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MSP430X2XX FLASH, NO LCD MICROCONTROLLERS (CONT.)



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MOUSER STOCK NO.	Texas Instruments Part No.	Package	Freq (MHz)	Flash (KB)	RAM (B)	GPIO	ADC	Timers	Price Each			
									1	25	100	250
595-MSP430F2012TPWR	MSP430F2012TPWR	TSSOP-14	16	2	128	10	10-Bit SAR	1 16-bit (2CCR), 1 WD/Int	2.08	1.54	1.08	1.08
595-MSP430F2012TRSAT	MSP430F2012TRSAT	QFN-16	16	2	128	10	10-Bit SAR	1 16-bit (2CCR), 1 WD/Int	2.30	1.70	1.20	1.20
595-MSP430F2013IPW	MSP430F2013IPW	TSSOP-14	16	2	128	10	16-Bit S-D	1 16-bit (2CCR), 1 WD/Int	2.54	1.88	1.32	1.32
595-MSP430F2013IPWR	MSP430F2013IPWR	TSSOP-14	16	2	128	10	16-Bit S-D	1 16-bit (2CCR), 1 WD/Int	2.54	1.88	1.32	1.32
595-MSP430F2013IRSAT	MSP430F2013IRSAT	QFN-16	16	2	128	10	16-Bit S-D	1 16-bit (2CCR), 1 WD/Int	2.75	2.04	1.44	1.44
595-MSP430F2013IN	MSP430F2013IN	DIP-14	16	2	128	10	16-Bit S-D	1 16-bit (2CCR), 1 WD/Int	2.54	1.88	1.32	1.32
595-MSP430F2013TN	MSP430F2013TN	DIP-14	16	2	128	10	16-Bit S-D	1 16-bit (2CCR), 1 WD/Int	2.75	2.04	1.44	1.44
595-MSP430F2013TPW	MSP430F2013TPW	TSSOP-14	16	2	128	10	16-Bit S-D	1 16-bit (2CCR), 1 WD/Int	2.75	2.04	1.44	1.44
595-MSP430F2013TPWR	MSP430F2013TPWR	TSSOP-14	16	2	128	10	16-Bit S-D	1 16-bit (2CCR), 1 WD/Int	2.75	2.04	1.44	1.44
595-MSP430F2013TRSAT	MSP430F2013TRSAT	QFN-16	16	2	128	10	16-Bit S-D	1 16-bit (2CCR), 1 WD/Int	3.00	2.22	1.56	1.56
595-MSP430F2112IPW	MSP430F2112IPW	TSSOP-28	16	2	256	24	10-Bit SAR	1 16-bit (2CCR), 1 WD/Int	2.54	1.88	1.32	1.32
595-MSP430F2112IRHBT	MSP430F2112IRHBT	QFN-32	16	2	256	24	10-Bit SAR	1 16-bit (2CCR), 1 WD/Int	2.54	1.88	1.38	1.38
595-MSP430F2112TPW	MSP430F2112TPW	TSSOP-24	16	2	256	24	10-Bit SAR	1 16-bit (2CCR), 1 WD/Int	2.86	2.12	1.50	1.50
595-MSP430F2112IDWR	MSP430F2112IDWR	SOIC-20	16	4	256	16	Slope	1 16-bit (2CCR), 1 WD/Int	2.08	1.54	1.08	1.08
595-MSP430F2112IPWR	MSP430F2112IPWR	TSSOP-20	16	4	256	16	Slope	1 16-bit (2CCR), 1 WD/Int	2.08	1.54	1.08	1.08
595-MSP430F2122IPW	MSP430F2122IPW	TSSOP-28	16	4	512	24	10-Bit SAR	1 16-bit (3CCR), 1 16-bit (2CCR), 1 WD/Int	3.21	2.38	1.68	1.68
595-MSP430F2122IPWR	MSP430F2122IPWR	TSSOP-28	16	4	512	24	10-Bit SAR	1 16-bit (3CCR), 1 16-bit (2CCR), 1 WD/Int	3.21	2.38	1.68	1.68
595-MSP430F2122IRHBR	MSP430F2122IRHBR	QFN-32	16	4	512	24	10-Bit SAR	1 16-bit (3CCR), 1 16-bit (2CCR), 1 WD/Int	3.21	2.38	1.68	1.68
595-MSP430F2122IRHBT	MSP430F2122IRHBT	QFN-32	16	4	512	24	10-Bit SAR	1 16-bit (3CCR), 1 16-bit (2CCR), 1 WD/Int	3.21	2.38	1.74	1.74
595-MSP430F2131IDWR	MSP430F2131IDWR	SOIC-20	16	8	256	16	Slope	1 16-bit (3CCR), 1 WD/Int	2.75	2.04	1.44	1.44
595-MSP430F2131IRGET	MSP430F2131IRGET	QFN-24	16	8	256	16	Slope	1 16-bit (3CCR), 1 WD/Int	2.86	2.08	1.50	1.50
595-MSP430F2132IPW	MSP430F2132IPW	TSSOP-28	16	8	512	24	10-Bit SAR	1 16-bit (3CCR), 1 16-bit (2CCR), 1 WD/Int	3.46	2.76	2.62	2.62
595-MSP430F2132IPWR	MSP430F2132IPWR	TSSOP-28	16	8	512	24	10-Bit SAR	1 16-bit (3CCR), 1 16-bit (2CCR), 1 WD/Int	3.46	2.56	1.80	1.80
595-MSP430F2132IRHBR	MSP430F2132IRHBR	QFN-32	16	8	512	24	10-Bit SAR	1 16-bit (3CCR), 1 16-bit (2CCR), 1 WD/Int	3.46	2.56	1.80	1.80
595-MSP430F2132IRHBT	MSP430F2132IRHBT	QFN-32	16	8	512	24	10-Bit SAR	1 16-bit (3CCR), 1 16-bit (2CCR), 1 WD/Int	3.46	2.56	1.86	1.86
595-MSP430F2132TPW	MSP430F2132TPW	TSSOP-28	16	8	512	24	10-Bit SAR	1 16-bit (3CCR), 1 16-bit (2CCR), 1 WD/Int	3.78	2.80	1.98	1.98
595-MSP430F2232IDA	MSP430F2232IDA	TSSOP-38	16	8	512	32	10-Bit SAR	2 16-bit (3CCR), 1 WD/Int	3.78	3.02	2.87	2.87
595-MSP430F2232IDAR	MSP430F2232IDAR	TSSOP-38	16	8	512	32	10-Bit SAR	2 16-bit (3CCR), 1 WD/Int	3.78	2.80	1.98	1.98
595-MSP430F2232IRHAT	MSP430F2232IRHAT	QFN-40	16	8	512	32	10-Bit SAR	2 16-bit (3CCR), 1 WD/Int	3.92	2.90	2.04	2.04
595-MSP430F2234IDA	MSP430F2234IDA	TSSOP-38	16	8	512	32	10-Bit SAR	2 16-bit (3CCR), 1 WD/Int	4.24	3.38	3.21	3.21
595-MSP430F2330IRHAT	MSP430F2330IRHAT	QFN-40	16	8	1K	32	Slope	2 16-bit (3CCR), 1 WD/Int	4.02	2.98	2.10	2.10
595-MSP430F233TPM	MSP430F233TPM	LQFP-64	16	8	1K	48	12-Bit SAR	2 16-bit (3CCR), 1 WD/Int	4.94	3.94	3.75	3.75
595-MSP430F2252IDA	MSP430F2252IDA	TSSOP-38	16	16	512	32	10-Bit SAR	2 16-bit (3CCR), 1 WD/Int	4.48	3.58	3.40	3.40
595-MSP430F2252IDAR	MSP430F2252IDAR	TSSOP-38	16	16	512	32	10-Bit SAR	2 16-bit (3CCR), 1 WD/Int	4.48	3.32	2.34	2.34
595-MSP430F2252IRHAT	MSP430F2252IRHAT	QFN-40	16	16	512	32	10-Bit SAR	2 16-bit (3CCR), 1 WD/Int	4.59	3.40	2.40	2.40
595-MSP430F2254IRHAR	MSP430F2254IRHAR	QFN-40	16	16	512	32	10-Bit SAR	2 16-bit (3CCR), 1 WD/Int	5.05	3.74	2.58	2.58
595-MSP430F2350IRHAT	MSP430F2350IRHAT	QFN-40	16	16	2K	32	Slope	2 16-bit (3CCR), 1 WD/Int	4.59	3.40	2.40	2.40
595-MSP430F2350TRHAT	MSP430F2350TRHAT	QFN-40	16	16	2K	32	Slope	2 16-bit (3CCR), 1 WD/Int	5.05	3.74	2.64	2.64
595-MSP430F235TPM	MSP430F235TPM	LQFP-64	16	16	2K	48	12-Bit SAR	2 16-bit (3CCR), 1 WD/Int	5.97	4.76	4.53	4.53
595-MSP430F235TRGCT	MSP430F235TRGCT	QFN-64	16	16	2K	48	12-Bit SAR	2 16-bit (3CCR), 1 WD/Int	5.97	4.42	3.18	3.18
595-MSP430F2272IDA	MSP430F2272IDA	TSSOP-38	16	32	1K	32	10-Bit SAR	2 16-bit (3CCR), 1 WD/Int	4.59	3.40	2.64	2.64
595-MSP430F2272IDAR	MSP430F2272IDAR	TSSOP-38	16	32	1K	32	10-Bit SAR	2 16-bit (3CCR), 1 WD/Int	4.59	3.40	2.40	2.40
595-MSP430F2272IRHAT	MSP430F2272IRHAT	QFN-40	16	32	1K	32	10-Bit SAR	2 16-bit (3CCR), 1 WD/Int	5.05	3.74	2.64	2.64
595-MSP430F2272TDA	MSP430F2272TDA	TSSOP-38	16	32	1K	32	10-Bit SAR	2 16-bit (3CCR), 1 WD/Int	5.51	4.04	2.88	2.88
595-MSP430F2274IDA	MSP430F2274IDA	TSSOP-38	16	32	1K	32	10-Bit SAR	2 16-bit (3CCR), 1 WD/Int	5.16	3.82	3.00	3.00
595-MSP430F2274IDAR	MSP430F2274IDAR	TSSOP-38	16	32	1K	32	10-Bit SAR	2 16-bit (3CCR), 1 WD/Int	5.16	3.82	2.70	2.70
595-MSP430F2274IRHAT	MSP430F2274IRHAT	QFN-40	16	32	1K	32	10-Bit SAR	2 16-bit (3CCR), 1 WD/Int	5.75	4.26	3.00	3.00
595-MSP430F2274TDA	MSP430F2274TDA	TSSOP-38	16	32	1K	32	10-Bit SAR	2 16-bit (3CCR), 1 WD/Int	5.75	4.50	3.24	3.24
595-MSP430F2274TRHAT	MSP430F2274TRHAT	QFN-40	16	32	1K	32	10-Bit SAR	2 16-bit (3CCR), 1 WD/Int	6.21	4.60	3.24	3.24
595-MSP430F2370IRHAT	MSP430F2370IRHAT	QFN-40	16	32	2K	32	Slope	2 16-bit (3CCR), 1 WD/Int	3.82	3.08	2.58	2.58
595-MSP430F2370TRHAT	MSP430F2370TRHAT	QFN-40	16	32	2K	32	Slope	2 16-bit (3CCR), 1 WD/Int	5.39	3.66	2.82	2.82
595-MSP430F2471TPM	MSP430F2471TPM	LQFP-64	16	32	4K	48	Slope	1 16-bit (3CCDR), 1 16-bit (7CCR), 1 WD/Int	7.24	5.36	3.78	3.78
595-MSP430F2471TRGCT	MSP430F2471TRGCT	QFN-64	16	32	4K	48	Slope	1 16-bit (3CCDR), 1 16-bit (7CCR), 1 WD/Int	7.24	5.36	3.84	3.84
595-MSP430F247TPM	MSP430F247TPM	LQFP-64	16	32	4K	48	12-Bit SAR	1 16-bit (3CCDR), 1 16-bit (7CCR), 1 WD/Int	6.32	5.04	4.79	4.79
595-MSP430F247TRGCT	MSP430F247TRGCT	QFN-64	16	32	4K	48	12-Bit SAR	1 16-bit (3CCDR), 1 16-bit (7CCR), 1 WD/Int	6.32	4.68	3.60	3.60
595-MSP430F248TPM	MSP430F248TPM	LQFP-64	16	48	4K	48	12-Bit SAR	1 16-bit (3CCDR), 1 16-bit (7CCR), 1 WD/Int	7.80	5.78	5.34	5.34
595-MSP430F2410TPM	MSP430F2410TPM	LQFP-64	16	56	4K	48	12-Bit SAR	1 16-bit (3CCDR), 1 16-bit (7CCR), 1 WD/Int	10.56	7.82	7.23	7.23
595-MSP430F2410TPMR	MSP430F2410TPMR	LQFP-64	16	56	4K	48	12-Bit SAR	1 16-bit (3CCDR), 1 16-bit (7CCR), 1 WD/Int	10.56	7.82	5.52	5.52
595-MSP430F2410TRGCT	MSP430F2410TRGCT	VQFN-64	16	56	4K	48	12-Bit SAR	1 16-bit (3CCDR), 1 16-bit (7CCR), 1 WD/Int	10.56	7.82	5.58	5.58
595-MSP430F249TPM	MSP430F249TPM	LQFP-64	16	60	2K	48	12-Bit SAR	1 16-bit (3CCDR), 1 16-bit (7CCR), 1 WD/Int	8.51	6.30	5.82	5.82
595-MSP430F249TPMR	MSP430F249TPMR	LQFP-64	16	60	2K	48	12-Bit SAR	1 16-bit (3CCDR), 1 16-bit (7CCR), 1 WD/Int	8.51	6.30	4.44	4.44
595-MSP430F2417TPM	MSP430F2417TPM	LQFP-64	16	92	8K	48, 64	12-Bit SAR	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	11.02	8.16	7.54	7.54
595-MSP430F2416TPM	MSP430F2416TPM	LQFP-64	16	92	4K	48, 64	12-Bit SAR	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	10.80	8.00	7.40	7.40
595-MSP430F2616TPM	MSP430F2616TPM	LQFP-64	16	92	4K	48, 64	12-Bit SAR	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	13.42	9.94	9.19	9.19
595-MSP430F2617TPM	MSP430F2617TPM	LQFP-64	16	92	8K	48, 64	12-Bit SAR	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	13.88	10.28	8.73	8.73
595-MSP430F2418TPM	MSP430F2418TPM	LQFP-64	16	116	8K	48, 64	12-Bit SAR	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	11.48	8.50	7.86	7.86
595-MSP430F2418TPMR	MSP430F2418TPMR	LQFP-64	16	116	8K	48, 64	12-Bit SAR	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	11.48	8.50	6.00	6.00
595-MSP430F2418TPN	MSP430F2418TPN	LQFP-64	16	116	8K	48, 64	12-Bit SAR	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	8.50	7.50	6.00	6.00
595-MSP430F2618TPM	MSP430F2618TPM	LQFP-64	16	116	8K	48, 64	12-Bit SAR	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	14.58	10.80	9.18	9.18
595-MSP430F2618TPMR	MSP430F2618TPMR	LQFP-64	16	116	8K	48, 64	12-Bit SAR	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	14.58	10.80	7.62	7.62
595-MSP430F2618TPN	MSP430F2618TPN	LQFP-64	16	116	8K	48, 64	12-Bit SAR	1 16-bit (3CCR), 1 16-bit (7CCR), 1 WD/Int	14.58	10.80	9.18	9.18