

## Special Function ICs

### Signal Conditioners

INTRONICS

The devices below have identical specifications to the Analog Devices parts that they now replace.

Mfrs. List No.	Description
2B31J	High Performance Strain Gauge/RTD Conditioner module .....
2B31L	High Performance Strain Gauge/RTD Conditioner module with low noise (1µVp-pmax), drift (0.5µ°C max) and non-linearity (0.0025% max) .....
2B34J	4-Channel Strain Gauge/RTD Conditioner providing input protection, multiplexing and amplification.....
2B54A	4-Channel Isolated Thermocouple/mV Conditioner providing input protection, isolation and common mode rejection, multiplexing, filtering and amplification .....
2B56A	High accuracy Thermocouple Cold Junction Compensator .....

Order Code	Price Each		
	1+	10+	100+
333-1647			
333-1659			
333-1660			
333-1672			
333-1684			

SEM894

SEM130

Mfrs. List No.	Pins	Description
22	AD	Programmable, Isolated Voltage to Current converter.....
31	AD	Wide Bandwidth Strain Gauge Signal Conditioner.....
32	AD	Bridge Transducer Signal Conditioner, Programmable Bridge Excitation +4V to +15V .....
42	ICW	Zero Delay Buffer for recovery of poor duty cycle clocks in audio/video systems .....
100	ZET	Security Siren Driver Circuit .....
100	ZET	Security Siren Driver Circuit .....
100	BBD	Siren Driver Evaluation Board .....
101	BB	Integrated Photodiode and Single-Supply Amp.....
209	CS	Proximity Sensor for Metal Detection.....
508	BB	Isolated, Uni-Directional, Digital Coupler.....
518	BB	8+channel Bi-Directional Isolated Digital Coupler, 2M Words/Sec transfer rate .....
598	AD	LVDT Signal Conditioner. Linearity 0.05%. Drift 50PPM/OC. Single Chip Solution DC O/P Proportional to LVDT position. 20Hz to 20kHz Freq. Range. (Cerdip) .....
1601	MAX	CardBus and PCMCIA Power Switch with Serial Interface.....
1815	NSC	Adaptive sense Amp. for motor control applications .....
1949	NSC	Injector Drive Controller for external power Darlington transistor driving high current solenoid.....
3392	ON	Low Side Protected Switch, performs as a high gain, low saturation Darlington transistor on moderate load drive .....
3912	UNI	Programmable Electronic Circuit Breaker .....
4224	VISH	Low Power, High Sensitivity Bipolar Time Code Receiver, 40-80KHz (60KHz Crystal see Order Code 703-760) .....
5358	ALEG	Photoelectric Smoke Detector with interconnect and timer .....
5521	PS	Linear Variable Differential Transformer Controller.....
7225	LSI	Digital Lock Circuit with Tamper Output .....
7232	LSI	Touch Control Dimmer Switch and A.C. Motor Speed Controller .....
7376	AD	Single channel, 128 position digitally controlled potentiometer, 100kΩ resistance.....
7534	LSI	Continuous Dimmer Light Switch with separate Up/Down controls..
8038	EXAR	Precision Waveform Generator .....
9241	SLX	Single-Ended Bus Driver .....
14468	ON	Smoke Detector Circuit with low voltage detection .....
33193	ON	Direction Indicator for Automotive applications .....

Mfrs. List No.	Order Code	1+	10+	100+	250+	500+
1B22AN	318-1960					
1B31AN	318-1972					
1B32AN	318-1984					
W42C70-01G	SMD 700-782.					
ZSD100D8	539-752					
ZSD100N8	SMD 789-276					
OPT101P	558-965					
CS209AN8	563-468					
ISO508P	117-262					
ISO518P	332-3780					
AD598AD	318-2277					
MAX1601EAI	SMD 794-703.					
LM1815N	704-519.					
LM1949N	704-507.					
MC3392T	793-012					
UCC3912N	527-993†					
U4224BFL	SMD 631-267					
A5358CA	703-588					
NE5521N	408-980					
LS7225	408-992					
LS7232	631-966.					
AD7376AN100	283-654					
LS7534	703-280					
XR8038ACP	631-048.					
SI9241EY	SMD 796-463.					
MC14468P	702-900					
MC33193P	792-950					

† Available until stocks are exhausted

SEM803

### Digital Potentiometers

Mfrs. List No.	Pins	Description
5203	24	4-channel, 64 position digital potentiometer, 10kΩ resistance.....
5203	24	4-channel, 64 position digital potentiometer, 100kΩ resistance.....
5220	8	Single channel, 128 position digital potentiometer, 10kΩ .....
5220	8	Single channel, 128 position digital potentiometer, 50kΩ .....
5220	8	Single channel, 128 position digital potentiometer, 100kΩ .....
7376	14	Single channel, 128 position digital potentiometer, 10kΩ .....

Mfrs. List No.	Order Code	1+	10+	100+
AD5203AN10	314-5566			
AD5203AN100	314-5578			
AD5220BN10	314-5580			
AD5220BN50	314-5608			
AD5220BN100	314-5591			
AD7376AN10	314-5657			

SEM139

Mfrs. List No.	Pots/Package	Wiper Memory	No. of Positions	Resistance	Power Supply	Control Interface	Pins
DS1267S10	2	VOLATILE	256-LIN	10K	5V, ±5V	3-WIRE SERIAL	16
DS1267S50	2	VOLATILE	256-LIN	50K	5V, ±5V	3-WIRE SERIAL	16
DS1267S100	2	VOLATILE	256-LIN	100K	5V, ±5V	3-WIRE SERIAL	16
DS1267-10	2	VOLATILE	256-LIN	10K	5V, ±5V	3-WIRE SERIAL	16
DS1267-50	2	VOLATILE	256-LIN	50K	5V, ±5V	3-WIRE SERIAL	16
DS1267-100	2	VOLATILE	256-LIN	100K	5V, ±5V	3-WIRE SERIAL	16
DS1800	1	VOLATILE	128-LOG	50K	3V, 5V	3-WIRE SERIAL	20
DS1801	2	VOLATILE	64-LOG	50K	3V, 5V	3-WIRE SERIAL	14
DS1801S	2	VOLATILE	64-LOG	50K	3V, 5V	3-WIRE SERIAL	16
DS1802	2	VOLATILE	64-LOG	50K	3V, 5V	3-WIRE SERIAL	20
DS1802S	2	VOLATILE	64-LOG	50K	3V, 5V	3-WIRE SERIAL	20
DS1803-10	2	VOLATILE	256-LIN	10K	3V, 5V	2-WIRE ADDRESSABLE	16
DS1803-50	2	VOLATILE	256-LIN	50K	3V, 5V	2-WIRE ADDRESSABLE	16
DS1803-100	2	VOLATILE	256-LIN	100K	3V, 5V	2-WIRE ADDRESSABLE	16
DS1804-10	1	NON-VOLATILE	100-LIN	10K	3V, 5V	INC/DECREMENT	8

Order Code	1+	10+	100+	250+
SMD 703-461				
SMD 703-382				
SMD 703-394				
563-341				
703-370				
563-353				
670-923				
670-844				
SMD 670-856				
796-025				
SMD 670-868				
796-037				
796-049				
796-050				
670-870				

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