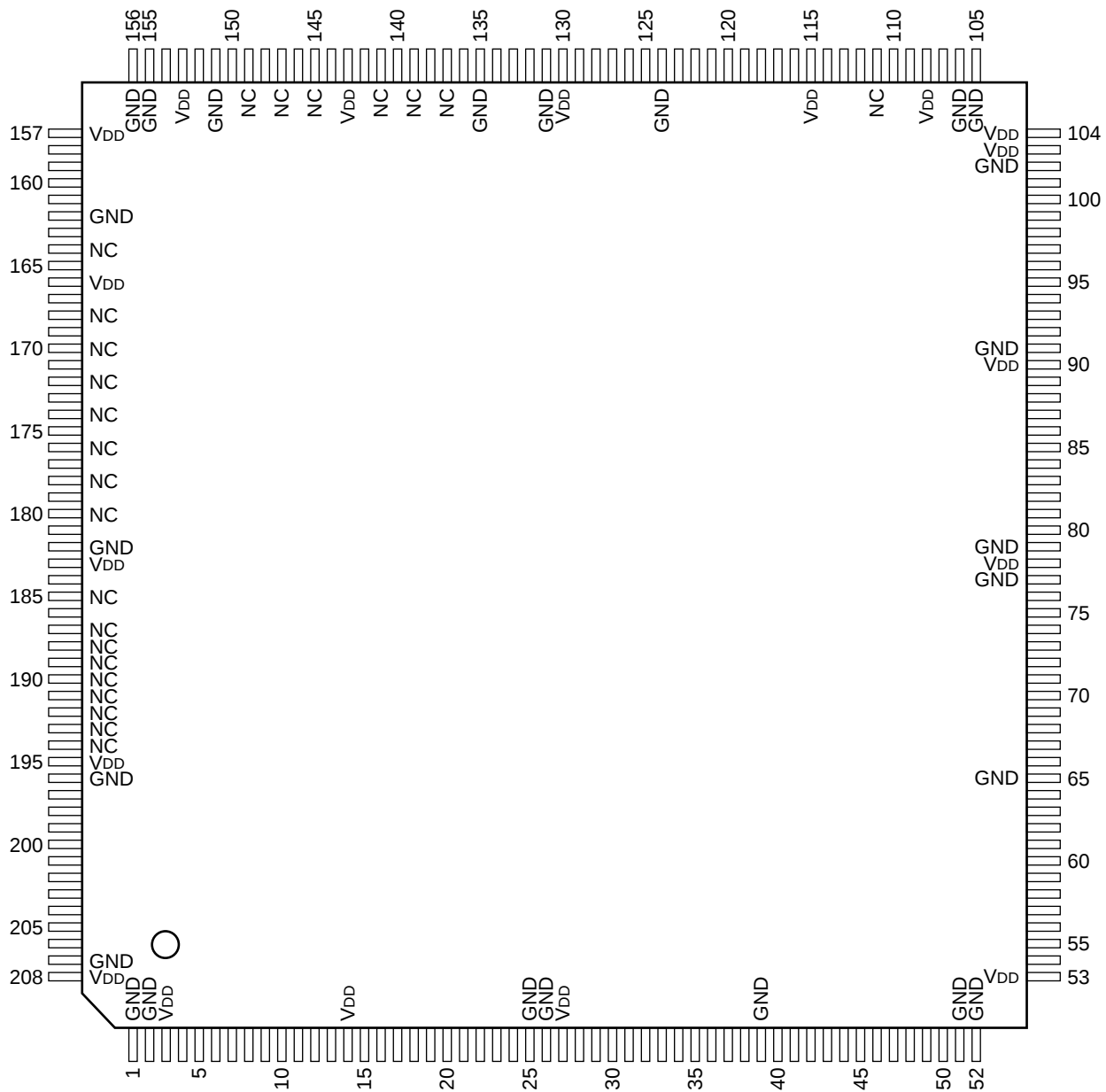


C-MOS DIGITAL ENCODER/GENLOCK

—TOP VIEW—



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	—	GND	53	—	V _{DD}	105	—	GND	157	—	V _{DD}
2	—	GND	54	I	Y10	106	—	GND	158	O	ADHD
3	—	V _{DD}	55	I	Y9	107	O	MARK	159	O	ADVPBLK
4	O	DT19	56	I	Y8	108	—	V _{DD}	160	O	MKBC
5	O	DT18	57	I	Y7	109	I	EXTHD	161	O	ADVD
6	O	DT17	58	I	Y6	110	I	EXTVD	162	—	GND
7	O	DT16	59	I	Y5	111	—	NC	163	O	ICS
8	O	DT15	60	I	Y4	112	I	ARDTI	164	—	NC
9	O	DT14	61	I	Y3	113	I	CHAR	165	I/O	ICD
10	O	DT13	62	I	Y2	114	I	CHRG	166	—	V _{DD}
11	O	DT12	63	I	Y1	115	—	V _{DD}	167	I	ICK
12	O	DT11	64	I	Y0	116	I	SCCI7	168	—	NC
13	O	DT10	65	—	GND	117	I	SCCI6	169	O	TDO
14	—	V _{DD}	66	I/O	MP0	118	I	SCCI5	170	—	NC
15	I	VFI9	67	I/O	MP1	119	I	SCCI4	171	I	TCK
16	I	VFI8	68	I/O	MP2	120	I	SCCI3	172	—	NC
17	I	VFI7	69	I/O	MP3	121	I	SCCI2	173	I	TDI
18	I	VFI6	70	I/O	MP4	122	I	SCCI1	174	—	NC
19	I	VFI5	71	I/O	MP5	123	I	SCCI0	175	I	TMS
20	I	VFI4	72	I/O	MP6	124	—	GND	176	—	NC
21	I	VFI3	73	I/O	MP7	125	O	SCO7	177	I	TRST
22	I	VFI2	74	I/O	MP8	126	O	SCO6	178	—	NC
23	I	VFI1	75	I/O	MP9	127	O	SCO5	179	I	ASET
24	I	VFI0	76	I/O	MP10	128	O	SCO4	180	—	NC
25	—	GND	77	—	GND	129	O	SCO3	181	I	$\overline{\text{OE}}$
26	—	GND	78	—	V _{DD}	130	—	V _{DD}	182	—	GND
27	—	V _{DD}	79	—	GND	131	—	GND	183	—	V _{DD}
28	I	BY10	80	O	VFO0	132	O	SCO2	184	I	TEST
29	I	BY9	81	O	VFO1	133	O	SCO1	185	—	NC
30	I	BY8	82	O	VFO2	134	O	SCO0	186	I/O	CLR
31	I	BY7	83	O	VFO3	135	—	GND	187	—	NC
32	I	BY6	84	O	VFO4	136	I	FLDI	188	—	NC
33	I	BY5	85	O	VFO5	137	—	NC	189	—	NC
34	I	BY4	86	O	VFO6	138	I	VD	190	—	NC
35	I	BY3	87	O	VFO7	139	—	NC	191	—	NC
36	I	BY2	88	O	VFO8	140	I	LALT	192	—	NC
37	I	BY1	89	O	VFO9	141	—	NC	193	—	NC
38	I	BY0	90	—	V _{DD}	142	I	2FH	194	—	NC
39	—	GND	91	—	GND	143	—	V _{DD}	195	—	V _{DD}
40	I	RY10	92	O	TST0	144	I	BLKG	196	—	GND
41	I	RY9	93	O	TST1	145	—	NC	197	I	DT9
42	I	RY8	94	O	TST2	146	I	BF	198	I	DT8
43	I	RY7	95	O	TST3	147	—	NC	199	I	DT7
44	I	RY6	96	O	TST4	148	I	SYNC	200	I	DT6
45	I	RY5	97	O	TST5	149	—	NC	201	I	DT5
46	I	RY4	98	O	TST6	150	I	HD	202	I	DT4
47	I	RY3	99	O	TST7	151	—	GND	203	I	DT3
48	I	RY2	100	O	TST8	152	I	18M	204	I	DT2
49	I	RY1	101	O	TST9	153	—	V _{DD}	205	I	DT1
50	I	RY0	102	—	GND	154	I	36M	206	I	DT0
51	—	GND	103	—	V _{DD}	155	—	GND	207	—	GND
52	—	GND	104	—	V _{DD}	156	—	GND	208	—	V _{DD}

INPUT

18M	: 18 MHz CLOCK
2FH	: 2fH
36M	: 36 MHz CLOCK
ARDTI	: AREA DETECT PULSE/SKIN TONE GATE
ASET	: IIC ASET
BF	: BURST FLAG
BLKG	: BLANKING
BY0 - BY10	: B-Y DATA
CHAR	: CHARACTER
CHRG	: CHARACTER GATE
DT0 - DT19	: DETAIL
EXTHD	: EXTERNAL HD
EXTVD	: EXTERNAL VD
FLDI	: FIELD
HD	: HORIZONTAL DRIVE
ICK	: SCK
LALT	: LINE ALTERNATE
$\overline{\text{OE}}$	: OUTPUT ENABLE
RY0 - RY10	: R-Y DATA
SCCI0 - SCCI7	: SUBCARRIER CONTROL
SYNC	: SYNC
TCK	: SELF-DIAGNOSIS CLOCK
TDI	: SELF-DIAGNOSIS DATA
TEST	: (CONNECT TO GROUND)
TMS	: SELF-DIAGNOSIS MODE SELECT
TRST	: SELF-DIAGNOSIS RESET
VD	: VERTICAL DRIVE
Y0 - Y10	: Y DATA
VFI0 - VFI9	: VF

OUTPUT

ADHD	: ADVANCED HD
ADVD	: ADVANCED VD
ADVPBLK	: ADVANCED PRE-BLANKING
ICS	: IIC ACK
MARK	: MARKER (OTHER THAN BOX CURSOR)
MKBC	: MARKER (BOX CURSOR)
SCO0 - SCO7	: SERIAL SUBCARRIER
TDO	: SELF-DIAGNOSIS DATA
TST0 - TST9	: TEST
VFO0 - VFO9	: VF

INPUT/OUTPUT

CLR	: CLEAR
ICD	: IIC DATA
MP0 - MP10	: MULTIPLEXED R-Y/B-Y DIRECTION CONTROL