0V	P/N	300ns	Y	-	5V/60mA	6	SOP16	低压落地扇

专用MCU 电机控制 CMS32M6系列 高压应用


Part No.	Core	Speed (MHz)	Code Flash (B)	SRAM(B)	Data Flash (B)	Integrated Gate Driver	HW MUL	HW DIV	GPIO	SCH	12-Bit ADC 1.2MSPS	OPA	PGA	Comp	EPWM	Timer	UART	IIC	SPI	Temperature Sensor	CRC	WDT	WWDT	Driver Current(V)	Floating Gate Voltage(V)	LDO(V)	PACKAGE	Application
CMS32M6510		64	64K	8K	1K	-	1	1	22	-	1	-	3	2	6	6	1	1	1	1	1	1	1	-	-	-	SSOP24	冰箱压缩机 油烟机 洗衣机 高压水泵

一站式配套产品 - 栅极驱动

Part No.	Operating Voltage	Vs tolerance	IO+/IO-	Input Logic	VCC (UV+/UV-)	VBS (UV+/UV-)	Driver Power Transistor Type	Dead time	Direct Current Prevention	Enable shutdown	Output pin	PACKAGE	Application
CMS6D220	10V-20V	600V	+0.21A/-0.41A	HIN/LIN	8.8V/8.2V	8.8V/8.2V	2N	350ns	Y	-	2	SOP8	高速风筒











一站式配套产品 - LDO

Part No.	Operating Voltage	Output Voltage	OutPut Accuracy	Supply Current	Standby Current	Temperature Protections	PACKAGE	Application
CMS7850-1	3.6V~40V	5V	±2%	150mA	2uA	180°C	SOT23-3/SOT89-3	冰箱压缩机 油烟机 洗衣机 高压水泵

Part No.	Core	Speed (MHz)	Code Flash (B)	SRAM(B)	Data Flash (B)	Integrated Gate Driver	HW MUL	HW DIV	GPIO	12-Bit ADC 100Ksps	12-Bit ADC 1.42Msps	OPA	PGA	Comp	EPWM	Timer	UART	IIC	SPI	Temperature Sensor	CRC	WDT	CAN	LIN	PACKAGE	Application
CMS32M7510		128	256K	64K	4K	-	1	1	51	-	3	-	4	4	10	20	4	10	10	1	1	2	2	1	LQFP64	双向储能 工业风机水泵

• STAR MC1内核为Arm Cortex M4F升级版

专用MCU 测量系列



Part No.	Core	Speed(MHz)	Min Voltage(V)	Max Voltage(V)	Code Flash(B)	SRAM(B)	Data Flash(B)	GPIO	ADC		DAC		Sigma Delta ADC	COMP	OPA	PGA	Timer	WDT	PWM	RTC	UART	SPI	IIC	LED	LCD	HW MUL	HW DIV	LDO	PACKAGE	Application
									Bit	Channel	Bit	Unit																		
CMS8H5120	 8051	24	2.1	5.5	32K	4.25K	1K	22	12	22	6	2	-	2	4	1	5	1	6	-	2	1	1	-	-	-	-	-	SSOP24	血氧仪
CMS8H1213	 RISC	8	2.4	4.5	8K*16	344	128	18	12	5	-	-	1x24bit	-	-	-	2*8bit	1	-	1	1	-	-	8*8 4*12	-	-	-	-	SSOP24	LED秤
CMS8H1215	 RISC	8	2.4	4.5	8K*16	344	128	25	12	8	-	-	2x24bit	-	-	-	2*8bit	1	2	1	1	-	-	8*8 4*12	-	-	-	-	QFN32	充气泵 LED秤
CMS8H1215C	 RISC	8	3.3	22	8K*16	344	128	25	12	8	-	-	2x24bit	-	-	-	2*8bit	1	2	1	1	-	-	8*8 4*12	-	-	-	3.3V	QFN32	充气泵 LED秤
CMS8H1205B	 RISC	8	2.4	4.5	4K*16	256	128	12	12	5	-	-	2x24bit	-	-	-	2*8bit	1	-	1	1	-	-	-	4*15	-	-	-	QFN32	LCD秤 测温枪
CMS8H120D	 RISC	8	2.4	4.5	4K*16	256	128	12	12	5	-	-	2x24bit	-	-	-	2*8bit	1	-	1	1	-	-	-	4*20	-	-	-	BONDING	LCD秤 测温枪
CMS32H6241	 Sigma Delta MO+	64	1.8	4.4	64K	256B+4K	1k	11	12	9	-	-	1x24bit	-	-	-	8	1	2	1	2	1	1	-	-	-	-	-	SOP16	台秤
CMS8H5145	 8051	24	2.5	4.4	64K	4.25K	1K	38	12	16	-	-	2x24bit	2	2	1	5	1	6	1	4	1	1	Y	Y	Y	Y	-	LQFP48	血压计 仪表测量
CMS32H6157	 Sigma Delta MO+	32	1.8	4.4	128K	8K	2.5K	54	12	26	8	1	1x24bit	2	1	0	16	1	7	1	3	2+1	2+1	-	4*36 6*34 8*32	Y	Y	-	LQFP64	血压计
CMS32H3201	 Sigma Delta MO+	64	1.8	4.4	256K	32K	2.5K	44	12	27	-	-	1x24bit	2	-	1	12	1	10	1	3	2+2	2+2	-	-	Y	Y	-	LQFP64	彩屏血压计

高精度ADC系列


Part No.	Channel	VDD(V)	SPI	PGA	OSC	Resolution (Bits)	Output rate	Effective Resolution (Bits)	Built-in LDO(V)	Temp(°C)	Type	PACKAGE
CMS24AD2001	1	2.5 - 4.4	Dual line	Y	INTRC	24	2.5Hz~2.56KHz	20.6	2.4/2.6/3.0/3.3	-40~85	Single channel high-precision ADC	SOP8
CMS24AD2002	2	2.5 - 4.4	Dual line	Y	INTRC	24	2.5Hz~2.56KHz	20.6	2.4/2.6/3.0/3.3	-40~85	Dual channel high-precision ADC	SOP14
CMS24AD2301	1	2.5 - 4.4	Dual line	Y	INTRC	24	5Hz~5.2KHz	20.0	2.4/2.6/3.0	-40~85	Dual channel high-precision ADC	SOP8

专用MCU系列

IH电磁加热

Part No.	Core	Speed(MHz)	Min Voltage(V)	Max Voltage(V)	Code Flash(b)	SRAM(B)	Data Flash(B)	GPIO	ADC		COMP	PGA	Timer	PWM	UART	IIC	LDO	IGBT Driver	PACKAGE
									Bit	Channel									
CMS79F53x		32	3.0	5.5	8K*16	336	128	17	12	17	8	1	3	3	1	1	-	-	SOP16 SOP20
CMS79F53x5		32	3.0	5.5	8K*16	336	128	15	12	15	8	1	3	3	1	1	5V@100mA	Y	SOP16 SOP20

雾化器

Part No.	Core	Speed(MHz)	Min Voltage(V)	Max Voltage(V)	Code Flash(b)	SRAM(B)	Data Flash(B)	GPIO	ADC		COMP	OPA	Timer	PWM	UART	SPI	IIC	Touch	PACKAGE
									Bit	Channel									
CMS79F51xx		16	1.8	5.5	4K*16	344	32	14	12	13	-	2	3	5	1	-	-	12	SOP8 SOP16

LDO

Part No.	Input Voltage	Output Voltage	Operating Current	Quiescent Current	Output precision	PACKAGE
CMS75xx	3V~22V	3.3~3.6V	150mA	2uA	±1%	SOT23-3 SOT89-3
CMS7850	4.5V~40V	5V	150mA	4.3uA	±2%	SOT23-3 SOT89-3

DCDC

Part No.	Input Voltage	Output Voltage	Output Current	Quiescent Current	Switching Frequency	Switch Current limit	Output precision	Protection Standard	PACKAGE
CMS6B714	4.5~18V	0.6V~6V	2A	6uA	500KHz	3A	±2%	OVP、OCP、OTP、UVP	SOT23-6

ACDC

Part No.	Input Voltage	Output Current	MOS voltage tolerance	Switching Frequency(KHz)	Frequency dithering function	PACKAGE
CMS9B312	12V~18V	200mA	650V	60	Y	SOP8
CMS9B313	12V~18V	350mA	650V	60	Y	DIP8
CMS9B321	5V	200mA	650V	50	Y	SOP8

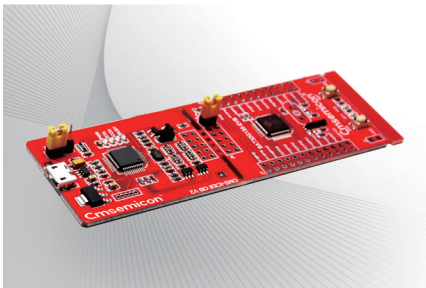
显示驱动系列

LED Driver

Part No.	VDD(V)	Mode of comm	COMnx SEGn (Cathode common to ground)	COMnx SEGn (Anode common to power)	Key	PACKAGE
CMS1628	4.5~5.5	SPI	10X7 - 13X4	7X10	10X2	SOP28
CMS1668	4.5~5.5	SPI	10X7 - 13X4	7X10	10X2	SOP24
CMS1640	4.5~5.5	IIC Equivalen	8X16	16x8	-	SOP28
CMS1641	4.5~5.5	IIC Equivalen	8X8	8x8	-	SOP20
CMS1650S	2.8~5.5	IIC	8X4 - 7X4	-	7X4	SOP16

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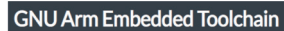


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