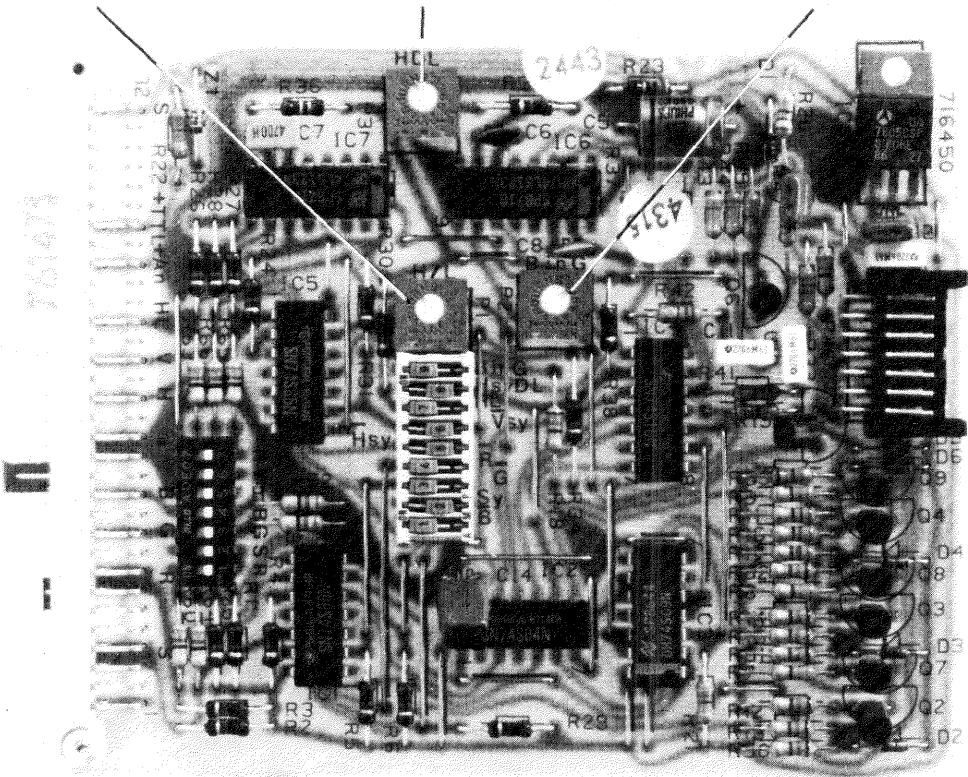


ADJUSTMENT LOW LEVEL INTENSITY ADJUSTMENT HORIZONTAL SYNC DELAY ADJ. BLUE INFORMATION IN GREEN





Line Termination Switches

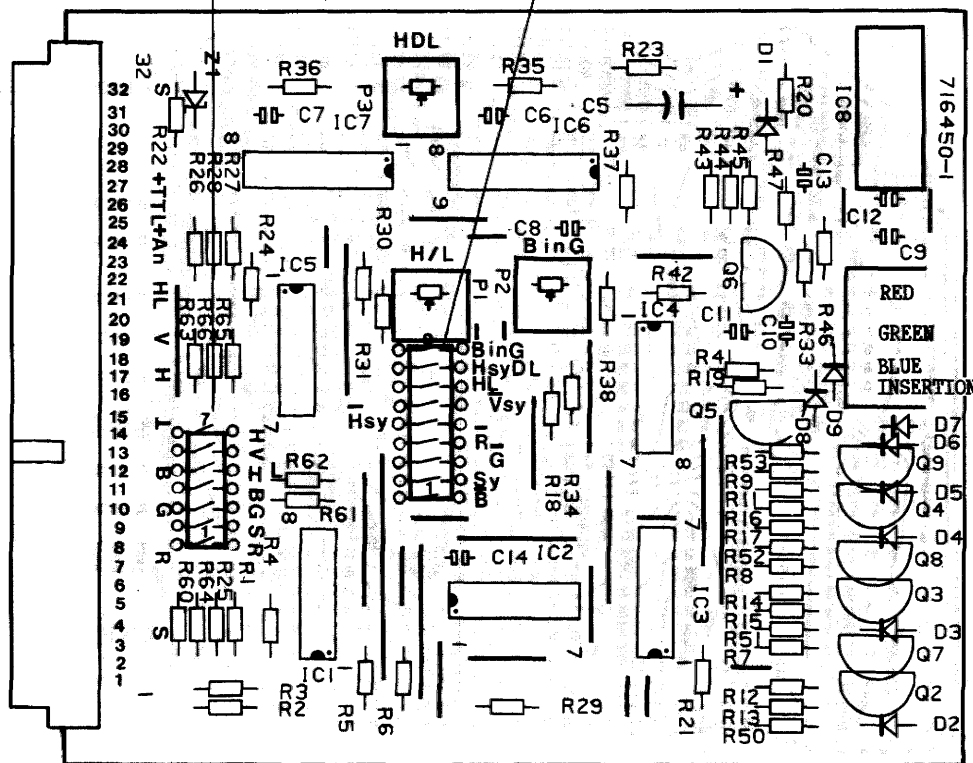
- (1) : Red
- (2) : Composite sync
- (3) : Green
- (4) : Blue
- (5) : Highlights
- (6) : Vertical sync
- (7) : Horizontal sync



Logic Adaptation Switches

TO FRAME

761395



Z

To Input
RGB-Analog
761443

Name INPUT RGB-TTL		Article nr. 761471
Date 15/12/87	Drawn LDW	Checked LDW
BARCO Electronic Noordlaan 5 8720 Kuurne - Belgium		

MODIFICATIONS RESERVED

DC-MEASUREMENTS

- Employed meter : FLUKE 8010A
- Supplied signal : RGB-TTL signal with composite sync., coming from a BARCO Multifrequency Cross Hatch Pattern Generator (Art.nr. 9825790 (220V) or 9825791 (110V)).
 - * Hor.frequency : 15 kHz
 - * Vert. frequency : 50 Hz

- ALL MEASURED VALUES ARE EXPRESSED IN VOLT (DC)

- Position of the switches on the board :

GLEICHSPANNUNGSMESSUNGEN

- Verwandtes Messgerät : FLUKE 8010A
- Gespeistes Signal : RGB-TTL Signal mit Vollständiges Synchronsignal, aus einem BARCO Multifrequency Cross Hatch Pattern Generator (Art.nr. 9825790 (220V) oder 9825791 (110V)).
 - * Hor. Frequenz : 15 KHz
 - * Vert. Frequenz : 50 Hz

- ALLE MESSWERTE SIND AUSGEDRÜCKT IN VOLT (DC)

- Position der Schalter auf dem Baustein :

	1	2	3	4	5	6	7	8	9
Line termination switches :	1	0	1	1	0	0	0	-	-
Logic adaptation switches :	1	0	1	1	0	0	1	0	0

1 = closed
0 = open

1 = geschlossen
0 = geöffnet

- Measurements :- Messungen :

pin	IC1	IC2	IC3	IC4	IC5	IC6	IC7	IC8	
1	0.7	0.7	0.7	4.0	4.9	0.1	8.9	output	4.9
2	0.0	3.0	0.7	4.9	4.9	4.9	9.0		0.0
3	0.7	0.7	0.9	4.9	0.2	4.9	9.0	input	16.9
4	0.7	3.0	3.0	4.8	1.9	5.4	0.0		-
5	0.0	0.7	3.0	0.2	1.8	0.1	0.0		-
6	0.7	3.0	4.2	3.8	0.2	0.0	0.0		-
7	0.0	0.0	0.0	0.0	0.0	1.7	1.3		-
8	0.7	0.1	4.2	4.9	0.2	0.0	0.0		-
9	0.7	4.9	3.0	3.0	4.9	0.0	0.0		-
10	0.0	4.1	3.0	0.8	4.9	0.2	0.2		-
11	0.3	0.2	4.2	3.0	4.9	4.9	4.9		-
12	4.6	4.2	3.0	0.2	4.9	6.7	5.5		-
13	4.9	0.2	3.0	5.5	0.0	0.1	6.8		-
14	4.9	4.9	4.9	4.9	4.9	0.0	0.0		-
15	-	-	-	-	-	1.4	0.9		-
16	-	-	-	-	-	4.9	4.9		-

- : pin is not used or does not exist

- Dieser Anschluß ist nicht verwendet oder besteht nicht

	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9
c	0.7	0.7	0.7	0.6	10.3	0.7	0.7	0.7
b	4.6	4.6	4.6	4.9	9.6	4.9	4.9	4.9
e	4.7	4.7	4.7	*	3.2	4.9	4.9	4.9

* : voltage is indefinite

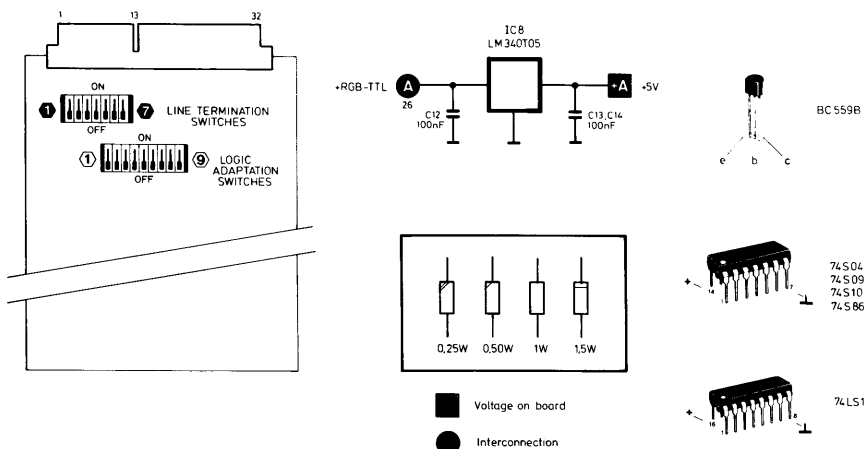
* : die Spannung ist unbestimmt

Remark : When switch "Adjustment Blue in Green" is closed, the voltages at Q5 are :

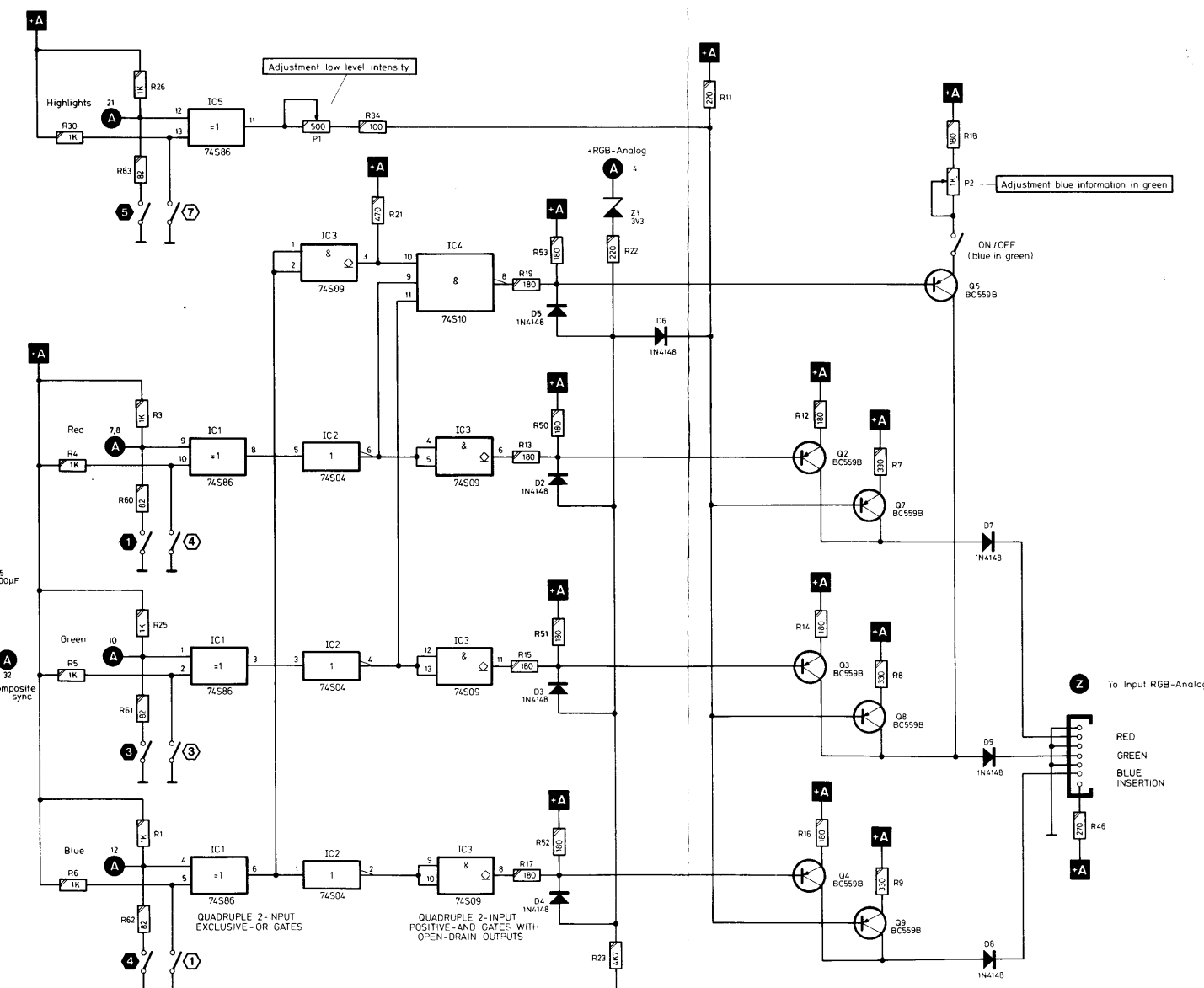
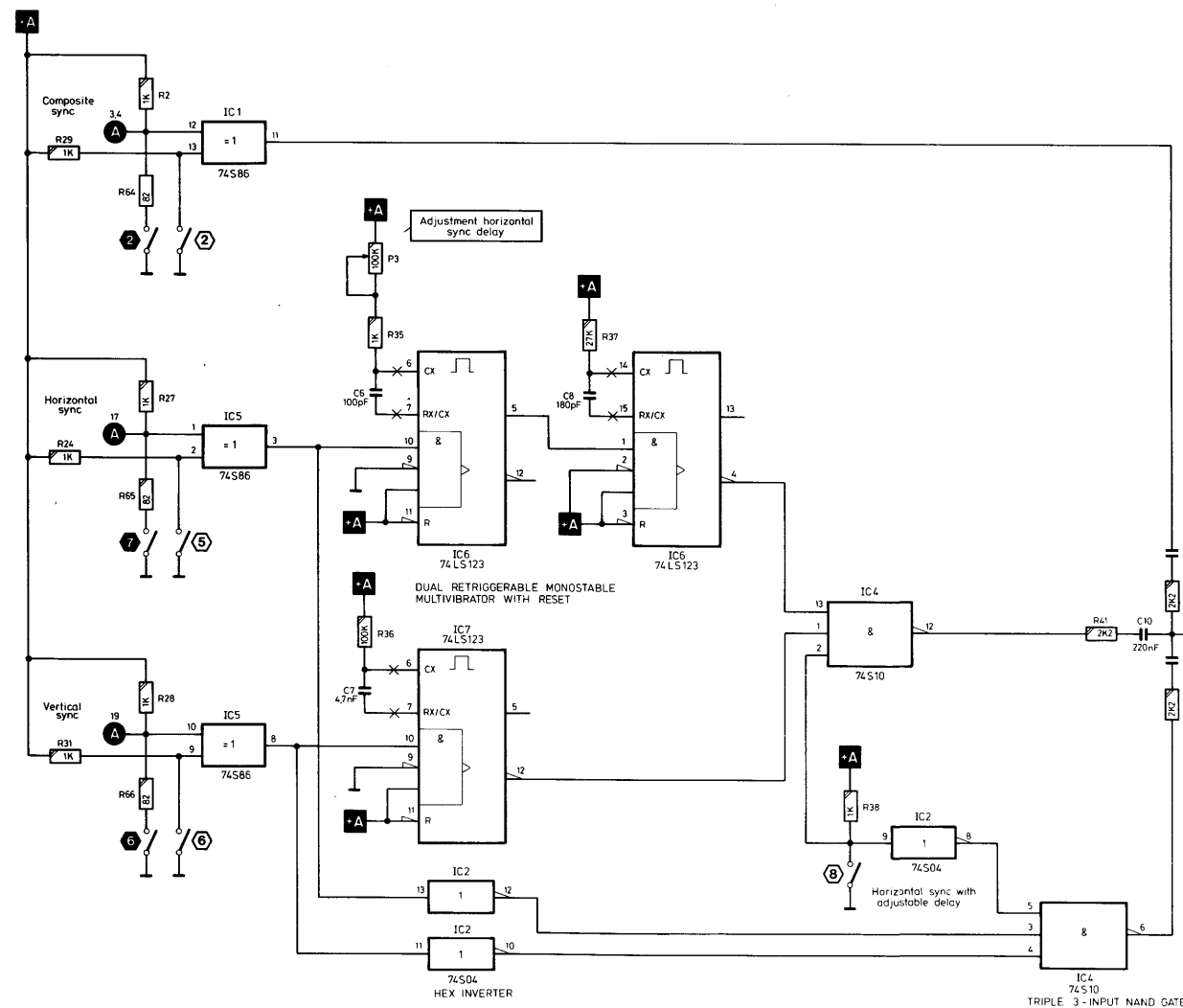
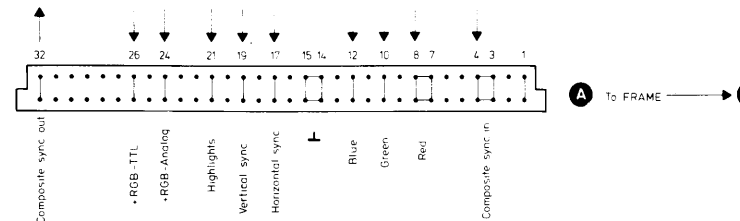
Bemerkung : Wann der Schalter "Adjustment Blue in Green" geschlossen wird, werden die Spannungen auf Q5 :

c : 0.7
b : 4.9
e : 4.9

ITEM NO.	SIT.	DESCRIPTION	ITEM NO.	SIT.	DESCRIPTION
11 1161	C..5	CAPACITOR ELAX 100M T 25	10 1127	R.14	RESISTOR CF 180E J OW25
11 2242	C..6	CAPACITOR NPO MI 100P J5 63	10 1127	R.15	RESISTOR CF 180E J OW25
11 5932	C..7	CAPACITOR PP RA 4K7 J5 63	10 1127	R.16	RESISTOR CF 180E J OW25
11 2365	C..8	CAPACITOR N750MI 180P J5 63	10 1127	R.17	RESISTOR CF 180E J OW25
11 3841	C..9	CAPACITOR PETPFP 220K M 63	10 1127	R.18	RESISTOR CF 180E J OW25
11 3841	C.10	CAPACITOR PETPFP 220K M 63	10 1127	R.19	RESISTOR CF 180E J OW25
11 3841	C.11	CAPACITOR PETPFP 220K M 63	10 1128	R.20	RESISTOR CF 220E J OW25
11 2774	C.12	CAPACITOR CE MI 100K U5 63	10 1132	R.21	RESISTOR CF 470E J OW25
11 2774	C.13	CAPACITOR CE MI 100K U5 63	10 1228	R.22	RESISTOR CF 220E J OW50
11 2774	C.14	CAPACITOR CE MI 100K U5 63	10 1144	R.23	RESISTOR CF 4K7 J OW25
13 1621	D..1	DIODE 1N4148 SWITCH	10 1136	R.24	RESISTOR CF 1K J OW25
13 1621	D..2	DIODE 1N4148 SWITCH	10 1136	R.25	RESISTOR CF 1K J OW25
13 1621	D..3	DIODE 1N4148 SWITCH	10 1136	R.26	RESISTOR CF 1K J OW25
13 1621	D..4	DIODE 1N4148 SWITCH	10 1136	R.27	RESISTOR CF 1K J OW25
13 1621	D..5	DIODE 1N4148 SWITCH	10 1136	R.28	RESISTOR CF 1K J OW25
13 1621	D..6	DIODE 1N4148 SWITCH	10 1136	R.29	RESISTOR CF 1K J OW25
13 1621	D..7	DIODE 1N4148 SWITCH	10 1136	R.30	RESISTOR CF 1K J OW25
13 1621	D..8	DIODE 1N4148 SWITCH	10 1136	R.31	RESISTOR CF 1K J OW25
13 1621	D..9	DIODE 1N4148 SWITCH	10 1140	R.33	RESISTOR CF 2K2 J OW25
13 7432	I..1	INTEGRATED CIRCUIT 74S86	10 1124	R.34	RESISTOR CF 100E J OW25
13 7429	I..2	INTEGRATED CIRCUIT 74S04	10 1136	R.35	RESISTOR CF 1K J OW25
13 7430	I..3	INTEGRATED CIRCUIT 74S09	10 1160	R.36	RESISTOR CF 100K J OW25
13 7433	I..4	INTEGRATED CIRCUIT 74S10	10 1153	R.37	RESISTOR CF 27K J OW25
13 7432	I..5	INTEGRATED CIRCUIT 74S86	10 1136	R.38	RESISTOR CF 1K J OW25
13 7480	I..6	INTEGRATED CIRCUIT 74LS123	10 1140	R.41	RESISTOR CF 2K2 J OW25
13 7480	I..7	INTEGRATED CIRCUIT 74LS123	10 1140	R.42	RESISTOR CF 2K2 J OW25
13 4001	I..8	INTEGRATED CIRCUIT 7805	10 1156	R.43	RESISTOR CF 47K J OW25
10 6725	P..1	TRIMPOT CEMH 500E K OW50	10 1158	R.44	RESISTOR CF 68K J OW25
10 6726	P..2	TRIMPOT CEMH 1K K OW50	10 1130	R.45	RESISTOR CF 330E J OW25
10 6733	P..3	TRIMPOT CEMH 100K K OW50	10 1129	R.46	RESISTOR CF 270E J OW25
71 6450	PC..	PC GRAPHICS RGB TTL 761471	10 1130	R.47	RESISTOR CF 330E J OW25
13 14181	Q..2	TRANSISTOR BC559B,BC309B	10 1127	R.50	RESISTOR CF 180E J OW25
13 14181	Q..3	TRANSISTOR BC559B,BC309B	10 1127	R.51	RESISTOR CF 180E J OW25
13 14181	Q..4	TRANSISTOR BC559B,BC309B	10 1127	R.52	RESISTOR CF 180E J OW25
13 14181	Q..5	TRANSISTOR BC559B,BC309B	10 1127	R.53	RESISTOR CF 180E J OW25
13 14181	Q..6	TRANSISTOR BC559B,BC309B	10 1123	R.60	RESISTOR CF 82E J OW25
13 14181	Q..7	TRANSISTOR BC559B,BC309B	10 1123	R.61	RESISTOR CF 82E J OW25
13 14181	Q..8	TRANSISTOR BC559B,BC309B	10 1123	R.62	RESISTOR CF 82E J OW25
13 14181	Q..9	TRANSISTOR BC559B,BC309B	10 1123	R.63	RESISTOR CF 82E J OW25
10 1136	R..1	RESISTOR CF 1K J OW25	10 1123	R.64	RESISTOR CF 82E J OW25
10 1136	R..2	RESISTOR CF 1K J OW25	10 1123	R.65	RESISTOR CF 82E J OW25
10 1136	R..3	RESISTOR CF 1K J OW25	10 1123	R.66	RESISTOR CF 82E J OW25
10 1136	R..4	RESISTOR CF 1K J OW25	13 1754	Z..1	DIODE ZENER 3V3 OW5 C
10 1136	R..5	RESISTOR CF 1K J OW25	31 3531	001.	CONNECTOR EURO MOBSE P64 KEY
10 1136	R..6	RESISTOR CF 1K J OW25	36 7699	0011	RIVET CHOBERT D2,38 L6,35
10 1130	R..7	RESISTOR CF 330E J OW25	32 4183	002.	SWITCH DIL 1A 9P TE
10 1130	R..8	RESISTOR CF 330E J OW25	31 3549	003.	CONNECTOR MT MOBSE P 7 2,5
10 1130	R..9	RESISTOR CF 330E J OW25	80 0289	004.	HEATSINK 43 RGB TTL
10 1128	R.11	RESISTOR CF 220E J OW25	36 20296	0041	SCREW DIN84 M 3 X25 MP-
10 1127	R.12	RESISTOR CF 180E J OW25	36 7502	0042	WASHER DIN6798 A 3,2
10 1127	R.13	RESISTOR CF 180E J OW25	36 61026	0043	NUT DIN934 M 3 HEXAGONAL
			80 1438	0044	SCREEN PLATE HR
			80 1439	0045	SPACER L17 D 6 D3,25
			80 1440	0046	SPACER L14,75 D 6 D3,25 AL
			32 4185	005.	SWITCH DIL 1A 7P TE



VIDEO AMPLIFIER + CONVERGENCE GENERATOR	
INPUT RGB-ANALOG	A27 A27
CONTROL SWITCH BOX	D5 7 9 8 3 2 1 6
D9 INPUT	



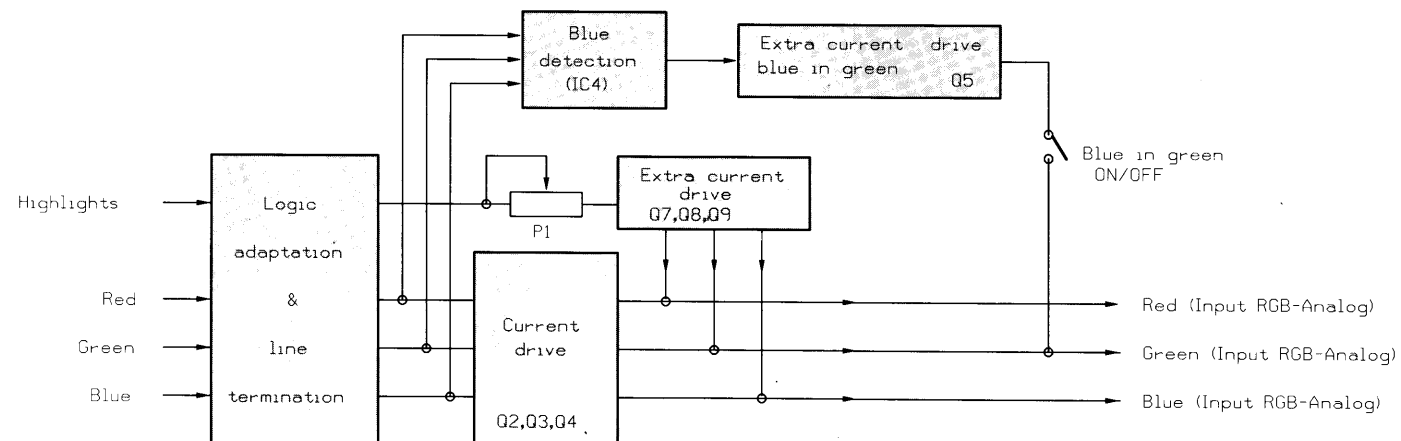
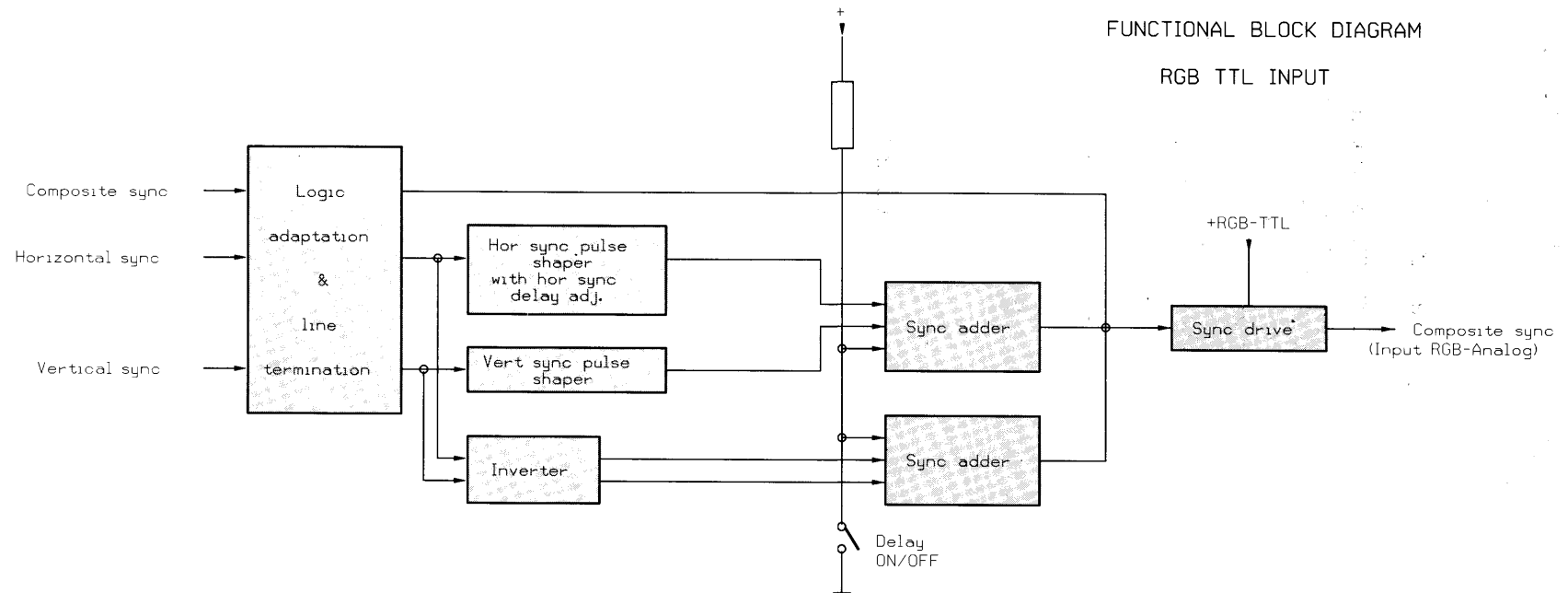
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C			6,7	8	12	13	10	9,11	5												
Q									6	D1				D2,D3,D4,D5	Z1	D6	2,3,4	7,8,9	5	D7,D8,D9	

Modifications reserved

Name	INPUT RGB-TTL	Article nr.	76 1471
Date	03/09/87	Drawn	PG
Checked	CD		
BARCO Electronic			

FUNCTIONAL BLOCK DIAGRAM

RGB TTL INPUT



Modifications reserved

Name	Input RGB-TTL	Article n°
Date	08/01/88	76.1471
Drawn	PG	Checked
BARCO ELECTRONIC NV	CD	CD
Noordlaan 5 8720 Korne - Belgium		