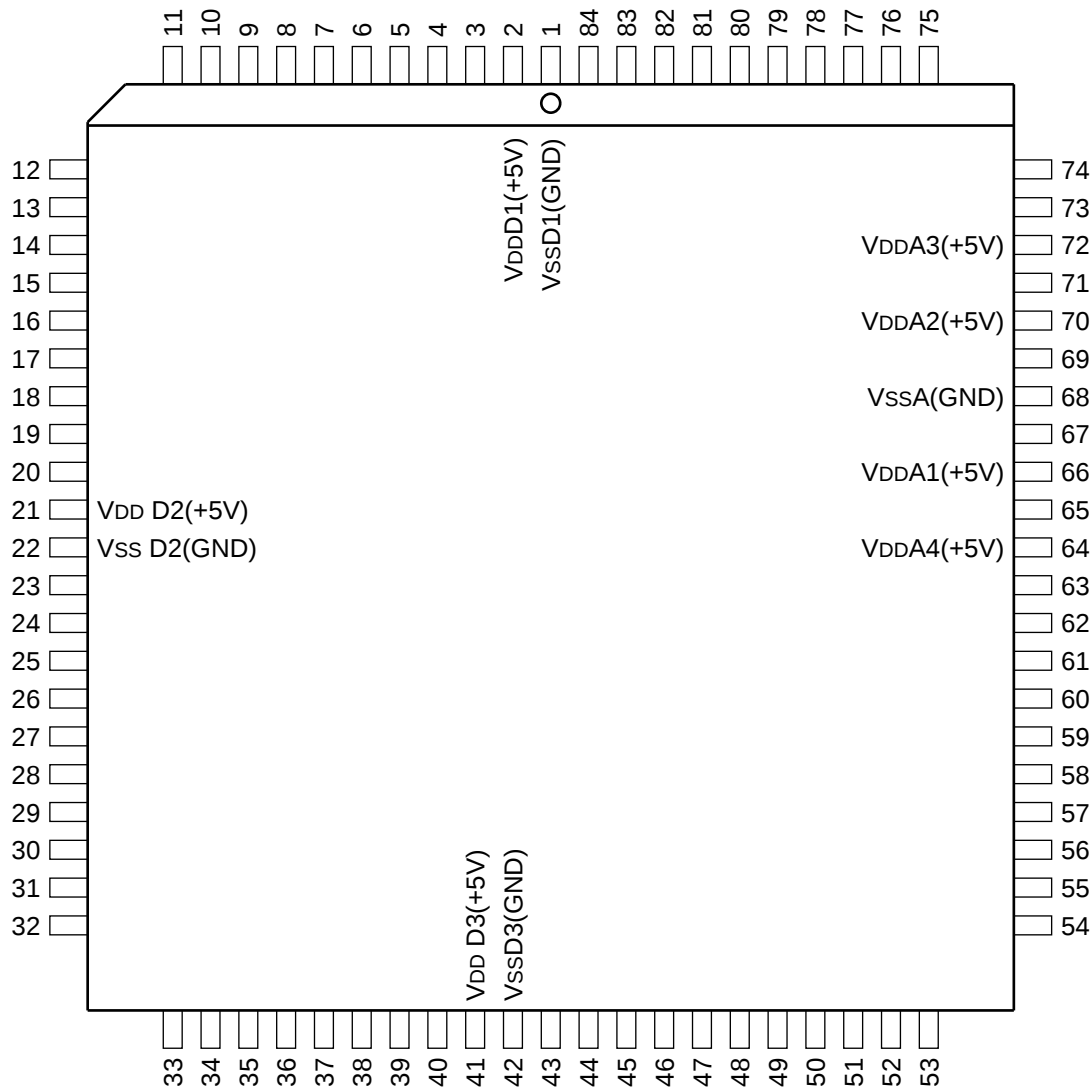

C-MOS DIGITAL VIDEO ENCODER
- TOP VIEW -



INPUT

A0	; SUBADDRESS BIT A0 FOR MICROCOMPUTER ACCESS
A1	; SUBADDRESS BIT A1 FOR MICROCOMPUTER ACCESS
CBN	; COMPOSITE BLANKING (ACTIVE LOW)
CLK IN	; EXTERNAL CLOCK
CLKSEL	; CLOCK SOURCE SELECT
CREF	; CLOCK QUALIFIER OF EXTERNAL CGC
CSN	; CHIP SELECT
CUR	; CURRENT
CVBS0-7	; DIGITAL CVBS
KEY	; KEY SIGNAL TO INSERT CVBS INPUT
LDV	; LOAD DATA CLOCK SIGNAL TO INTERFASE
LLC	; LINE-LOCKED CLOCK INPUT SIGNAL FROM EXTERNAL CGC
MPK	; MULTI-PURPOSE KEY
PD1(0-7)	; DATA 1 (DIGITAL SIGNAL R RESPECTIVELY V SIGNAL)
PD2(0-7)	; DATA 2 (DIGITAL SIGNAL G RESPECTIVELY Y SIGNAL OR INDEXED COLOUR DATA)
PD3(0-7)	; DATA 3 (DIGITAL SIGNAL B RESPECTIVELY U SIGNAL)
RESN	; RESET
R/WN	; READ/WRITE NOT INPUT SIGNAL FROM MICROCONTROLLER
SCL	; I ² C-BUS CLOCK LINE
XTALI	; CRYSTAL OSCILLATOR (26.8-24.576MHz)

OUTPUT

C	; CHROMA ANALOG OUTPUT SIGNAL C
CLKO	; SELECTED CLOCK
CVBS	; ANALOG CVBS
HCL	; HORIZONTAL CLAMPING
HSN	; HORIZONTAL SYNC
HSY	; HORIZONTAL SYNC INDICATOR
LFCO	; LINE FREQUENCY CONTROL OUTPUT SIGNAL FOR EXTERNAL CGC
PIXCLK	; CLKO/2 OR CONDITIONALLY CLKO
SLT	; GENLOCK FLAG (3-STATE)
XTAL	; CRYSTAL OSCILLATOR
VSN	; VERTICAL SYNC (3-STATE), CONDITIONALLY COMPOSITE SYNC
Y	; LUMINANCE ANALOG OUTPUT SIGNAL Y

INPUT/OUTPUT

D0-D7	; BIDIRECTIONAL PORT FROM/TO MICROCONTROLLER
GPSW/RTCI	; GENERAL PURPOSE SWITCH OUTPUT/REAL-TIME CONTROL INPUT
SDA	; I ² C-BUS DATA LINE

PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	–	VssD1	22	–	VssD2	43	I/O	D4	64	–	VDD 4
2	–	VDDD1	23	I	CBN	44	I/O	D5	65	O	C
3	O	VSN	24	I	PD3(0)	45	I/O	D6	66	–	VDDA1
4	I	PD1(0)	25	I	PD3(1)	46	I/O	D7	67	O	Y
5	I	PD1(1)	26	I	PD3(2)	47	I/O	SDA	68	–	VssA
6	I	PD1(2)	27	I	PD3(3)	48	I	SCL	69	O	CVBS
7	I	PD1(3)	28	I	PD3(4)	49	I	CLK	70	–	VDDA2
8	I	PD1(4)	29	I	PD3(5)	50	I	CLKSEL	71	I	CUR
9	I	PD1(5)	30	I	PD3(6)	51	O	PIXCLK	72	–	VDDA3
10	I	PD1(6)	31	I	PD3(7)	52	O	CLK0	73	I	KEY
11	I	PD1(7)	32	I	MPK	53	–	TP	74	O	HSY
12	I	PD2(0)	33	I	A0	54	I	RESN	75	O	HCL
13	I	PD2(1)	34	I	A1	55	I	LLC	76	I	CVBS0
14	I	PD2(2)	35	I	R/WN	56	I	CREF	77	I	CVBS1
15	I	PD2(3)	36	I	CSN	57	I/O	GPSW/RTCI	78	I	CVBS2
16	I	PD2(4)	37	I/O	D0	58	O	SLT	79	I	CVBS3
17	I	PD2(5)	38	I/O	D1	59	I	XTALI	80	I	CVBS4
18	I	PD2(6)	39	I/O	D2	60	O	XTAL	81	I	CVBS5
19	I	PD2(7)	40	I/O	D3	61	O	LFC0	82	I	CVBS6
20	I	LDV	41	–	VDDD3	62	–	VrefL	83	I	CVBS7
21	–	VDDD2	42	–	VssD3	63	–	VrefH	84	O	HSN

