A/D and D/A Converters — continued

SEM382 SEM494

Audio-Video ADC/DAC – continued

	Mftr.	Pins	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+	250+	500+
1856	AD	16	16-bit PCM Audio DAC with serial to parallel register and voltage reference. 0.008% THD, 0.001% linearity error, 96dB dynamic range, 1.5µs settling time, 2 /4 /8 oversampling, 150mW max. power dissipation	AD1856N	397-751					
1866	AD	16	16-bit dual Audio DAC with serial input-voltage output. 0.005% THD+N, 3dB gain linearity error, 95dB SNR, 115dB channel separation, 8 oversampling, 65mW max. power dissipation	AD1866N	.595-020					
1868	AD	16	18-bit dual Audio DAC with serial input-voltage output. 0.008% THD+N, 3dB gain linearity error, 97.5dB SNR, >115dB channel separation, 70mW max. power dissipation	AD1868N	.595-019					
5874	NPC	24	16-bit 3rd order, 2-channel Sigma-Delta DAC. Incorporates 8 oversampling, digital filter, de-emphasis filter, attenuator and soft mute circuits. 0.0025% THD+N, 100dB SNR dynamic range, 90dB channel separation	SM5874AM	SMD 787-838					
7729	AD	28	Dual, 15-bit Sigma-Delta ADCs with digital filtering and common bandgap reference feeds, 64dB SNR, auxiliary DAC and serial port	AD7729AR	SMD 314-5761					
73311	AD	20	General purpose analogue front end processor with 16-bit A/D and 16-bit D/A channels, each with 70dB SNR over voice band signal bandwidth. Supports speech synthesis, enhancement and DSP	AD73311AR	314-5645					

Data Acquisition Systems

1290	LT	20◆	12-bit Data Acquisition System which can perform either 12-bit unipolar, or 11 bit plus sign bipolar A/D conversions. Includes an 8-channel input multiplexer and Sample/Hold Amp.	LTC1290CCJ	.246-153.					
1290	LT	20◆	Plastic (N) package version of the LTC1290CCJ.	LTC1290CCN	638-341.					
1392	LT	8◆	10-bit, Micropower Data Acquistion System. Contains ADC, Sample/Hold, Bandgap reference, Synchronous half duplex serial interface, Analogue Multiplexer, Control and timing logic	LTC1392CN8	.641-297.					
7569	AD	24◆	8-bit Analog I/O System. Includes ADC, Sample/Hold Amp, Voltage Ref, DAC, O/P Amp.	AD7569JN	.397-817					
7581	AD	28◆	8-bit/8 channel Data Acquisition System (±1⅞ LSB). Includes on-chip 8 8 dual port RAM.	AD7581JN	.397-829					
7710	AD	24◆	21-bit Sigma-Delta Signal Conditioning ADC. Strain gauge or transducer input, serial output, on-board Programmable Gain Amp, Voltage Ref.	AD7710AN	.445-782					
7868	AD	24◆	12-bit Analog I/O System. Includes ADC, Track/Hold Amp, Voltage Ref, DAC, O/P Amp	AD7868AN	.594-714					
7890	AD	24◆	12-bit/8 channel Serial Data Acquistion System. Includes ADC, 8 channel multiplexer, 2.5V reference, Track/Hold Amp.	AD7890AR10	SMD 788-594					
12H458	NSC	44◆	12-bit Data Acquisition System with self calibration. Contains Sample/Hold, Bandgap reference, 8-channel Multiplexer, programmable acquisition times and conversion rates (PLCC)	LM12H458CIV	SMD 952-217†					
12L438	NSC	28◆	Low Voltage 12-bit Data Acquisition System with Serial I/O and self calibration. Contains Sample/Hold, 8-channel Multiplexer, programmable acquisition times and conversion rates (PLCC)	LM12L438CIV	SMD 952-230†					

Special Function

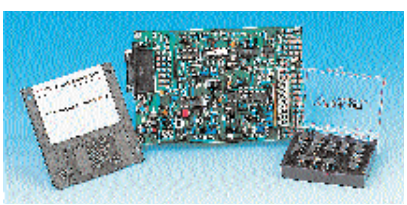
80	AD	40	Variable Resolution, Monolithic Tracking Resolver-to-Digital Converter. Programmable 10, 12, 14 or 16 bit resolution	AD2S80AJD	318-2071					
320	TI	48	16-bit Oversampling Sigma-Delta A/D D/A CODEC, 22KSPS, interfaces to TMS320Cxx series DSP Processors, 3.0 to 5.5V operation (TQFP)	TLV320AIC10CPFB	SMD NEW 355-5938					
320	TI	48	16-bit Oversampling Sigma-Delta A/D D/A CODEC, 22KSPS, interfaces to TMS320Cxx series DSP Processors, 1.1 to 3.6V operation (TQFP)	TLV320AIC11IPFB	SMD NEW 355-5940					
500	TEL	16◆	Integrating Converter Analogue Processor. Resolution and conversion speed controllable through software	TC500ACPE	.270-799.					
5864	NPC	28◆	Two-channel CMOS DAC with eight times oversampling filter for digital audio systems	SM5864AP	.640-013.					
5872	NPC	28◆	Two-channel CMOS sigma delta 16-bit DAC with eight times oversampling filter for digital audio systems	SM5872AN	.640-001.					
7730	AD	24	Bridge Transducer ADC for low level signal inputs from a transducer to a serial output digital word	AD7730BN	687-534					
7730	AD	24	Bridge Transducer ADC for low level signal inputs from a transducer to a serial output digital word	AD7730LBR	SMD 117-158					
7731	AD	24	24-bit Delta-Sigma ADC with programmable gain front end for low level signals from a transducer, suitable for process control	AD7731BN	283-680					
16071	NSC	24◆	16-bit Delta-Sigma ADC with 64 oversampling at 12.288MHz, internal digital filter and serial data interface compatible with DSP devices	ADC16071CIN	949-966†					
16471	NSC	24◆	16-bit Delta-Sigma ADC with 64 oversampling at 12.288MHz, internal digital filter, internal reference and serial data interface compatible with DSP devices	ADC16471CIWM	SMD 949-991†					

† Available until stocks are exhausted

◆ Microprocessor Compatible. * Typical Value.

Key to Features: C = CMOS, D/B = Double-Buffered, L = Latches, M = Multiplying, P = Parallel O/P, R = Internal Reference, R2R = Rail-to-Rail output S = Serial O/P, S/A = Successive Approximation, S/H = Sample and Hold, T/H = Track and Hold, V = Voltage O/P.

TC500EV



TC500EV is an evaluation and development system for TelCom's TC5xx family of dual slope integrating converters. The TC500EV consists of the TC500 and TC514 A/D converters, a pre-programmed microcontroller, TC520A Serial Interface Adapter, a 3V regulated power supply and user prototyping area. TC500EV connects to any RS232 terminal. Convenient jumper options allow operation as either a single channel (TC500) or 4 channel (TC514) A/D converter to a maximum of 18 bits (Overrange + Sign + Data). Conversion speed and resolution are programmable. A software utility in the form of an Excel© spreadsheet is included that calculates all component values given the desired system parameters.

SEM651

TC500EV A/D Converters Evaluation Kit.....Order Code .119-180 each

622 Semiconductors and Passives Prices are in Singapore Dollars and exclusive of GST