

TEXAS INSTRUMENTS DSPs



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

MCU / MPU / DSP

Texas Instruments

DAVINCI™ DIGITAL MEDIA PROCESSOR TOOLS

MOUSER STOCK NO.	TI Part No.	Description	Price Each
595-TMDSEVM6446	TMDSEVM6446	TMS320DM6446 Digital Video Eval Module	2495.00
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	2750.00
716-BH-USB-560M	BH-USB-560M	Blackhawk XDS560 USB HP JTAG Emulator	2999.00
716-BH-USB-560T	BH-USB-560T	Blackhawk XDS560 USB Trace Emulator	9995.00
595-TMDSCCSALL-1	TMDSCCSALL-1	Code Composer Studio Platinum Edition v3.3	1995.12
595-TMDSSUBALL	TMDSSUBALL	CCStudio Development Tools	600.00
778-LYR170-611	LYR170-611	Lyrtech Small Form Factor SDR Development Platform	9900.00
778-LSP125-601	LSP125-601	Lyrtech Signal Wave-DSP-FPGA-based Development Platform	5000.00

DAVINCI™ DIGITAL MEDIA PROCESSORS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	CPU	Frequency (MHz)	L1/SRAM (Bytes)	L2/SRAM (Bytes)	ROM K Bytes	Price Each	
								1	25
595-TMS320DM6431ZWT3	TMS320DM6431ZWT3	BGA-361	C64x+, DaVinci Video	300	64	64	64	15.65	14.62
595-TMS320DM6431ZDU3	TMS320DM6431ZDU3	BGA-376	C64x+, DaVinci Video	300	64	64	64	16.87	15.75
595-TMS320DM6433ZWT4	TMS320DM6433ZWT4	BGA-361	C64x+, DaVinci Video	400	112	128	64	25.86	24.48
595-TMS320DM6433ZWT5	TMS320DM6433ZWT5	BGA-361	C64x+, DaVinci Video	500	112	128	64	24.30	21.06
595-TMS320DM6433ZWT6	TMS320DM6433ZWT6	BGA-361	C64x+, DaVinci Video	600	112	128	64	27.07	23.46
595-TMS320DM6433ZDU4	TMS320DM6433ZDU4	BGA-376	C64x+, DaVinci Video	400	112	128	64	25.86	24.48
595-TMS320DM6433ZDU6	TMS320DM6433ZDU6	BGA-376	C64x+, DaVinci Video	600	112	128	64	27.07	25.27
595-TMS320DM6435ZWT4	TMS320DM6435ZWT4	BGA-361	C64x+, DaVinci Video	400	112	128	64	23.77	22.19
595-TMS320DM6435ZWT5	TMS320DM6435ZWT5	BGA-361	C64x+, DaVinci Video	500	112	128	64	25.20	21.84
595-TMS320DM6435ZWT6	TMS320DM6435ZWT6	BGA-361	C64x+, DaVinci Video	600	112	128	64	28.05	26.18
595-TMS320DM6435ZDU6	TMS320DM6435ZDU6	BGA-376	C64x+, DaVinci Video	600	112	128	64	28.05	24.31
595-TMS320DM6437ZWT4	TMS320DM6437ZWT4	BGA-361	C64x+, DaVinci Video	400	112	128	64	30.51	28.49
595-TMS320DM6437ZWT5	TMS320DM6437ZWT5	BGA-361	C64x+, DaVinci Video	500	112	128	64	32.31	30.16
595-TMS320DM6437ZWT6	TMS320DM6437ZWT6	BGA-361	C64x+, DaVinci Video	600	112	128	64	36.00	33.60
595-TMS320DM6437ZDU4	TMS320DM6437ZDU4	BGA-376	C64x+, DaVinci Video	400	112	128	64	30.51	26.45
595-TMS320DM6437ZDU5	TMS320DM6437ZDU5	BGA-376	C64x+, DaVinci Video	500	112	128	64	32.31	30.16
595-TMS320DM6437ZDU6	TMS320DM6437ZDU6	BGA-376	C64x+, DaVinci Video	600	112	128	64	36.00	31.20
595-TMS320DM647ZUT7	TMS320DM647ZUT7	FCBGA-529	C64x+, DaVinci Video	720, 900	32/32	256	64	55.56	48.16
595-TMS320DM647ZUT9	TMS320DM647ZUT9	FCBGA-529	C64x+, DaVinci Video	720, 900	32/32	256	64	69.52	60.25
595-TMS320DM648ZUT7	TMS320DM648ZUT7	FCBGA-529	C64x+, DaVinci Video	720, 900	32/32	512	64	69.52	60.25
595-TMS320DM648ZUT9	TMS320DM648ZUT9	FCBGA-529	C64x+, DaVinci Video	720, 900	32/32	512	64	86.91	75.33
595-MS320DM355ZCE216	TMS320DM355ZCE216	-	ARM 9, Davinci Video	216	-	-	8	19.49	18.20
595-MS320DM355ZCE270	TMS320DM355ZCE270	-	Arm 9, Davinci Video	270	-	-	8	27.83	25.97

TMS320C645, DSP GENERATION-HIGHEST-PERFORMANCE FIXED-POINT DSPS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Internal RAM L1 Program Cache/L1 Data Cache/L2 Unified RAM Cache	McASP	McBSP	TSIP	Enhanced DMA (Chan)	Timers	MHz	MIPS	Price Each	
											1	25
595-TMS320C6455BZT22	TMS320C6455BZT22	FCBGA-697	32K/32K/2M	-	2+Utopia	-	64	2	1200	9600	323.62	302.04
595-320C6455BZT2	TMS320C6455BZT2	FCBGA-697	32K/32K/2M	-	2+Utopia	-	64	2	1000	8000	257.09	239.95
595-320C6455BZT28	TMS320C6455BZT28	FCBGA-697	32K/32K/2M	-	2+Utopia	-	64	2	850	6800	223.34	208.46
595-320C6455BZT7	TMS320C6455BZT7	FCBGA-697	32K/32K/2M	-	2+Utopia	-	64	2	720	5760	189.22	176.61
595-320C6454BZT2	TMS320C6454BZT2	FCBGA-687	32K/32K/1M	-	2	-	64	2	1000	8000	201.22	187.81
595-320C6454BZT28	TMS320C6454BZT28	FCBGA-687	32K/32K/1M	-	2	-	64	2	850	6800	159.45	148.82
595-320C6454BZT7	TMS320C6454BZT7	FCBGA-687	32K/32K/1M	-	2	-	64	2	720	5760	130.65	121.94
595-TMS320C6452ZUT9	TMS320C6452ZUT9	FCBGA-529	32K/32K/1.4M	1	-	2	64	4	900	7200	137.02	118.75

TMS320C67X™ DSP GENERATION - FLOATING-POINT DSPS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	RAM (Bytes) Data/Prog	McBSP	McASP	DMA	COM	SPI/I2C	MHz	Cycle (ns)	MFLOPS	Price Each	
												1	25
595-S320C6722BRFP200	TMS320C6722BRFP200	HTQFP-144	32K/128K/384K	-	2	dMAX	-	2/2	200	5	1200	15.61	14.02
595-TMSDC6722BRF225	TMSDC6722BRFPA225	HTQFP-144	32K/128K/384K	-	2	dMAX	-	2/2	225	4.4	1350	16.20	15.12
595-S320C6722BRFP250	TMS320C6722BRFP250	HTQFP-144	32K/128K/384K	-	2	dMAX	-	2/2	250	4	1500	16.20	15.12
595-S320C6712DGD150	TMS320C6712DGD150	BGA-272	4K/4K/64K	2	-	16	-	-	150	6.7	900	26.70	19.09
595-S320C6726BRFP266	TMS320C6726BRFP266	HTQFP-144	32K/256K/384K	-	3	dMAX	-	2/2	266	3.75	1600	21.00	19.60
595-S320C6711DGD200	TMS320C6711DGD200	BGA-272	4K/4K/64K	2	-	16	HPI/16	-	200	5	1200	22.50	21.00
595-S320C6711DGD250	TMS320C6711DGD250	BGA-272	4K/4K/64K	2	-	16	HPI/16	-	250	4	1500	24.30	22.68
595-S320C6711DZDP250	TMS320C6711DZDP250	BGA-272	4K/4K/64K	2	-	16	HPI/16	-	250	4	1500	24.30	22.68
595-320C6727BZDH275	TMS320C6727BZDH275	BGA-256	32K/256K/384K	-	3	dMAX	UHPI	2/2	275	3.63	1650	26.32	24.57
595-S320C6713BPYP200	TMS320C6713BPYP200	HLQFP-208	4K/4K/256K	2	2	16	HPI/16	-	200	5	1200	26.40	24.64
595-TMS32C6711DGD167	TMS32C6711DGDPA167	BGA-272	4K/4K/64K	2	-	16	HPI/16	-	200	5	1200	28.12	26.25
595-TMS32C6711DZD167	TMS32C6711DZDPA167	BGA-272	4K/4K/64K	2	-	16	HPI/16	-	150	6.7	900	28.12	26.25
595-TMSDC6727BZD250	TMSDC6727BZDHA250	BGA-256	32K/256K/384K	-	3	dMAX	UHPI	2/2	250	4	1500	29.76	27.79
595-320C6727BZDH300	TMS320C6727BZDH300	BGA-256	32K/256K/384K	-	3	dMAX	UHPI	2/2	300	3.3	1800	29.76	27.79
595-TMS32C6713BPYP200	TMS32C6713BPYP200	HLQFP-208	4K/4K/256K	2	2	16	HPI/16	-	200	5	1200	31.57	29.47
595-S320C6713BGDP225	TMS320C6713BGDP225	BGA-272	4K/4K/256K	2	2	16	HPI/16	-	225	4.4	1350	34.56	32.27
595-TMS32C6713BGDP200	TMS32C6713BGDPA200	BGA-272	4K/4K/256K	2	2	16	HPI/16	-	200	5	1200	35.25	32.90
595-320C6727BZDH350	TMS320C6727BZDH350	BGA-256	32K/256K/384K	-	3	dMAX	UHPI	2/2	350	2.86	2100	40.72	35.29
595-S320C6713BGDP300	TMS320C6713BGDP300	BGA-272	4K/4K/256K	2	2	16	HPI/16	-	300	3.3	1800	45.81	42.77

