

National Semiconductor		Digi-Reel®		A/D AND D/A CONVERTERS (Continued)	
Digi-Key Part No.	Description	Pkg.	Price Each*		
			1	25	100
ADC08200C1MT-ND	8-Bit, 20-200MSPS, 1.05mW/MSPS A/D Converter*	24-TSSOP	12.76	10.94	9.70
ADC08351C1LOCT-ND	8-Bit, A/D Converter	24-LLP	4.78	3.63	2.77
ADC08351C1QTR-ND	8-Bit, A/D Converter	24-LLP	2406.60	1,000	
ADC08351C1MTC-ND	8-Bit, A/D Converter	20-TSSOP	4.55	3.46	2.64
ADC08831M-ND	8-Bit, Serial In/Out A/D Converter, 1-Input*	8-SOIC	2.51	1.87	1.38
ADC08831MMCT-ND	8-Bit, Serial In/Out A/D Converter, 1-Input	8-MSOP	2.51	1.87	1.38
ADC08831MMTR-ND	8-Bit, Serial In/Out A/D Converter, 1-Input	8-MSOP	1036.80	1,000	
ADC08831M-ND	8-Bit, Serial In/Out A/D Converter, 1-Input	8-Dip	2.51	1.87	1.38
ADC08831IWM-ND	8-Bit, Serial In/Out A/D Converter, 1-Input	14-SOIC	2.51	1.87	1.38
ADC08832M-ND	8-Bit, Serial In/Out A/D Converter, 2-Input*	8-SOIC	2.51	1.87	1.38
ADC08832MMCT-ND	8-Bit, Serial In/Out A/D Converter, 2-Input	8-MSOP	2.51	1.87	1.38
ADC08832MMTR-ND	8-Bit, Serial In/Out A/D Converter, 2-Input	8-MSOP	1036.80	1,000	
ADC08832IWM-ND	8-Bit, Serial In/Out A/D Converter, 2-Input	8-Dip	2.51	1.87	1.38
ADC08832IWM-ND	8-Bit, Serial In/Out A/D Converter	14-SOIC	2.51	1.87	1.38
ADC083000C1YB-ND	8 Bit, 365PS, High Performance, LP A/D Converter*	128-LQFP	978.00		
ADC10030CIVT-ND	10-Bit, A/D Converter	32-LQFP	7.64	6.05	4.85
ADC10040CIVT-ND	10-Bit, A/D Converter	28-TSSOP	7.48	5.91	4.74
ADC10065CIVT-ND	10-Bit, A/D Converter*	28-TSSOP	8.32	6.58	5.27
ADC10080CIVT-ND	10-Bit, A/D Converter*	28-TSSOP	8.99	7.11	5.70
ADC10158CIN-ND	10-Bit, Plus Sign 4.5 ADC w/4 or 8-Channel Mux, Track*	28-Dip	7.25	5.73	4.59
ADC10158CIVM-ND	10-Bit, Plus Sign 4.5 ADC w/4 or 8-Channel Mux, Track	28-SOIC	5.71	4.52	3.62
ADC10321CIVT-ND	10-Bit, A/D Converter*	32-LQFP	6.68	5.28	4.23
ADC10464CIVM-ND	10-Bit, 600nS A/D Converter with Input Mux*	28-SOIC	6.74	5.33	4.27
ADC10664CIVM-ND	10-Bit, 360nS A/D Converter with Input Mux*	28-SOIC	6.18	4.70	3.59
ADC10738CIVM-ND	10-Bit, Serial In/Out A/D Converter*	24-SOIC	5.40	4.11	3.14
ADC12010CIVY-ND	12-Bit, 10MSPS, A/D Converter*	32-LQFP	9.73	8.34	7.40
ADC12020CIVY-ND	12-Bit, 20MSPS, A/D Converter	32-LQFP	14.25	12.21	10.83
ADC12034CIN-ND	12-Bit, A/D Converter*	24-Dip	9.83	7.77	6.23
ADC12038CIVM-ND	12-Bit, A/D Converter*	28-SOIC	6.51	5.15	4.13
ADC12040CIVY-ND	12-Bit, 40MSPS, A/D Converter*	32-LQFP	14.96	12.83	11.38
ADC12081CIVT-ND	12-Bit, 5MHz Self-Calibrating A/D Converter*	32-LQFP	10.68	9.15	8.12
ADC12130CIN-ND	12-Bit, Self-Calibrating A/D Converter Plus Sign Serial I/O	16-Dip	7.20	5.70	4.57
ADC12138CIN-ND	12-Bit, Self-Calibrating A/D Converter Plus Sign Serial I/O	28-Dip	7.01	5.55	4.45
ADC12138CIVM-ND	12-Bit, Self-Calibrating A/D Converter Plus Sign Serial I/O	28-SOIC	7.01	5.55	4.45
ADC14155CISQCT-ND	14-Bit, 155MSPS, 1.1GHz Bandwidth ADC*	48-LLP	122.25	114.10	105.95
ADC14155CISQTR-ND	14-Bit, 155MSPS, 1.1GHz Bandwidth ADC*	48-LLP	258.76	259.50	
ADCS7476AIMFCT-ND	8-Bit, 1MSPS, A/D Converter*	SOT-23-6	4.63	3.52	2.69
ADCS7476AIMFTR-ND	8-Bit, 1MSPS, A/D Converter*	SOT-23-6	2312.50	1,000	
ADCS7477AIMFCT-ND	10-Bit, 1MSPS, A/D Converter*	SOT-23-6	3.63	2.76	2.11
ADCS7477AIMFTR-ND	10-Bit, 1MSPS, A/D Converter*	SOT-23-6	1827.00	1,000	
ADCS7478AIMFCT-ND	8-Bit, 1MSPS, A/D Converter	SOT-23-6	3.00	2.28	1.74
ADCS7478AIMFTR-ND	8-Bit, 1MSPS, A/D Converter	SOT-23-6	1512.00	1,000	
ADCS9888CVH-140-ND	140MSPS Video Analog Front End*	128-PQFP	15.14	12.98	11.51
ADCS9890CVH-170-ND	170MSPS Video Analog Front End*	128-PQFP	17.40	16.24	15.08
ADCS9888CVH-205-ND	205MSPS Video Analog Front End*	128-PQFP	22.65	21.14	19.63
ADCV08832C1M-ND	Low Voltage, 8-Bit Serial In/Out A/D Converter*	8-SOIC	3.05	2.32	1.77
CLC5957MTD-ND	12-Bit, 70MSPS Broadband Mono A/D Converter*	48-TSSOP	27.30	25.48	23.66

### D/A Converters

DAC0815101CIMCKT-ND	8-Bit D/A Converter with Rail-to-Rail Output*	TSOT-23-6	2.36	1.75	1.30
DAC0815101CIMCKTR-ND	8-Bit D/A Converter with Rail-to-Rail Output*	TSOT-23-6	972.00	1,000	
DAC0815101CIMMCT-ND	8-Bit D/A Converter with Rail-to-Rail Output*	8-MSOP	2.36	1.75	1.30
DAC0815101CIMMTR-ND	8-Bit D/A Converter with Rail-to-Rail Output*	8-MSOP	972.00	1,000	
DAC0825085CIMMCT-ND	8-Bit Micropower Dual DAC with Rail-to-Rail Output*	10-MSOP	2.85	2.17	1.66
DAC0825085CIMMTR-ND	8-Bit Micropower Dual DAC with Rail-to-Rail Output*	10-MSOP	1436.40	1,000	
DAC0845085CIMMCT-ND	8-Bit Micropower Quad DAC with Rail-to-Rail Output*	10-MSOP	3.58	2.72	2.08
DAC0845085CIMMTR-ND	8-Bit Micropower Quad DAC with Rail-to-Rail Output*	10-MSOP	1801.80	1,000	
DAC0885085CIMT-ND	8-Bit Micropower Octal DAC with R/R Output*	16-TSSOP	5.25	4.15	3.33
DAC0885085CIMTR-ND	8-Bit Micropower Octal DAC with R/R Output*	16-TSSOP	3.03	2.30	1.76
DAC1015101CIMCKT-ND	10-Bit D/A Converter with Rail-to-Rail Output*	TSOT-23-6	1524.60	1,000	
DAC1015101CIMCKTR-ND	10-Bit D/A Converter with Rail-to-Rail Output*	8-MSOP	3.03	2.30	1.76
DAC1015101CIMMCT-ND	10-Bit D/A Converter with Rail-to-Rail Output*	8-MSOP	1524.60	1,000	
DAC1015101CIMMTR-ND	10-Bit D/A Converter with Rail-to-Rail Output*	8-MSOP	1524.60	1,000	
DAC1025085CIMMCT-ND	10-Bit Micropower Dual DAC with Rail-to-Rail Output*	10-MSOP	4.28	3.25	2.48
DAC1025085CIMMTR-ND	10-Bit Micropower Dual DAC with Rail-to-Rail Output*	10-MSOP	2154.60	1,000	
DAC1045085CIMMCT-ND	10-Bit Micropower Quad DAC with Rail-to-Rail Output*	10-MSOP	5.59	4.42	3.54
DAC1045085CIMMTR-ND	10-Bit Micropower Quad DAC with Rail-to-Rail Output*	10-MSOP	3298.40	1,000	
DAC1085085CIMT-ND	10-Bit Micropower Octal DAC with R/R Output*	16-TSSOP	7.60	6.01	4.82
DAC1215101CIMCKT-ND	12-Bit D/A Converter with Rail-to-Rail Output*	6-TSOT	3.45	2.63	2.01
DAC1215101CIMCKTR-ND	12-Bit D/A Converter with Rail-to-Rail Output*	6-TSOT	1738.80	1,000	
DAC1215101CIMMCT-ND	12-Bit D/A Converter with Rail-to-Rail Output*	8-MSOP	3.45	2.63	2.01
DAC1215101CIMMTR-ND	12-Bit D/A Converter with Rail-to-Rail Output*	8-MSOP	1738.80	1,000	
DAC1225085CIMMCT-ND	12-Bit Micropower Dual DAC with Rail-to-Rail Output*	10-MSOP	5.10	3.88	2.96
DAC1225085CIMMTR-ND	12-Bit Micropower Dual DAC with Rail-to-Rail Output*	10-MSOP	2570.40	1,000	
DAC1245085CIMMCT-ND	12-Bit Micropower Quad DAC with Rail-to-Rail Output*	10-MSOP	7.18	5.68	4.55
DAC1245085CIMMTR-ND	12-Bit Micropower Quad DAC with Rail-to-Rail Output*	10-MSOP	4240.80	1,000	
DAC1285085CIMT-ND	12-Bit, Micropower 8-Ch. DAC, R/R Output* <b>NEW!</b>	16-TSSOP	10.48	8.99	7.97
DAC1285085CISQCT-ND	12-Bit, Micropower 8-Ch. DAC, R/R Output* <b>NEW!</b>	16-LLP	10.48	8.99	7.97
DAC1285085CISQTR-ND	12-Bit, Micropower 8-Ch. DAC, R/R Output* <b>NEW!</b>	16-LLP	7427.60	1,000	
DAC0800LCM-ND	8-Bit, D/A Converter*	16-SOIC	1.73	1.27	.92
DAC0800LCMXTR-ND	8-Bit, D/A Converter	16-SOIC	1466.25	2,500	
DAC0800LCN-ND	8-Bit, D/A Converter 0.19% Linearity*	16-Dip	1.71	1.27	.94
DAC0802LCN-ND	8-Bit, D/A Converter	16-SOIC	1.98	1.48	1.09
DAC0802LCN-ND	8-Bit, D/A Converter*	16-Dip	1.92	1.43	1.06
DAC0808LCN-ND	8-Bit, D/A Converter*	16-SOIC	1.64	1.22	.91
DAC0808LCN-ND	8-Bit, D/A Converter 0.19% Linearity*	16-Dip	1.92	1.43	1.06
DAC0830LCN-ND	8-Bit, $\mu$ P Compatible Double Buffered D/A Converter*	20-Dip	5.90	4.67	3.74
DAC0832LCN-ND	8-Bit, $\mu$ P Compatible D/A Converter 0.20% Linearity*	20-Dip	3.40	2.59	1.98
DAC0832LCWM-ND	8-Bit, $\mu$ P Compatible D/A Converter*	20-SOIC	3.13	2.38	1.82
DAC14135MT-ND	14-Bit, 135MSPS D/A Converter*	48-TSSOP	9.11	7.21	5.78

National Semiconductor		Digi-Reel®		DATA COMMUNICATIONS	
Digi-Key Part No.	Description	Pkg.	Price Each*		
			1	25	100
CP3B710K38-ND	24MHz, RISC with 256K Flash, Bluetooth (LLC), USB1.1	48-CSP	15.60	14.56	13.52
CP3B713K38-ND	24MHz, RISC with 256K Flash, Bluetooth (LLC), CAN	48-CSP	16.80	15.68	14.56
CP3UB17K38CT-ND	Reprogrammable Connectivity Processor with USB Interface	48-CSP	17.40	16.24	15.08
CP3UB17K38TR-ND	Reprogrammable Connectivity Processor with USB Interface	48-CSP	3683.00	250	

National Semiconductor		Digi-Reel®		INTERFACE CHIPS	
Digi-Key Part No.	Description	Pkg.	Price Each*		
			1	25	100
DP83815DUJB-ND	Integrated PCI Ethernet Media Access Controller*	160-LBGA	15.45	14.42	13.39
DP83815DVNG-ND	10/100 Mb/s Integrated PCI Ethernet Media Access Controller and Physical Layer*	144-LQFP	13.53	11.60	10.29
DP83816AVNG-ND	10/100 Mb/s PCI Ethernet Media Access Controller (MacPHYTER-11M)*	144-LQFP	11.45	9.81	8.70
DP83816AVNG-EX-ND	10/100 Mb/s PCI Ethernet Media Access Controller (MacPHYTER-11M)* <b>NEW!</b>	144-LQFP	11.45	9.81	8.70
DP83843BVJ-ND	PHYTER® with Integrated PMD Sublayers*	80-PQFP	17.40	16.24	15.08
DP83846AVHG-ND	DSPHYTER® Single 10/100 Ethernet Transceiver*	80-LQFP	9.03	7.74	6.87
DP83847ALQA56A-ND	DSPHYTER II® Single 10/100 Ethernet Transceiver*	56-LLP	5.29	4.19	3.36
DP83848CIVV-ND	PHYTER® Single Port 10/100 Mb/s Ethernet Physical Layer Transceiver*	48-LQFP	5.71	4.52	3.62
DP83848IVV-ND	PHYTER® Single Port 10/100 Mb/s Ethernet Physical Layer Transceiver*	48-LQFP	6.57	5.20	4.17
DP83848JSQCT-ND	PHYTER® Mini LS Commercial Temperature Single Port 10/100 Ethernet Transceiver*	40-LLP	3.60	2.74	2.09
DP83848JSQTR-ND	PHYTER® Mini LS Commercial Temperature Single Port 10/100 Ethernet Transceiver*	40-LLP	478.80	250	
DP83848KSQCT-ND	PHYTER® Mini LS Industrial Temperature Single Port 10/100 Ethernet Transceiver*	40-LLP	4.80	3.65	2.79
DP83848KSQTR-ND	PHYTER® Mini LS Industrial Temperature Single Port 10/100 Ethernet Transceiver*	40-LLP	638.40	250	
DP83848VYB-ND	PHYTER® Extended Temp. Single Port 10/100 Mb/s Ethernet Physical Layer Transceiver*	48-LQFP	22.20	20.72	19.24
DP83849CIVV-ND	PHYTER® Dual Port 10/100 Mb/s Ethernet Physical Layer Transceiver*	80-TQFP	6.99	5.53	4.43
DP83849DVS-ND	PHYTER® Dual Port 10/100 Mb/s Ethernet Physical Layer Transceiver*	80-TQFP	8.38	6.63	5.31
DP83849FVNS-ND	PHYTER® Dual Port 10/100 Mb/s Ethernet Physical Layer Transceiver*	80-TQFP	9.98	7.89	6.32
DP83865DVH-ND	10/100/1000 Ethernet Physical Layer (Gig PHYTER®) * 128-PQFP	20-Pin	20.10	18.76	17.42
DP83902AV-ND	Serial Network Interface Controller for Twisted Pair*	84-PLCC	16.66	14.28	12.67
DS08B200TSQCT-ND	Dual 800Mbps 1:2:2:1 LVDS Mux/Buffer*	48-LLP	18.66	14.28	12.67
DS08B200TSQTR-ND	Dual 800Mbps 1:2:2:1 LVDS Mux/Buffer*	48-LLP	1085.85	250	
DS10BR150TSDCT-ND	1.0Gbps LVDS Buffer/Repeater*	8-LLP	2.98	2.27	1.73
DS10BR150TSDTR-ND	1.0Gbps LVDS Buffer/Repeater*	8-LLP	1499.40	1,000	
DS10BR254TSDCT-ND	1.5Gbps 1:4 LVDS Repeater*	40-LLP	7.88	6.23	4.99
DS10BR254TSDTR-ND	1.5Gbps 1:4 LVDS Repeater*	40-LLP	1190.63	250	
DS10CP152QMACT-ND	Auto 1.5Gbps 2x2 LVDS Crosspoint Switch* <b>NEW!</b>	16-SOIC	8.57	6.78	5.43
DS10CP152QMATR-ND	Auto 1.5Gbps 2x2 LVDS Crosspoint Switch* <b>NEW!</b>	16-SOIC	1295.40	250	
DS10CP152TMA-ND	1.5Gbps 2x2 LVDS Crosspoint Switch*	16-SOIC	7.29	5.77	4.62
DS10CP154TSQCT-ND	1.5Gbps LVDS Crosspoint Switch*	40-LLP	6.77	5.32	5.87
DS10CP154TSQTR-ND	1.5Gbps LVDS Crosspoint Switch*	40-LLP	1431.93	250	
DS14C88M-ND	Quad CMOS Line Driver*	14-SOIC	1.74	1.29	.96
DS14C88MXTN-ND	Quad CMOS Line Driver*	14-SOIC	1750.00	2,500	
DS14C88N-ND	Quad CMOS Line Driver*	14-Dip	2.95	2.19	1.62
DS14C89AM-ND	Quad CMOS Line Receiver*	14-SOIC	1.77	1.32	.97
DS14C89AMXTN-ND	Quad CMOS Line Receiver*	14-SOIC	1728.13	2,500	
DS14C89AN-ND	Quad CMOS Line Receiver*	14-Dip	2.95	2.19	1.62
DS14C232CM-ND	LV +5V, Power TIA/EIA-232 Dual Driver/Receiver*	16-SOIC	2.78	2.11	1.61
DS14C232CMXTR-ND	LV +5V, Power TIA/EIA-232 Dual Driver/Receiver*	16-SOIC	3468.75	2,500	
DS14C232CN-ND	EIA232 Dual Driver/Receiver Low Power*	16-Dip	3.10	2.36	1.80
DS14C232TM-ND	EIA232 Dual Driver/Receiver Low Power*	16-SOIC	3.00	2.28	1.74
DS14C238WM-ND	Single Supply TIA/EIA-232 4x4 Driver/Receiver*	24-SOIC	8.11	6.41	5.14
DS14C238WMTN-ND	Single Supply TIA/EIA-232 4x4 Driver/Receiver*	24-SOIC	4786.40	1,000	
DS14C241WM-ND	Single Supply TIA/EIA-232 4x5 Driver/Receiver*	28-SOIC	6.24	4.94	3.96
DS14C33MSA-ND	3.3V, Supply TIA/EIA-232 3x5 Driver/Receiver*	28-SOIC	8.25	6.53	5.23
DS14C33MSA-ND	5V, Supply TIA/EIA-232 3x5 Driver/Receiver*	28-SOIC	6.66	5.27	4.22
DS15BR40TVS-ND	4-Channel LVDS Buffer/Repeater with				