

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	18.65	14.83	12.67
ADC08351C1LOCT-ND	8-Bit, A/D Converter	24-LLP	4.89	3.89	3.32
ADC08351C1LOTR-ND	8-Bit, A/D Converter	24-LLP	2843.00/1,000		
ADC08351C1MCT-ND	8-Bit, A/D Converter	20-TSSOP	4.66	3.70	3.16
ADC08831M-ND	8-Bit, Serial In/Out A/D Converter, 1-Input*	8-SOIC	2.40	1.71	1.26
ADC08831MMCT-ND	8-Bit, Serial In/Out A/D Converter, 1-Input	8-MSOP	2.07	1.65	1.41
ADC08831MMTR-ND	8-Bit, Serial In/Out A/D Converter, 1-Input	8-MSOP	1206.00/1,000		
ADC08831N-ND	8-Bit, Serial In/Out A/D Converter, 1-Input	8-Dip	2.07	1.65	1.41
ADC08831NWM-ND	8-Bit, Serial In/Out A/D Converter, 1-Input	14-SOIC	2.07	1.65	1.41
ADC08832M-ND	8-Bit, Serial In/Out A/D Converter, 2-Input*	8-SOIC	2.07	1.65	1.41
ADC08832MMCT-ND	8-Bit, Serial In/Out A/D Converter, 2-Input	8-MSOP	2.07	1.65	1.41
ADC08832MMTR-ND	8-Bit, Serial In/Out A/D Converter, 2-Input	8-MSOP	1206.00/1,000		
ADC08832N-ND	8-Bit, Serial In/Out A/D Converter, 2-Input	8-Dip	2.07	1.65	1.41
ADC08832NWM-ND	8-Bit, Serial In/Out A/D Converter, 2-Input	14-SOIC	2.07	1.65	1.41
ADC088300C1VB-ND	8 Bit, 3GSPS, High Performance, LP A/D Converter*	128-LQFP	1500.44		
ADC10030CIVT-ND	10-Bit, A/D Converter	32-LQFP	9.31	7.41	6.33
ADC10040CIVT-ND	10-Bit, A/D Converter	28-TSSOP	9.11	7.24	6.19
ADC10065CIVT-ND	10-Bit, A/D Converter*	28-TSSOP	10.13	8.06	6.88
ADC10080CIVT-ND	10-Bit, A/D Converter*	28-TSSOP	10.95	8.71	7.44
ADC10158CIN-ND	10-Bit, Plus Sign 4½ ADC w/4 or 8-Channel Mux, Track*	28-Dip	8.83	7.02	6.00
ADC10158CIVM-ND	10-Bit, Plus Sign 4½ ADC w/4 or 8-Channel Mux, Track	28-SOIC	6.96	5.53	4.73
ADC10321CIVT-ND	10-Bit, A/D Converter*	32-LQFP	8.14	6.47	5.53
ADC10464CIVM-ND	10-Bit, 600ns A/D Converter with Input Mux*	28-SOIC	8.21	6.53	5.58
ADC10664CIVM-ND	10-Bit, 360ns A/D Converter with Input Mux*	28-SOIC	7.32	5.23	3.82
ADC10738CIVM-ND	10-Bit, Serial In/Out A/D Converter*	24-SOIC	5.53	4.39	3.76
ADC12010CIVY-ND	12-Bit, 10MSPS, A/D Converter*	32-LQFP	14.23	11.31	9.67
ADC12020CIVY-ND	12-Bit, 20MSPS, A/D Converter	32-LQFP	12.09	10.05	9.33
ADC12034CIN-ND	12-Bit, A/D Converter*	24-Dip	11.97	9.52	8.14
ADC12038CIVM-ND	12-Bit, A/D Converter*	28-SOIC	9.20	6.57	4.79
ADC12040CIVY-ND	12-Bit, 40MSPS, A/D Converter*	32-LQFP	21.88	17.40	14.86
ADC12081CIVT-ND	12-Bit, 5MHz Self-Calibrating A/D Converter*	32-LQFP	15.61	12.41	10.60
ADC12130CIN-ND	12-Bit, Self-Calibrating A/D Converter Plus Sign Serial I/O	16-Dip	6.26	5.73	4.11
ADC12138CIN-ND	12-Bit, Self-Calibrating A/D Converter Plus Sign Serial I/O*	28-Dip	6.87	6.60	6.33
ADC12138CIVM-ND	12-Bit, Self-Calibrating A/D Converter Plus Sign Serial I/O*	28-SOIC	8.55	6.80	5.81
ADC14155CISQCT-ND	14-Bit, 155MSPS, 1.1GHz Bandwidth ADC*	48-LLP	163.23/129.80/110.91		
ADC14155CISQTR-ND	14-Bit, 155MSPS, 1.1GHz Bandwidth ADC*	48-LLP	26147.50/250		
ADC57476A1MCT-ND	12-Bit, 1MSPS, A/D Converter*	SOT-23-6	4.73	3.76	3.22
ADC57476A1MCT-ND	12-Bit, 1MSPS, A/D Converter*	SOT-23-6	2753.00/1,000		
ADC57477A1MCT-ND	10-Bit, 1MSPS, A/D Converter*	SOT-23-6	3.71	2.95	2.52
ADC57477A1MCT-ND	10-Bit, 1MSPS, A/D Converter*	SOT-23-6	2158.00/1,000		
ADC57478A1MCT-ND	8-Bit, 1MSPS, A/D Converter	SOT-23-6	3.07	2.44	2.09
ADC57478A1MCT-ND	8-Bit, 1MSPS, A/D Converter	SOT-23-6	1786.00/1,000		
ADC59888CVH-140-ND	140MSPS Video Analog Front End*	128-POFP	22.13	17.60	15.04
ADC59888CVH-170-ND	170MSPS Video Analog Front End*	128-POFP	29.68	23.60	20.17
ADC59888CVH-205-ND	205MSPS Video Analog Front End*	128-POFP	38.63	30.72	26.25
ADCV08832C1M-ND	Low Voltage, 8-Bit Serial In/Out A/D Converter*	8-SOIC	3.12	2.48	2.12
CLC5957MTD-ND	12-Bit, 70MSPS Broadband Mono A/D Converter*	48-TSSOP	41.88	40.21	38.60

D/A Converters

DAC0815101CIMKCT-ND	8-Bit D/A Converter with Rail-to-Rail Output*	TSOT-23-6	1.94	1.55	1.32
DAC0815101CIMKTR-ND	8-Bit D/A Converter with Rail-to-Rail Output*	SOT-23-6	1131.00/1,000		
DAC0815101CIMMCT-ND	8-Bit D/A Converter with Rail-to-Rail Output*	8-MSOP	1.75	1.68	1.61
DAC0815101CIMMTR-ND	8-Bit D/A Converter with Rail-to-Rail Output*	8-MSOP	1511.00/1,000		
DAC0825085CIMMCT-ND	8-Bit Micropower Dual DAC with Rail-to-Rail Output*	10-MSOP	2.62	2.52	2.41
DAC0825085CIMMTR-ND	8-Bit Micropower Dual DAC with Rail-to-Rail Output*	10-MSOP	2261.00/1,000		
DAC0845085CIMMCT-ND	8-Bit Micropower Quad DAC with Rail-to-Rail Output*	10-MSOP	3.29	3.16	3.03
DAC0845085CIMMTR-ND	8-Bit Micropower Quad DAC with Rail-to-Rail Output*	10-MSOP	2839.00/1,000		
DAC0885085CIMT-ND	8-Bit Micropower Octal DAC with R/R Output*	16-TSSOP	6.40	5.09	4.35
DAC1015101CIMKCT-ND	10-Bit D/A Converter with Rail-to-Rail Output*	TSOT-23-6	2.78	2.67	2.56
DAC1015101CIMKTR-ND	10-Bit D/A Converter with Rail-to-Rail Output*	TSOT-23-6	2399.00/1,000		
DAC1015101CIMMCT-ND	10-Bit D/A Converter with Rail-to-Rail Output*	8-MSOP	3.10	2.46	2.10
DAC1015101CIMMTR-ND	10-Bit D/A Converter with Rail-to-Rail Output*	8-MSOP	1801.00/1,000		
DAC1025085CIMMCT-ND	10-Bit Micropower Dual DAC with Rail-to-Rail Output*	10-MSOP	3.94	3.78	3.63
DAC1025085CIMMTR-ND	10-Bit Micropower Dual DAC with Rail-to-Rail Output*	10-MSOP	3400.00/1,000		
DAC1045085CIMMCT-ND	10-Bit Micropower Quad DAC with Rail-to-Rail Output*	10-MSOP	6.12	5.88	5.64
DAC1045085CIMMTR-ND	10-Bit Micropower Quad DAC with Rail-to-Rail Output*	10-MSOP	5281.00/1,000		
DAC1085085CIMT-ND	10-Bit Micropower Octal DAC with R/R Output*	16-TSSOP	9.26	7.36	6.29
DAC1215101CIMKCT-ND	12-Bit D/A Converter with Rail-to-Rail Output*	6-TSOT	3.18	3.05	2.93
DAC1215101CIMKTR-ND	12-Bit D/A Converter with Rail-to-Rail Output*	6-TSOT	2745.00/1,000		
DAC1215101CIMMCT-ND	12-Bit D/A Converter with Rail-to-Rail Output*	8-MSOP	3.53	2.81	2.40
DAC1215101CIMMTR-ND	12-Bit D/A Converter with Rail-to-Rail Output*	8-MSOP	2054.00/1,000		
DAC1225085CIMMCT-ND	12-Bit Micropower Dual DAC with Rail-to-Rail Output*	10-MSOP	4.70	4.51	4.33
DAC1225085CIMMTR-ND	12-Bit Micropower Dual DAC with Rail-to-Rail Output*	10-MSOP	4057.00/1,000		
DAC1245085CIMMCT-ND	12-Bit Micropower Quad DAC with Rail-to-Rail Output*	10-MSOP	7.87	7.56	7.25
DAC1245085CIMMTR-ND	12-Bit Micropower Quad DAC with Rail-to-Rail Output*	10-MSOP	6792.00/1,000		
DAC1285085CIMT-ND	12-Bit, Micropower 8-Ch. DAC, R/R Output*	16-TSSOP	15.33	12.19	10.41
DAC1285085CISQCT-ND	12-Bit, Micropower 8-Ch. DAC, R/R Output*	16-LLP	15.33	12.19	10.41
DAC1285085CISQTR-ND	12-Bit, Micropower 8-Ch. DAC, R/R Output*	16-LLP	8915.00/1,000		
DAC0800LCM-ND	8-Bit, D/A Converter*	16-SOIC	9.0	7.73	6.2
DAC0800LCMTR-ND	8-Bit, D/A Converter	16-SOIC	1712.50/2,500		
DAC0800LCN-ND	8-Bit, D/A Converter 0.19% Linearity*	16-Dip	1.09	89	7.3
DAC0802LCM-ND	8-Bit, D/A Converter	16-SOIC	1.64	1.30	1.11
DAC0802LCN-ND	8-Bit, D/A Converter*	16-Dip	9.4	7.3	6.2
DAC0808LCM-ND	8-Bit, D/A Converter*	16-SOIC	1.22	1.17	1.12
DAC0808LCN-ND	8-Bit, D/A Converter 0.19% Linearity*	16-Dip	1.15	95	7.9
DAC0830LCN-ND	8-Bit, µP Compatible Double Buffered D/A Converter*	20-Dip	5.77	4.74	3.96
DAC0832LCN-ND	8-Bit, µP Compatible D/A Converter 0.20% Linearity*	20-Dip	3.06	2.94	2.82
DAC0832LCWM-ND	8-Bit, µP Compatible D/A Converter*	20-SOIC	2.51	2.41	1.79
DAC14135MT-ND	14-Bit, 135MSPS D/A Converter*	48-TSSOP	11.10	8.83	7.54

National Semiconductor Digi-Reel® DATA COMMUNICATIONS

Digi-Key Part No.	Description	Pkg.	Price Each*		
			1	25	100
CP3UB17K38CT-ND	Reprogrammable Connectivity Processor with USB Interface	48-CSP	29.68	23.60	20.17
CP3UB17K38TR-ND	Reprogrammable Connectivity Processor with USB Interface	48-CSP	4755.00/250		

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	28.81	27.66	26.55
DP83815DVNG-ND	10/100 Mb/s Integrated PCI Ethernet Media Access Controller and Physical Layer*	144-LQFP	19.78	15.73	13.44
DP83816AVNG-ND	10/100 Mb/s PCI Ethernet Media Access Controller (MacPHYTER-II™)*	144-LQFP	13.37	12.84	12.32
DP83816AVNG-EX-ND	10/100 Mb/s PCI Ethernet Media Access Controller (MacPHYTER-II™)*	144-LQFP	16.73	13.31	11.37
DP83843BVJE-ND	PHYTER® with Integrated PMD Sublayers*	80-POFP	29.68	23.60	20.17
DP83846AVHG-ND	DSPHYTER® Single 10/100 Ethernet Transceiver*	80-LQFP	13.20	10.50	8.97
DP83847LQA56A-ND	DSPHYTER II® Single 10/100 Ethernet Transceiver*	56-LLP	6.45	5.13	3.38
DP83848CIVV-ND	PHYTER® Single Port 10/100 Mb/s Ethernet Physical Layer Transceiver*	48-LQFP	6.96	5.53	4.73
DP83848IVV-ND	PHYTER® Single Port 10/100 Mb/s Ethernet Physical Layer Transceiver*	48-LQFP	7.12	6.84	6.56
DP83848JSQCT-ND	PHYTER® Mini LS Commercial Temperature Single Port 10/100 Ethernet Transceiver*	40-LLP	3.68	2.93	2.50
DP83848JSQTR-ND	PHYTER® Mini LS Commercial Temperature Single Port 10/100 Ethernet Transceiver*	40-LLP	590.00/250		
DP83848KSQCT-ND	PHYTER® Mini LS Industrial Temperature Single Port 10/100 Ethernet Transceiver*	40-LLP	4.91	3.91	3.34
DP83848KSQTR-ND	PHYTER® Mini LS Industrial Temperature Single Port 10/100 Ethernet Transceiver*	40-LLP	787.50/250		
DP83848VYB-ND	PHYTER® Extended Temp. Single Port 10/100 Mb/s Ethernet Physical Layer Transceiver*	48-LQFP	37.61	29.91	25.56
DP83849CIVV-ND	PHYTER® Dual Port 10/100 Mb/s Ethernet Physical Layer Transceiver*	80-TQFP	10.26	9.85	9.46
DP83849DVS-ND	PHYTER® Dual Port 10/100 Mb/s Ethernet Physical Layer Transceiver*	80-TQFP	9.18	8.81	8.46
DP83849FVNS-ND	PHYTER® Dual Port 10/100 Mb/s Ethernet Physical Layer Transceiver*	80-TQFP	14.62	14.04	13.47
DP83865DVH-ND	10/100/1000 Ethernet Physical Layer (Gig PHYTER®V)*. 128-POFP	128-POFP	30.84	29.61	28.42
DP83902AV-ND	Serial Network Interface Controller for Twisted Pair*	84-PLCC	24.36	19.37	16.55
DS08M200TSQCT-ND	Dual 800Mbps 1:2:2:1 LVDS Mux/Buffer*	48-LLP	8.75	6.96	5.95
DS08M200TSQTR-ND	Dual 800Mbps 1:2:2:1 LVDS Mux/Buffer*	48-LLP	1402.50/250		
DS10BR150TSDCT-ND	1.0Gbps LVDS Buffer/Repeater*	8-LLP	3.04	2.42	2.07
DS10BR150TSDTR-ND	1.0Gbps LVDS Buffer/Repeater*	8-LLP	1771.00/1,000		
DS10BR254TSQCT-ND	1.5Gbps 1:4 LVDS Repeater*	40-LLP	8.63	8.29	7.95
DS10BR254TSQTR-ND	1.5Gbps 1:4 LVDS Repeater*	40-LLP	1940.250/250		
DS10CP152QMATCT-ND	Auto 1.5Gbps 2x2 LVDS Crosspoint Switch*	16-SOIC	10.44	8.30	7.09
DS10CP152QMATR-ND	Auto 1.5Gbps 2x2 LVDS Crosspoint Switch*	16-SOIC	1672.50/250		
DS10CP152TMA-ND	1.5Gbps 2x2 LVDS Crosspoint Switch*	16-SOIC	7.98	7.66	7.36
DS10CP154TSQCT-ND	1.5Gbps LVDS Crosspoint Switch*	40-LLP	11.54	9.18	7.84
DS10CP154TSQTR-ND	1.5Gbps LVDS Crosspoint Switch*	40-LLP	1847.50/250		
DS14C88M-ND	Quad CMOS Line Driver*	14-SOIC	9.3	8.9	8.6
DS14C88MTR-ND	Quad CMOS Line Driver*	14-SOIC	2082.50/2,500		
DS14C88N-ND	Quad CMOS Line Driver*	14-Dip	2.01	1.93	1.85
DS14C89AM-ND	Quad CMOS Line Receiver*	14-SOIC	1.31	1.26	1.21
DS14C89AMTR-ND	Quad CMOS Line Receiver*	14-SOIC	2057.50/2,500		
DS14C89AN-ND	Quad CMOS Line Receiver*	14-Dip	2.19	2.10	2.02
DS14C232CM-ND	LP +5V, Power TIA/EIA-232 Dual Driver/Receiver*	16-SOIC	2.55	2.45	2.35
DS14C232CMXTR-ND	Low Power +5V, Power TIA/EIA-232 Dual Driver/Receiver	16-SOIC	4130.00/2,500		
DS14C232CN-ND	EIA232 Dual Driver/Receiver Low Power*	16-Dip	2.81	2.70	2.59
DS14C232TM-ND	EIA232 Dual Driver/Receiver Low Power*	16-SOIC	3.07	2.44	2.09
DS14C238WM-ND	Single Supply TIA/EIA-232 4x4 Driver/Receiver*	24-SOIC	9.88	7.85	6.71
DS14C238WMTXTR-ND	Single Supply TIA/EIA-232 4x4 Driver/Receiver*	24-SOIC	5745.00/1,000		
DS14C241WM-ND	Single Supply TIA/EIA-232 4x5 Driver/Receiver*	28-SOIC	7.60	6.04	5.16
DS14C333MSA-ND	3.3V, Supply TIA/EIA-232 3x5 Driver/Receiver*	28-SOIC	10.06	8.00	6.83
DS14C333MSA-ND	5V, Supply TIA/EIA-232 3x5 Driver/Receiver*	28-SOIC	8.11	6.45	5.51
DS15BR400TVS-ND	4-Channel LVDS Buffer/Repeater with Pre-Emphasis*	48-TQFP	9.47	7.53	6.43
DS15BR401TVS-ND	4-Channel LVDS Buffer/Repeater with Pre-Emphasis*	48-TQFP	9.47	7.53	6.43
DS15EA101SQCT-ND	0.15 to 1.5Gbps Adaptive Cable Equalizer with LOS Detection*	16-LLP	13.38	10.64	9.09
DS15EA101SQTR-ND	0.15 to 1.5Gbps Adaptive Cable Equalizer with LOS Detection*	16-LLP	7784.00/1,000		
DS15MB200TSQCT-ND	Dual 1.5Gbps 2:1/1:2 LVDS Mux/Buffer*	48-LLP	12.03	9.56	8.17
DS15MB200TSQTR-ND	Dual 1.5Gbps 2:1/1:2 LVDS Mux/Buffer*	48-LLP	1927.50/250		
DS16EV5110SQCT-ND	Video Equalizer for				