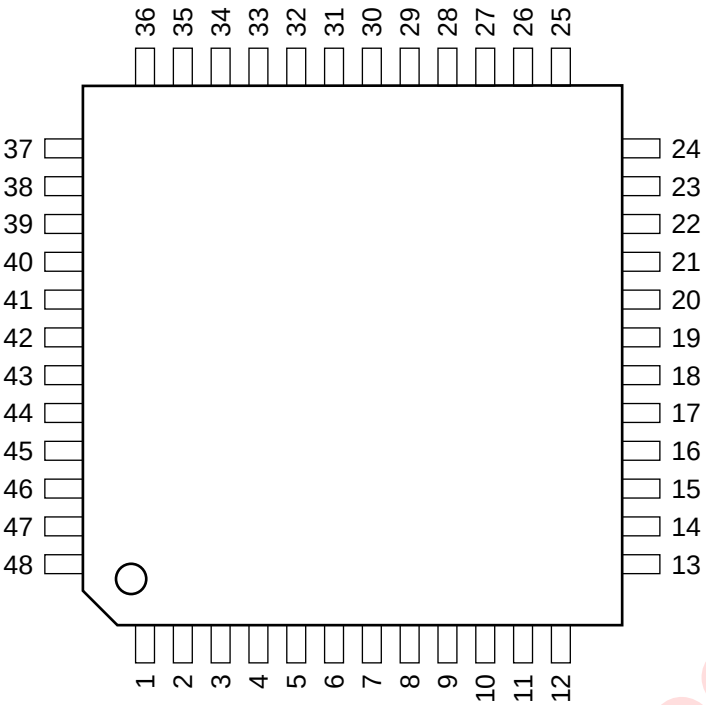
TIMING GENERRATOR

—TOP VIEW—



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	O	CAMENO	13	I/O	OSCO	25	O	$\overline{V2}$	37	O	PBLK
2	O	BUSY	14	I	SMD2	26	O	$\overline{V1}$	38	O	ID
3	O	CL	15	I	STRB	27	O	$\overline{SG}$	39	O	WEN
4	O	CLD	16	I	DCLK	28	I	TSTMD	40	O	VD60
5	O	CKO	17	I	DATA	29	I	WM	41	I	GRST
6	—	GND	18	—	GND	30	—	Vcc	42	—	GND
7	—	Vcc	19	—	Vcc	31	—	GND	43	—	Vcc
8	I	TRGM	20	O	RG	32	O	$\overline{SHP}$	44	I	STDBY
9	I	TRIG	21	O	$\overline{SUB}$	33	O	$\overline{SHD}$	45	I	I ACT
10	I	PS	22	O	H1	34	O	$\overline{RS}$	46	I	MCENI
11	I	SMD1	23	O	H2	35	O	$\overline{CPDM}$	47	I	VD
12	I	OSCI	24	O	$\overline{V3}$	36	O	$\overline{CPOB}$	48	I	HD

INPUTS

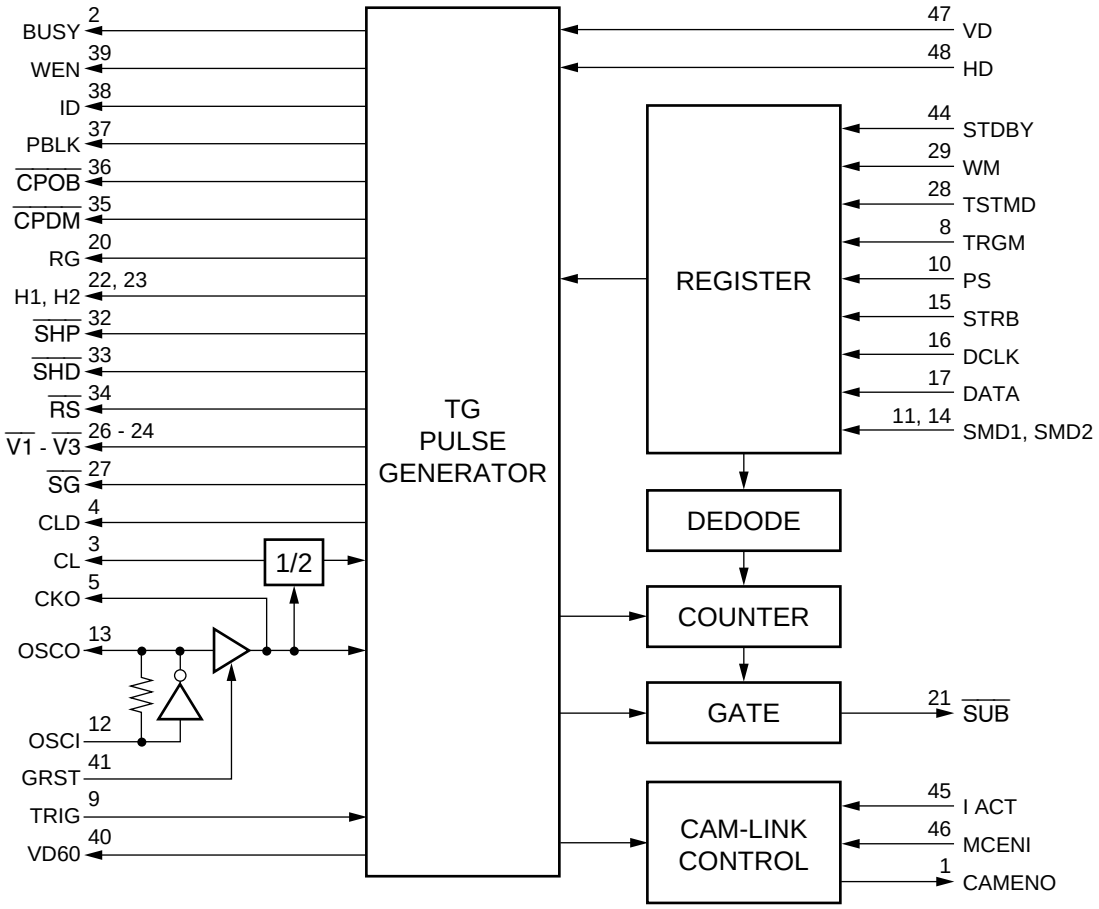
DATA	:	SERIAL INTERFACE DATA
DCLK	:	SERIAL INTERFACE CLOCK
GRST	:	RESET
HD	:	HORIZONTAL DRIVE PULS
I ACT	:	MC ISO ACT
MCENI	:	CPU ENABLE
OSCI	:	OSCILLATOR
PS	:	SHUTTER SPEED PARALLEL OR SERIAL
SMD1, SMD2	:	SHUTTER MODE
STDBY	:	STANDBY
STRB	:	SERIAL INTERFACE STROBE
TRGM	:	TRIGGER MODE
TRIG	:	EXT TRIGGER PULSE
TSTMD	:	TEST MODE
VD	:	VERTICAL DRIVE PULSE
WM	:	WRITE ENABLE MODE

OUTPUTS

BUSY	:	BUSY
CAMENO	:	CAMERA ENABLE
CKO	:	CLOCK (24.5 MHz)
CL	:	CLOCK (12.3 MHz)
CLD	:	CLOCK FOR A/D CONVERTER
$\overline{\text{CPDM}}$	:	CCD DUMMY SIGNAL CLAMP PULSE
$\overline{\text{CPOB}}$	:	CCD OPTICAL BLACK CLAMP PULSE
H1, H2	:	HORIZONTAL REGISTER CLOCK
ID	:	VERTICAL LINE DISCRIMINATION
PBLK	:	PRE-BLANKING PULSE
RG	:	RESET GATE PULSE
$\overline{\text{RS}}$	:	PHASE ADJUST SAMPLE HOLD PULSE
$\overline{\text{SG}}$	:	SENSOR READ CLOCK
$\overline{\text{SHD}}$	:	DATA LEVEL SAMPLE HOLD PULSE
$\overline{\text{SHP}}$	:	PRE-CHARGE LEVEL SAMPLE HOLD PULSE
$\overline{\text{SUB}}$	:	SHUTTER PULSE
$\overline{\text{V1}}$ - $\overline{\text{V3}}$	:	VERTICAL REGISTER CLOCK
VD60	:	VERTICAL DRIVE PULSE 60 Hz
WEN	:	WRITE ENABLE PULSE

INPUT/OUTPUT

OSCO	:	OSCILLATOR


BUSY 2
WEN 39
ID 38
PBLK 37
CPOB 36
CPDM 35
RG 20
H1, H2 22, 23
SHP 32
SHD 33
RS 34
V1 - V3 26 - 24
SG 27
CLD 4
CL 3
CKO 5
OSCO 13
OSCI 12
GRST 41
TRIG 9
VD60 40
1/2
TG
PULSE
GENERATOR
47 VD
48 HD
REGISTER
44 STDBY
29 WM
28 TSTMD
8 TRGM
10 PS
15 STRB
16 DCLK
17 DATA
11, 14 SMD1, SMD2
DEDODE
COUNTER
GATE
21 SUB
CAM-LINK
CONTROL
45 I ACT
46 MCENI
1 CAMENO