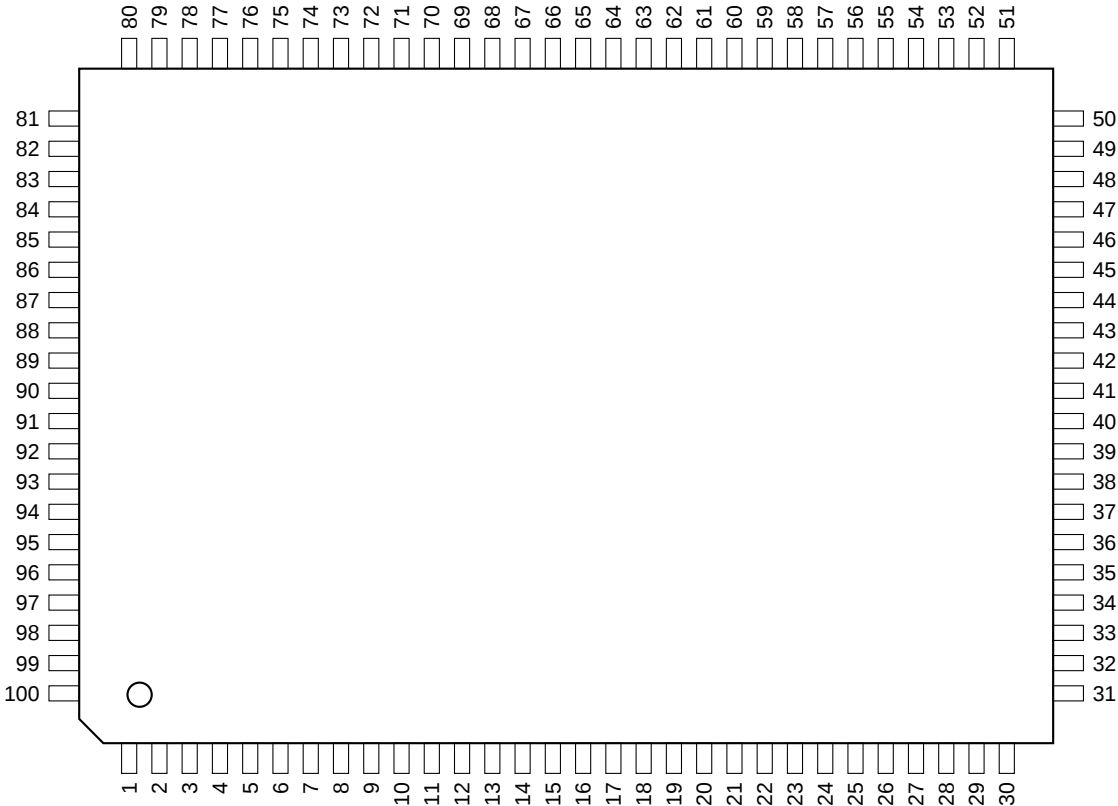


DIGITAL NTSC/PAL ENCODER
—TOP VIEW—



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	VCOIN	26	I	D4	51	—	Vcc	76	—	AGND
2	—	AGND	27	I	D5	52	I	NTSC	77	—	AVcc
3	O	PHERR	28	I	D6	53	I	D22	78	—	AVcc
4	—	GND	29	I	D7	54	I	D23	79	I	COMP0
5	O	CLKBOUT	30	—	Vcc	55	I	OLC	80	I	BIAS0
6	I	CLKBIN	31	—	GND	56	—	GND	81	I	COMP1
7	I	RESET	32	I	D8	57	I	OL0	82	I	BIAS1
8	I	EXTEN	33	I	D9	58	I	OL1	83	I	COMP2
9	—	Vcc	34	I	D10	59	I	OL2	84	I	BIAS2
10	I	OSCIN	35	I	D11	60	I	OL3	85	I	VREF
11	O	OSCOUT	36	—	Vcc	61	—	SVcc	86	—	AGND
12	I	TEST0	37	I	D12	62	O	CLK1OUT	87	O	DAOUT2
13	—	GND	38	I	D13	63	—	GND	88	—	AGND
14	O	EVEN	39	I	D14	64	I	SCL/FLTMD	89	O	DAOUT1
15	I/O	VSYNC	40	I	D15	65	I/O	SDA/IMOD1	90	—	AGND
16	—	SVcc	41	—	GND	66	I/O	SOUT/IMOD0	91	O	DAOUT0
17	I/O	HSYNC	42	I	D16	67	I	AS/CS/INTER	92	—	AGND
18	—	GND	43	I	D17	68	—	Vcc	93	—	GND
19	I	D0	44	I	D18	69	I	IFMOD0/OMOD	94	O	CSYNC
20	I	D1	45	I	D19	70	I	IFMOD1	95	—	Vcc
21	I	D2	46	—	Vcc	71	I	CLKSEL	96	—	Vcc
22	I	D3	47	I	D20	72	I	TEST1	97	—	AVcc
23	—	Vcc	48	I	D21	73	I	TEST2	98	O	TEST3
24	I/O	CLK0	49	I	SETUP	74	—	GND	99	I	RBIAS1
25	—	GND	50	—	GND	75	—	AGND	100	I	RBIAS0

INPUTS

AS	: SLAVE ADDRESS SELECT
BIAS0 - BIAS2	: D/A BIAS
CLKBIN	: SECONDARY SYSTEM CLOCK
CLKSEL	: CLOCK SELECT
COMP0 - COMP2	: D/A COMPENSATION CAPACITOR
$\overline{\text{CS}}$	: CHIP SELECT
D0 - D23	: VIDEO DATA
EXTEN	: EXTERNAL/INTERNAL SYNC MODE SELECT
FLTMD	: COLOR SIGNAL CUTOFF FREQUENCY SELECT
IFMOD0, IFMOD1	: SERIAL INTERFACE MODE SELECT
IMOD0, IMOD1	: FORMAT SELECT
$\overline{\text{INTER}}$	: INTERLACE/NON-INTERLACE SELECT
$\overline{\text{NTSC}}$	: PAL/NTSC MODE SELECT
OL0 - OL3	: OVERLAY COLOR SELECT
OLC	: OVERLAY SWITCHING SELECT
OSCIN	: CRYSTAL OSCILLATOR
RBIAS0, RBIAS1	: VCO BIAS RESISTOR 1, 2
$\overline{\text{RESET}}$	: RESET
SCL	: SERIAL CLOCK
$\overline{\text{SETUP}}$	: SETUP LEVEL SELECT
TEST0 - TEST2	: TEST
VCOIN	: VCO CONTROL VOLTAGE
VREF	: DAC REFERENCE VOLTAGE

OUTPUTS

CLK1OUT	: ALTERNATE PIXEL CLOCK
CLKBOUT	: INTERNAL PLL CLOCK
$\overline{\text{CSYNC}}$	: COMPOSITE SYNC
DAOUT0	: Y OR R VIDEO SIGNAL
DAOUT1	: COMPOSITE OR G VIDEO SIGNAL
DAOUT2	: C OR B VIDEO SIGNAL
EVEN	: FIELD ID
OMOD	: OUTPUT MODE SELECT
OSCOUT	: CRYSTAL OSCILLATOR
PHERR	: PHASE ERROR
TEST3	: TEST

INPUTS/OUTPUTS

CLK0	: CLOCK
$\overline{\text{HSYNC}}$	: HORIZONTAL SYNC
SDA	: SERIAL DATA
SOUT	: DEVICE STATUS
$\overline{\text{VSYNC}}$	: VERTICAL SYNC

