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芯海科技产品选型表

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32位MCU

Part No.	Core	Freq. (MHz)	Flash (Bytes)	SRAM (Bytes)	IO	Adv. Timer	16bit GP Timer	32bit GP Timer	SysTick	FWDT/ WWDT	RTC	UART	SPI	I2S	I2C	USB	CAN	12bit ADC Units(ch)	24bit ADC Units(ch)	DAC Units(bits)	Temp. Sensor	VBAT	Operating Temp. (°C)	Supply Voltage (V)	Package
CS32F030F6P6-RA	M0	48	32K	4K	15	1	5	-	1	1/1	-	4	1	-	1	-	-	1(9)	-	-	Y	-	-40~85	2.0~5.5	TSSOP20
CS32F030F8P7-RA	M0	48	64K	8K	15	1	5	-	1	1/1	-	4	1	-	1	-	-	1(9)	-	-	Y	-	-40~105	2.0~5.5	TSSOP20
CS32F030C8T6-RA	M0	48	64K	8K	39	1	5	-	1	1/1	1	5	2	-	2	-	-	1(10)	-	-	Y	-	-40~85	2.0~5.5	LQFP48(7*7)
CS32F030C8T7-RA	M0	48	64K	8K	39	1	5	-	1	1/1	1	5	2	-	2	-	-	1(10)	-	-	Y	-	-40~105	2.0~5.5	LQFP48(7*7)
CS32F031G8K6-RA	M0	48	64K	8K	24	1	5	-	1	1/1	1	5	1	-	1	-	-	1(9)	-	-	Y	-	-40~85	2.0~5.5	SSOP28
CS32F031G8U6-RA	M0	48	64K	8K	23	1	5	-	1	1/1	-	5	1	-	1	-	-	1(10)	-	-	Y	-	-40~85	2.0~5.5	QFN28(4*4)
CS32F031G8U7-RA	M0	48	64K	8K	23	1	5	-	1	1/1	-	5	1	-	1	-	-	1(10)	-	-	Y	-	-40~105	2.0~5.5	QFN28(4*4)
CS32F031K8S6-RA	M0	48	64K	8K	25	1	5	-	1	1/1	-	5	1	-	1	-	-	1(10)	-	-	Y	-	-40~85	2.0~5.5	LQFP32(7*7)
CS32F031K8V6-RA	M0	48	64K	8K	27	1	5	-	1	1/1	-	5	1	-	1	-	-	1(10)	-	-	Y	-	-40~85	2.0~5.5	QFN32(4*4)
CS32F031K8U6-RA	M0	48	64K	8K	27	1	5	-	1	1/1	-	5	1	-	1	-	-	1(10)	-	-	Y	-	-40~85	2.0~5.5	QFN32(5*5)
CS32F031K8U7-RA	M0	48	64K	8K	27	1	5	-	1	1/1	-	5	1	-	1	-	-	1(10)	-	-	Y	-	-40~105	2.0~5.5	QFN32(5*5)
CS32F034F8P6-RA	M0	48	64K	8K	18	1	5	-	1	1/1	-	5	1	-	1	-	-	1(10)	-	-	Y	-	-40~85	2.0~5.5	TSSOP20
CS32F034K8U7-RA	M0	48	64K	8K	29	1	5	-	1	1/1	-	5	1	-	2	-	-	1(10)	-	-	Y	-	-40~105	2.0~5.5	QFN32(5*5)
CS32F030F6P6	M0	48	32K	4K	15	1	5	-	1	1/1	-	2	1	-	1	-	-	1(9)	-	-	Y	-	-40~105	2.0~5.5	TSSOP20
CS32F030K6T6	M0	48	32K	4K	25	1	5	-	1	1/1	-	1	1	-	1	-	-	1(10)	-	-	Y	-	-40~105	2.0~5.5	LQFP32(7*7)
CS32F030C8T6	M0	48	64K	8K	39	1	5	-	1	1/1	1	2	2	-	2	-	-	1(10)	-	-	Y	-	-40~105	2.0~5.5	LQFP48(7*7)
CS32F031E6Y6	M0	48	32K	4K	21	1	5	1	1	1/1	-	4	1	1	1	-	-	1(10)	-	-	Y	-	-40~105	2.0~5.5	WLCSP25
CS32F031G6U6	M0	48	32K	4K	23	1	5	1	1	1/1	-	4	1	1	1	-	-	1(10)	-	-	Y	-	-40~105	2.0~5.5	QFN28(4*4)
CS32F031K8U6H	M0	48	64K	8K	27	1	5	1	1	1/1	-	5	1	1	1	-	-	1(10)	-	-	Y	-	-40~105	2.0~5.5	QFN32(5*5)
CS32F031C8T6	M0	48	64K	8K	39	1	5	1	1	1/1	1	5	2	1	2	-	-	1(10)	-	-	Y	Y	-40~105	2.0~5.5	LQFP48(7*7)

32位MCU

Part No.	Core	Freq. (MHz)	Flash (Bytes)	SRAM (Bytes)	IO	Adv. Timer	16bit GP Timer	32bit GP Timer	SysTick	FWDT/ WWDT	RTC	UART	SPI	I2S	I2C	USB	CAN	12bit ADC Units(ch)	24bit ADC Units(ch)	DAC Units(bits)	Temp. Sensor	VBAT	Operating Temp. (°C)	Supply Voltage (V)	Package
CS32F035F6P7	M0	48	32K	4K	17	1	4	-	1	1/1	-	2	1	-	1	-	-	1(10)	-	-	Y	-	-40~105	2.0~5.5	TSSOP20
CS32F035K6U6	M0	48	32K	4K	27	1	4	-	1	1/1	-	2	1	-	1	-	-	1(10)	-	-	Y	-	-40~85	2.0~5.5	QFN32(4*4)
CS32F036F6P7	M0	48	32K	4K	15	1	4	-	1	1/1	-	2	1	-	1	-	-	1(9)	-	-	Y	-	-40~105	2.0~5.5	TSSOP20
CS32F036K6T7	M0	48	32K	4K	25	1	4	-	1	1/1	-	2	1	-	1	-	-	1(10)	-	-	Y	-	-40~105	2.0~5.5	LQFP32(7*7)
CS32F036K6U7	M0	48	32K	4K	27	1	4	-	1	1/1	-	2	1	-	1	-	-	1(10)	-	-	Y	-	-40~105	2.0~5.5	QFN32(5*5)
CS32F103C8T7	M3	72	64K	20K	37	1	3	-	1	1/1	1	3	2	-	2	1	1	2(10)	-	-	Y	Y	-40~105	2.0~3.6	LQFP48(7*7)
CS32F103CBW6	M3	72	128K	20K	37	1	3	-	1	1/1	1	3	2	-	2	1	1	2(10)	-	-	Y	Y	-40~85	2.0~3.6	QFN48(5*5)
CS32F103CBT7	M3	72	128K	20K	37	1	3	-	1	1/1	1	3	2	-	2	1	1	2(10)	-	-	Y	Y	-40~105	2.0~3.6	LQFP48(7*7)
CS32F103RBT7	M3	72	128K	20K	51	1	3	-	1	1/1	1	3	2	-	2	1	1	2(16)	-	-	Y	Y	-40~105	2.0~3.6	LQFP64(10*10)
CS32F103VBT7	M3	72	128K	20K	80	1	3	-	1	1/1	1	3	2	-	2	1	1	2(16)	-	-	Y	Y	-40~105	2.0~3.6	LQFP100(14*14)

32位低功耗MCU

Part No.	Core	Freq. (MHz)	Flash (Bytes)	SRAM (Bytes)	IO	Adv. Timer	16bit GP Timer	LPTIM	SysTick	FWDT/ WWDT	RTC	UART	LPUA RT	SPI	I2C	12bit ADC Units(ch)	24bit ADC Units(ch)	DAC Units(bits)	VC/OP	Temp. Sensor	VBAT	Operating Temp. (°C)	Supply Voltage (V)	Package
CS32L010F8K6	M0	24	64K	4K	16	1	1	1	1	1/1	1	3	1	1	1	1(7)	-	-	1/0	-	-	-40~85	2.5~5.5	SSOP20
CS32L010F8U6	M0	24	64K	4K	16	1	1	1	1	1/1	1	3	1	1	1	1(7)	-	-	1/0	-	-	-40~85	2.5~5.5	QFN20(3*3)
CS32L015K8V6	M0	24	64K	8K	28	3	3	1	1	1/1	-	4	-	2	2	1(14)	-	1(6)	2/1	-	-	-40~85	2.5~5.5	QFN32(4*4)
CS32L015C8T6	M0	24	64K	8K	40	3	4	1	1	1/1	1	4	1	2	2	1(16)	-	1(6)	2/2	-	-	-40~85	2.5~5.5	LQFP48(7*7)

8位OTP MCU

Part No.	ROM Type	ROM (bits)	SRAM (Bytes)	EEPROM (Bytes)	IO	8bits Timer0	8bits Timer/PWM	12bit Timer/PWM	16bit Timer/PWM	Complementary PWM	WDT/WWDT	RTC	UART	SPI	I2C	LCD	LED	12bit ADC Units(ch)	24bit ADC Units(ch)	Comp/OPA	Temp. Sensor	Special Function	Operating Temp. (°C)	Supply Voltage (V)	Package
CSU8RP2113-SO	OTP	1K*14	32	-	6	1	1	-	-	-	1/0	-	-	-	-	-	-	-	-	-	-	-	-40~85	2.2~5.5	SOP8
CSU32P10-SOP8	OTP	2K*14	64	-	6	1	-	2	-	-	1/0	-	-	-	-	-	-	1(3)	-	-	-	-	-40~85	2.4~5.5	SOP8
CSU32P10-MSOP10	OTP	2K*14	64	-	8	1	-	2	-	1	1/0	-	-	-	-	-	-	1(4)	-	-	-	-	-40~85	2.4~5.5	MSOP10
CSU32P10-SOP14	OTP	2K*14	64	-	12	1	-	2	-	1	1/0	-	-	-	-	-	-	1(5)	-	-	-	-	-40~85	2.4~5.5	SOP14
CSU32P10-TSSOP14	OTP	2K*14	64	-	12	1	-	2	-	1	1/0	-	-	-	-	-	-	1(5)	-	-	-	-	-40~85	2.4~5.5	TSSOP14
CSU8RP3215-SO	OTP	2K*16	128	-	14	1	-	3	-	1	1/0	-	1	-	-	-	-	1(7)	-	1/0	-	-	-40~85	2.2~5.5	SOP16
CSU8RP3215-TS	OTP	2K*16	128	-	14	1	-	3	-	1	1/0	-	1	-	-	-	-	1(7)	-	1/0	-	-	-40~85	2.2~5.5	TSSOP16
CSU8RP3216-SO	OTP	2K*16	128	-	18	1	-	3	-	1	1/0	-	1	-	-	-	-	1(9)	-	1/0	-	-	-40~85	2.2~5.5	SOP20
CSU8RP3216-SS	OTP	2K*16	128	-	18	1	-	3	-	1	1/0	-	1	-	-	-	-	1(9)	-	1/0	-	-	-40~85	2.2~5.5	SSOP20
CSU8RP3216-TS	OTP	2K*16	128	-	18	1	-	3	-	1	1/0	-	1	-	-	-	-	1(9)	-	1/0	-	-	-40~85	2.2~5.5	TSSOP20
CSU8RP3216-QN	OTP	2K*16	128	-	18	1	-	3	-	1	1/0	-	1	-	-	-	-	1(9)	-	1/0	-	-	-40~85	2.2~5.5	QFN20(3*3)

8位Flash MCU

Part No.	ROM Type	ROM (bits)	SRAM (Bytes)	EEPROM (Bytes)	IO	8bits Timer0	8bits Timer/PWM	12bit Timer/PWM	16bit Timer/PWM	Complementary PWM	WDT/WWDT	RTC	UART	SPI	I2C	LCD	LED	12bit ADC Units(ch)	24bit ADC Units(ch)	Comp/OPA	Temp. Sensor	Special Function	Operating Temp. (°C)	Supply Voltage (V)	Package
CSU32M10-MSOP10	MTP	2K*16	104	128	8	1	-	2	-	1	1/1	-	-	-	-	-	-	1(4)	-	1/0	-	OCP	-40~85	2.35~5.5	MSOP10
CSU32M10-QFN16	MTP	2K*16	104	128	14	1	-	2	-	2	1/1	-	-	-	-	5*8	-	1(7)	-	1/0	-	OCP	-40~85	2.35~5.5	QFN16(3*3)
CSU32M11-SOP16	MTP	2K*16	104	128	14	1	-	2	-	2	1/1	-	-	-	-	5*8	-	1(7)	-	1/0	-	-	-40~85	2.35~5.5	SOP16
CSU34F20-SOP16	Flash	4K*16	488	-	14	1	-	3	-	1	1/1	-	1	-	1	-	3*4	1(7)	-	1/0	-	-	-40~85	1.8~5.5	SOP16
CSU34F20-QFN20	Flash	4K*16	488	-	18	1	-	3	-	1	1/1	-	1	-	1	-	6*7	1(8)	-	1/0	-	-	-40~85	1.8~5.5	QFN20(3*3)
CSU34F20-SSOP24	Flash	4K*16	488	-	19	1	-	3	-	1	1/1	-	1	-	1	-	7*8	1(8)	-	1/0	-	-	-40~85	1.8~5.5	SSOP24
CSU38F20-MSOP10	Flash	8K*16	488	-	8	1	-	3	-	1	1/1	-	1	-	1	-	-	1(4)	-	1/0	-	-	-40~85	1.8~5.5	MSOP10
CSU38F20-SOP16	Flash	8K*16	488	-	14	1	-	3	-	1	1/1	-	1	-	1	-	3*4	1(7)	-	1/0	-	-	-40~85	1.8~5.5	SOP16
CSU38F20-QFN20	Flash	8K*16	488	-	18	1	-	3	-	1	1/1	-	1	-	1	-	6*7	1(8)	-	1/0	-	-	-40~85	1.8~5.5	QFN20(3*3)
CSU38F20-SSOP24	Flash	8K*16	488	-	19	1	-	3	-	1	1/1	-	1	-	1	-	7*8	1(8)	-	1/0	-	-	-40~85	1.8~5.5	SSOP24
CSU38F20H-QFN24	Flash	8K*16	488	-	19	1	-	3	-	1	1/1	-	1	-	1	-	7*8	1(8)	-	1/0	-	-	-40~85	1.8~5.5	QFN24(4*4)
CSU38F21-QFN24	Flash	8K*16	488	-	19	1	-	3	-	1	1/1	-	1	-	1	-	7*8	1(8)	-	1/0	-	-	-40~85	1.8~5.5	QFN24(3*3)

电子烟MCU

Part No.	ROM Type	ROM (bits)	SRAM (Bytes)	EEPROM (Bytes)	IO	8bits Timer0	8bits Timer/PWM	12bit Timer/PWM	16bit Timer/PWM	Complementary PWM	WDT/WWDT	RTC	UART	SPI	I2C	LCD	LED	12bit ADC Units(ch)	24bit ADC Units(ch)	Comp/OPA	Temp. Sensor	Special Function	Operating Temp. (°C)	Supply Voltage (V)	Package
CSU32P13-CSOP8	OTP	2K*14	64	-	5	1	-	2	-	-	1/0	-	-	-	-	-	-	1(2)	-	-	-	Airflow detect	-40~85	2.4~5.5	CSOP8
CSU32M13-CSOP16	MTP	2K*16	104	128	13	1	-	2	-	1	1/1	-	-	-	-	-	-	1(6)	-	1/0	-	Airflow detect	-40~85	2.35~5.5	CSOP16
CSU38F23-QFN20	Flash	8K*16	488	-	17	1	-	3	-	1	1/1	-	1	-	1	-	4*5	1(8)	-	1/0	-	Airflow detect	-40~85	1.8~5.5	QFN20(3*3)

32位车规MCU

Part No.	Core	Freq. (MHz)	Flash (Bytes)	SRAM (Bytes)	IO	Adv. Timer	16bit GP Timer	32bit GP Timer	SysTick	FWDT/WWDT	RTC	UART (LIN)	SPI	I2S	I2C	USB	CAN	12bit ADC Units(ch)	24bit ADC Units(ch)	DAC Units(bits)	Temp. Sensor	VBAT	Operating Temp. (°C)	AEC-Q100	Supply Voltage (V)	Package
CS32F036K6S7Q	M0	48	32K	4K	25	1	4	-	1	1/1	-	2	1	-	1	-	-	1(10)	-	-	Y	-	-40~105	Grade 2	2.0~5.5	LQFP32 (7*7)
CS32F116RBT8Q	M3	72	128K	20K	51	1	3	-	1	1/1	1	3	2	-	2	1	1	2(16)	-	-	Y	-	-40~125	Grade 1	2.0~3.6	LQFP64(10*10)
CS32F116VBT8Q	M3	72	128K	20K	80	1	3	-	1	1/1	1	3	2	-	2	1	1	2(16)	-	-	Y	-	-40~125	Grade 1	2.0~3.6	LQFP100(14*14)

32位车规PD

Part No.	Core	Flash (Bytes)	SRAM (Bytes)	Load Switch Driver	Interface	ADC	DP/DM	Analog Mux	USB	Type-C Port Role	PD	Protocol	Operating Temp. (°C)	AEC-Q100	Supply Voltage (V)	Package
CS32G020K8U7QH	M0	64K	8K	PMOS*2ch	I2C/FB	12bit*24ch	2ch	-	-	DRP*2	PD3.1/PPS/QC4.0	QC/FCP/SCP/AFC	-40~105	Grade 2	2.2~5.5V	QFN32 (5*5)

快充

Part No.	Memory	Load Switch Driver	Interface	ADC	DP/DM	Analog Mux	USB	Type-C Port Role	PD	Protocol	Operating Temp. (°C)	Supply Voltage (V)	Package	Application
CS32G051KC06	256KB Flash	-	I2C	12bit*8ch	1ch	SUB/USB2.0	1	DRP*2	PD3.1/PPS/QC4.0	QC/FCP/SCP/AFC/UFCS	-40~85	2.2~5.5V	QFN32	PC、Monitor
CPW3101AY	32KB Flash	-	I2C	-	1ch	-	-	-	-	UFCS	-40~85	2.2~5.5V	WLCSP8	Smart Phone
CPW3301UE	64KB Flash	NMOS*1ch	I2C/FB	12bit*3ch	2ch	-	-	DFP*2	PD3.1/PPS/QC4.0	QC/FCP/SCP/AFC/UFCS	-40~105	3.0~25V	QFN24	Charger
CSU3AF10-QFN28	64KB Flash	-	I2C	12bit*17ch	4ch	-	-	DRP*2	PD3.1/PPS/QC4.0	QC/FCP/SCP/AFC/UFCS	-40~105	2.2~5.5V	QFN28	Monitor、Power Bank
CS32G020K8U6	64KB Flash	PMOS*2ch	I2C/FB	12bit*24ch	2ch	-	-	DRP*2	PD3.1/PPS/QC4.0	QC/FCP/SCP/AFC	-40~85	2.2~5.5V	QFN32	Monitor、HUB、Power Bank、Sound
CS32G020E8U6	64KB Flash	PMOS*2ch	I2C/FB	12bit*24ch	2ch	-	-	DFP*2	PD3.1/PPS/QC4.0	QC/FCP/SCP/AFC	-40~85	2.2~5.5V	QFN24	Charger
CS32G021K8U6	64KB Flash	PMOS*2ch	I2C/FB	12bit*24ch	2ch	-	-	DRP*2	PD3.1/PPS/QC4.0	QC/FCP/SCP/AFC/VOOC	-40~85	2.2~5.5V	QFN32	Monitor、HUB、Power Bank、Sound
CS32G021E8U6	64KB Flash	PMOS*2ch	I2C/FB	12bit*24ch	2ch	-	-	DFP*2	PD3.1/PPS/QC4.0	QC/FCP/SCP/AFC/VOOC	-40~85	2.2~5.5V	QFN24	Charger
CSS34PB16-SOP8	8KB OTP	-	I2C	12bit*4ch	-	-	-	DRP*2	PD2.0	-	-40~85	2.2~5.5V	SOP8	Wireless TX
CSS34P16B-SOP14	8KB OTP	-	I2C	12bit*6ch	-	-	-	DRP*2	PD2.0	-	-40~85	2.2~5.5V	SOP14	Charger、Wireless TX
CSS34P16B-SSOP16	8KB OTP	-	I2C	12bit*6ch	-	-	-	DRP*2	PD2.0	-	-40~85	2.2~5.5V	SSOP16	Charger、Wireless TX
CSS34P16B-SSOP20	8KB OTP	-	I2C	12bit*8ch	-	-	-	DRP*2	PD2.0	-	-40~85	2.2~5.5V	SSOP20	Charger、Wireless TX

电池管理

Part No.	Battery chemistry	Number of series cells	Memory(KB)	Interface	Implementation	Features	Supply Voltage/V	Operating temperature range (C)	Package
CBM8560	Li-Ion	1	Flash 60+SRAM 4	I2C,SWC	Pack	Gas Gauge Solution,SHA-256	2.1~5.5	-40 to 85	WLCSP12
CBM6560	Li-Ion	1	-	I2C,SWC	Pack	Gas Gauge Solution,SHA-256	2.1~5.5	-40 to 85	WLCSP12
CBM8581	Li-Ion	2~4	Flash 256+SRAM 24	I2C\SPI\SMBUS\UART	Pack	Balancing, Integrated Protector,SHA1/2/3,SECP, SM2	2.2~26	-40 to 85	QFN32
CBM8580	Li-Ion	2~5	Flash 256+SRAM 24	I2C\SPI\SMBUS\UART	Pack	Balancing, Integrated Protector,SHA1/2/3,SECP, SM2	2.2~26	-40 to 85	QFN32

传感器调理

Part No.	ENOB	ADC Channel	Touch Channel	Flash(Bytes)	SRAM(Bytes)	GPIO	I2C	UART	Operating Temp.(°C)	Supply Voltage (V)	Package
CDS8711-QFN32	13Bit@inputsignal=1KHz	9	-	60K	12K	14	Y	Y	-40~85	2.4~5.5	QFN32 (4*4)
CDS8712-QFN24	13Bit@inputsignal=1KHz	6	12	60K	16K	8	Y	Y	-40~85	2.4~5.5	QFN24 (4*4)
CDS1181A0M6	20Bit @PGA1 , 15Hz	2	-	1K	128	5	-	-	-40~85	2.4~3.6	SOP8
CDS1282A1M6	20Bit @PGA1 , 15Hz	2	-	2K	256	5	-	-	-40~85	2.4~3.6	SOP8
CDS1883L3Y6	19.5Bit @PGA128 , 30Hz	1	-	8K	488	6	-	Y	-40~85	2.4~5.5	WLCSP16 1.44*1.43*0.35

高性能模拟SoC

Part No.	Core	Freq./MHz	Flash/Bytes	SRAM/Bytes	IO	16bit GP Timer	16bit LP Timer	FWD/WWDT	HXT/LXT/HRC/LRC	RTC	USART/UART	SPI	I2S/I2C	24bit ADC	12bit ADC	12bit DAC	IEXC/VEXC	OPA	PMOS	LED DRIVER	LCD DRIVER	Temp Sensor	VBAT	Operating Temp./°C	Supply Voltage/V	Package
CS32A010K8V6T	M0	24	64K	8K	20	1	1	1/1	1/1/1/1	1	2	1	0/1	1	-	1	2/1	Y	-	Y	-	Y	Y	-40~85	2.0~5.5	QFN32
CS32A010R8R6E	M0	24	64K	8K	17	1	1	1/1	1/1/1/1	1	2	1	0/1	1	-		2/1	Y	1	Y	4*32 6*30	Y		-40~85	2.4~5.2	LQFP64
CS32A010K8V7ET	M0	24	64K	8K	20	1	1	1/1	1/1/1/1	1	2	1	0/1	1	-	1	2/1	Y	-	Y	-	Y	Y	-40~105	2.0~5.5	QFN32
CS32A010K8V8ET	M0	24	64K	8K	20	1	1	1/1	1/1/1/1	1	2	1	0/1	1	-	1	2/1	Y	-	Y	-	Y	Y	-40~125	2.0~5.5	QFN32
CS32A011K8V6T	M0	24	64K	8K	20	1	1	1/1	1/1/1/1	1	2	1	0/1	1	-	1		Y	-	Y	-	Y	Y	-40~85	2.0~5.5	QFN32
CS32A011K8V7ET	M0	24	64K	8K	20	1	1	1/1	1/1/1/1	1	2	1	0/1	1	-	1		Y	-	Y	-	Y	Y	-40~105	2.0~5.5	QFN32
CS32A011K8V8ET	M0	24	64K	8K	20	1	1	1/1	1/1/1/1	1	2	1	0/1	1	-	1		Y	-	Y	-	Y	Y	-40~125	2.0~5.5	QFN32
CS32A039R8T6	M0	48	64K	8K	39	5	-	1/1	1/1/1/1	1	5	2	1/2	1	1	-	0/1	-	-	-	-	Y	Y	-40~85	2.0~3.6	LQFP64

Force Touch SoC

Part No.	Force Channel	Touch Channel	Flash(Bytes)	SRAM(Bytes)	I2C	UART	Operating Temp.(°C)	Supply Voltage(V)	Package
CSA37F72-WLCSP24	6	12	60K	16K	Y	Y	-40~85	2.4~5.5	WLCSP24 1.81*2.21*0.34mm
CSA37F71-WLCSP36	10	-	60K	12K	Y	Y	-40~85	2.4~5.5	WLCSP36 2.21*2.41*0.34mm
CSA37F70-WLCSP56	18	24	60K	24K	Y	Y	-40~85	2.4~5.5	WLCSP56 2.71*3.22*0.34mm
CSA37F62-LQFP48	8	-	60K	16K	Y	Y	-40~85	2.4~5.5	LQFP48 7*7*1.4mm
CSA37F60-WLCSP40	15	-	60K	16K	Y	Y	-40~85	2.4~5.5	WLCSP40 3.32*2.60*0.34mm
CSA37F60-QFN40	9	-	60K	16K	Y	Y	-40~85	2.4~5.5	QFN40 5.0*5.0*0.55mm
CSA37F51-WLCSP42	8	-	60K	16K	Y	Y	-40~85	2.4~5.5	WLCSP42 2.290*2.625*0.340mm
CSU18M68-WLCSP16	2	-	8K	488	Y	Y	-40~85	2.4~3.6	WLCSP16 1.45*1.46*0.34mm
CSU18M68-QFN16	2	-	8K	488	Y	Y	-40~85	2.4~3.6	QFN16 3.0*3.0*0.75mm
CSU18M69-WLCSP16	1	-	8K	488	Y	Y	-40~85	2.4~3.6	WLCSP16 1.45*1.46*0.34mm
CSU18M65-WLCSP16	2	-	8K	896	Y	Y	-40~85	2.4~3.6	WLCSP16 1.82*1.91*0.34mm
CSU18M63-QFN16	2	-	8K	896	Y	Y	-40~85	2.4~3.6	QFN16 4.0*4.0*0.75mm

健康测量 SoC

Part No.	Memory Type	ROM	RAM	EEPROM	I/O	Timer (8-Bit)	Timer (12-Bit)	Timer (16-Bit)	RTC	PWM	UART	SPI	I2C	LCD	LED	Temp. Sensor	LVD	ADC (Ch*Bit)	Comp./OPA	Oscillation Mode	Special Function	Operating Temp.(°C)	Supply Voltage (V)	Package
CSU8RP1186	OTP	4K*16	256	-	14	1	-	-	-	-	1	-	-	4*14	-	Y	Y	1*24	0/1	IRC	-	-40~85	2.4~3.6	Die38
CSU8RP1186B-BD	OTP	4K*16	256	-	14	1	-	-	-	-	1	-	-	4*14	-	Y	Y	1*24	0/1	IRC/XT	-	-40~85	2.4~3.6	Die38
CSU8RP1001B	OTP	4K*16	256	-	15/14	1	-	-	-	-	-	-	-	4*14	-	Y	Y	2*24	0/1	IRC/XT	-	-40~85	2.4~3.6	Die52
CSU1181B	OTP	4K*16	256	-	16	1	-	-	-	-	-	-	-	4*18	-	Y	Y	2*24	0/1	IRC/XT	-	-40~85	2.4~3.6	Die46
CSU1182B	OTP	2.5K*16	256	-	16	1	-	-	-	-	-	-	-	4*18	-	Y	Y	2*24	0/1	IRC/XT	-	-40~85	2.4~3.6	Die46
CSU8RP1391-BD	OTP	8K*16	384	-	16	2	-	2	-	3	1	-	-	4*32 6*30	-	Y	Y	2*24	0/2	IRC/XT	-	-40~85	2.4~3.6	Die68
CSU8RP1381-BD	OTP	8K*16	384	-	16	2	-	2	-	3	1	-	-	4*32 6*30	-	Y	Y	2*24	0/1	IRC/XT	-	-40~85	2.4~3.6	Die68
CSU8RP1382D-BD	OTP	4K*16	384	-	12	2	-	2	-	3	1	-	-	4*20 6*18	-	Y	Y	2*24	0/1	IRC/XT	-	-40~85	2.4~3.6	Die68
CSU18MB86-SOP16	MTP	8K*16	488	128	10	2	-	-	-	-	-	-	-	-	7*8	Y	Y	1*24 1*10	0/1	IRC	-	-40~85	2.4~3.6	SOP16
CSU18MB86-SSOP20	MTP	8K*16	488	128	11	2	-	-	-	-	1	-	-	-	7*8	Y	Y	1*24 1*10	0/1	IRC	-	-40~85	2.4~3.6	SSOP20
CSU18MB86-SSOP24	MTP	8K*16	488	128	15	2	-	-	Y	1	1	-	-	-	7*8	Y	Y	1*24 1*10	0/1	IRC/XT	-	-40~85	2.4~3.6	SSOP24
CSU18M88-LQFP48	MTP	8K*16	896	128	37	4	-	-	Y	3	2	1M/S	1(S)	4*20 6*18	-	Y	Y	1*24 8*10	0/1	IRC/XT	-	-40~85	2.4~3.6	LQFP48(7*7)
CSU18M91-LQFP48	MTP	8K*16	896	128	21	4	-	-	Y	1	1	1M/S	1(S)	4*18 6*16	4*14	Y	Y	1*24 3*10	0/1	IRC/XT	BIM MDU HRI	-40~85	2.4~3.6	LQFP48(7*7)
CSU18M91-LQFP64	MTP	8K*16	896	128	31	4	-	-	Y	3	2	1M/S	1(S)	4*24 6*22	4*14	Y	Y	1*24 6*10	0/1	IRC/XT	BIM MDU HRI	-40~85	2.4~3.6	LQFP64(7*7)
CSU18M92-LQFP48	MTP	8K*16	896	128	21	4	-	-	Y	1	1	1M/S	1(S)	4*18 6*16	4*14	Y	Y	1*24 3*10	0/1	IRC/XT	BIM MDU	-40~85	2.4~3.6	LQFP48(7*7)
CSU18MD92	MTP	8K*16	896	128	31	4	-	-	Y	3	2	1M/S	1(S)	4*24 6*22	4*14	Y	Y	1*24 6*10	0/1	IRC/XT	BIM MDU	-40~85	2.4~3.6	Die68
CSU18PD88	OTP	8K*16	488	-	24	1	1	-	Y	-	1	-	-	4*12 4*16	7*8	Y	Y	1*24	0/0	IRC/XT	-	-40~85	2.4~5.5	Die40
CSU18P88-SOP16	OTP	8K*16	488	-	10	1	1	-	Y	-	1	-	-	-	7*6	Y	Y	1*24	0/0	IRC/XT	-	-40~85	2.4~5.5	SOP16
CSU18P88-SSOP24	OTP	8K*16	488	-	15	1	1	-	Y	-	1	-	-	-	7*8	Y	Y	1*24	0/0	IRC/XT	-	-40~85	2.4~5.5	TSOP24
CSU18P88-QFN32	OTP	8K*16	488	-	21	1	1	-	Y	-	1	-	-	4*12 4*16	7*8	Y	Y	1*24	0/0	IRC/XT	-	-40~85	2.4~5.5	QFN32(4*4)

Sigma-Delta ADC

Part No.	ENOB(Bits)	CH	INL(ppm)	AD Rate (Hz)	PGA	Interface	Power(mA)	Supply Voltage(V)	Package
CS1232-TS	23.5	2	±6	10/80	1/2/64/128	2 lineSPI	3.4	2.8~5.5	TSSOP24
CS1243	22	4	±15	1.875/3.75/7.5/15/30	1/2/4/8/16/32/64/128	5 lineSPI	2.4	2.7~5.25	SSOP28
CS1242	22	2	±15	1.875/3.75/7.5/15/30	1/2/4/8/16/32/64/128	5 lineSPI	2.4	2.7~5.25	SSOP24
CS1242-TSSOP16	22	2	±15	1.875/3.75/7.5/15/30	1/2/4/8/16/32/64/128	5 lineSPI	2.4	2.7~5.25	TSSOP16
CS1231-SO	21.2	1	±6	10/80	64/128	2 lineSPI	3.4	2.8~5.5	SOP16
CS1231-TS	21.2	1	±6	10/80	64/128	2 lineSPI	3.4	2.8~5.5	TSSOP16
CS1238-SO	20.7	2	±15	10/40/640/1280	1/2/64/128	2 line Serial IO	2.5	2.7~5.5	SOP14
CS1238-QFN16	20.7	2	±15	10/40/640/1280	1/2/64/128	2 line Serial IO	2.5	2.7~5.5	QFN16 (3*3)
CS1237-SO	20	1	±15	10/40/640/1280	1/2/64/128	2 line Serial IO	2.5	2.7~5.5	SOP8
CS1233-SOP14	19.5	3	±15	10Hz~1.28kHz	1/2/4/8/16/32/64/128	3 line Serial IO	1.5	2.4~3.6	SOP14
CS1239-SOP16	19.5	5	±15	10Hz~1.28kHz	1/2/4/8/16/32/64/128	3 line Serial IO	1.5	2.4~3.6	SOP16
CS1259B-SOP16	19.5	5	±15	10Hz~1.28kHz	1/2/4/8/16/32/64/128	3 line Serial IO	1.5	2.4~3.6	SOP16
CS1239-QFN16	19.5	5	±15	10Hz~1.28kHz	1/2/4/8/16/32/64/128	3 line Serial IO	1.5	2.4~3.6	QFN16(3*3)
CS1180	19	1	±15	1.875/3.75/7.5/15/30	1/2/4/8/16/32/64/128	5 line SPI	2.4	2.7~5.25	SSOP16
CS1180S	19	1	±15	1.875/3.75/7.5/15/30	1/2/4/8/16/32/64/128	5 line SPI	2.4	2.7~5.25	SOP16
CS1247B	23	6	±8	2.5Hz~8kHz	1/2/4/8/16/32/64/128	3 line SPI	3.7	2.7~5.5	LQFP32, SSOP24

SAR ADC

Part No.	Resolution/Bits	CH	INL/LSB max	Data Rate/kSPS	Input Range/V	Supply Voltage/V	Temperature range/°C	Package
CS8688	16	8	±2	500/600	±12, ±5	4.75~5.5	-40 to 125	TSSOP38
CS8684	16	4	±2	500	±12, ±5	4.75~5.5	-40 to 125	TSSOP38

低功耗蓝牙

Part No.	Core	Max Freq. MHz	Flash	SRAM	I/O	Timer (24-bit)	SysTick	FWDT/WWDT	RTC	PWM	UART	SPI	I2S	I2C	ADC CHs*bits	Comp./OPA	Temp. Sensor	BLE	RX Sensi.	TX Power	Max. Speed	TX (mA)	RX (mA)	Sleep (µA)	Security	Operating Temp.(°C)	Supply Voltage(V)	Package
CST92P23B-SOP8	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-88dBm	-18~0dBm (-16~0dBm)	1Mbps	18.5	19.5	4	-	-40~85	1.8~3.6	SOP8
CST92F30-QFN32	M0	48	512K	138K	20	8	1	1/0	1	6	1	2	-	2	3*12	0/1	-	5	-97dBm	-20~10dBm	1Mbps (2Mbps)	8	8	2	AES-128	-40~105	1.8~3.6	QFN32(4*4)
CST92F30-QFN48	M0	48	512K	138K	34	8	1	1/0	1	6	1	2	-	2	6*12	0/1	-	5	-97dBm	-20~10dBm	1Mbps (2Mbps)	8	8	2	AES-128	-40~105	1.8~3.6	QFN48(5*5)
CST92F32-QFN32	M0	48	512K	96K	20	8	1	1/0	1	6	1	2	-	2	3*12	0/1	-	5	-97dBm	-20~10dBm	1Mbps (2Mbps)	8	8	2	AES-128	-40~85	1.8~3.6	QFN32(4*4)
CST92F25-QFN32	M0	64	512K	64K	20	6	1	1/0	1	6	2	2	-	2	6*12	-	-	5	-93dBm	-20~5dBm	1Mbps (2Mbps)	5.5	5	13	AES-128	-40~105	1.9~3.6	QFN32(4*4)

体脂测量 AFE

IC Part No.	Resolution(Bits)	AD Rate (Hz)	ADC Input(Single)	PGA	DAC(Bits)	Tetra-Polar	Dynamic Range	Interface	Special Function	Operating Temp.(°C)	Supply Voltage(V)	Package
CS1251-SOP16	24	10Hz~1.28kHz	1	1/2/4/8/16 /32/64/128/256	6	4	0~2*Rlimit	3 line SerialIO	HR	-40~85	2.4~3.6	SOP16
CS1256-SOP16	24	10Hz~1.28kHz	1	1/2/4/8/16 /32/64/128/256	6	4	0~2*Rlimit	3 line SerialIO	-	-40~85	2.4~3.6	SOP16
CS1256-QFN16	24	10Hz~1.28kHz	1	1/2/4/8/16 /32/64/128/256	6	4	0~2*Rlimit	3 line SerialIO	-	-40~85	2.4~3.6	QFN16(4*4)
CS1259-QFN32	24	10Hz~1.28kHz	5	1/2/4/8/16 /32/64/128/256	6	8	0~2*Rlimit	3 line SerialIO	HR	-40~85	2.4~3.6	QFN32(4*4)

穿戴体脂测量 AFE

IC Part No.	Resolution(Bits)	AD Rate (Hz)	ADC Input(Single)	PGA	DAC(Bits)	Tetra-Polar	Dynamic Range	Interface	Special Function	Operating Temp.(°C)	Supply Voltage(V)	Package
CS1253FY6	24	10Hz~1.28kHz	1	1/2/4/8/16 /32/64/128/256	6	4	0~2*Rlimit	SPI/I2C	Contact Resistor Measure	-40~85	2.4~3.6	WLCSP20
CS1253EU6	24	10Hz~1.28kHz	1	1/2/4/8/16 /32/64/128/256	6	4	0~2*Rlimit	SPI/I2C	-	-40~85	2.4~3.6	QFN24

穿戴PPG测量 AFE

IC Part No.	ADC CHs*bits	SNR (dB)	Frame Frequency	AFE Power (1CH)		RX (Differential)	TX	LED Driver CHs	LED Driver Max Current (mA)	Ambient light Cancellation	FIFO (words)	Interface	Special Function	Operating Temp.(°C)	Supply Voltage(V)	Package
				Run	Wear-detect											
CS1262HY6RJ	4*22	110	1Hz~1kHz	54uA@100Hz	13uA@5Hz	4	8	2	250	Analog: ±200uA Digital: 2-Phase	800	SPI/I2C	LED OC Protect SPI CRC Check	-30~85	2.4~3.6	WLCSP42 (2.65*2.96)

称重 AFE

IC Part No.	Resolution(Bits)	AD Rate (Hz)	ADC Input	PGA	DAC(Bits)	Tetra-Polar	Dynamic Range	Interface	Special Function	VDD(V)	Package
CS1270	24	30	-	64	-	-	-	SPI/I2C/UART	-	2.4~3.6	SOP16

电能计量AFE

IC Part No.	Dynamic Range	Power				Voltage			Current			Interface	Special Function	Operating Temp.(°C)	Supply Voltage (V)	Package
		Channels	Active Power	Apparent Power	Power Factor	Channels	Valid Value	Istantaneous Value	Channels	Valid Value	Instantaneous Value					
CSE7759B	1000:1	1	Y	-	-	1	Y	-	1	Y	-	UART	-	-40~85	4.5~5.5	SOP8
CSE7759	1000:1	1	Y	-	-	1	Y	-	1	Y	-	IO	-	-40~85	4.5~5.5	SOP8
CSE7761-SSOP16	5000:1	2	Y	Y	Y	1	Y	Y	2	Y	Y	UART/SPI	Leakage Detection	-40~85	3.0~3.6/4.5~5.5	SSOP16

商用八电极模组

Module Part No.	Function	Number of electrodes	Frequency of excitation	Interface	Special Function	Operating Temp.(°C)	Supply Voltage(V)	Package	Medical Certification
CSHC69T60-C8	Weighing measurement Body fat measurement Heart rate measurement	8	10kHz/50kHz/250kHz	UART(TTL)	Body composition algorithm	0~40	3.6V~6.5V	151.9*80*29.1mm	Support for EMC Testing and Safety Testing

家用八电极模组

Module Part No.	Function	Number of electrodes	Frequency of excitation	Interface	Special Function	Operating Temp.(°C)	Supply Voltage(V)	Package
CSM37F70	Weighing measurement Body fat measurement Heart rate measurement	8	25KHz/100KHz	UART/SPI	Body composition algorithm	0~40	3.6V~6.5V	41*30*3.05mm



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