

Miscellaneous Integrated Circuits

ECG2046 8-Pin DIP See Fig. L97
60 Hz Time Base Generator,
Input Freq=3.58 MHz (CMOS),
VDD=15 V Max

Pinout for ECG2046 (8-Pin DIP):

1	DIVIDER OUTPUT	8	VDD
2	VSS	7	TUNER OUTPUT
3	NC	6	OSC OUTPUT
4	NC	5	OSC INPUT

ECG2047 16-Pin DIP See Fig. L112
FSK Modem, 0-600 Baud, (CMOS),
VDD=15 V Max

Pinout for ECG2047 (16-Pin DIP):

1	RX CAR	16	VDD
2	ST	15	TTLD
3	OSCOU	14	TYPE
4	OSCIN	13	ECHO
5	RESET	12	TX ENABLE
6	RX RATE	11	TX DATA
7	RX DATA	10	MODE
8	VSS	9	TX CAR

ECG2049 40-Pin DIP See Fig. L125
LCD 3 1/2 Digit A/D Converter, Low Power
(CMOS), V±=15 V Max

ECG2051
LCD 3 1/2 Digit A/D Converter (CMOS)

Pinout for ECG2049 and ECG2051 (40-Pin DIP):

1	V+	40	OSC 1
2	D1	39	OSC 2
3	C1	38	OSC 3
4	B1	37	TEST
5	A1	36	REF HI
6	F1	35	REF LO
7	G1	34	C+ REF
8	E1	33	C- REF
9	D2	32	COMMON
10	C2	31	IN HI
11	B2	30	IN LO
12	A2	29	A/Z
13	F2	28	BUFF
14	E2	27	INT
15	D3	26	V-
16	B3	25	G2 (TENS)
17	F3	24	C3
18	E3	23	A3
19	(1000) AB4	22	G3
20	- POL	21	BP

ECG2050 40-Pin DIP See Fig. L125
LED 3 1/2 Digit A/D Converter (CMOS),
V=±5 V Typ

Pinout for ECG2050 (40-Pin DIP):

1	V+	40	OSC 1
2	D1	39	OSC 2
3	C1	38	OSC 3
4	B1	37	TEST
5	A1	36	REF HI
6	F1	35	REF LO
7	G1	34	C+ REF
8	E1	33	C- REF
9	D2	32	COMMON
10	C2	31	IN HI
11	B2	30	IN LO
12	A2	29	A/Z
13	F2	28	BUFF
14	E2	27	INT
15	D3	26	V-
16	B3	25	G2 (TENS)
17	F3	24	C3
18	E3	23	A3
19	(1000) AB4	22	G3
20	- POL	21	DIGITAL GND

ECG2052 28-Pin DIP See Fig. L124A
3 1/2 Digit A/D Converter with Multiplexed
7-Segment Output (CMOS), Vcc=5 V Typ

Pinout for ECG2052 (28-Pin DIP):

1	VCC	28	S _e
2	ANALOG VCC	27	S _f
3	S _d	26	S _g
4	S _c	25	GND
5	S _b	24	DIGIT 1 (MSD)
6	S _a	23	DIGIT 2
7	OFLO	22	DIGIT 3
8	CONVERSION COMPLETE	21	DIGIT 4 (LSD)
9	START CONVERSION	20	fOUT
10	SIGN	19	fIN
11	VFILTER	18	VREF
12	VIN -	17	SW1
13	VIN +	16	SW2
14	VFB	15	ANALOG GND

ECG2053 20-Pin DIP See Fig. L118A
8-Bit MPU Compatible A/D Converter
(CMOS), Vcc=5 V Typ

Pinout for ECG2053 (20-Pin DIP):

1	CS	20	VCC (OR VREF)
2	RD	19	CLK R
3	WR	18	DB0 (LSB)
4	CLK IN	17	DB1
5	INTR	16	DB2
6	VIN +	15	DB3
7	VIN -	14	DB4
8	A GND	13	DB5
9	VREF/2	12	DB6
10	D GND	11	DB7 (MSB)

ECG2054 16-Pin DIP See Fig. L112
3 Digit A/D Converter, V+ =5 V Typ

Pinout for ECG2054 (16-Pin DIP):

1	BCD OUTPUTS	16	BCD OUTPUTS
2	NSD	15	V+
3	MSD	14	GAIN ADJ
4	LSD	13	INTEGRATING CAP
5	HOLD/BYPASS	12	HIGH INPUT
6	GND	11	LOW INPUT
7	ZERO ADJ	10	ZERO ADJ
8		9	

ECG2055 24-Pin DIP See Fig. L122
3 1/2 Digit A/D Converter (CMOS),
VDD, VEE=±5 V Typ, VSS=GND

Pinout for ECG2055 (24-Pin DIP):

1	VAG	24	VDD
2	VREF	23	Q3
3	VX	22	Q2
4	Ri	21	Q1
5	Ri/Ci	20	Q0
6	Ci	19	DS1
7	CO1	18	DS2
8	CO2	17	DS3
9	DU	16	DS4
10	CLK 1	15	OR
11	CLK 0	14	EOC
12	VEE	13	VSS

ECG2056 16-Pin DIP See Fig. L112
D/A Converter, Vcc=+5 V Typ,
VEE=-15 V Typ

Pinout for ECG2056 (16-Pin DIP):

1	OUTPUT RANGE CON	16	COMPENSATION
2	GND	15	VREF -
3	VEE	14	VREF +
4	IO	13	VCC
5	MSB A1	12	A8 LSB
6	A2	11	A7
7	A3	10	A6
8	A4	9	A5