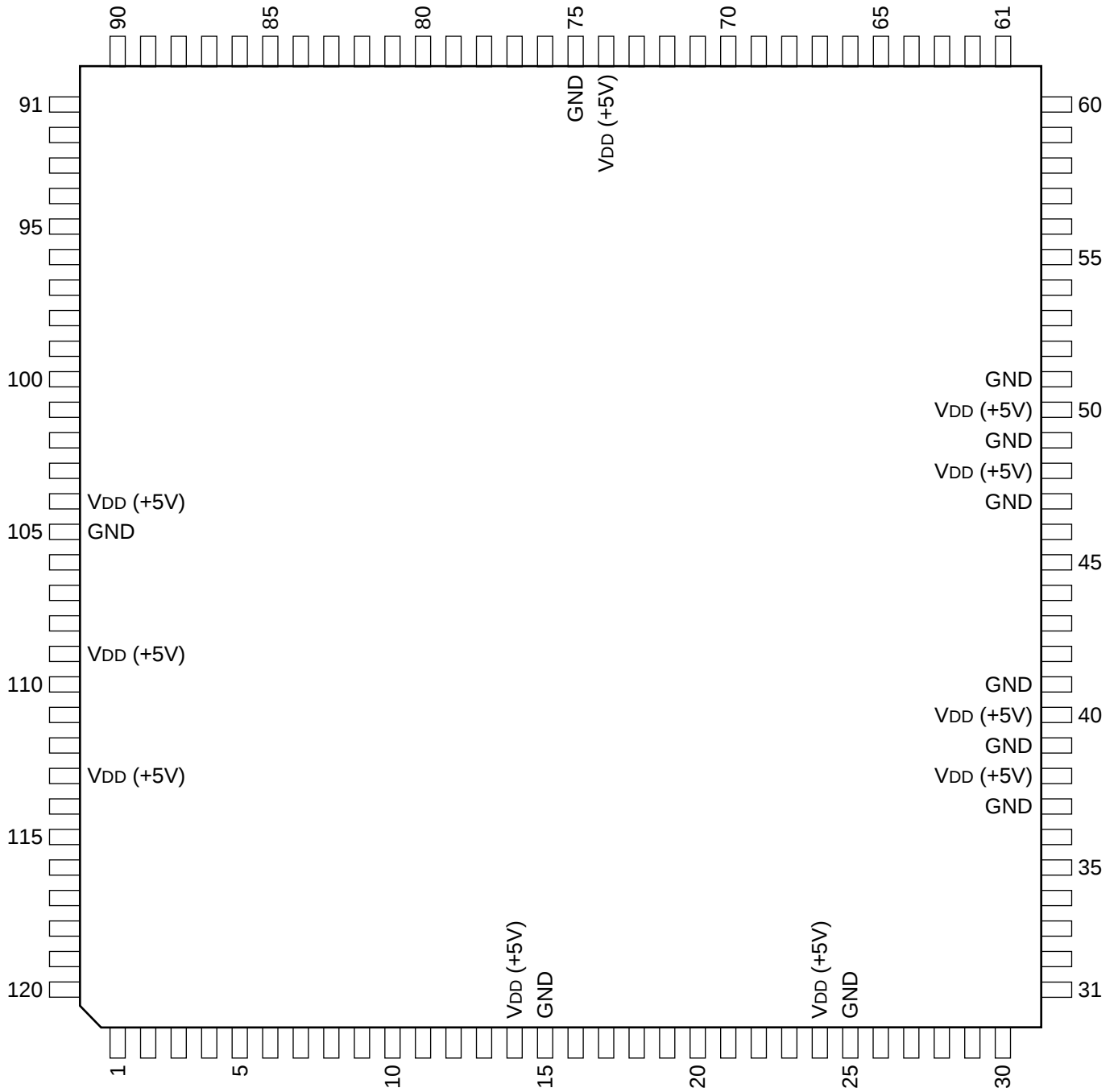

C-MOS VIDEO CAMERA SIGNAL PROCESSOR

-TOP VIEW-



(V_{DD} = +5V)

PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	TY S4	31	O	PLL N	61	O	YPO1	91	I	AD10
2	I	TY S3	32	O	PLL P	62	I	YPI8	92	I	AD9
3	I	TY S2	33	I	VR	63	I	YPI7	93	I	AD8
4	I	TY S1	34	I	X2I	64	I	YPI6	94	I	AD7
5	I	SDI	35	O	X2O	65	I	YPI5	95	I	AD6
6	I	SDCK	36	O	FSC	66	I	YPI4	96	I	AD5
7	I	SLD	37	—	GND	67	I	YPI3	97	I	AD4
8	O	SDO	38	—	V _{DD}	68	I	YPI2	98	I	AD3
9	O	EP1	39	—	GND	69	I	YPI1	99	I	AD2
10	O	EP2	40	—	V _{DD}	70	O	CPO8	100	I	AD1
11	O	EP3	41	—	GND	71	O	CPO7	101	O	ADCK
12	O	AF VIEW	42	O	C OUT	72	O	CPO6	102	O	CPREF
13	O	M CK	43	I	CBU	73	O	CPO5	103	O	CP
14	—	V _{DD}	44	I	CBL	74	—	V _{DD}	104	—	V _{DD}
15	—	GND	45	I	REXT	75	—	GND	105	—	GND
16	O	FV	46	O	Y OUT	76	O	CPO4	106	O	SP1
17	O	HD	47	—	GND	77	O	CPO3	107	O	SP2
18	O	CBLK	48	—	V _{DD}	78	O	CPO2	108	O	OBP
19	O	CSYNC	49	—	GND	79	O	CPO1	109	—	V _{DD}
20	O	SCBLK	50	—	V _{DD}	80	I	CPI8	110	O	H1
21	O	HSYNC	51	—	GND	81	I	CPI7	111	O	H2
22	O	ID	52	O	DICK	82	I	CPI6	112	O	RG
23	O	IDP	53	O	NRYBY	83	I	CPI5	113	—	V _{DD}
24	—	V _{DD}	54	O	YPO8	84	I	CPI4	114	O	XV1
25	—	GND	55	O	YPO7	85	I	CPI3	115	O	XV2
26	I	X1I	56	O	YPO6	86	I	CPI2	116	O	XV3
27	O	X1O	57	O	YPO5	87	I	CPI1	117	O	XV4
28	I	IDS	58	O	YPO4	88	I	NME	118	O	XSG1
29	I	MCK S	59	O	YPO3	89	O	FP	119	O	XSG2
30	I	RESET	60	O	YPO2	90	O	ZOOM HD	120	O	XSUB

INPUT

AD1-AD10 ; A/D INPUTS
 CBL ; D/A BYPASS
 CBU ; D/A PHASE COMPENSATION
 CPI1-CPI8 ; C PARALLEL
 IDS ; LINE ID RESET
 MCK S ; MICROCOMPUTER CLOCK
 NME ; MEMORY ENABLE
 RESET ; SYSTEM RESET
 REXT ; D/A REFERENCE VOLTAGE
 SDCK ; STATE DATA CLOCK
 SDI ; STATE DATA
 SLD ; STATE DATA LOAD PULSE
 TY S1-TY S4 ; TITLER SETTING
 VR ; VERTICAL RESET
 X1I ; CRYSTAL OSCILLATOR 1
 X2I ; CRYSTAL OSCILLATOR 2
 YPI1-YPI8 ; Y PARALLEL

OUTPUT

ADCK ; A/D CLOCK
 AF VIEW ; AUTO FOCUS
 C OUT ; C ANALOG SIGNAL
 CBLK ; COMPOSITE BLANKING PULSE
 CP ; CLAMP PULSE
 CPO1-CPO8 ; C PARALLEL
 CPREF ; CLAMP PULSE REFERENCE
 CSYNC ; COMPOSITE SYNC
 DICK ; DIGITAL INTERFACE CLOCK
 EP1-EP3 ; AE WINDOW PULSES
 FP ; FIELD PULSE
 FSC ; SUBCARRIER
 FV ; FIELD VERTICAL
 H1, H2 ; HORIZONTAL CCD TRANSFER CLOCKS
 HD ; CAMERA HORIZONTAL DRIVE
 HSYNC ; HORIZONTAL SYNC
 ID ; SECAM ID
 IDP ; SECAM ID
 M CK ; MICROCONTROLLER CLOCK
 NRYBY ; R-Y/B-Y PHASE
 OBP ; OPTICAL BLACK PULSE
 PLL N ; PLL NEGATIVE
 PLL P ; PLL POSITIVE
 RG ; RESET GATE PULSE
 SCBLK ; SC BLANKING PULSE
 SDO ; AWB/AE/AF DATA
 SP1, SP2 ; SAMPLING PULSES
 X1O ; CRYSTAL OSCILLATOR 1
 X2O ; CRYSTAL OSCILLATOR 2
 XSG1, XSG2 ; READ-OUT PULSES FROM PHOTODIODE
 XSUB ; SHUTTER PULSE
 XV1-XV4 ; VERTICAL CCD TRANSFER PULSES
 Y OUT ; Y ANALOG SIGNAL
 YPO1-YPO8 ; Y PARALLEL
 ZOOM HD ; ZOOM HD