

TEXAS INSTRUMENTS DSPs



MCU / MPU / DSP

Products may be RoHS compliant.
Check mouser.com for RoHS status.

F28X DELFINO™ SERIES MICROCONTROLLERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Peak MMACS	FPU	Freq (MHz)	RAM (KB)	EMIF	DMA	PWM	CAP/QEP	I2C	UART	Timers	Price Each			
														1	25	100	250
595-TMS320F28334PGFA	TMS320F28334PGFA	LQFP-176	150	Yes	150	68	1 32/16-Bit	1 6-Ch DMA	16-Ch	4/2	1	3 SCI	1 WD, 3 32-Bit CPU	29.16	24.78	22.96	21.14
595-TMS320F28335PGFA	TMS320F28335PGFA	LQFP-176	150	Yes	150	68	1 32/16-Bit	1 6-Ch DMA	18-Ch	6/2	1	3 SCI	1 WD, 3 32-Bit CPU	31.30	26.60	24.64	22.69
595-M320F28335PTMPMP	SM320F28335PTMPMP	HLQFP-176	150	Yes	150	68	1 32/16-Bit	1 6-Ch DMA	18-Ch	6/2	1	3 SCI	1 WD, 3 32-Bit CPU	74.25	66.37	63.00	59.16
595-TMS320F28335PTPQ	TMS320F28335PTPQ	HLQFP-176	150	Yes	150	68	1 32/16-Bit	1 6-Ch DMA	16-Ch	6/2	1	3 SCI	1 WD, 3 32-Bit CPU	33.64	31.84	27.86	25.48
595-TMS320F28335ZJZA	TMS320F28335ZJZA	BGA-176	150	Yes	150	68	1 32/16-Bit	1 6-Ch DMA	18-Ch	6/2	1	3 SCI	1 WD, 3 32-Bit CPU	28.95	26.29	24.36	22.43
595-TMS320F28335ZJZS	TMS320F28335ZJZS	BGA-176	150	Yes	150	68	1 32/16-Bit	1 6-Ch DMA	18-Ch	6/2	1	3 SCI	1 WD, 3 32-Bit CPU	31.91	28.98	26.84	24.71
595-TMS320C28346ZFEQ	TMS320C28346ZFEQ	BGA-256	300	Yes	300	516	1 32/16-Bit	1 6-Ch DMA	18-Ch	6/3	1	3 SCI	1 WD, 3 32-Bit CPU	38.12	33.36	30.91	28.85

TMS320C5000™ TOOLS

MOUSER STOCK NO.	Texas Instruments Part No.	Description	Price Each
760-701014	701014	Spectrum Digital XDS510PP-Plus Emulator	495.00
760-701900	701900	Spectrum Digital XDS510™ USB Emulator	989.00
716-BH-USB-560M	BH-USB-560M	Blackhawk XDS560 USB High-Performance JTAG Emulator	2998.73
595-TMDSCCSALL-1	TMDSCCSALL-1	Code Composer Studio™ Platinum Edition v3.3	3595.00
595-TMDSDSK5509	TMDSDSK5509	TMS320C55x Low-Power Optimization DSP Starter Kit	544.50
595-TMDSDSK5416	TMDSDSK5416	TMS320C54x DSP Starter Kit, TMS320C5416 DSP based	434.50
595-TMDSDSK5510	TMDSDSK5510	TMS320C55x DSP Starter Kit, TMS320C5510 DSP based	434.50
595-TMDSUBALL	TMDSUBALL	Code Composer Studio	660.00
595-TMDXBDKFP5515	TMDXBDKFP5515	C5515 Fingerprint Development Kit	92.69

TMS320C5XX™ DSP GENERATION

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Package	RAM (KB)	ROM (KB)	DMA	ADC	McBSP	COM	Timers	MHz	MIPS	Price Each	
												1	25
595-MS320VC5401PGE50	TMS320VC5401PGE50	LQFP-144	16	8	6 ch	-	2	1 8-Bit HPI	2	50	50	8.75	7.17
595-TMS320VC5402P100	TMS320VC5402P100	LQFP-144	32	8	6 ch	-	2	1 8-Bit HPI	2	100	100	12.10	10.17
595-S320VC5402APGE16	TMS320VC5402APGE16	LQFP-144	32	32	6 ch	-	3	1 8-Bit HPI	1	128	216	21.80	18.53
595-S320VC5402AGGU16	TMS320VC5402AGGU16	BGA-144	32	32	6 ch	-	3	1 8/16-Bit HPI	1	128	216	21.80	18.53
595-TMS320VC5404PGE	TMS320VC5404PGE	LQFP-144	32	128	6 ch	-	3	1 8/16-Bit HPI	2	120	120	17.60	14.80
595-S320VC5502PGF300	TMS320VC5502PGF300	LQFP-176	64	32	6 ch	-	3	1 8/16-Bit HPI	3	300	600	17.82	14.98
595-TMS320VC5409AP12	TMS320VC5409AP12	LQFP-144	64	32	6 ch	-	3	1 8/16-Bit HPI	1	120	120	24.60	20.91
595-TMS320VC5409AG12	TMS320VC5409AG12	BGA-144	64	32	6 ch	-	3	1 8/16-Bit HPI	1	120	120	24.60	20.91
595-TMS320VC5409AP16	TMS320VC5409AP16	LQFP-144	64	32	6 ch	-	3	1 8/16-Bit HPI	1	160	160	27.30	23.20
595-TMS320VC5503GHH	TMS320VC5503GHH	BGA-179	64	64	6 ch	-	3	1 16-Bit HPI	2	200	400	14.85	12.48
595-TMS320VC5407PGE	TMS320VC5407PGE	LQFP-144	80	256	6 ch	-	3	1 8/16-Bit HPI	2	120	120	19.69	16.55
595-TMS320VC5407GGU	TMS320VC5407GGU	BGA-144	80	256	6 ch	-	3	1 8/16-Bit HPI	2	120	120	19.69	16.55
595-S320VC5410APGE12	TMS320VC5410APGE12	LQFP-144	128	32	6 ch	-	3	1 8/16-Bit HPI	1	120	120	29.60	25.16
595-S320VC5410AGGU12	TMS320VC5410AGGU12	BGA-144	128	32	6 ch	-	3	1 8/16-Bit HPI	1	120	120	29.60	25.16
595-S320VC5410APGE16	TMS320VC5410APGE16	LQFP-144	128	32	6 ch	-	3	1 8/16-Bit HPI	1	160	160	32.90	27.96
595-S320VC5410AGGU16	TMS320VC5410AGGU16	BGA-144	128	32	6 ch	-	3	1 8/16-Bit HPI	1	160	160	32.90	27.96
595-320VC5506GHH	TMS320VC5506GHH	BGA-179	128	64	6 ch	-	3	-	2	200	400	14.30	12.02
595-320VC5506PGE	TMS320VC5506PGE	LQFP-144	128	64	6 ch	-	3	-	2	200	400	14.30	12.02
595-TMS320VC5507PGE	TMS320VC5507PGE	LQFP-144	128	64	6 ch	1	3	1 16-Bit EHPI	2	200	400	20.79	17.48
595-S320VC5416PGE120	TMS320VC5416PGE120	LQFP-144	256	32	6 ch	-	3	1 8/16-Bit HPI	1	120	120	45.70	39.52
595-S320VC5416PGE160	TMS320VC5416PGE160	LQFP-144	256	32	6 ch	-	3	1 8/16-Bit HPI	1	160	160	50.69	43.84
595-TMS320VC5416GGU160	TMS320VC5416GGU160	BGA-144	256	32	6 ch	-	3	1 8/16-Bit HPI	1	160	160	50.69	43.84
595-TMS320VC5509AGHH	TMS320VC5509AGHH	BGA-179	256	64	6 ch	1	3	1 16-Bit EHPI	2	200	400	28.80	24.48
595-MS320VC5509APGE	TMS320VC5509APGE	LQFP-144	256	64	6 ch	1	3	1 16-Bit EHPI	2	200	400	28.80	24.48
595-320VC5510AGGW1	TMS320VC5510AGGW1	MICROSTAR BGA-240	320	32	6 ch	-	3	1 16-Bit EHPI	2	160	320	28.44	24.17
595-TMS320VC5510AW2	TMS320VC5510AGGW2	MICROSTAR BGA-240	320	32	6 ch	-	3	1 16-Bit EHPI	2	200	400	34.00	28.90
595-320VC5510AZGW2	TMS320VC5510AZGW2	BGA-240	320	32	6 ch	-	3	1 16-Bit EHPI	2	200	400	34.00	28.90

TMS320C6000™ DSP TOOLS

MOUSER STOCK NO.	Texas Instruments Part No.	Description	Price Each
760-701014	701014	Spectrum Digital XDS510PP-Plus Emulator	495.00
760-701900	701900	Spectrum Digital XDS510™ USB Emulator	989.00
716-BH-PCI-560	BH-PCI-560	Blackhawk XDS560™ JTAG PCI Emulator	2749.98
716-BH-USB-560M	BH-USB-560M	Blackhawk XDS560 USB HP JTAG Emulator	2998.73
716-BH-USB-560T	BH-USB-560T	Blackhawk XDS560 USB Trace Emulator	9995.00
595-TMDSCCSALL-1	TMDSCCSALL-1	Digital Video Software Production Bundle	3595.00
595-TMDSSEVM642	TMDSSEVM642	TMS320C6416 DSP Starter Kit	544.50
595-TMDSUBALL	TMDSUBALL	TMS320DM642 Evaluation Module	1995.00
		CCStudio Development Tools	660.00

OMAP PROCESSOR

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MOUSER STOCK NO.	Texas Instruments Part No.	Package	RISC Freq./ Freq. (MHz)	Peak MMACS	On-Chip L1/SRAM On-Chip L2/SRAM (KB)	McASP	McBSP	Interface	Timers	Price Each	
										1	25
595-OMAPL138BZWT3	OMAPL138BZWT3	NFBGA-361	375, 456	3000, 3648	64/256	1	2	2xI2C/2xSPI/3xUART/2xUSB	4	34.20	29.07

TMS320C64X™ - PERFORMANCE VALUE FIXED-POINT DSPS

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MOUSER STOCK NO.	Texas Instruments Part No.	Package	Internal RAM L1 Program Cache/L1 Data Cache/L2 Unified RAM Cache	McBSP	Enhanced DMA (Chan)	COM	Timers	MHz	MIPS	Price Each	
										1	25
595-MS320C6413GTS500	TMS320C6413GTS500	FCBGA-288	16K/16K/256K	2	64	HPI 32/16	3	500	4000	43.85	37.92
595-320C6416TBGLZ1	TMS320C6416TBGLZ1	FCBGA-532	128K/128K/8M	3	64	HPI36/16	3	1000	8000	289.02	268.19
595-MS320C6418GTS600	TMS320C6418GTS600	FCBGA-288	16K/16K/512K	2	64	HPI 32/16	3	600	4800	72.85	65.12
595-TMS320C6424ZWT4	TMS320C6424ZWT4	BGA-361	32K/80K/128K	2	64	PCI/HPI/EMAC	3	400	3200	34.59	29.75
595-TMS320C6424ZWT5	TMS320C6424ZWT5	BGA-361	32K/80K/128K	2	64	PCI/HPI/EMAC	3	500	4000	37.77	34.63
595-TMS320C6424ZDUQ5	TMS320C6424ZDUQ5	BGA-376	32K/80K/128K	2	64	PCI/HPI/EMAC	3	500	4000	47.72	41.76
595-TMS320C6424ZWT6	TMS320C6424ZWT6	BGA-361	32K/80K/128K	2	64	PCI/HPI/EMAC	3	600	4800	50.88	44.00
595-TMS320C6421ZWT4	TMS320C6421ZWT4	BGA-361	48K/16K/64K	1	64	HPI/EMAC	3	400	3200	17.07	15.61
595-TMS320C6421ZWT5	TMS320C6421ZWT5	BGA-361	48K/16K/64K	1	64	HPI/EMAC	3	500	4000	26.78	23.03
595-TMS320C6421ZDUQ5	TMS320C6421ZDUQ5	BGA-376	48K/16K/64K	1	64	HPI/EMAC	3	500	4000	29.60	26.88
595-TMS320C6421ZWT6	TMS320C6421ZWT6	BGA-361	48K/16K/64K	1	64	HPI/EMAC	3	600	4800	37.94	32.64

