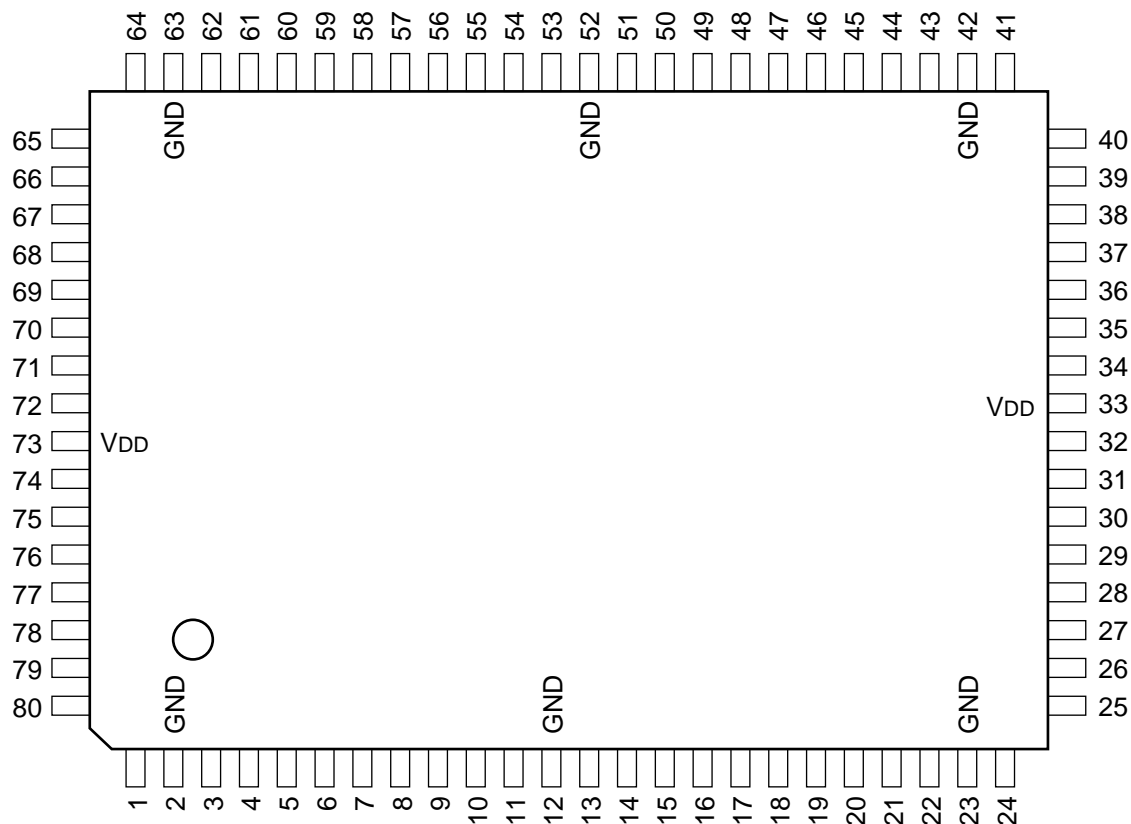


C-MOS BOX GENERATOR

—TOP VIEW—



PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	I	OCS	21	I	MXI6	41	O	MXO3	61	O	MXG8
2	—	GND	22	I	MXI5	42	—	GND	62	O	MXG9
3	O	SOLB	23	—	GND	43	O	MXO4	63	—	GND
4	O	SOLA	24	I	MXI4	44	O	MXO5	64	O	MXGA
5	O	SOL9	25	I	MXI3	45	O	MXO6	65	O	MXGB
6	O	SOL8	26	I	MXI2	46	O	MXO7	66	O	TITL
7	O	SOL7	27	I	MXI1	47	O	MXO8	67	I	CHAR
8	O	SOL6	28	I	MXI0	48	O	MXO9	68	I	TST1
9	O	SOL5	29	I	EXT	49	O	MXOA	69	I	TST0
10	O	SOL4	30	I	EXFR	50	O	MXOB	70	I	MOD1
11	O	SOL3	31	I	HD	51	I	OCG	71	I	MOD0
12	—	GND	32	I	VD	52	—	GND	72	I	RST
13	O	SOL2	33	—	VDD	53	O	MXG0	73	—	VDD
14	O	SOL1	34	I	FLOE	54	O	MXG1	74	I	CKX
15	O	SOL0	35	O	GCTL	55	O	MXG2	75	I	CS
16	I	MXIB	36	O	DCTL	56	O	MXG3	76	I/O	DIO
17	I	MXIA	37	I	OCM	57	O	MXG4	77	I	ADR
18	I	MXI9	38	O	MXO0	58	O	MXG5	78	I	CKD
19	I	MXI8	39	O	MXO1	59	O	MXG6	79	I	TRCK
20	I	MXI7	40	O	MXO2	60	O	MXG7	80	I	CK

INPUT

ADR ; SERIAL ADDRESS
 CHAR ; CHARACTER
 CK ; SYSTEM CLOCK (MAX. 20 MHz)
 CKD ; SERIAL INTERFACE CLOCK
 CKX ; SWITCHING TIMING PULSE (HIGH ACTIVE)
 CS ; CHIP SELECT
 EXFR ; EXTERNAL FRINGE PULSE
 EXT ; EXTERNAL FRINGE MODE
 FLOE ; FIELD ODD/EVEN
 HD ; HORIZONTAL DRIVE PULSE

MIXB - MIX0 ;

MODE 0	NOT USED
MODE 1	VIDEO DATA
MODE 2	MULTIPLEXED SINE DATA
MODE 3	

MOD1, 2 ; MODE SET

MOD1	MOD0	MODE	FUNCTION
0	0	MODE0	BOX MASK SOLID GENERATOR
	1	MODE1	SAFE TITLE GENERATOR/INSERTER
1	0	MODE2	WIPE FRINGE MODULATION OSCILLATOR
	1	MODE3	WIPE H-V MODULATION OSCILLATOR

0 ; LOW LEVEL 1 ; HIGH LEVEL

OCG ; OUTPUT ENABLE OF MXGB-MXG0 (LOW : ENABLE)
 OCM ; OUTPUT ENABLE OF MXOB-MXO0 (LOW : ENABLE)
 OCS ; OUTPUT ENABLE OF SOLB-SOLO (LOW : ENABLE)
 RST ; SERIAL CONTROL RESET
 TRCK ; FRINGE DATA READ PULSE
 TST0 ; OUTPUT SWITCH
 TST1 ; TEST/NORMAL
 VD ; VERTICAL DRIVE PULSE

OUTPUT

DCTL ; MXO OUT CONTROL PULSE
 GCTL ; MXG OUT CONTROL PULSE

MXGB - MXG0 ;

MODE 0	COUNTER OUTPUT
MODE 1	COUNTER OUTPUT
MODE 2	FRINGE MOD. GAIN
MODE 3	H-V MOD. MULTIPLEXED GAIN

MXOB - MXO0 ;

MODE 0	SOLID DATA
MODE 1	SOLID DATA
MODE 2	FRINGE MOD. ADDRESS
MODE 3	H-V MOD. MULTIPLEXED ADDRESS

SOLB - SOLO ;

MODE 0	SOLID DATA
MODE 1	SAFETITLED DATA
MODE 2	FRINGE DATA
MODE 3	H MOD. DATA

TITL ; SAFE TITLE

INPUT/OUTPUT

DIO ; SERIAL DATA

