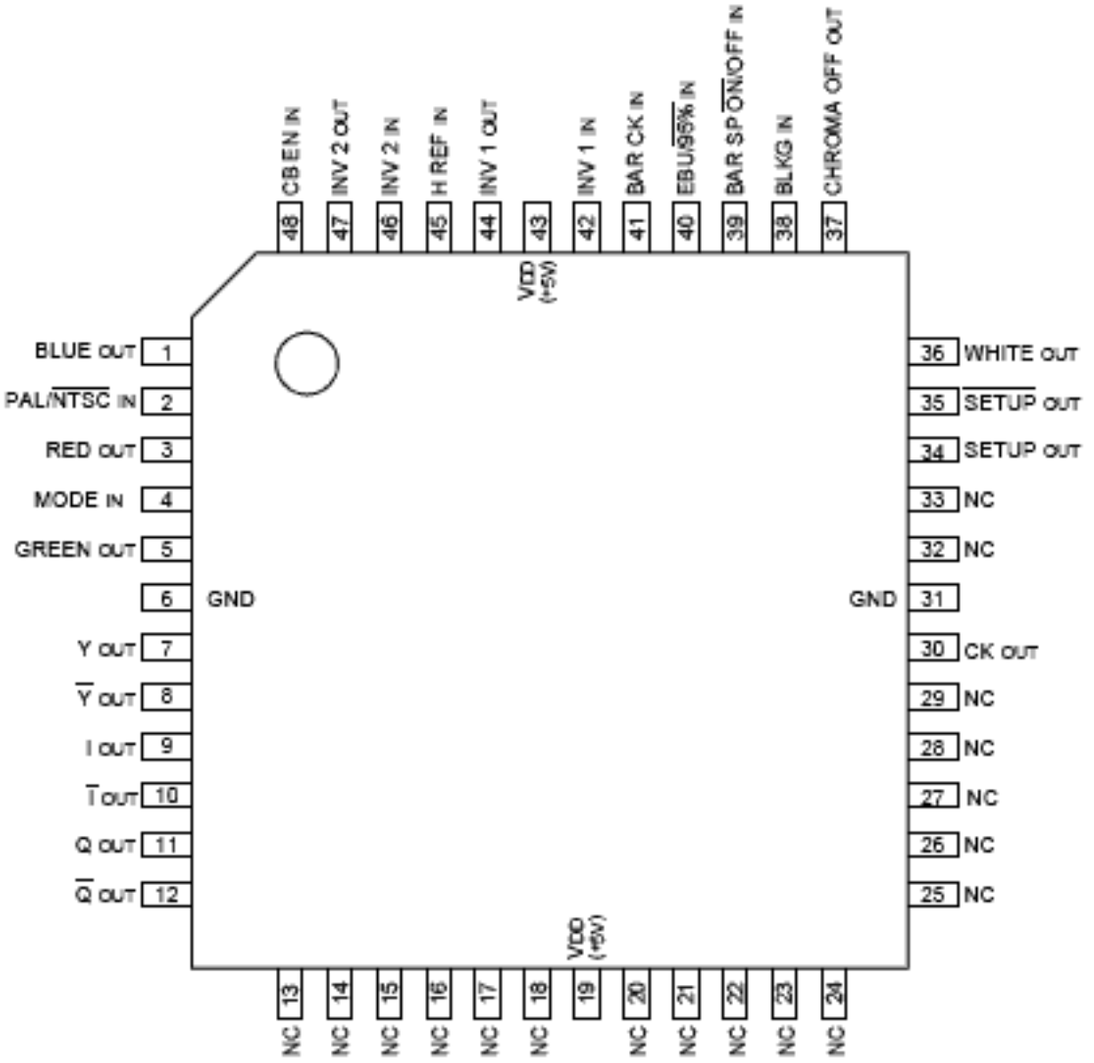
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C-MOS COLOR BAR GENERATOR

-TOP VIEW-



INPUT				FUNCTION
PAL/$\overline{\text{NTSC}}$	MODE	EBU/$\overline{95\%}$	BAR SP	
0	0	0	0	EIAJ COLOR BAR
0	0	0	1	FULL FIELD COLOR BAR
0	0	1	0	INHIBIT
0	0	1	1	INHIBIT
0	1	0	0	EIAJ COLOR BAR
0	1	0	1	FULL FIELD COLOR BAR
0	1	1	0	SMPTE COLOR BAR
0	1	1	1	COLOR BAR + Y BAR
1	0	0	0	95% COLOR BAR
1	0	0	1	INHIBIT
1	0	1	0	EBU COLOR BAR
1	0	1	1	INHIBIT
1	1	0	0	95% COLOR BAR
1	1	0	1	COLOR BAR + Y BAR
1	1	1	0	EBU COLOR BAR
1	1	1	1	INHIBIT

0 ; LOW LEVEL
1 ; HIGH LEVEL

○ COLOR BAR PATTERN

EIAJ COLOR BAR (NTSC)

GRAY	YELLOW	CYAN	GREEN	MAGENTA	RED	BLUE
– I	WHITE	+ Q	BLACK			

COLOR BAR + Y BAR (PAL) or (NTSC)

WHITE	YELLOW	CYAN	GREEN	MAGENTA	RED	BLUE	BLACK
WHITE	GRAY	GRAY	GRAY	GRAY	GRAY	GRAY	BLACK

FULL FIELD COLOR BAR (NTSC)

GRAY	YELLOW	CYAN	GREEN	MAGENTA	RED	BLUE

95% COLOR BAR (PAL)

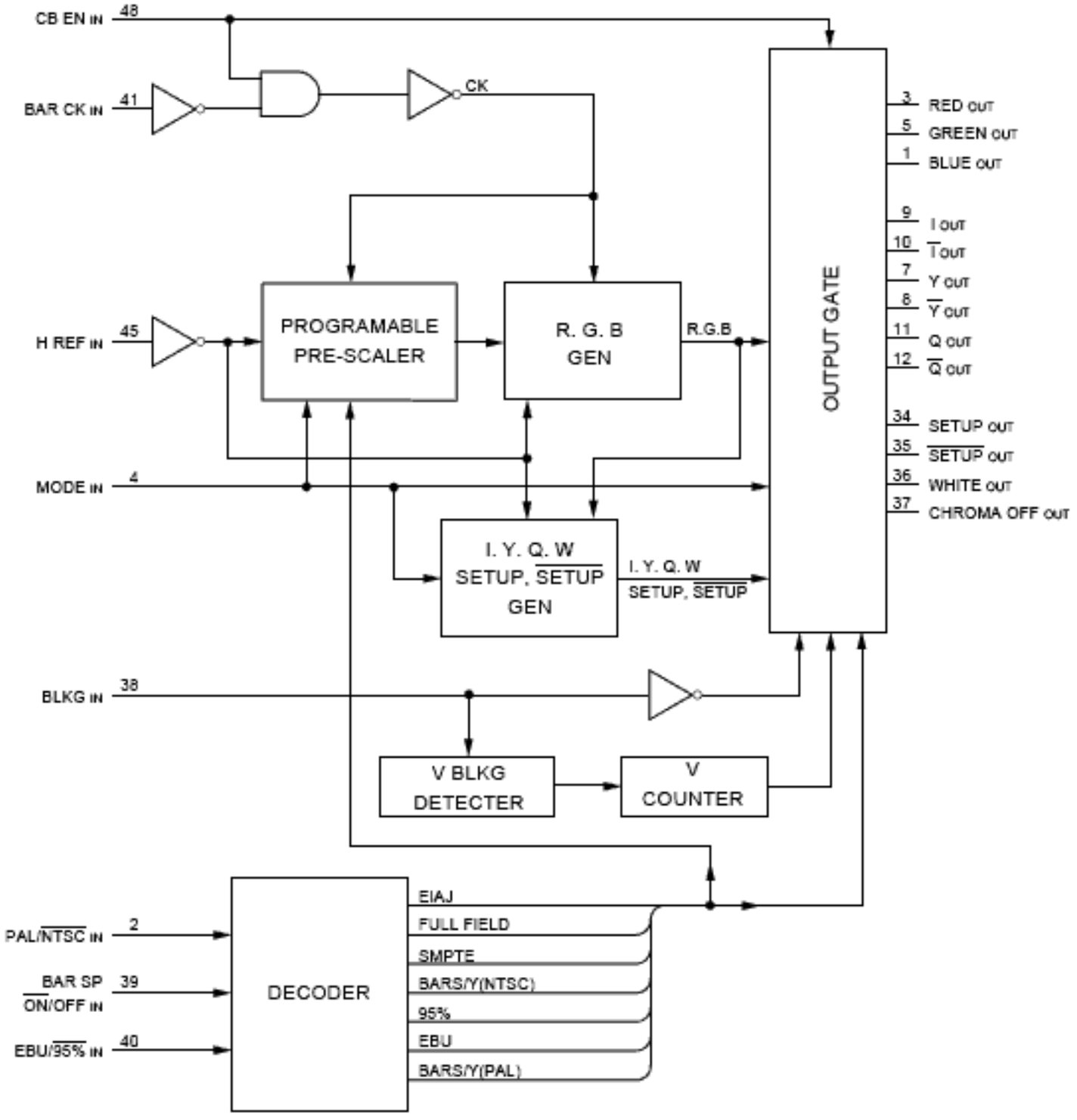
WHITE	YELLOW	CYAN	GREEN	MAGENTA	RED	BLUE	BLACK

SMPTE COLOR BAR (NTSC)

GRAY	YELLOW	CYAN	GREEN	MAGENTA	RED	BLUE
BLUE	BLACK	MAGENTA	BLACK	CYAN	BLACK	GRAY
– I	WHITE	+ Q	BLACK		-4 BLACK / BLACK / +4 BLACK	BLACK

EBU COLOR BAR (PAL)

WHITE	YELLOW	CYAN	GREEN	MAGENTA	RED	BLUE	BLACK


CB EN IN
48
BAR CK IN
41
CK
H REF IN
45
PROGRAMABLE PRE-SCALER
R. G. B GEN
R.G.B
MODE IN
4
I. Y. Q. W SETUP, SETUP GEN
I. Y. Q. W SETUP, SETUP
BLKG IN
38
V BLKG DETECTER
V COUNTER
OUTPUT GATE
3 RED OUT
5 GREEN OUT
1 BLUE OUT
9 I OUT
10 I OUT
7 Y OUT
8 Y OUT
11 Q OUT
12 Q OUT
34 SETUP OUT
35 SETUP OUT
36 WHITE OUT
37 CHROMA OFF OUT
PAL/NTSC IN
2
BAR SP ON/OFF IN
39
EBU/95% IN
40
DECODER
EIAJ
FULL FIELD
SMPTE
BARS/Y(NTSC)
95%
EBU
BARS/Y(PAL)