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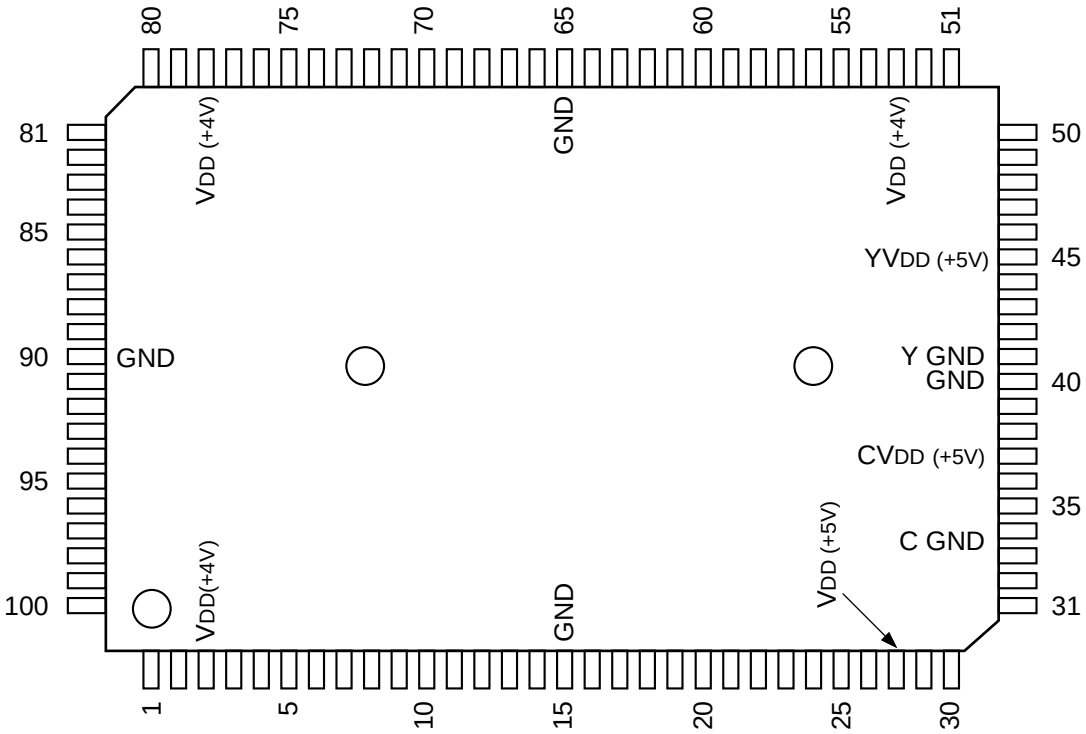
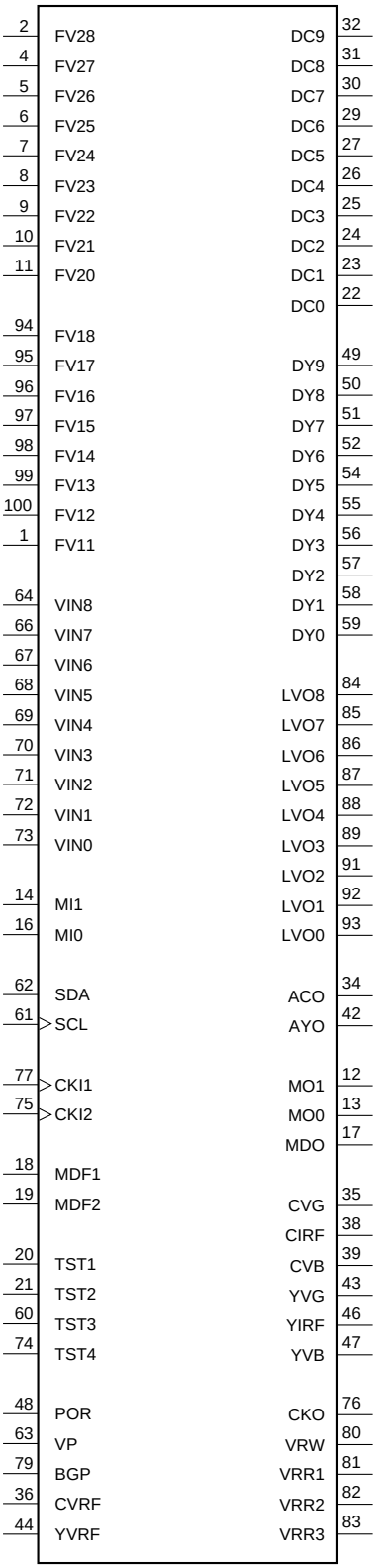
C-MOS Y/C SEPARATOR

—TOP VIEW—



(VDD = +4V/CVDD, YVDD =+5V)

PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	I	FV11	21	I	TST2	41	—	Y GND	61	I	SCL	81	O	VRR1
2	I	FV28	22	O	DC0	42	O	AYO	62	I	SDA	82	O	VRR2
3	—	VDD	23	O	DC1	43	O	YVG	63	I	VP	83	O	VRR3
4	I	FV27	24	O	DC2	44	I	YVRF	64	I	VIN8	84	O	LVO8
5	I	FV26	25	O	DC3	45	—	YVDD	65	—	GND	85	O	LVO7
6	I	FV25	26	O	DC4	46	O	YIRF	66	I	VIN7	86	O	LVO6
7	I	FV24	27	O	DC5	47	O	YVB	67	I	VIN6	87	O	LVO5
8	I	FV23	28	—	VDD	48	I	POR	68	I	VIN5	88	O	LVO4
9	I	FV22	29	O	DC6	49	O	DY9	69	I	VIN4	89	O	LVO3
10	I	FV21	30	O	DC7	50	O	DY8	70	I	VIN3	90	—	GND
11	I	FV20	31	O	DC8	51	O	DY7	71	I	VIN2	91	O	LVO2
12	O	MO1	32	O	DC9	52	O	DY6	72	I	VIN1	92	O	LVO1
13	O	MO0	33	—	C GND	53	—	VDD	73	I	VIN0	93	O	LVO0
14	I	MI1	34	O	ACO	54	O	DY5	74	I	TST4	94	I	FV18
15	—	GND	35	O	CVG	55	O	DY4	75	I	CKI2	95	I	FV17
16	I	MI0	36	I	CVRF	56	O	DY3	76	O	CKO	96	I	FV16
17	O	MDO	37	—	CVDD	57	O	DY2	77	I	CKI1	97	I	FV15
18	I	MDF1	38	O	CIRF	58	O	DY1	78	—	VDD	98	I	FV14
19	I	MDF2	39	O	CVB	59	O	DY0	79	I	BGP	99	I	FV13
20	I	TST1	40	—	GND	60	I	TST3	80	O	VRW	100	I	FV12

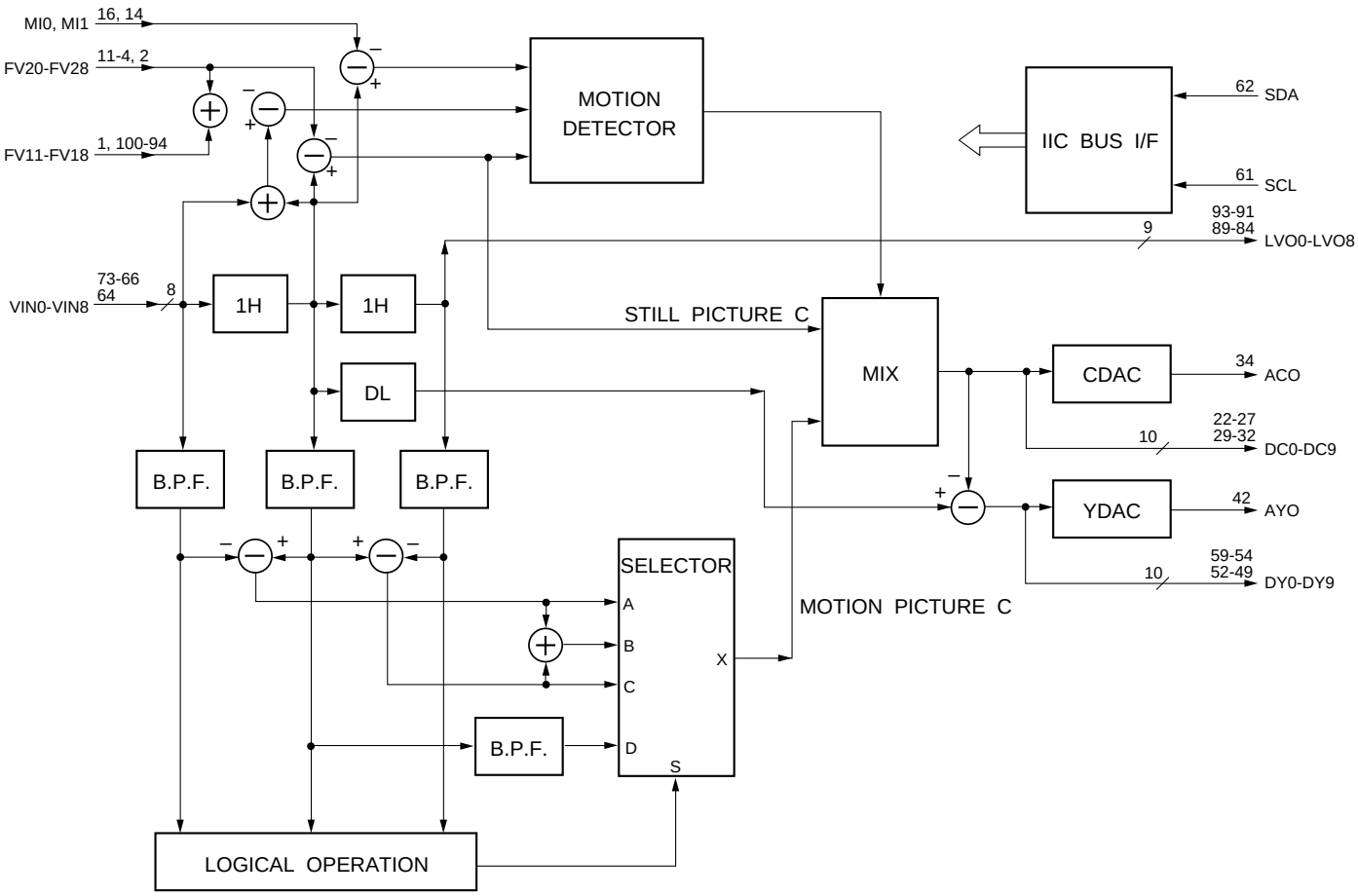


INPUT

BGP	;	BURST GATE PULSE
CKI1	;	SYSTEM CLOCK
CKI2	;	CXD2029Q MASTER CLOCK (=CKO)
CVRF	;	ANALOG CHROMA V REFERENCE
FV11 - FV18	;	FRAME DELAY (525H)
FV20 - FV28	;	FRAME DELAY (526H)
MDF1, MDF2	;	TEMPORAL FILTER
MI0, MI1	;	CHROMA 2 FRAME DELAY
POR	;	IIC BUS POWER ON RESET
SCL	;	IIC BUS CLOCK
SDA	;	IIC BUS DATA
TST1 - TST4	;	TEST PIN (NORMAL USE IS LOW)
VIN0 - VIN8	;	DIGITAL COMPOSITE VIDEO
VP	;	V PULSE
YVRF	;	ANALOG LUMINANCE V REFERENCE

OUTPUT

ACO	;	ANALOG CHROMA
AYO	;	ANALOG LUMINANCE
CIRF	;	CONNECT 16 TIMES OUTPUT RESISTANCE
CKO	;	SYSTEM CLOCK
CVB, CVG	;	CONNECT ABOUT 0.1µF
DC0 - DC9	;	DIGITAL CHROMA
DY0 - DY9	;	DIGITAL LUMINANCE
LVO0 - LVO8	;	2H DELEY
MDO	;	TEMPORAL FILTER
MO0, MO1	;	CHROMA 1 FRAME DELAY
VRR1 - VRR3	;	V READ RESET
VRW	;	V WIGHT RESET
YIRF	;	CONNECT 16 TIMES OUTPUT RESISTANCE
YVB, YVG	;	CONNECT ABOUT 0.1µF


MI0, MI1
16, 14
FV20-FV28
11-4, 2
FV11-FV18
1, 100-94
MOTION DETECTOR
IIC BUS I/F
62
SDA
61
SCL
93-91
89-84
9
LVO0-LVO8
VIN0-VIN8
73-66
64
8
1H
1H
DL
STILL PICTURE C
MIX
CDAC
34
ACO
22-27
29-32
10
DC0-DC9
B.P.F.
B.P.F.
B.P.F.
YDAC
42
AYO
59-54
52-49
10
DY0-DY9
SELECTOR
A
B
C
D
X
S
MOTION PICTURE C
B.P.F.
LOGICAL OPERATION