Part Number	Status	Frequency (MHz)	LCD Segments	RAM	Flash	ROM	GPIO	ADC	Other Integrated Peripherals	Timers	Interface	End Equipment Optimized	Temp Sensor	Brown Out Reset	Pin/Package	Approx. Price (US$)	Description
MSP430C412	ACTIVE	8	96	256 B		4 KB	48	Slope	Analog Comparator , SVS	1 16-bit (3CCR) , 1 Watchdog/Interval	Timer UART			Yes			16-bit Ultra-Low-Power Microcontroller, 4kB ROM, 256B RAM, 96 segment LCD
MSP430C413	ACTIVE	8	96	256 B		8 KB	48	Slope	Analog Comparator , SVS	1 16-bit (3CCR) , 1 Watchdog/Interval	Timer UART			Yes			16-bit Ultra-Low-Power Microcontroller, 8kB ROM, 256B RAM, 96 segment LCD
MSP430CG4616	ACTIVE	8	160	4 KB		92 KB	80	12-bit SAR	2 DAC 12 , 3 Op Amp , Analog Comparator , DMA , Hardware Multiplier , SVS	1 16-bit (3CCR) , 1 16-bit (7CCR) , 1 Watchdog/Interval , 2 8-bit	1 USART (SPI or UART) , 1 USCI_A (UART/LIN/IrDA/SPI) , 1 USCI_B (I2C/SPI)	Portable Medical	Yes	Yes			16-Bit Ultra-Low-Power MCU, 92KB ROM, 4KB RAM, 12-Bit ADC, Dual DAC, DMA, 3 OPAMP, 160 Seg LCD
MSP430CG4617	ACTIVE	8	160	8 KB		92 KB	80	12-bit SAR	2 DAC 12 , 3 Op Amp , Analog Comparator , DMA , Hardware Multiplier , SVS	1 16-bit (3CCR) , 1 16-bit (7CCR) , 1 Watchdog/Interval , 2 8-bit	1 USART (SPI or UART) , 1 USCI_A (UART/LIN/IrDA/SPI) , 1 USCI_B (I2C/SPI)	Portable Medical	Yes	Yes			16-Bit Ultra-Low-Power MCU, 92KB ROM, 8KB RAM, 12-Bit ADC, Dual DAC, DMA, 3 OPAMP, 160 Seg LCD
MSP430CG4618	ACTIVE	8	160	8 KB		116 KB	80	12-bit SAR	2 DAC 12 , 3 Op Amp , Analog Comparator , DMA , Hardware Multiplier , SVS	1 16-bit (3CCR) , 1 16-bit (7CCR) , 1 Watchdog/Interval , 2 8-bit	1 USART (SPI or UART) , 1 USCI_A (UART/LIN/IrDA/SPI) , 1 USCI_B (I2C/SPI)	Portable Medical	Yes	Yes			16-Bit Ultra-Low-Power MCU, 116KB ROM, 8KB RAM, 12-Bit ADC, Dual DAC, DMA, 3 OPAMP, 160 Seg LCD
MSP430CG4619	ACTIVE	8	160	4 KB		120 KB	80	12-bit SAR	2 DAC 12 , 3 Op Amp , Analog Comparator , DMA , Hardware Multiplier , SVS	1 16-bit (3CCR) , 1 16-bit (7CCR) , 1 Watchdog/Interval , 2 8-bit	1 USART (SPI or UART) , 1 USCI_A (UART/LIN/IrDA/SPI) , 1 USCI_B (I2C/SPI)	Portable Medical	Yes	Yes			16-Bit Ultra-Low-Power MCU, 120KB ROM, 4KB RAM, 12-Bit ADC, Dual DAC, DMA, 3 OPAMP, 160 Seg LCD
MSP430F412	ACTIVE	8	96	256 B	4 KB		48	Slope	Analog Comparator , SVS	1 16-bit (3CCR) , 1 Watchdog/Interval , 2 8-bit	Timer UART			Yes	64LQFP, 64VQFN	1.55 | 1ku	16-Bit Ultra-Low-Power Microcontroller, 4kB Flash, 256B RAM, Comparator, 96 segment LCD
MSP430F413	ACTIVE	8	96	256 B	8 KB		48	Slope	Analog Comparator , SVS	1 16-bit (3CCR) , 1 Watchdog/Interval , 2 8-bit	Timer UART			Yes	64LQFP, 64VQFN	1.60 | 1ku	16-Bit Ultra-Low-Power Microcontroller, 8kB Flash, 256B RAM, Comparator, 96 segment LCD
MSP430F4132	ACTIVE	8	144		8 KB		56	10-bit SAR	2 USCI Modules , Analog Comparator , Digitally Controlled Ocillator	1 16-bit (3CCR) , 1 16-bit (5CCR) , 1 16-bit (7CCR) , 1 Watchdog , RTC	1 USCI_A (UART/LIN/IrDA/SPI) , 1 USCI_B (I2C/SPI)				48VQFN, 64LQFP	1.65 | 1ku	16-Bit Ultra-Low-Power MCU, 16KB Flash, 512B RAM, 10-bit ADC, USCI, Analog Comp, 56 I/Os, LCD Driver
MSP430F415	ACTIVE	8	96	512 B	16 KB		48	Slope	Analog Comparator , SVS	1 16-bit (3CCR) , 1 16-bit (5CCR) , 1 Watchdog/Interval , 2 8-bit	Timer UART			Yes	64LQFP, 64VQFN	1.80 | 1ku	16-Bit Ultra-Low-Power Microcontroller, 16kB Flash, 512B RAM, Comparator, 96 Segment LCD
MSP430F4152	ACTIVE	8	144		16 KB		56	10-bit SAR	2 USCI Modules , Analog Comparator , Digitally Controlled Ocillator	1 16-bit (3CCR) , 1 16-bit (5CCR) , 1 16-bit (7CCR) , 1 Watchdog , RTC	1 USCI_A (UART/LIN/IrDA/SPI) , 1 USCI_B (I2C/SPI)				48VQFN, 64LQFP	1.85 | 1ku	16-Bit Ultra-Low-Power MCU, 16KB Flash, 512B RAM, 10-bit ADC, USCI, Analog Comp, 56 I/Os, LCD Driver
MSP430F417	ACTIVE	8	96	1 KB	32 KB		48	Slope	Analog Comparator , SVS	1 16-bit (3CCR) , 1 16-bit (5CCR) , 1 Watchdog/Interval , 2 8-bit	Timer UART			Yes	64LQFP, 64VQFN	2.10 | 1ku	16-Bit Ultra-Low-Power Microcontroller, 32kB Flash, 1kB RAM, Comparator, 96 Segment LCD
MSP430F423	ACTIVE	8	128	256 B	8 KB		14	16-bit Sigma Delta	Hardware Multiplier , SVS	1 16-bit (3CCR) , 1 Watchdog/Interval , 2 8-bit	1 USART (SPI or UART)		Yes	Yes	64LQFP	4.05 | 1ku	16-bit Ultra-Low-Power Microcontroller , 8KB Flash, 256B RAM, Sigma-Delta ADC, 128 Seg LCD
MSP430F423A	ACTIVE	8	128	256 B	8 KB		14	16-bit Sigma Delta	Hardware Multiplier , SVS	1 16-bit (3CCR) , 1 Watchdog/Interval , 2 8-bit	1 USART (SPI or UART)		Yes	Yes	64LQFP	4.05 | 1ku	16-bit Ultra-Low-Power Microcontroller, 8KB Flash, 256B RAM, Sigma-Delta ADC, 128 Seg LCD
MSP430F425	ACTIVE	8	128	512 B	16 KB		14	16-bit Sigma Delta	Hardware Multiplier , SVS	1 16-bit (3CCR) , 1 Watchdog/Interval , 2 8-bit	1 USART (SPI or UART)		Yes	Yes	64LQFP	4.55 | 1ku	16-bit Ultra-Low-Power Microcontroller, 16KB Flash, 512B RAM, Sigma-Delta ADC, 128 Seg LCD
MSP430F4250	ACTIVE	8	56	256 B	16 KB		32	16-bit Sigma Delta	DAC12	1 16-bit (3CCR) , 1 Watchdog/Interval	Timer UART	Portable Medical	Yes	Yes	48SSOP, 48VQFN	3.05 | 1ku	16-Bit Ultra-Low-Power MCU, 16kB Flash, 256B RAM, 16-bit Sigma-Delta A/D, 12-bit D/A, LCD Driver
MSP430F425A	ACTIVE	8	128	512 B	16 KB		14	16-bit Sigma Delta	Hardware Multiplier , SVS	1 16-bit (3CCR) , 1 Watchdog/Interval , 2 8-bit	1 USART (SPI or UART)		Yes	Yes	64LQFP	3.65 | 1ku	16-bit Ultra-Low-Power Microcontroller, 16KB Flash, 512B RAM, Sigma-Delta ADC, 128 Seg LCD
MSP430F4260	ACTIVE	8	56	256 B	24 KB		32	16-bit Sigma Delta	DAC12	1 16-bit (3CCR) , 1 Watchdog/Interval	Timer UART	Portable Medical	Yes	Yes	48SSOP, 48VQFN	3.40 | 1ku	16-Bit Ultra-Low-Power MCU, 24kB Flash, 256B RAM, 16-bit Sigma-Delta A/D, 12-bit D/A, LCD Driver
MSP430F427	ACTIVE	8	128	1 KB	32 KB		14	16-bit Sigma Delta	Hardware Multiplier , SVS	1 16-bit (3CCR) , 1 Watchdog/Interval , 2 8-bit	1 USART (SPI or UART)		Yes	Yes	64LQFP	4.80 | 1ku	16-bit Ultra-Low-Power Microcontroller, 32KB Flash, 1KB RAM, Sigma-Delta ADC, 128 Seg LCD
MSP430F4270	ACTIVE	8	56	256 B	32 KB		32	16-bit Sigma Delta	DAC12	1 16-bit (3CCR) , 1 Watchdog/Interval	Timer UART	Portable Medical	Yes	Yes	48SSOP, 48VQFN	3.65 | 1ku	16-Bit Ultra-Low-Power MCU, 32kB Flash, 256B RAM, 16-bit sigma Delta A/D, 12-bit D/A, LCD Driver
MSP430F427A	ACTIVE	8	128	1 KB	32 KB		14	16-bit Sigma Delta	Hardware Multiplier , SVS	1 16-bit (3CCR) , 1 Watchdog/Interval , 2 8-bit	1 USART (SPI or UART)		Yes	Yes	64LQFP	4.80 | 1ku	16-bit Ultra-Low-Power Microcontroller, 32KB Flash, 1KB RAM, Sigma-Delta ADC, 128 Seg LCD
MSP430F435	ACTIVE	8	128, 160	512 B	16 KB		48	12-bit SAR	Analog Comparator , SVS	1 Watchdog/Interval , 2 16-bit (3CCR) , 2 8-bit	1 USART (SPI or UART)		Yes	Yes	100LQFP, 80LQFP	3.75 | 1ku	16-Bit Ultra-Low-Power Microcontroller, 16kB Flash, 512B RAM, 12-Bit ADC, USART, 160 Segment LCD
MSP430F4351	ACTIVE	8	128, 160	512 B	16 KB		48		Analog Comparator , SVS	1 Watchdog/Interval , 2 16-bit (3CCR) , 2 8-bit	1 USART (SPI or UART)		Yes	Yes	100LQFP, 80LQFP	2.90 | 1ku	16-Bit Ultra-Low-Power Microcontroller, 16kB Flash, 512B RAM, USART, 160 Segment LCD
MSP430F436	ACTIVE	8	128, 160	1 KB	24 KB		48	12-bit SAR	Analog Comparator , SVS	1 Watchdog/Interval , 2 16-bit (3CCR) , 2 8-bit	1 USART (SPI or UART)		Yes	Yes	100LQFP, 80LQFP	4.10 | 1ku	16-Bit Ultra-Low-Power Microcontroller, 24kB Flash, 1024B RAM, 12-Bit ADC, USART, 160 Segment LCD
MSP430F4361	ACTIVE	8	128, 160	1 KB	24 KB		48		Analog Comparator , SVS	1 Watchdog/Interval , 2 16-bit (3CCR) , 2 8-bit	1 USART (SPI or UART)		Yes	Yes	100LQFP, 80LQFP	3.85 | 1ku	16-Bit Ultra-Low-Power Microcontroller, 24kB Flash, 1024B RAM, USART, 160 Segment LCD
MSP430F437	ACTIVE	8	128, 160	1 KB	32 KB		48	12-bit SAR	Analog Comparator , SVS	1 Watchdog/Interval , 2 16-bit (3CCR) , 2 8-bit	1 USART (SPI or UART)		Yes	Yes	100LQFP, 80LQFP	4.30 | 1ku	16-Bit Ultra-Low-Power Microcontroller, 32kB Flash, 1024B RAM, 12-Bit ADC, USART, 160 Segment LCD
MSP430F4371	ACTIVE	8	128, 160	1 KB	32 KB		48		Analog Comparator , SVS	1 Watchdog/Interval , 2 16-bit (3CCR) , 2 8-bit	1 USART (SPI or UART)		Yes	Yes	100LQFP, 80LQFP	3.95 | 1ku	16-Bit Ultra-Low-Power Microcontroller, 32kB Flash, 1024B RAM, USART, 160 Segment LCD
MSP430F438	ACTIVE	8	128	2 KB	48 KB		48	12-bit SAR	2 DAC 12 , 3 Op Amp , Analog Comparator , DMA , SVS	1 Watchdog/Interval , 2 16-bit (3CCR) , 2 8-bit	1 USART (SPI or UART)	Portable Medical					MSP430F43x Mixed Signal Microcontroller
MSP430F439	ACTIVE	8	128	2 KB	60 KB		48	12-bit SAR	2 DAC 12 , 3 Op Amp , Analog Comparator , DMA , SVS	1 Watchdog/Interval , 2 16-bit (3CCR) , 2 8-bit	1 USART (SPI or UART)	Portable Medical					MSP430F43x Mixed Signal Microcontroller
MSP430F447	ACTIVE	8	160	1 KB	32 KB		48	12-bit SAR	Analog Comparator , Hardware Multiplier , SVS	1 16-bit (3CCR) , 1 16-bit (7CCR) , 1 Watchdog/Interval , 2 8-bit	2 USART (SPI or UART)		Yes	Yes	100LQFP	4.50 | 1ku	16-Bit Ultra-Low-Power MCU, 32kB Flash, 1024B RAM, 12-Bit ADC, 2 USARTs, HW Multiplier, 160 Seg LCD
MSP430F448	ACTIVE	8	160	2 KB	48 KB		48	12-bit SAR	Analog Comparator , Hardware Multiplier , SVS	1 16-bit (3CCR) , 1 16-bit (7CCR) , 1 Watchdog/Interval , 2 8-bit	2 USART (SPI or UART)		Yes	Yes	100LQFP	4.80 | 1ku	16-Bit Ultra-Low-Power MCU, 48kB Flash, 2048B RAM, 12-Bit ADC, 2 USARTs, HW Multiplier, 160 Seg LCD
MSP430F4481	ACTIVE	8	160	2 KB	48 KB		48		Analog Comparator , Hardware Multiplier , SVS	1 16-bit (3CCR) , 1 16-bit (7CCR) , 1 Watchdog/Interval , 2 8-bit	2 USART (SPI or UART)	Gas Meter	Yes	Yes	100LQFP	4.50 | 1ku	16-Bit Ultra-Low-Power MCU, 48kB Flash, 2048B RAM, Comparator, 2 USARTs, HW Multiplier, 160 Seg LCD
MSP430F449	ACTIVE	8	160	2 KB	60 KB		48	12-bit SAR	Analog Comparator , Hardware Multiplier , SVS	1 16-bit (3CCR) , 1 16-bit (7CCR) , 1 Watchdog/Interval , 2 8-bit	2 USART (SPI or UART)		Yes	Yes	100LQFP	5.15 | 1ku	16-Bit Ultra-Low-Power MCU, 60kB Flash, 2048B RAM, 12-Bit ADC, 2 USARTs HW Multiplier, 160 Seg LCD
MSP430F4491	ACTIVE	8	160	2 KB	60 KB		48		Analog Comparator , Hardware Multiplier , SVS	1 16-bit (3CCR) , 1 16-bit (7CCR) , 1 Watchdog/Interval , 2 8-bit	2 USART (SPI or UART)	Gas Meter	Yes	Yes	100LQFP	4.85 | 1ku	16-Bit Ultra-Low-Power MCU, 60kB Flash, 2048B RAM, Comparator, 2 USARTs, HW Multiplier, 160 Seg LCD
MSP430F4616	ACTIVE	8	160	4 KB	92 KB		80	12-bit SAR	Analog Comparator , DMA , Hardware Multiplier , SVS	1 16-bit (3CCR) , 1 16-bit (7CCR) , 1 Watchdog/Interval , 2 8-bit	1 USART (SPI or UART) , USCI (UART/LIN/IrDA/SPI and I2C/SPI)	Catalog	Yes	Yes	100LQFP	6.30 | 1ku	16-Bit Ultra-Low-Power MCU, 92KB Flash, 4KB RAM, 12-Bit ADC, DMA, 160 Seg LCD
MSP430F46161	ACTIVE	8	160	4 KB	92 KB		80		Analog Comparator , DMA , Hardware Multiplier , SVS	1 16-bit (3CCR) , 1 16-bit (7CCR) , 1 Watchdog/Interval , 2 8-bit	1 USART (SPI or UART) , USCI (UART/LIN/IrDA/SPI and I2C/SPI)	Gas Meter	Yes	Yes	100LQFP	5.40 | 1ku	16-Bit Ultra-Low-Power MCU, 92KB Flash, 4KB RAM, Comparator, DMA, 160 Seg LCD
MSP430F4617	ACTIVE	8	160	8 KB	92 KB		80	12-bit SAR	Analog Comparator , DMA , Hardware Multiplier , SVS	1 16-bit (3CCR) , 1 16-bit (7CCR) , 1 Watchdog/Interval , 2 8-bit	1 USART (SPI or UART) , USCI (UART/LIN/IrDA/SPI and I2C/SPI)	Catalog	Yes	Yes	100LQFP	6.70 | 1ku	16-Bit Ultra-Low-Power MCU, 92KB Flash, 8KB RAM, 12-Bit ADC, DMA, 160 Seg LCD
MSP430F46171	ACTIVE	8	160	8 KB	92 KB		80		Analog Comparator , DMA , Hardware Multiplier , SVS	1 16-bit (3CCR) , 1 16-bit (7CCR) , 1 Watchdog/Interval , 2 8-bit	1 USART (SPI or UART) , USCI (UART/LIN/IrDA/SPI and I2C/SPI)	Gas Meter	Yes	Yes	100LQFP	5.80 | 1ku	16-Bit Ultra-Low-Power MCU, 92KB Flash, 8KB RAM, Comparator, DMA, 160 Seg LCD
MSP430F4618	ACTIVE	8	160	8 KB	116 KB		80	12-bit SAR	Analog Comparator , DMA , Hardware Multiplier , SVS	1 16-bit (3CCR) , 1 16-bit (7CCR) , 1 Watchdog/Interval , 2 8-bit	1 USART (SPI or UART) , USCI (UART/LIN/IrDA/SPI and I2C/SPI)	Catalog	Yes	Yes	100LQFP	7.10 | 1ku	16-Bit Ultra-Low-Power MCU, 116KB Flash, 8KB RAM, 12-Bit ADC, DMA, 160 Seg LCD
MSP430F46181	ACTIVE	8	160	8 KB	116 KB		80		Analog Comparator , DMA , Hardware Multiplier , SVS	1 16-bit (3CCR) , 1 16-bit (7CCR) , 1 Watchdog/Interval , 2 8-bit	1 USART (SPI or UART) , USCI (UART/LIN/IrDA/SPI and I2C/SPI)	Gas Meter	Yes	Yes	100LQFP	6.20 | 1ku	16-Bit Ultra-Low-Power MCU, 116KB Flash, 8KB RAM, Comparator, DMA, 160 Seg LCD
MSP430F4619	ACTIVE	8	160	4 KB	120 KB		80	12-bit SAR	Analog Comparator , DMA , Hardware Multiplier , SVS	1 16-bit (3CCR) , 1 16-bit (7CCR) , 1 Watchdog/Interval , 2 8-bit	1 USART (SPI or UART) , USCI (UART/LIN/IrDA/SPI and I2C/SPI)	Catalog	Yes	Yes	100LQFP	6.70 | 1ku	16-Bit Ultra-Low-Power MCU, 120KB Flash, 4KB RAM, 12-Bit ADC, DMA, 160 Seg LCD
MSP430F46191	ACTIVE	8	160	4 KB	120 KB		80		Analog Comparator , DMA , Hardware Multiplier , SVS	1 16-bit (3CCR) , 1 16-bit (7CCR) , 1 Watchdog/Interval , 2 8-bit	1 USART (SPI or UART) , USCI (UART/LIN/IrDA/SPI and I2C/SPI)	Gas Meter	Yes	Yes	100LQFP	5.80 | 1ku	16-Bit Ultra-Low-Power MCU, 120KB Flash, 4KB RAM, Comparator, DMA, 160 Seg LCD
MSP430F47126	ACTIVE	16	160	4 KB	56 KB		72	6 16-bit Sigma Delta	Comparator , DMA , Hardware Multiplier , SVS	1 Watchdog/Interval , 2 16-bit (3CCR) , 2 8-bit	2 USCI (UART/IrDA/SPI and I2C/SPI)	Energy Meter	Yes	Yes	100LQFP	5.10 | 1ku	16-Bit Ultra-Low-Power Microcontroller, 56KB Flash, 4KB RAM, 6 Sigma-Delta ADCs, LCD Driver
MSP430F47127	ACTIVE	16	160	4 KB	56 KB		72	7 16-bit Sigma Delta	Comparator , DMA , Hardware Multiplier , SVS	1 Watchdog/Interval , 2 16-bit (3CCR) , 2 8-bit	2 USCI (UART/IrDA/SPI and I2C/SPI)	Energy Meter	Yes	Yes	100LQFP	5.20 | 1ku	16-Bit Ultra-Low-Power Microcontroller, 56KB Flash, 4KB RAM, 7 Sigma-Delta ADCs, LCD Driver
MSP430F47163	ACTIVE	16	160	4 KB	92 KB		72	3 16-bit Sigma Delta	Comparator , DMA , Hardware Multiplier , SVS	1 Watchdog/Interval , 2 16-bit (3CCR) , 2 8-bit	2 USCI (UART/IrDA/SPI and I2C/SPI)	Energy Meter	Yes	Yes	100LQFP	5.00 | 1ku	16-Bit Ultra-Low-Power Microcontroller, 92KB Flash, 4KB RAM, 3 Sigma-Delta ADCs, LCD Driver
MSP430F47166	ACTIVE	16	160	4 KB	92 KB		68	6 16-bit Sigma Delta	Comparator , DMA , Hardware Multiplier , SVS	1 Watchdog/Interval , 2 16-bit (3CCR) , 2 8-bit	2 USCI_A (UART/LIN/IrDA/SPI) , 2 USCI_B (I2C/SPI)	Energy Meter	Yes	Yes	100LQFP	5.70 | 1ku	16-Bit Ultra-Low-Power Microcontroller, 92KB Flash, 4KB RAM, 6 Sigma-Delta ADCs, LCD Driver
MSP430F47167	ACTIVE	16	160	4 KB	92 KB		68	7 16-bit Sigma Delta	Comparator , DMA , Hardware Multiplier , SVS	1 Watchdog/Interval , 2 16-bit (3CCR) , 2 8-bit	2 USCI_A (UART/LIN/IrDA/SPI) , 2 USCI_B (I2C/SPI)	Energy Meter	Yes	Yes	100LQFP	5.85 | 1ku	16-Bit Ultra-Low-Power Microcontroller, 92KB Flash, 4KB RAM, 7 Sigma-Delta ADCs, LCD Driver
MSP430F47173	ACTIVE	16	160	8 KB	92 KB		72	3 16-bit Sigma Delta	Comparator , DMA , Hardware Multiplier , SVS	1 Watchdog/Interval , 2 16-bit (3CCR) , 2 8-bit	2 USCI (UART/IrDA/SPI and I2C/SPI)	Energy Meter	Yes	Yes	100LQFP	5.10 | 1ku	16-Bit Ultra-Low-Power Microcontroller, 92KB Flash, 8KB RAM, 3 Sigma-Delta ADCs, LCD Driver
MSP430F47176	ACTIVE	16	160	8 KB	92 KB		68	6 16-bit Sigma Delta	Comparator , DMA , Hardware Multiplier , SVS	1 Watchdog/Interval , 2 16-bit (3CCR) , 2 8-bit	2 USCI_A (UART/LIN/IrDA/SPI) , 2 USCI_B (I2C/SPI)	Energy Meter	Yes	Yes	100LQFP	5.90 | 1ku	16-Bit Ultra-Low-Power Microcontroller, 92KB Flash, 8KB RAM, 6 Sigma-Delta ADCs, LCD Driver
MSP430F47177	ACTIVE	16	160	8 KB	92 KB		68	7 16-bit Sigma Delta	Comparator , DMA , Hardware Multiplier , SVS	1 Watchdog/Interval , 2 16-bit (3CCR) , 2 8-bit	2 USCI_A (UART/LIN/IrDA/SPI) , 2 USCI_B (I2C/SPI)	Energy Meter	Yes	Yes	100LQFP	6.05 | 1ku	16-Bit Ultra-Low-Power Microcontroller, 92KB Flash, 8KB RAM, 7 Sigma-Delta ADCs, LCD Driver
MSP430F47183	ACTIVE	16	160	8 KB	116 KB		72	3 16-bit Sigma Delta	Comparator , DMA , Hardware Multiplier , SVS	1 Watchdog/Interval , 2 16-bit (3CCR) , 2 8-bit	2 USCI (UART/IrDA/SPI and I2C/SPI)	Energy Meter	Yes	Yes	100LQFP	5.30 | 1ku	16-Bit Ultra-Low-Power Microcontroller, 116KB Flash, 8KB RAM, 3 Sigma-Delta ADCs, LCD Driver
MSP430F47186	ACTIVE	16	160	8 KB	116 KB		68	6 16-bit Sigma Delta	Comparator , DMA , Hardware Multiplier , SVS	1 Watchdog/Interval , 2 16-bit (3CCR) , 2 8-bit	2 USCI_A (UART/LIN/IrDA/SPI) , 2 USCI_B (I2C/SPI)	Energy Meter	Yes	Yes	100LQFP	7.40 | 1ku	16-Bit Ultra-Low-Power Microcontroller, 116KB Flash, 8KB RAM, 6 Sigma-Delta ADCs, LCD Driver

MSP430F47187	ACTIVE	16	160	8 KB	116 KB		68	7 16-bit Sigma Delta	Comparator , DMA , Hardware Multiplier , SVS	1 Watchdog/Interval , 2 16-bit (3CCR) , 2 8-bit	2 USCI_A (UART/LIN/IrDA/SPI) , 2 USCI_B (I2C/SPI)	Energy Meter	Yes	Yes	100LQFP	7.55 | 1ku	16-Bit Ultra-Low-Power Microcontroller, 116KB Flash, 8KB RAM, 7 Sigma-Delta ADCs, LCD Driver
MSP430F47193	ACTIVE	16	160	4 KB	120 KB		72	3 16-bit Sigma Delta	Comparator , DMA , Hardware Multiplier , SVS	1 Watchdog/Interval , 2 16-bit (3CCR) , 2 8-bit	2 USCI (UART/IrDA/SPI and I2C/SPI)	Energy Meter	Yes	Yes	100LQFP	5.50 | 1ku	16-Bit Ultra-Low-Power Microcontroller, 120KB Flash, 4KB RAM, 3 Sigma-Delta ADCs, LCD Driver
MSP430F47196	ACTIVE	16	160	4 KB	120 KB		68	6 16-bit Sigma Delta	Comparator , DMA , Hardware Multiplier , SVS	1 Watchdog/Interval , 2 16-bit (3CCR) , 2 8-bit	2 USCI_A (UART/LIN/IrDA/SPI) , 2 USCI_B (I2C/SPI)	Energy Meter	Yes	Yes	100LQFP	7.70 | 1ku	16-Bit Ultra-Low-Power Microcontroller, 120KB Flash, 4KB RAM, 6 Sigma-Delta ADCs, LCD Driver
MSP430F47197	ACTIVE	16	160	4 KB	120 KB		68	7 16-bit Sigma Delta	Comparator , DMA , Hardware Multiplier , SVS	1 Watchdog/Interval , 2 16-bit (3CCR) , 2 8-bit	2 USCI_A (UART/LIN/IrDA/SPI) , 2 USCI_B (I2C/SPI)	Energy Meter	Yes	Yes	100LQFP	7.90 | 1ku	16-Bit Ultra-Low-Power Microcontroller, 120KB Flash, 4KB RAM, 7 Sigma-Delta ADCs, LCD Driver
MSP430F477	ACTIVE	8	128		32 KB		48	16-bit Sigma Delta	DAC12	1 Watchdog/Interval , 2 16-bit (3CCR) , 2 8-bit	1 USCI_A (UART/LIN/IrDA/SPI) , 1 USCI_B (I2C/SPI)				113BGA MICROSTAR JUNIOR, 80LQFP	4.60 | 1ku	16-Bit Ultra-Low-Power MCU, 32KB Flash, 2KB RAM, 16bit Sigma-Delta A/D, 12bit D/A, 128Seg LCD
MSP430F478	ACTIVE	8	128		48 KB		48	16-bit Sigma Delta	DAC12	1 Watchdog/Interval , 2 16-bit (3CCR) , 2 8-bit	1 USCI_A (UART/LIN/IrDA/SPI) , 1 USCI_B (I2C/SPI)				113BGA MICROSTAR JUNIOR, 80LQFP	5.00 | 1ku	16-Bit Ultra-Low-Power MCU, 48KB Flash, 2KB RAM, 16bit Sigma-Delta A/D, 12bit D/A, 128Seg LCD
MSP430F4783	ACTIVE	16	160	2 KB	48 KB		72	3 16-bit Sigma Delta	Comparator , Hardware Multiplier , SVS	1 Watchdog/Interval , 2 16-bit (3CCR) , 2 8-bit	2 USCI_A (UART/LIN/IrDA/SPI) , 2 USCI_B (I2C/SPI)	Energy Meter		Yes	100LQFP	5.00 | 1ku	16-Bit Ultra-Low-Power Microcontroller, 48KB Flash, 2KB RAM, 3 Sigma-Delta ADCs, LCD Driver
MSP430F4784	ACTIVE	16	160	2 KB	48 KB		72	4 16-bit Sigma Delta	Comparator , Hardware Multiplier , SVS	1 Watchdog/Interval , 2 16-bit (3CCR) , 2 8-bit	2 USCI_A (UART/LIN/IrDA/SPI) , 2 USCI_B (I2C/SPI)	Energy Meter		Yes	100LQFP	5.00 | 1ku	16-Bit Ultra-Low-Power Microcontroller, 48KB Flash, 2KB RAM, 4 Sigma-Delta ADCs, LCD Driver
MSP430F479	ACTIVE	8	128		60 KB		48	16-bit Sigma Delta	DAC12	1 Watchdog/Interval , 2 16-bit (3CCR) , 2 8-bit	1 USCI_A (UART/LIN/IrDA/SPI) , 1 USCI_B (I2C/SPI)				113BGA MICROSTAR JUNIOR, 80LQFP	5.35 | 1ku	16-Bit Ultra-Low-Power MCU, 32KB Flash, 2KB RAM, 16bit Sigma-Delta A/D, 12bit D/A, 128Seg LCD
MSP430F4793	ACTIVE	16	160	2.5 KB	60 KB		72	3 16-bit Sigma Delta	Comparator , Hardware Multiplier , SVS	1 Watchdog/Interval , 2 16-bit (3CCR) , 2 8-bit	2 USCI_A (UART/LIN/IrDA/SPI) , 2 USCI_B (I2C/SPI)	Energy Meter		Yes	100LQFP	5.35 | 1ku	16-Bit Ultra-Low-Power Microcontroller, 60KB Flash, 2.5KB RAM, 3 Sigma-Delta ADCs, LCD Driver
MSP430F4794	ACTIVE	16	160	2.5 KB	60 KB		72	4 16-bit Sigma Delta	Comparator , Hardware Multiplier , SVS	1 Watchdog/Interval , 2 16-bit (3CCR) , 2 8-bit	2 USCI_A (UART/LIN/IrDA/SPI) , 2 USCI_B (I2C/SPI)	Energy Meter		Yes	100LQFP	5.35 | 1ku	16-Bit Ultra-Low-Power Microcontroller, 60KB Flash, 2KB RAM, 4 Sigma-Delta ADCs, LCD Driver
MSP430FE423	ACTIVE	8	128	256 B	8 KB		14	16-bit Sigma Delta	Hardware Multiplier , SVS	1 16-bit (3CCR) , 1 Watchdog/Interval , 2 8-bit	1 USART (SPI or UART)	Energy Meter	Yes	Yes	64LQFP	4.70 | 1ku	16-bit Ultra-Low-Power Microcontroller for Energy Meters, 8KB Flash, 256B RAM
MSP430FE4232	ACTIVE	8	128	256 B	8 KB		14	16-bit Sigma Delta	Hardware Multiplier , SVS	1 16-bit (3CCR) , 1 Watchdog/Interval , 2 8-bit	1 USART (SPI or UART)	Energy Meter	Yes	Yes	64LQFP	2.35 | 1ku	16-Bit Ultra-Low-Power Microcontroller for Energy Meters, 8KB Flash, 256B RAM
MSP430FE423A	ACTIVE	8	128	256 B	8 KB		14	16-bit Sigma Delta	Hardware Multiplier , SVS	1 16-bit (3CCR) , 1 Watchdog/Interval , 2 8-bit	1 USART (SPI or UART)	Energy Meter	Yes	Yes	64LQFP	3.80 | 1ku	16-bit Ultra-Low-Power Microcontroller for Energy Meters, 8KB Flash, 256B RAM
MSP430FE4242	ACTIVE	8	128	512 B	12 KB		14	16-bit Sigma Delta	Hardware Multiplier , SVS	1 16-bit (3CCR) , 1 Watchdog/Interval , 2 8-bit	1 USART (SPI or UART)	Energy Meter	Yes	Yes	64LQFP	2.45 | 1ku	16-Bit Ultra-Low-Power Microcontroller for Energy Meters, 12KB Flash, 512B RAM
MSP430FE425	ACTIVE	8	128	512 B	16 KB		14	16-bit Sigma Delta	Hardware Multiplier , SVS	1 16-bit (3CCR) , 1 Watchdog/Interval , 2 8-bit	1 USART (SPI or UART)	Energy Meter	Yes	Yes	64LQFP	5.15 | 1ku	16-bit Ultra-Low-Power Microcontroller for Energy Meters, 16KB Flash, 512B RAM
MSP430FE4252	ACTIVE	8	128	512 B	16 KB		14	16-bit Sigma Delta	Hardware Multiplier , SVS	1 16-bit (3CCR) , 1 Watchdog/Interval , 2 8-bit	1 USART (SPI or UART)	Energy Meter	Yes	Yes	64LQFP	2.60 | 1ku	16-Bit Ultra-Low-Power Microcontroller for Energy Meters, 16KB Flash, 512B RAM
MSP430FE425A	ACTIVE	8	128	512 B	16 KB		14	16-bit Sigma Delta	Hardware Multiplier , SVS	1 16-bit (3CCR) , 1 Watchdog/Interval , 2 8-bit	1 USART (SPI or UART)	Energy Meter	Yes	Yes	64LQFP	5.15 | 1ku	16-bit Ultra-Low-Power Microcontroller for Energy Meters, 16KB Flash, 512B RAM
MSP430FE427	ACTIVE	8	128	1 KB	32 KB		14	16-bit Sigma Delta	Hardware Multiplier , SVS	1 16-bit (3CCR) , 1 Watchdog/Interval , 2 8-bit	1 USART (SPI or UART)	Energy Meter	Yes	Yes	64LQFP	5.45 | 1ku	16-Bit Ultra-Low-Power Microcontroller for Energy Meters, 32KB Flash, 1024B RAM
MSP430FE4272	ACTIVE	8	128	1024 B	32 KB		14	16-bit Sigma Delta	Hardware Multiplier , SVS	1 16-bit (3CCR) , 1 Watchdog/Interval , 2 8-bit	1 USART (SPI or UART)	Energy Meter	Yes	Yes	64LQFP	2.75 | 1ku	16-Bit Ultra-Low-Power Microcontroller for Energy Meters, 32KB Flash, 1024B RAM
MSP430FE427A	ACTIVE	8	128	1 KB	32 KB		14	16-bit Sigma Delta	Hardware Multiplier , SVS	1 16-bit (3CCR) , 1 Watchdog/Interval , 2 8-bit	1 USART (SPI or UART)	Energy Meter	Yes	Yes	64LQFP	4.40 | 1ku	16-Bit Ultra-Low-Power Microcontroller for Energy Meters, 32KB Flash, 1024B RAM
MSP430FG4250	ACTIVE	8	56	256 B	16 KB		32	16-bit Sigma Delta	2 Op Amp , DAC12	1 16-bit (3CCR) , 1 Watchdog/Interval	Timer UART	Portable Medical	Yes	Yes	48SSOP, 48VQFN	3.30 | 1ku	16-Bit Ultra-Low-Power MCU, 16KB Flash, 256B RAM, 16-bit Sigma-Delta A/D, 12-bit D/A, 2 OPAMP, LCD D
MSP430FG4260	ACTIVE	8	56	256 B	24 KB		32	16-bit Sigma Delta	2 Op Amp , DAC12	1 16-bit (3CCR) , 1 Watchdog/Interval	Timer UART	Portable Medical	Yes	Yes	48SSOP, 48VQFN	3.60 | 1ku	16-Bit Ultra-Low-Power MCU, 24kB Flash, 256B RAM, 16-bit Sigma-Delta A/D, 12-bit D/A, 2 OPAMP, LCD D
MSP430FG4270	ACTIVE	8	56	256 B	32 KB		32	16-bit Sigma Delta	2 Op Amp , DAC12	1 16-bit (3CCR) , 1 Watchdog/Interval	Timer UART	Portable Medical	Yes	Yes	48SSOP, 48VQFN	4.00 | 1ku	16-Bit Ultra-Low-Power MCU, 32kB Flash, 256B RAM, 16-bit sigma Delta A/D, 12-bit D/A, 2 OPAMP, LCD D
MSP430FG437	ACTIVE	8	128	1 KB	32 KB		48	12-bit SAR	2 DAC 12 , 3 Op Amp , Analog Comparator , DMA , SVS	1 Watchdog/Interval , 2 16-bit (3CCR) , 2 8-bit	1 USART (SPI or UART)	Portable Medical	Yes	Yes	80LQFP	5.15 | 1ku	16-Bit Ultra-Low-Power MCU, 32KB Flash, 1KB RAM, 12-Bit ADC, Dual DAC, DMA, 3 OPAMP, 128 Seg LCD
MSP430FG438	ACTIVE	8	128	2 KB	48 KB		48	12-bit SAR	2 DAC 12 , 3 Op Amp , Analog Comparator , DMA , SVS	1 Watchdog/Interval , 2 16-bit (3CCR) , 2 8-bit	1 USART (SPI or UART)	Portable Medical	Yes	Yes	80LQFP	6.00 | 1ku	16-Bit Ultra-Low-Power MCU, 48KB Flash, 2KB RAM, 12-Bit ADC, Dual DAC, DMA, 3 OPAMP, 128 Seg LCD
MSP430FG439	ACTIVE	8	128	2 KB	60 KB		48	12-bit SAR	2 DAC 12 , 3 Op Amp , Analog Comparator , DMA , SVS	1 Watchdog/Interval , 2 16-bit (3CCR) , 2 8-bit	1 USART (SPI or UART)	Portable Medical	Yes	Yes	80LQFP	6.60 | 1ku	16-Bit Ultra-Low-Power MCU, 60KB Flash, 2KB RAM, 12-Bit ADC, Dual DAC, DMA, 3 OPAMP, 128 Seg LCD
MSP430FG4616	ACTIVE	8	160	4 KB	92 KB		80	12-bit SAR	2 DAC 12 , 3 Op Amp , Analog Comparator , DMA , Hardware Multiplier , SVS	1 16-bit (3CCR) , 1 16-bit (7CCR) , 1 Watchdog/Interval , 2 8-bit	1 USART (SPI or UART) , 1 USCI_A (UART/LIN/IrDA/SPI) , 1 USCI_B (I2C/SPI)	Portable Medical	Yes	Yes	100LQFP, 113BGA MICROSTAR JUNIOR	7.45 | 1ku	16-Bit Ultra-Low-Power MCU, 92KB Flash, 4KB RAM, 12-Bit ADC, Dual DAC, DMA, 3 OPAMP, 160 Seg LCD
MSP430FG4617	ACTIVE	8	160	8 KB	92 KB		80	12-bit SAR	2 DAC 12 , 3 Op Amp , Analog Comparator , DMA , Hardware Multiplier , SVS	1 16-bit (3CCR) , 1 16-bit (7CCR) , 1 Watchdog/Interval , 2 8-bit	1 USART (SPI or UART) , 1 USCI_A (UART/LIN/IrDA/SPI) , 1 USCI_B (I2C/SPI)	Portable Medical	Yes	Yes	100LQFP, 113BGA MICROSTAR JUNIOR	7.95 | 1ku	16-Bit Ultra-Low-Power MCU, 92KB Flash, 8KB RAM, 12-Bit ADC, Dual DAC, DMA, 3 OPAMP, 160 Seg LCD
MSP430FG4618	ACTIVE	8	160	8 KB	116 KB		80	12-bit SAR	2 DAC 12 , 3 Op Amp , Analog Comparator , DMA , Hardware Multiplier , SVS	1 16-bit (3CCR) , 1 16-bit (7CCR) , 1 Watchdog/Interval , 2 8-bit	1 USART (SPI or UART) , 1 USCI_A (UART/LIN/IrDA/SPI) , 1 USCI_B (I2C/SPI)	Portable Medical	Yes	Yes	100LQFP, 113BGA MICROSTAR JUNIOR	8.35 | 1ku	16-Bit Ultra-Low-Power MCU, 116KB Flash, 8KB RAM, 12-Bit ADC, Dual DAC, DMA, 3 OPAMP, 160 Seg LCD
MSP430FG4619	ACTIVE	8	160	4 KB	120 KB		80	12-bit SAR	2 DAC 12 , 3 Op Amp , Analog Comparator , DMA , Hardware Multiplier , SVS	1 16-bit (3CCR) , 1 16-bit (7CCR) , 1 Watchdog/Interval , 2 8-bit	1 USART (SPI or UART) , 1 USCI_A (UART/LIN/IrDA/SPI) , 1 USCI_B (I2C/SPI)	Portable Medical	Yes	Yes	100LQFP, 113BGA MICROSTAR JUNIOR	7.95 | 1ku	16-Bit Ultra-Low-Power MCU, 120KB Flash, 4KB RAM, 12-Bit ADC, Dual DAC, DMA, 3 OPAMP, 160 Seg LCD
MSP430FG477	ACTIVE	8	128		32 KB		48	16-bit Sigma Delta	2 Op Amp , DAC12	1 Watchdog/Interval , 2 16-bit (3CCR) , 2 8-bit	1 USCI_A (UART/LIN/IrDA/SPI) , 1 USCI_B (I2C/SPI)		Yes	Yes	113BGA MICROSTAR JUNIOR, 80LQFP	4.75 | 1ku	16-Bit Ultra-Low-Power MCU, 32KB Flash, 2KB RAM, 16bit Sigma-Delta A/D, 12bit D/A, OpAmp, 128Seg LCD
MSP430FG478	ACTIVE	8	128		48 KB		48	16-bit Sigma Delta	2 Op Amp , DAC12	1 Watchdog/Interval , 2 16-bit (3CCR) , 2 8-bit	1 USCI_A (UART/LIN/IrDA/SPI) , 1 USCI_B (I2C/SPI)		Yes	Yes	113BGA MICROSTAR JUNIOR, 80LQFP	5.55 | 1ku	16-Bit Ultra-Low-Power MCU, 48KB Flash, 2KB RAM, 16bit Sigma-Delta A/D, 12bit D/A, OpAmp, 128Seg LCD
MSP430FG479	ACTIVE	8	128		60 KB		48	16-bit Sigma Delta	2 Op Amp , DAC12	1 Watchdog/Interval , 2 16-bit (3CCR) , 2 8-bit	1 USCI_A (UART/LIN/IrDA/SPI) , 1 USCI_B (I2C/SPI)		Yes	Yes	113BGA MICROSTAR JUNIOR, 80LQFP	6.20 | 1ku	16-Bit Ultra-Low-Power MCU, 60KB Flash, 2KB RAM, 16bit Sigma-Delta A/D, 12bit D/A, OpAmp, 128Seg LCD
MSP430FW423	ACTIVE	8	96	256 B	8 KB		48	Slope	Analog Comparator , SVS	1 16-bit (3CCR) , 1 16-bit (5CCR) , 1 Watchdog/Interval , 2 8-bit	Timer UART	Flow Meter		Yes	64LQFP	2.50 | 1ku	16-bit RISC Ultra-Low-Power Microcontroller for Electronic Flow Meters
MSP430FW425	ACTIVE	8	96	512 B	16 KB		48	Slope	Analog Comparator , SVS	1 16-bit (3CCR) , 1 16-bit (5CCR) , 1 Watchdog/Interval , 2 8-bit	Timer UART	Flow Meter		Yes	64LQFP	2.80 | 1ku	16-bit RISC Ultra-Low-Power Microcontroller for Electronic Flow Meters
MSP430FW427	ACTIVE	8	96	1 KB	32 KB		48	Slope	Analog Comparator , SVS	1 16-bit (3CCR) , 1 16-bit (5CCR) , 1 Watchdog/Interval , 2 8-bit	Timer UART	Flow Meter		Yes	64LQFP	3.10 | 1ku	16-bit RISC Ultra-Low-Power Microcontroller for Electronic Flow Meters