

TEXAS INSTRUMENTS MSP430 Microcontrollers



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MSP430X1XX DEVELOPMENT TOOLS & ACCESSORIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Description	Price Each
595-MSP-CCE430PRO	MSP-CCE430PRO	Code Composer Essential Pro v3.1 - Unrestricted IDE	568.27
595-MSP-FET430U28	MSP-FET430U28	MSP430 20 & 28 pin Package Board & USB Programmer	160.35
595-MSP-FET430U64	MSP-FET430U64	MSP430 64 pin Package Board & USB Programmer	169.68
595-MSP-TS430PM64	MSP-TS430PM64	MSP430 64 pin Socket Target Board	85.21
595-MSP-GANG430	MSP-GANG430	MSP430 In-System Gang Programmer	214.17
595-MSP-FET430PIF	MSP-FET430PIF	MSP430 Parallel Port Debugging Interface	52.74
595-MSP-FET430UIF	MSP-FET430UIF	MSP430 USB Debugging Interface	106.55
595-MSP-FET430X110	MSP-FET430X110	MSP430F11X(1) Flash Emulation Tool	49.00

MSP430x1xx – These non-LCD flash/ROM based MCUs offer 1.8V to 3.6V operation, up to 60kB, 8MIPS with Basic Clock. Includes a wide range of peripherals from a simple low power comparator to high-performance data converters, interfaces and multiplier.

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MSP430X1XX FLASH/ROM NO LCD MICROCONTROLLERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Freq (MHz)	Flash (KB)	RAM (B)	GPIO	ADC	Timers	Price Each			
									1	25	100	250
595-430F1101AIPW	MSP430F1101AIPW	TSSOP-20	8	1	128	14	Slope	1 16-bit (3CCR), 1 WD/Int	2.47	1.98	1.48	1.38
595-430F1111AIDW	MSP430F1111AIDW	SOIC-20	8	2	128	14	Slope	1 16-bit (3CCR), 1 WD/Int	3.03	2.43	1.89	1.79
595-430F1111AIPW	MSP430F1111AIPW	TSSOP-20	8	2	128	14	Slope	1 16-bit (3CCR), 1 WD/Int	3.03	2.43	1.89	1.79
595-430F1111AIRGET	MSP430F1111AIRGET	QFN-24	8	2	128	14	Slope	1 16-bit (3CCR), 1 WD/Int	3.03	2.43	1.89	1.79
595-430F1121AIDW	MSP430F1121AIDW	SOIC-20	8	4	256	14	Slope	1 16-bit (3CCR), 1 WD/Int	3.82	3.06	2.38	2.26
595-430F1121AIPW	MSP430F1121AIPW	TSSOP-20	8	4	256	14	Slope	1 16-bit (3CCR), 1 WD/Int	3.82	3.06	2.38	2.26
595-430F1122IPW	MSP430F1122IPW	TSSOP-20	8	4	256	14	10-bit SAR	1 16-bit (3CCR), 1 WD/Int	4.50	3.60	2.80	2.66
595-430F1132IPW	MSP430F1132IPW	TSSOP-20	8	8	256	14	10-bit SAR	1 16-bit (3CCR), 1 WD/Int	5.04	4.05	3.15	2.99
595-MSP430F1132IRHBT	MSP430F1132IRHBT	QFN-32	8	8	256	14	10-bit SAR	1 16-bit (3CCR), 1 WD/Int	5.06	4.05	3.15	2.99
595-430F1221RHBT	MSP430F1221RHBT	QFN-32	8	4	256	22	Slope	1 16-bit (3CCR), 1 WD/Int	4.83	3.87	3.01	2.85
595-430F1222IDW	MSP430F1222IDW	SOIC-28	8	4	256	22	10-bit SAR	1 16-bit (3CCR), 1 WD/Int	5.40	4.32	3.36	3.19
595-430F1222IRHBT	MSP430F1222IRHBT	QFN-32	8	4	256	22	10-bit SAR	1 16-bit (3CCR), 1 WD/Int	5.40	4.32	3.36	3.19
595-430F1231DW	MSP430F1231DW	SOIC-28	8	8	256	22	Slope	1 16-bit (3CCR), 1 WD/Int	5.17	4.14	3.22	3.05
595-430F1231PW	MSP430F1231PW	TSSOP-28	8	8	256	22	Slope	1 16-bit (3CCR), 1 WD/Int	5.17	4.14	3.22	3.05
595-430F1231RHBT	MSP430F1231RHBT	QFN-32	8	8	256	22	Slope	1 16-bit (3CCR), 1 WD/Int	5.17	4.14	3.22	3.05
595-430F1232IDW	MSP430F1232IDW	SOIC-28	8	8	256	22	10-bit SAR	1 16-bit (3CCR), 1 WD/Int	5.00	4.00	3.37	3.25
595-430F1232IPW	MSP430F1232IPW	TSSOP-28	8	8	256	22	10-bit SAR	1 16-bit (3CCR), 1 WD/Int	5.00	4.00	3.37	3.25
595-430F1232IPWR	MSP430F1232IPWR	TSSOP-28	8	8	256	22	10-bit SAR	1 16-bit (3CCR), 1 WD/Int	5.00	4.00	3.37	3.25
595-430F1232IRHBR	MSP430F1232IRHBR	QFN-32	8	8	256	22	10-bit SAR	1 16-bit (3CCR), 1 WD/Int	5.00	4.00	3.37	3.25
595-430F1331PAG	MSP430F1331PAG	TQFP-64	8	8	256	48	12-bit SAR	1 WD/Int, 2 16-bit (3CCR)	6.00	4.80	4.05	3.90
595-430F1351PAG	MSP430F1351PAG	TQFP-64	8	16	512	48	12-bit SAR	1 WD/Int, 2 16-bit (3CCR)	7.20	5.76	4.86	4.68
595-430F1351PM	MSP430F1351PM	LQFP-64	8	16	512	48	12-bit SAR	1 WD/Int, 2 16-bit (3CCR)	6.48	5.76	4.86	4.68
595-MSP430F1351RTDT	MSP430F1351RTDT	QFN-64	8	16	512	48	12-bit SAR	1 WD/Int, 2 16-bit (3CCR)	7.20	5.76	4.86	4.68
595-430F1471PAG	MSP430F1471PAG	TQFP-64	8	32	1	48	12-bit SAR	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	8.38	7.57	6.71	6.41
595-430F1471PM	MSP430F1471PM	LQFP-64	8	32	1	48	12-bit SAR	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	8.38	7.57	6.71	6.41
595-430F1481PM	MSP430F1481PM	LQFP-64	8	48	2	48	12-bit SAR	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	9.54	8.62	7.64	7.30
595-MSP430F1481RTDT	MSP430F1481RTDT	QFN-64	8	48	2	48	12-bit SAR	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	9.58	8.62	7.64	7.33
595-MSP430F1481RTDT	MSP430F1481RTDT	QFN-64	8	48	2	48	Slope	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	8.83	7.95	7.04	6.75
595-430F1491PAG	MSP430F1491PAG	TQFP-64	8	60	2	48	12-bit SAR	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	10.04	9.07	8.04	7.68
595-430F1491PM	MSP430F1491PM	LQFP-64	8	60	2	48	12-bit SAR	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	10.04	9.07	8.04	7.68
595-430F1491PMR	MSP430F1491PMR	LQFP-64	8	60	2	48	12-bit SAR	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	10.04	9.07	8.04	7.68
595-MSP430F1491RTDR	MSP430F1491RTDR	QFN-64	8	60	2	48	12-bit SAR	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	10.08	9.07	8.04	7.71
595-MSP430F1491RTDT	MSP430F1491RTDT	QFN-64	8	60	2	48	12-bit SAR	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	10.08	9.07	8.04	7.71
595-430F1491IPM	MSP430F1491IPM	LQFP-64	8	60	2	48	Slope	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	9.29	8.40	7.44	7.11
595-MSP430F1491RTDT	MSP430F1491RTDT	QFN-64	8	60	2	48	Slope	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	9.33	8.40	7.44	7.14
595-430F1551PM	MSP430F1551PM	LQFP-64	8	16	512	48	12-bit SAR	1 WD/Int, 2 16-bit (3CCR)	9.90	7.92	6.68	6.43
595-430F1561PM	MSP430F1561PM	LQFP-64	8	24	1	48	12-bit SAR	1 WD/Int, 2 16-bit (3CCR)	9.21	8.32	7.38	7.04
595-430F1571PM	MSP430F1571PM	LQFP-64	8	32	1	48	12-bit SAR	1 WD/Int, 2 16-bit (3CCR)	9.71	8.77	7.78	7.42
595-MSP430F1610IPM	MSP430F1610IPM	LQFP-64	8	32	5	48	12-bit SAR	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	13.74	12.37	10.97	10.51
595-MSP430F1610IRTDT	MSP430F1610IRTDT	QFN-64	8	32	5	48	12-bit SAR	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	13.74	12.37	10.97	10.51
595-MSP430F1611IPM	MSP430F1611IPM	LQFP-64	8	48	10	48	12-bit SAR	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	14.41	12.97	11.50	11.02
595-MSP430F1611IRTDT	MSP430F1611IRTDT	QFN-64	8	48	10	48	12-bit SAR	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	14.41	12.97	11.50	11.02
595-MSP430F1612IPM	MSP430F1612IPM	LQFP-64	8	55	5	48	12-bit SAR	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	14.91	13.42	11.90	11.41
595-430F1671PM	MSP430F1671PM	LQFP-64	8	32	1	48	12-bit SAR	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	11.20	10.12	8.97	8.57
595-430F1671PMR	MSP430F1671PMR	LQFP-64	8	32	1	48	12-bit SAR	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	11.20	10.12	8.97	8.57
595-430F1681PM	MSP430F1681PM	LQFP-64	8	48	2	48	12-bit SAR	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	12.36	11.17	9.90	9.46
595-430F1691PM	MSP430F1691PM	LQFP-64	8	60	2	48	12-bit SAR	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	13.19	11.92	10.57	10.09
595-MSP430F1691RTDT	MSP430F1691RTDT	QFN-64	8	60	2	48	12-bit SAR	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	13.24	11.92	10.57	10.13
595-430F1331PM	MSP430F1331PM	LQFP-64	8	8	256	48	12-bit SAR	1 WD/Int, 2 16-bit (3CCR)	6.00	4.80	4.05	3.90
595-MSP430F1612IRTDT	MSP430F1612IRTDT	QFN-64	8	55	5	48	12-bit SAR	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	14.91	13.42	11.90	11.41
595-430F1471IPM	MSP430F1471IPM	LQFP-64	8	32	1	48	Slope	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	9.20	7.36	6.21	5.98
595-430F1121AIDGV	MSP430F1121AIDGV	TVSOP-20	8	4	256	14	Slope	1 16-bit (3CCR), 1 WD/Int	3.82	3.06	2.38	2.26
595-MSP430F1471IRTDT	MSP430F1471IRTDT	QFN-64	8	32	1	48	Slope	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	9.20	7.36	6.21	5.98
595-MSP430F1471RTDT	MSP430F1471RTDT	QFN-64	8	32	1	48	12-bit SAR	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	8.41	7.57	6.71	6.43
595-430F1571PMR	MSP430F1571PMR	LQFP-64	8	32	1	48	12-bit SAR	1 WD/Int, 2 16-bit (3CCR)	9.71	8.77	7.78	7.42

