

TEXAS INSTRUMENTS MSP430 Microcontrollers



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MSP430X1XX FLASH/ROM NO LCD MICROCONTROLLERS

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Freq (MHz)	Flash (KB)	RAM (B)	GPIO	ADC	Timers	Price Each			
									1	25	100	250
									For quantities greater than listed, call for quote.			
595-430F148IPM	MSP430F148IPM	LQFP-64	8	48	2K	48	12-bit SAR	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	9.88	7.26	5.16	5.16
595-MSP430F1611IPM	MSP430F1611IPM	LQFP-64	8	48	10K	48	12-bit SAR	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	18.93	13.91	9.90	9.90
595-MSP430F1611IRTD	MSP430F1611IRTD	QFN-64	8	48	10K	48	12-bit SAR	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	19.06	14.12	9.96	9.96
595-MSP430F1612IPM	MSP430F1612IPM	LQFP-64	8	55	5K	48	12-bit SAR	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	19.63	14.42	10.26	10.26
595-430F149IPAG	MSP430F149IPAG	TQFP-64	8	60	2K	48	12-bit SAR	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	10.67	7.84	5.58	5.58
595-430F149IPM	MSP430F149IPM	LQFP-64	8	60	2K	48	12-bit SAR	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	10.67	7.84	5.58	5.58
595-430F169IPM	MSP430F169IPM	LQFP-64	8	60	2K	48	12-bit SAR	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	16.88	12.50	8.82	8.82
595-MSP430F169IRTD	MSP430F169IRTD	QFN-64	8	60	2K	48	12-bit SAR	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	16.98	12.58	8.88	8.88

MSP430G2XX FLASH NO LCD MICROCONTROLLERS

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Freq (MHz)	Flash (KB)	RAM (B)	GPIO	ADC	Timers	Price Each			
									1	25	100	250
									For quantities greater than listed, call for quote.			
595-MSP430G2001IN14	MSP430G2001IN14	DIP-14	16	0.512	128	10	---	1x16-Bit (TA2)	1.13	.84	.591	.591
595-MSP430G2001IPW14	MSP430G2001IPW14	TSSOP-14	16	0.512	128	10	---	1x16-Bit (TA2)	.78	.576	.411	.411
595-SP430G2001IPW14R	MSP430G2001IPW14R	TSSOP-14	16	0.512	128	10	---	1x16-Bit (TA2)	.78	.576	.411	.411
595-MSP430G2101IPW14	MSP430G2101IPW14	TSSOP-14	16	1	128	10	---	1x16-Bit (TA2)	1.00	.74	.525	.525
595-SP430G2152IPW14R	MSP430G2152IPW14R	TSSOP-14	16	1	256	16	10-bit SAR	1 16-bit (2CCR), 1 WD/Int	1.27	.94	.661	.661
595-SP430G2152IPW20R	MSP430G2152IPW20R	TSSOP-20	16	1	256	16	10-bit SAR	1 16-bit (2CCR), 1 WD/Int	1.38	1.02	.721	.721
595-P430G2152IRSA16T	MSP430G2152IRSA16T	QFN-16	16	1	256	16	10-bit SAR	1 16-bit (2CCR), 1 WD/Int	1.38	1.02	.78	.78
595-P430G2153IRHB32T	MSP430G2153IRHB32T	QFN-32	16	1	256	24	8 x 10-Bit	2 16-bit (3CCR), 1 WD/Int	1.62	1.20	.84	.84
595-MSP430G2230IDR	MSP430G2230IDR	SOIC-8	16	2	128	4	10-bit SAR	1 16-bit (2CCR), 1 WD/Int	1.40	1.20	1.00	.60
595-MSP430G2211IN14	MSP430G2211IN14	DIP-14	16	2	128	10	---	1 16-bit (2CCR), 1 WD/Int	1.49	1.10	.781	.781
595-MSP430G2211IPW14	MSP430G2211IPW14	TSSOP-14	16	2	128	10	---	1x16-Bit (TA2)	1.11	.816	.583	.583
595-MSP430G2221IN14	MSP430G2221IN14	DIP-14	16	2	128	10	---	1x16-Bit (TA2)	1.49	1.10	.781	.781
595-MSP430G2221IPW14	MSP430G2221IPW14	TSSOP-14	16	2	128	10	---	1x16-Bit (TA2)	1.11	.82	.583	.583
595-MSP430G2231IN14	MSP430G2231IN14	DIP-14	16	2	128	10	8x10-Bit	1x16-Bit (TA2)	1.62	1.20	.841	.841
595-MSP430G2231IPW14	MSP430G2231IPW14	TSSOP-14	16	2	128	10	8x10-Bit	1x16-Bit (TA2)	1.27	.931	.661	.661
595-SP430G2231IPW14R	MSP430G2231IPW14R	TSSOP-14	16	2	128	10	10-bit SAR	1x16-Bit (TA2)	1.27	.931	.66	.66
595-SP430G2231QPW1EP	MSP430G2231QPW1EP	TSSOP-14	16	2	128	10	10-bit SAR	1x16-Bit (TA2)	2.36	2.15	1.94	1.79
595-MSP430G2232IN20	MSP430G2232IN20	DIP-20	16	2	256	16	10-Bit SAR	1x16-Bit (TA3)	1.27	.931	.661	.661
595-P430G2253IRHB32T	MSP430G2253IRHB32T	QFN-32	16	2	256	24	10-Bit SAR	2 16-bit (3CCR), 1 WD/Int	1.73	1.25	.90	.90
595-P430G2303IRHB32T	MSP430G2303IRHB32T	QFN-32	16	4	256	24	8 x 10-Bit	2x16-Bit (TA3)	1.73	1.28	.901	.901
595-MSP430G2452IN20	MSP430G2452IN20	PDIP-20	16	8	256	16	10-bit SAR	1 16-bit (3CCR), 1 WD/Int	1.62	1.18	.841	.841
595-SP430G2452IPW14R	MSP430G2452IPW14R	TSSOP-14	16	8	256	16	10-bit SAR	1 16-bit (3CCR), 1 WD/Int	1.62	1.20	.841	.841
595-MSP430G2452IPW20R	MSP430G2452IPW20R	TSSOP-20	16	8	256	16	10-bit SAR	1 16-bit (3CCR), 1 WD/Int	1.62	1.20	.84	.84
595-SP430G2452IPW20R	MSP430G2452IPW20R	TSSOP-20	16	8	256	16	10-bit SAR	1 16-bit (3CCR), 1 WD/Int	1.62	1.20	.841	.841
595-P430G2452IRSA16T	MSP430G2452IRSA16T	QFN-16	16	8	256	16	10-bit SAR	1 16-bit (3CCR), 1 WD/Int	1.73	1.28	.96	.96
595-P430G2403IRHB32T	MSP430G2403IRHB32T	QFN-32	16	8	512	24	---	2x16-Bit (TA3)	2.06	1.45	1.02	1.02
595-P430G253IRHB32T	MSP430G253IRHB32T	QFN-32	16	16	512	24	10-Bit SAR	2x16-Bit (TA3)	2.19	1.62	1.20	1.20
595-SP430FR5739IRHAT	MSP430FR5739IRHAT	QFN-40	24	16	1	32	10-bit SAR	5x16-Bit (TA0 & TA1)	6.25	4.50	3.75	3.25

MSP430FRXXX FRAM SERIES MICROCONTROLLERS

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Freq (MHz)	Flash (KB)	RAM (B)	GPIO	ADC	Timers	Price Each			
									1	25	100	250
									For quantities greater than listed, call for quote.			
595-SP430FR5720IRGER	MSP430FR5720IRGER	QFN-24	8	4	0.5	10	10-Bit SAR	5x16-Bit (TA0 & TA1)	4.38	3.50	2.80	2.33
595-SP430FR5730IRGER	MSP430FR5730IRGER	QFN-24	24	4	0.5	10	10-Bit SAR	5x16-Bit (TA0 & TA1)	4.95	4.04	3.63	3.30
595-SP430FR5721IRHAT	MSP430FR5721IRHAT	QFN-40	8	4	1024	33	10-bit SAR	5 16-bit (3CCR), 1 WDT/Int	4.63	3.70	2.96	2.47
595-SP430FR5731IRHAT	MSP430FR5731IRHAT	QFN-40	24	4	1024	33	10-bit SAR	5 16-bit (3CCR), 1 WDT/Int	5.00	4.00	3.20	2.66
595-SP430FR5725IRHAR	MSP430FR5725IRHAR	QFN-40	8	8	1	10	10-Bit SAR	5x16-Bit (TA0 & TA1)	5.13	4.10	3.28	2.73
595-SP430FR5735IRHAR	MSP430FR5735IRHAR	QFN-40	24	8	1	10	10-Bit SAR	5x16-Bit (TA0 & TA1)	5.92	4.83	4.34	3.94
595-SP430FR5722IRGET	MSP430FR5722IRGET	QFN-24	8	8	1024	17	-	5 16-bit (3CCR), 1 WDT/Int	4.75	3.80	3.04	2.53
595-SP430FR5728IRGET	MSP430FR5728IRGET	QFN-24	8	16	1	10	10-Bit SAR	5x16-Bit (TA0 & TA1)	3.33	3.23	3.13	2.86
595-MSP430FR5729IDAR	MSP430FR5729IDAR	TSSOP-38	8	16	1	10	10-Bit SAR	5x16-Bit (TA0 & TA1)	5.66	4.62	4.14	3.77
595-SP430FR5729IRHAR	MSP430FR5729IRHAR	QFN-40	8	16	1	10	10-Bit SAR	5x16-Bit (TA0 & TA1)	5.71	4.66	4.18	3.80
595-SP430G2553IPW20R	MSP430G2553IPW20R	TSSOP-20	16	16	512	24	10-bit SAR	2x16-Bit (3CCR)	2.08	1.54	1.08	1.08
595-SP430FR5738IRGET	MSP430FR5738IRGET	QFN-24	24	16	1024	17	10-bit SAR	5 16-bit (3CCR), 1 WDT/Int	6.00	4.80	3.84	3.20
595-SP430FR5727IRHAT	MSP430FR5727IRHAT	QFN-40	8	16	1024	33	-	5 16-bit (3CCR), 1 WDT/Int	5.63	4.50	3.60	3.00
595-SP430FR5737IRHAT	MSP430FR5737IRHAT	QFN-40	24	16	1024	33	-	5 16-bit (3CCR), 1 WDT/Int	5.88	4.70	3.76	3.13

MSP430X2XX DEVELOPMENT TOOLS AND ACCESSORIES

MOUSER STOCK NO.	Mfr.	Mfr. Part No.	Description	Price Each	MOUSER STOCK NO.	Mfr.	Mfr. Part No.	Description	Price Each
595-MSP-FET430U14			MSP430 14 pin Package Board and USB Programmer	152.00	595-EZ430-F2013			MSP430 USB Stick Dev Tool	20.40
595-EZ430-RF2500T			MSP430 2.4GHz Wireless Target Board	20.40	595-EZ430-T2012			MSP430 USB Stick F2012 Board	10.20
595-MSP-FET430U28			MSP430 20 and 28 pin Package Board and USB Programmer	152.00	595-EZ430-RF2500			MSP430 Wireless Dev Tool	50.00
595-MSP-FET430U38			MSP430 38 pin Package Board and USB Programmer	152.00	595-MSP-EXP430FG4618			MSP430FG4618/F2013 Experimenter Board	101.00
595-MSP-FET430U64			MSP430 64 pin Package Board and USB Programmer	152.00	595-MSP-EXP430G2			MSP430 flash programmer/debugger for Value Line devices	4.30
595-MSP-TS430PM64			MSP430 64 pin Socket Target Board	76.50	595-MSP-FET430PIF			MSP430 Parallel Port Debugging Interface	50.00
595-MSP-TS430PW14			Flash Emulation Tool for MSP430 Ultra Low Power MCU	76.50	595-430BOOST-TMP006			BoosterPack for MSP430G2553, Capable of Con. 2x Circuit Boards	28.47
595-MSP-FET430U80			MSP430 80 pin Package Board and USB Programmer	152.00	595-430BOOST-SENSE1			Capacitive Touch BoosterPack for MSP-EXP430G2	10.00
595-MSP-FET430PIF			MSP430 Parallel Port Debugging Interface	50.00	595-430BOOST5AUDIO1			Audio Capacitive Touch BoosterPack for MSP-EXP430G2	30.00
595-EZ430-RF2500-SEH			MSP430 Solar Energy Harvesting Dev Tool	152.00					
595-MSP-FET430UIF			MSP430 USB Debugging Interface	101.00					

MSP430X2XX FLASH, NO LCD MICROCONTROLLERS

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Freq (MHz)	Flash (KB)	RAM (B)	GPIO	ADC	Timers	Price Each			
									1	25	100	250
									For quantities greater than listed, call for quote.			
595-MSP430F2001IN	MSP430F2001IN	DIP-14	16	1	128	10	Slope	1 16-bit (2CCR), 1 WD/Int	1.06	.851	.744	.744
595-MSP430F2001IPW	MSP430F2001IPW	TSSOP-14	16	1	128	10	Slope	1 16-bit (2CCR), 1 WD/Int	1.03	.76	.541	.541
595-MSP430F2001IPWR	MSP430F2001IPWR	TSSOP-14	16	1	128	10	Slope	1 16-bit (2CCR), 1 WD/Int	1.03	.76	.541	.541
595-MSP430F2001IRSAT	MSP430F2001IRSAT	QFN-16	16	1	128	10	Slope	1 16-bit (2CCR), 1 WD/Int	1.13	.84	.595	.595
595-MSP430F2001TRSAT	MSP430F2001TRSAT	QFN-16	16	1	128	10	Slope	1 16-bit (2CCR), 1 WD/Int	1.27	.94	.661	.661
595-MSP430F2002IN	MSP430F2002IN	PDIP-14	16	1	128	10	10-bit SAR	1 16-bit (2CCR), 1 WD/Int	1.49	1.10	.781	.781
595-MSP430F2002IPW	MSP430F2002IPW	TSSOP-14	16	1	128	10	10-bit SAR	1 16-bit (2CCR), 1 WD/Int	1.49	1.10	.781	.781
595-MSP430F2003IRSAT	MSP430F2003IRSAT	QFN-16	16	1	128	10	16-bit S-D	1 16-bit (2CCR), 1 WD/Int	2.54	1.88	1.32	1.32
595-MSP430F2101IPWR	MSP430F2101IPWR	TSSOP-20	16	1	128	16	Slope	1 16-bit (2CCR), 1 WD/Int	1.38	1.02	.721	.721
595-MSP430F2011IPW	MSP430F2011IPW	TSSOP-14	16	2	128	10	Slope	1 16-bit (2CCR), 1 WD/Int	1.27	.94	.661	