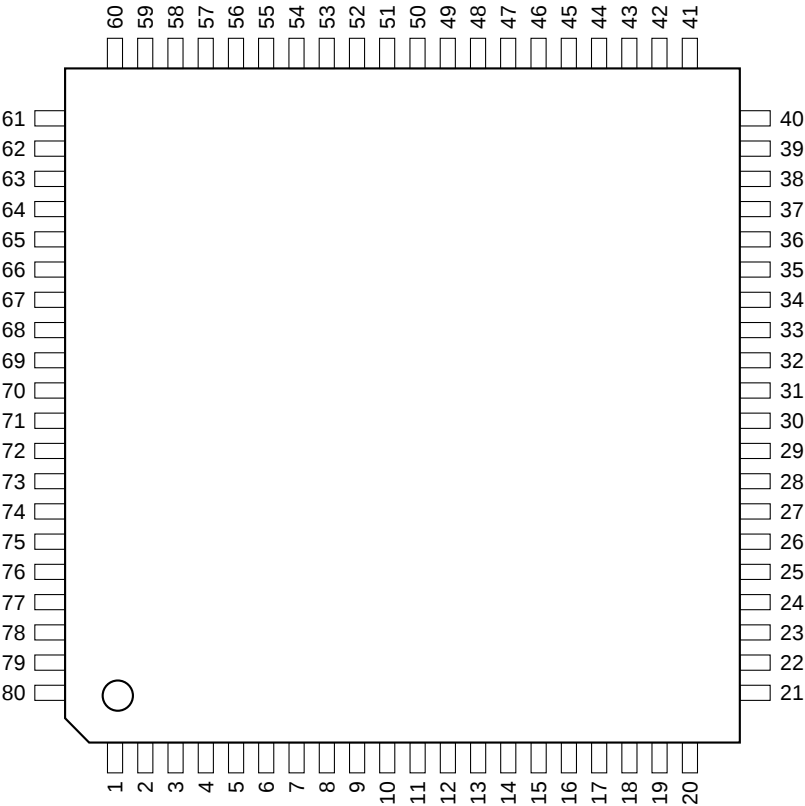


TIMING GENERATOR

—TOP VIEW—



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	O	P37O	21	I	CLK59/60/SCLK	41	I	SSNORM	61	—	GND
2	O	N37O	22	O	C59EN	42	O	VH2	62	O	ST3/RPCLK
3	—	GND	23	O	AUX7	43	O	VH1	63	O	ST2/37N
4	I	RST2	24	O	AUX6	44	O	SMG	64	O	ST1/37P
5	I	PGG1I	25	O	AUX5	45	O	HHG	65	O	SUB
6	I	PGG2I	26	O	AUX4	46	—	GND	66	I	MODE1
7	—	Vcc	27	O	AUX3	47	O	SSCAN	67	I	MODE2
8	I	BLK1/SDATA	28	O	AUX2	48	O	IM4/PG	68	I	MODE3
9	O	BLK1O	29	—	GND	49	O	IM3/H2	69	I	TEST1
10	I	BLK2/SLOAD	30	I	MPX12GI	50	O	IM2/H1	70	I	TEST2
11	O	BLK2O	31	I	MPX11G1	51		IM1/LH	71	I	RST3
12	—	GND	32	O	MPXP37	52	—	GND	72	O	CLP
13	I	CLK60	33	—	Vcc	53	O	SG2	73	—	Vcc
14	I	CLK59	34	O	AUX1	54	O	SG1	74	I	HCLK
15	—	Vcc	35	O	AUX0	55	O	ST8/VPHS	75	—	NC
16	O	BSHON	36	O	MPXN37	56	O	ST7/HPHS	76	I	SHG2I
17	O	WSHON	37	I	MPX22GI	57	O	ST6/MPX2	77	I	SHG1I
18	O	CXDENO	38	I	MPX21GI	58	O	ST5/MPX1	78	O	FLD/FRM
19	I	RST1	39	—	GND	59	O	ST4/SH	79	I	VRST
20	I	IOSEL	40	—	Vcc	60	—	Vcc	80	I	HRTS

INPUTS

BLK1, BLK2	: HORIZONTAL BLANKING
CLK59, CLK60	: CLOCK
HCLK	: CLOCK
HRTS	: HORIZONTAL RESET
IOSEL	: I/O SETTING
MODE1 - MODE3	: CCD DRIVE MODE SETTING1 - SETTING3
MPX11GI, MPX12GI	: MPX11GI, MPX12GI
MPX21GI, MPX22GI	: MPX21GI, MPX22GI
PGG1I, PGG2I	: PGG1I, PGG2I
RST1 - RST3	: RESET
SCLK	: SERIAL CLOCK
SDATA	: SERIAL DATA
SHG1I, SHG2I	: SHG1I, SHG2I
SLOAD	: SERIAL LOAD
SSNORM	: HORIZONTAL TRANSFER MODE SELECT
TEST1, TEST2	: TEST1, TEST2
VRST	: VERTICAL RESET

OUTPUTS

37N	: 37N
37P	: 37P
AUX0 - AUX7	: AUX0 - AUX7
BLK1O, BLK2O	: HORIZONTAL BLANKING
BSHON	: BLACK SHADING
C59EN	: CLOCK MODE SELECT
CLP	: CLAMP
CXDENO	: CXD CLOCK SELECT
FLD/FRM	: FIELD/FRAME
$\overline{\text{HHG}}$	: $\overline{\text{HHG}}$
$\overline{\text{IM1}} - \overline{\text{IM4}}$	: $\overline{\text{IM1}} - \overline{\text{IM4}}$
$\overline{\text{LH}}$	: $\overline{\text{LH}}$
$\overline{\text{H1}} - \overline{\text{H2}}$	: $\overline{\text{H1}} - \overline{\text{H2}}$
HPHS	: HPHS
MPX1, MPX2	: MPX1, MPX2
MPXN37, MPXP37	: 1/2 DIVIDER
N37O, P37O	: 1/2 DIVIDER
$\overline{\text{PG}}$	: $\overline{\text{PG}}$
RPCLK	: RPCLK
$\overline{\text{SG1}}, \overline{\text{SG2}}$	: $\overline{\text{SG1}}, \overline{\text{SG2}}$
$\overline{\text{SH}}$	: $\overline{\text{SH}}$
SMG	: SMG
SSCAN	: HORIZONTAL TRANSFER MODE SELECT
$\overline{\text{ST1}} - \overline{\text{ST8}}$	: $\overline{\text{ST1}} - \overline{\text{ST8}}$
$\overline{\text{SUB}}$	: CCD ELECTRON CHARGE SUBSTRATE
$\overline{\text{VH1}}, \overline{\text{VH2}}$	: $\overline{\text{XVH1}}, \overline{\text{XVH2}}$
VPHS	: VPHS
WSHON	: A/D CONVERSION ON/OFF CONTROL FOR WHITE SHADING

OTHER

NC	: NO CONNECTION
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