



List of parts for the electrical control

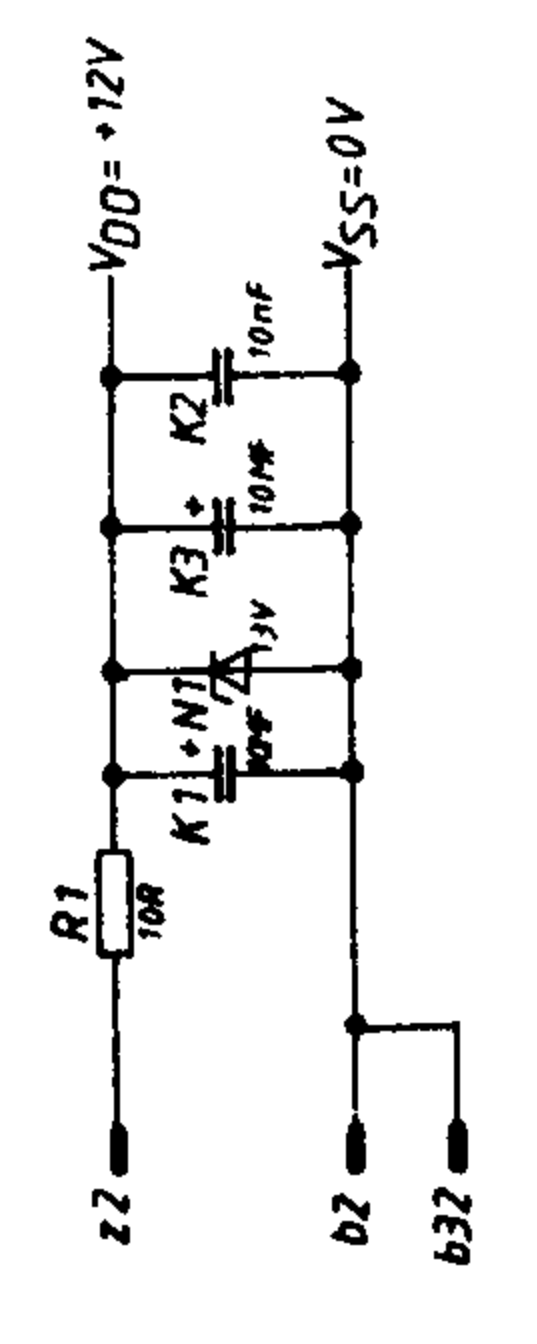
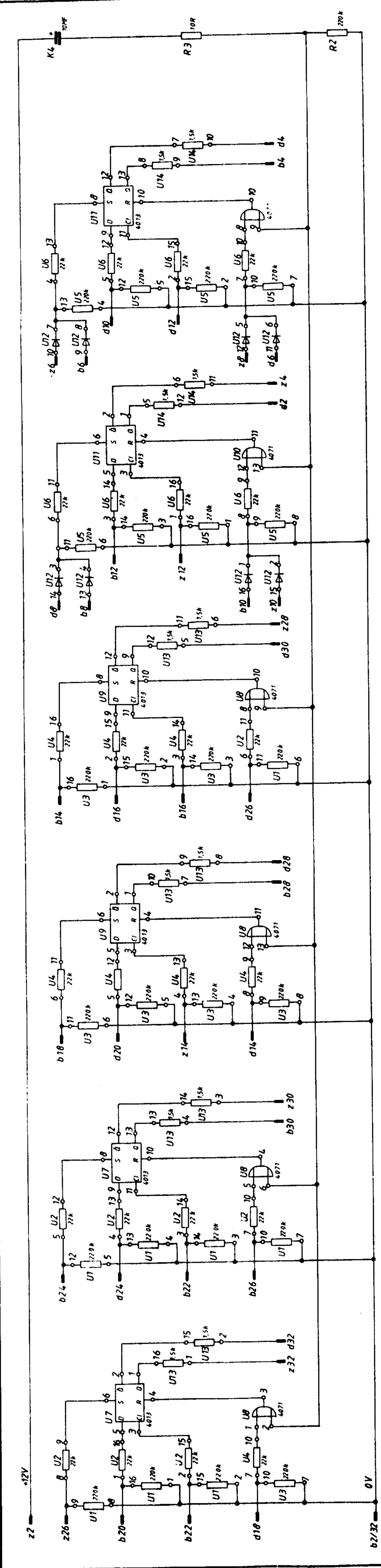
95-791 152-95

19	<i>Datum</i>	<i>Name</i>		<i>Typ</i> 3557-3/12...
<i>Gezeichnet</i>	08.01.	Prinz	<i>Ersatz für:</i>	PFAFF
<i>Gepr. / Genehm.</i>			<i>Ersetzt durch:</i>	
<i>Normgepr.</i>			<i>Ausf. lt. Änd. Nr.</i>	
<i>Benennung</i> Top-stitch collar				<i>Zeichnungs-Nr.</i> 95-791 153-95
				<i>Blattanzahl:</i> 16 <i>Blatt:</i> 1

Part	Nomenclature	Part number
*A0	Solid state circuit board NTR 21	95-781 333-91
*A1	Solid state circuit board LD 13	91-091 689-91
A2	Solid state circuit board DX 71a	91-092 181-91
*A3	Solid state circuit board ED 22	91-091 705-91
A4	Solid state circuit board ED 22	91-091 705-91
*A5	Solid state circuit board DV 18	91-091 691-91
*A6	Solid state circuit board DV 19a	91-091 693-91
A7	Solid state circuit board DV 19a	91-091 693-91
A8	Solid state circuit board DV 19a	91-091 693-91
A18	Solid state circuit board DV 19a	91-091 693-91
*A9	Solid state circuit board DV 19b	91-091 695-91
A10	Solid state circuit board DV 19b	91-091 695-91
A17	Solid state circuit board DV 19b	91-091 695-91
*A11	Solid state circuit board DT 21	91-091 703-91
A12	Solid state circuit board DT 21	91-091 703-91
*A13	Solid state circuit board DS 09	91-091 697-91
A14	Solid state circuit board DS 09	91-091 697-91
A15	Solid state circuit board DS 09	91-091 697-91
*A16	Solid state circuit board DS 10	91-091 699-91
*A23	Solid state circuit board DX 228	95-783 027-91
*A24	Solid state circuit board DX 243	91-094 365-91
A26	Solid state circuit board DX 243	91-094 365-91
*A27	Needle tread monitor (Barco with plug)	95-783 775-91
*A28	Bobbin thread monitor	91-186 490-90 71-7100-0057
*	Light bulb	71-2500-0294
*	Photo-electric cell	91-158 668-91
*B2	Amplifier	71-8500-0056
*B4	Proximity switch	71-6300-0169
B5	Proximity switch	71-6300-0169
B6	Proximity switch	71-6300-0169
B7	Proximity switch	71-6300-0169
*F1	Fuse	70-1524-0015
F2	Fuse	70-1524-0015
*H1-H9	Light bulb	71-2500-0267
M1	Stop motor	71-529 055-56
M2	Drive motor	71-5200-0507
*N0	Control box	71-5900-0556
*N2	Reflex sensor	71-8500-0054
*N5	Light-emitting diode	71-6300-0095
N6	Light-emitting diode	71-6300-0095
*P1	Pulse counter	71-7200-0064
*Q1	Motor overload switch 220 V	71-1100-0246
*S3	Limit switch	71-120 006-16
*S1	Illuminated push-button	71-1300-0374
S6	Illuminated push-button	71-1300-0374
S8	Illuminated push-button	71-1300-0374
*S2	Illuminated push-button switch	71-1300-0373
S13	Illuminated push-button switch	71-1300-0373
S4	Illuminated push-button switch	71-1300-0375
S9	Illuminated push-button switch	71-1300-0375
S10	Illuminated push-button switch	71-1300-0375
S11	Illuminated push-button switch	71-1300-0375
T1	Transformer (for power supply, input and output)	71-5500-0126
Y1-Y18	See pneum. parts list	
*	Expendable parts	
*	Control panel	71-7500-0052

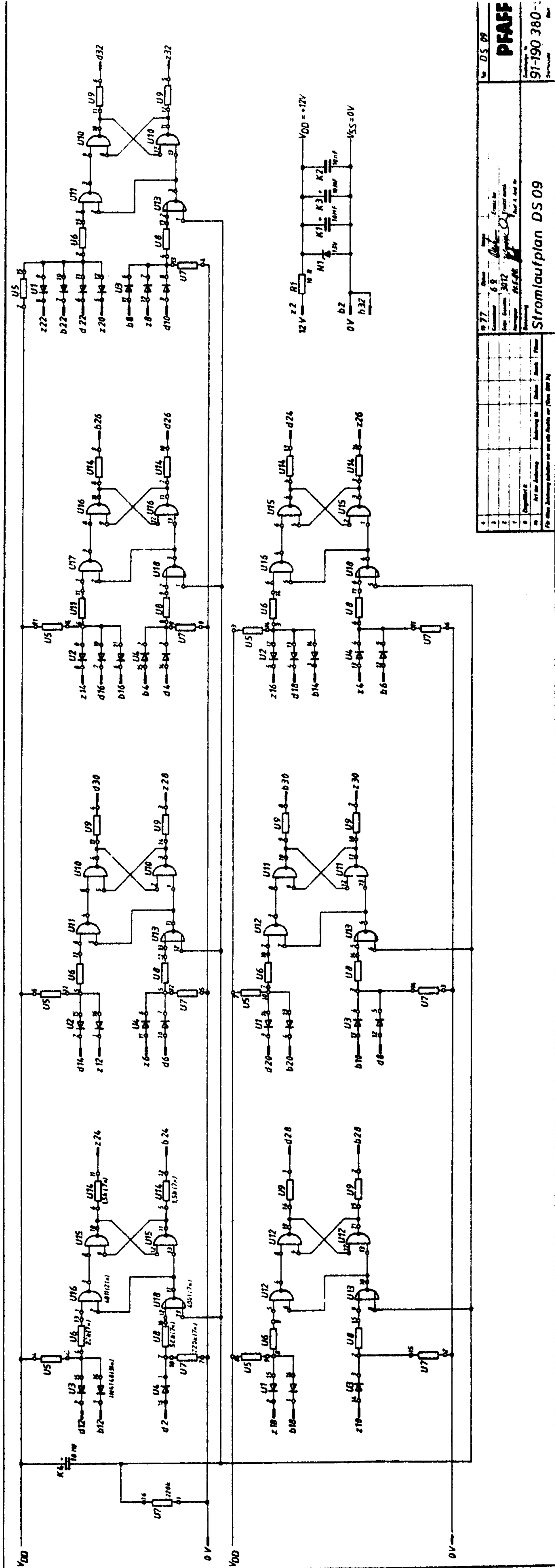
Part	Used for:
A0	Solid state circuit board, power pack
A1	Solid state circuit board, output module
A2	Interface for motor and bobbin thread monitor
A3	Solid state circuit board, input module
A4	Solid state circuit board, input module
A5	Solid state circuit board, inverter module
A6	Solid state AND circuit board
A7	Solid state AND circuit board
A8	Solid state AND circuit board
A18	Solid state AND circuit board
A9	Solid state OR circuit board
A10	Solid state OR circuit board
A17	Solid state OR circuit board
A11	Solid state circuit board, timers
A12	Solid state circuit board, timers
A13	Solid state circuit board Rs/flip-flop memory
A14	Solid state circuit board Rs/flip-flop memory
A15	Solid state circuit board Rs/flip-flop memory
A16	Solid state circuit board, D-memory unit
A23	Solid state circuit board, motor interface
A24	Solid state circuit board, interface for Efka motor
A26	Solid state circuit board, interface for Efka motor
A27	Needle thread monitor
A28	Bobbin thread monitor
B2	Turning head right, motor off
B4	Turning head left
B5	Turning head right
B6	-900 off
B7	Presserfoot down
F1	Fuse, "Control circuit"
F2	Fuse, "Control circuit"
H1	Control on
H2	Thread disturbance
H3	Cuff
H4	Re-sew
H5	One-piece collar
H6	Shoulder piece
H7	Pocket flap
H8	Seam depth adjustment
H9	Workpiece retainer down
H10	Guide stop always raised

Part	Used for:
M1	Sewing motor
M2	Turning head motor
N0	Control box, sewing motor
N2	Turning head right, motor off
N5	Cutting -900
N6	Presserfoot up
P1	Piece/day counter
Q1	Motor overload switch
S1	Control on
S2	Cuff
S3	Start button
S4	One-piece collar
S6	Reset
S8	Re-sew
S9	Shoulder piece
S10	Pocket flap
S11	Workpiece retainer down
S12	Seam deth adjustment
S13	Guide stop up
T1	Transformer "control"
Y1	Seam deth adjustment
Y2	Stop 1 at right
Y3	Retainer up
Y4	Turning head down
Y5	Stacker feed
Y6	Stacker start
Y7	Workpiece retainer down
Y8	Stop 3
Y9	Presserfoot up
Y10	Stop at middle
Y11	Stitch condensation (stitch length control)
Y12	Feed lowered
Y13	Top feed raised
Y14	Thread trimming Air blast
Y15	Guide stop down
Y16	Air blast last collar seam
Y17	One-piece collar
Y18	Air blast long seam



Delayed Flip Flop

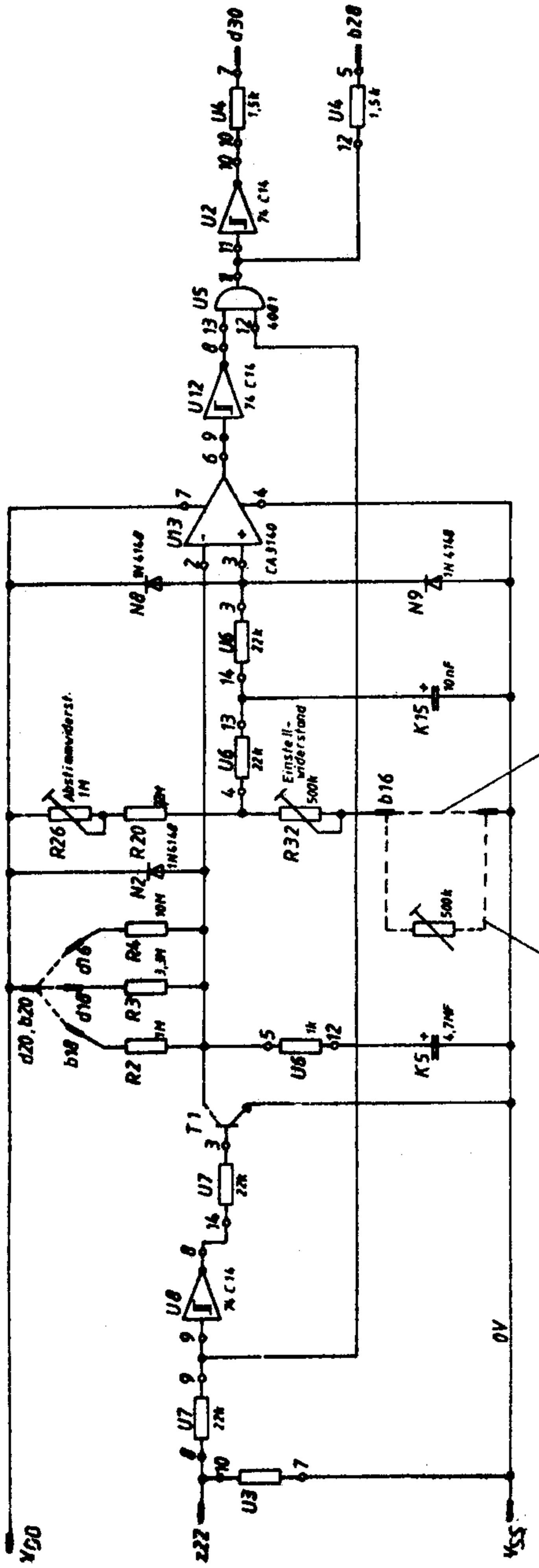
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<p>Strömtauplan DS 10</p>					



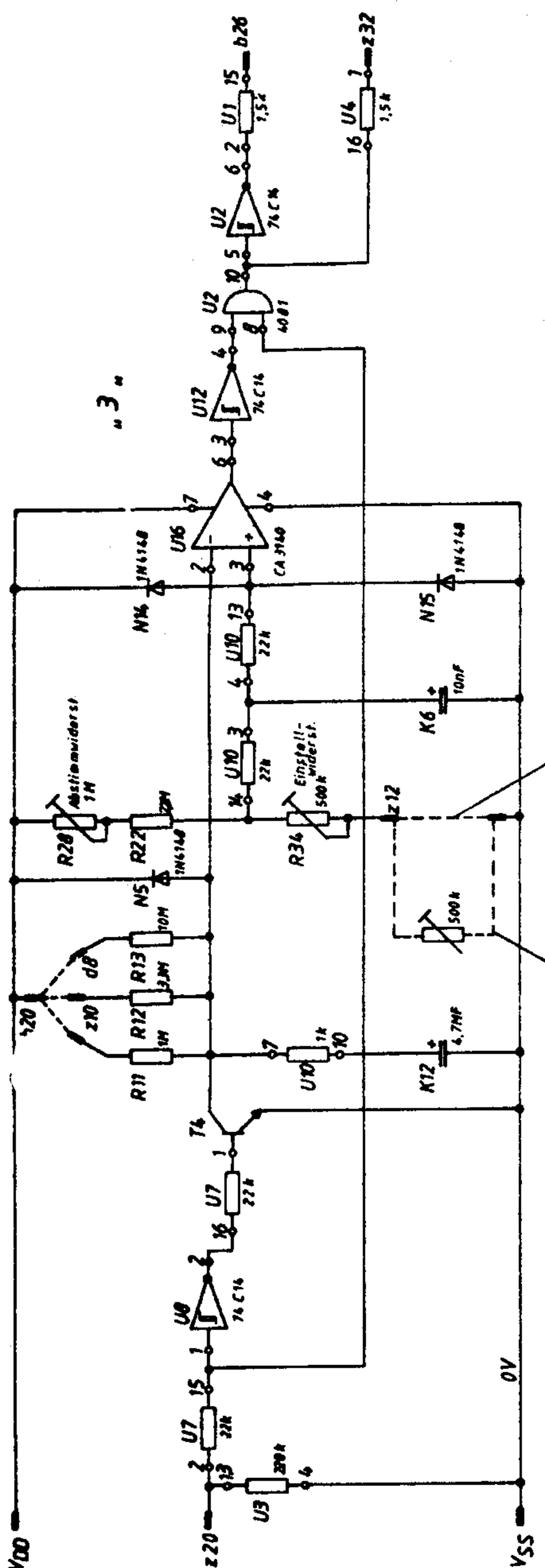
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Stromlaufplan DS 09

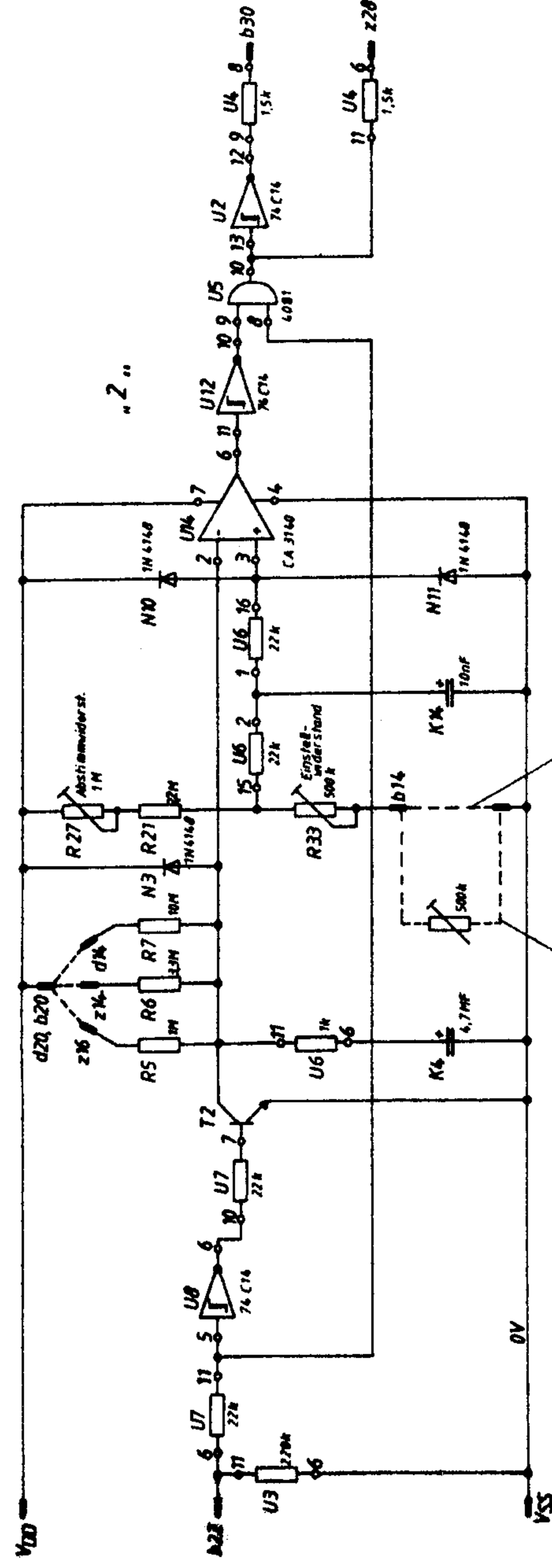
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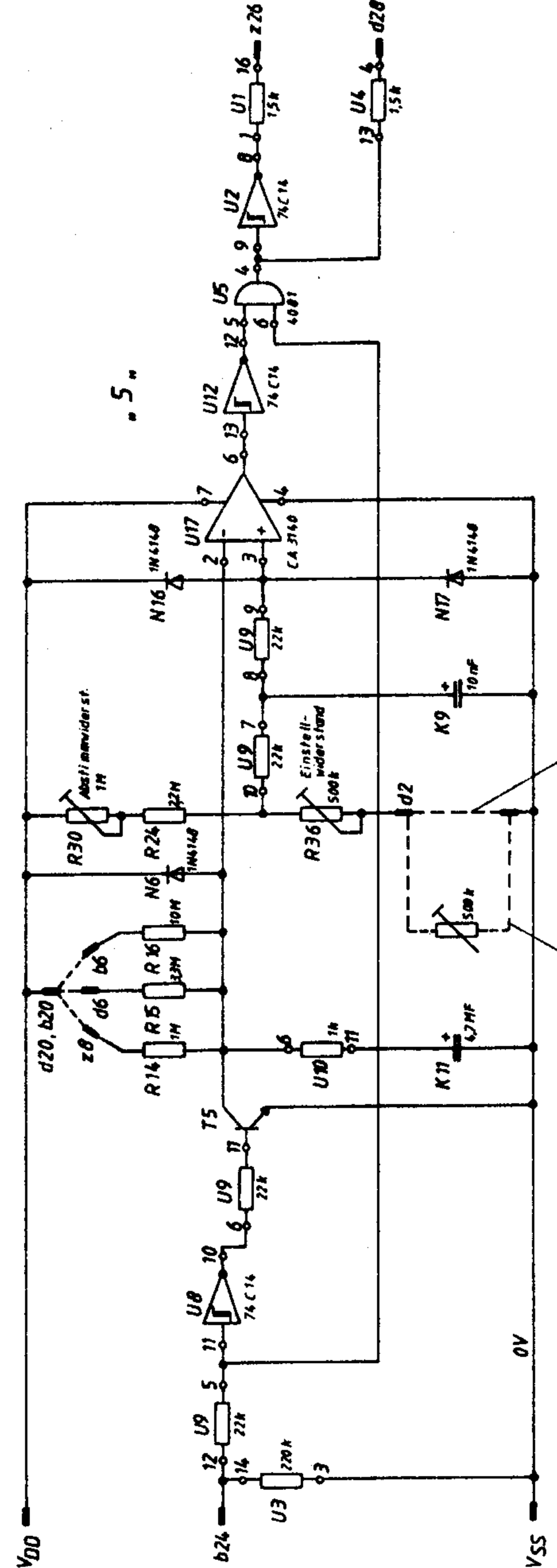
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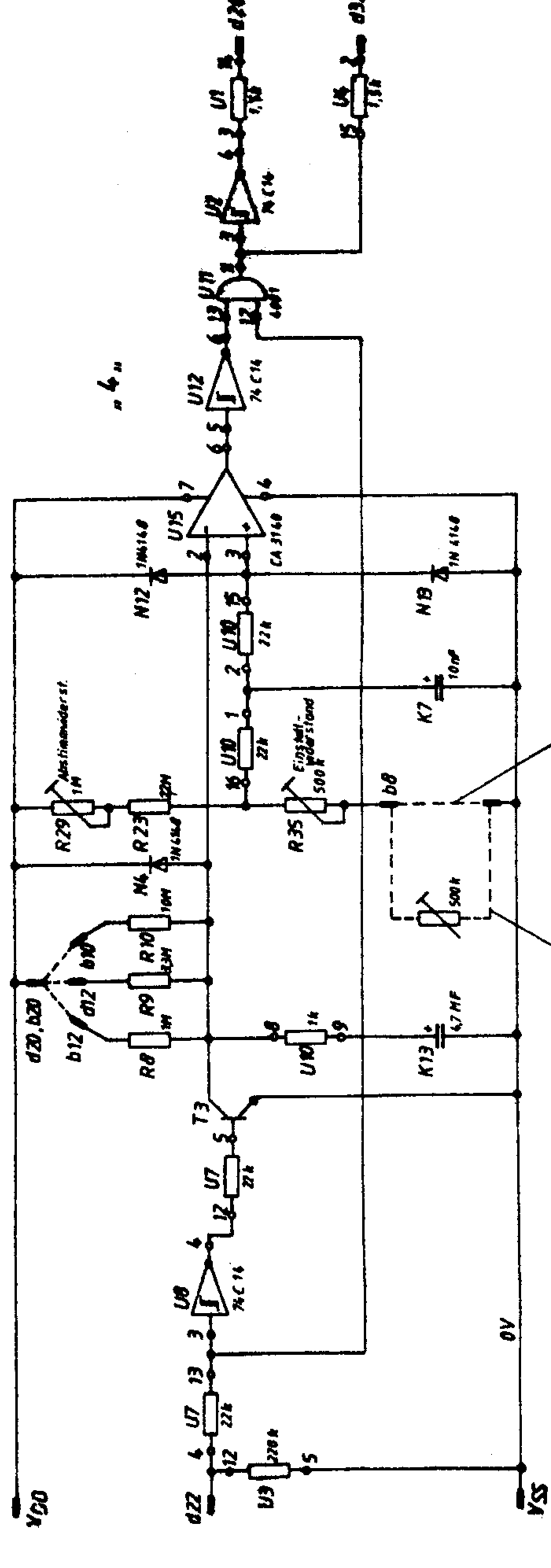
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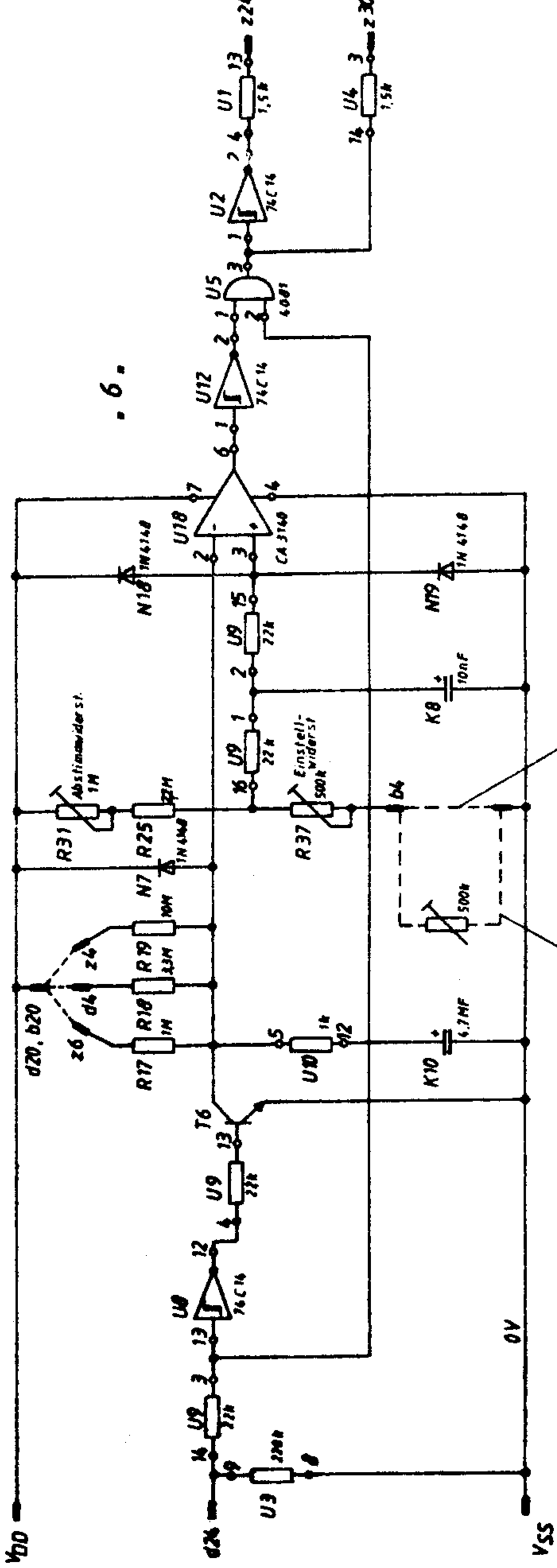
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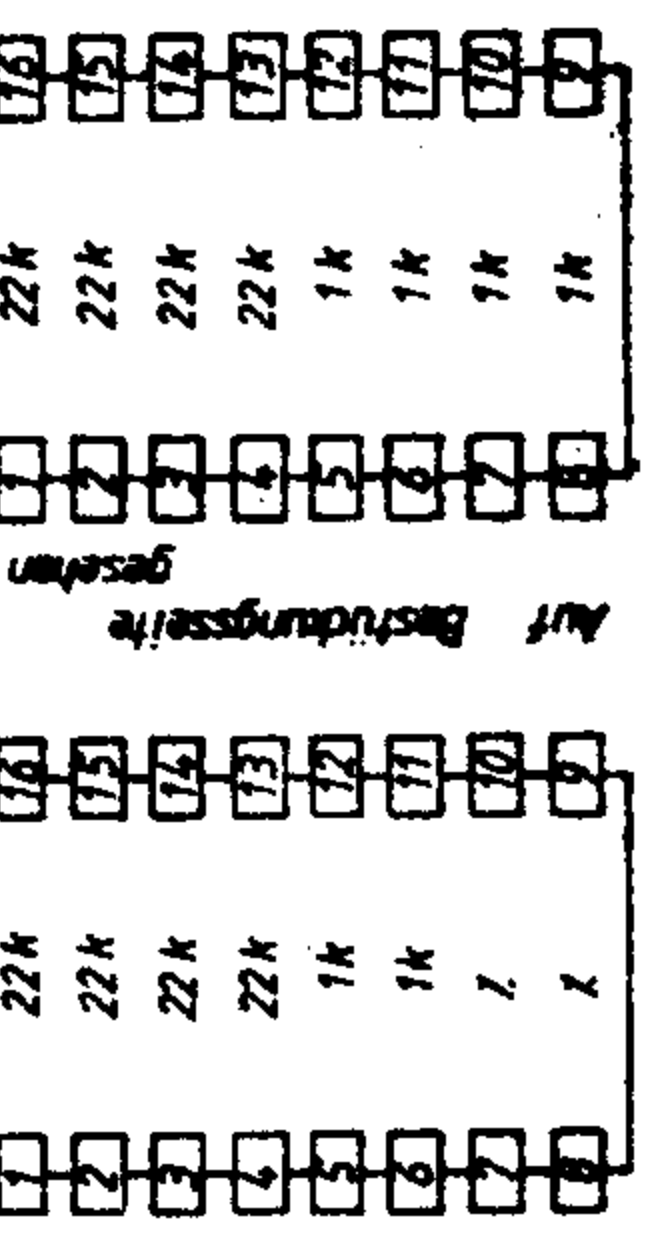
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Bei Einstellung Extern Bei Einstellung Intern überbrücken



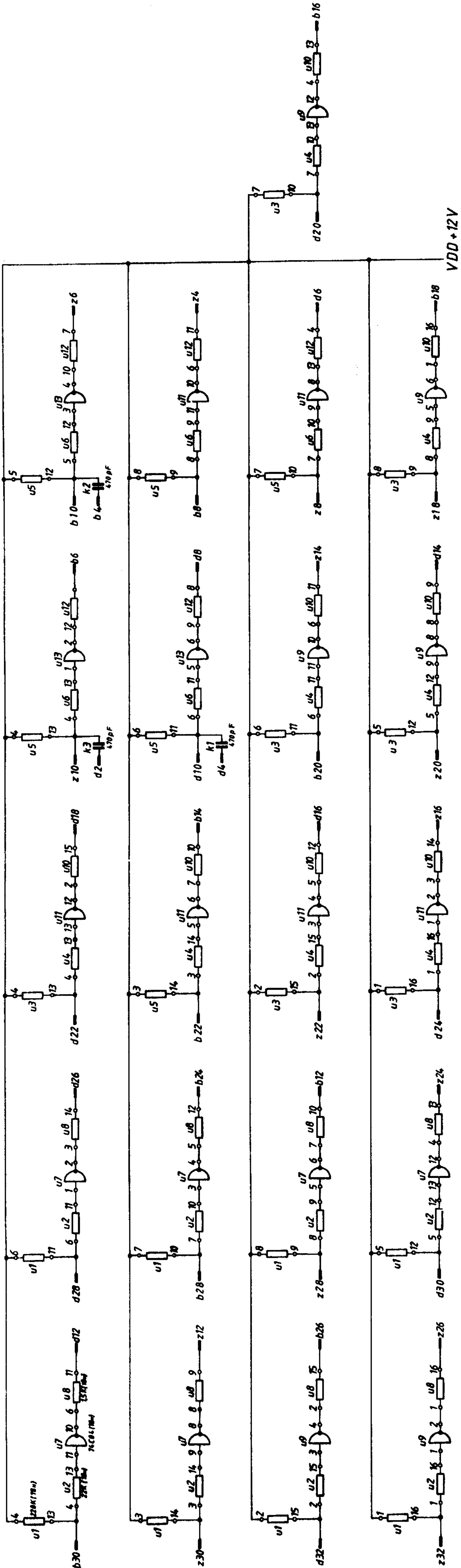
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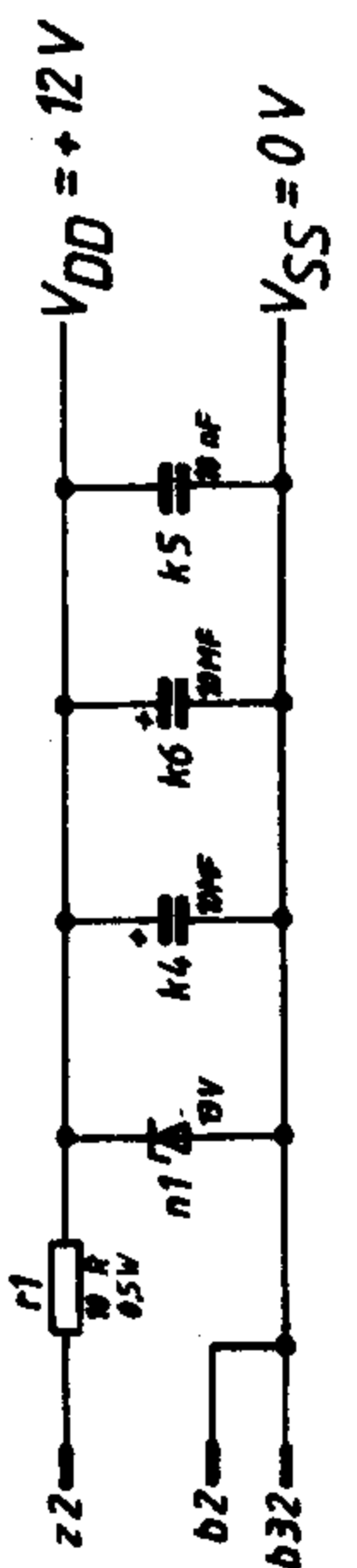
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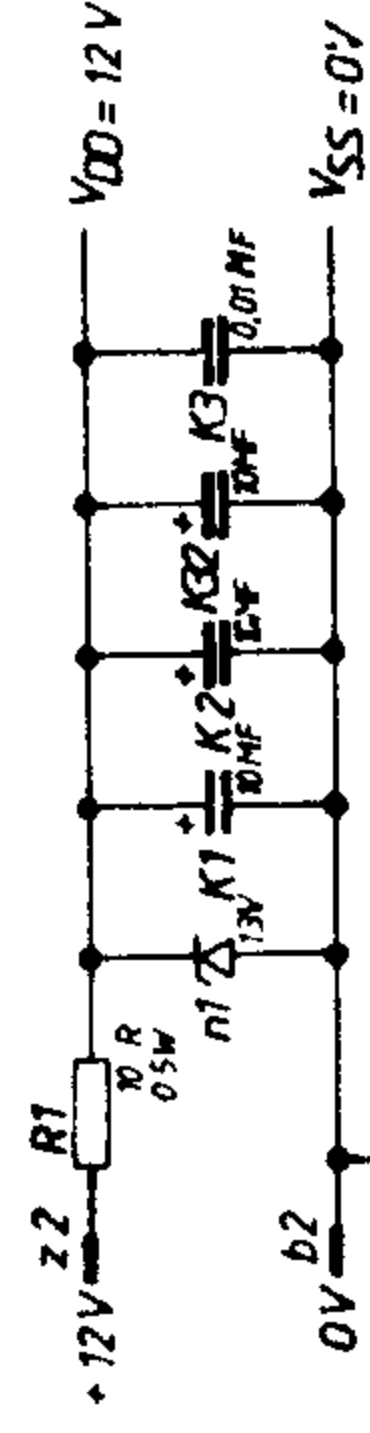
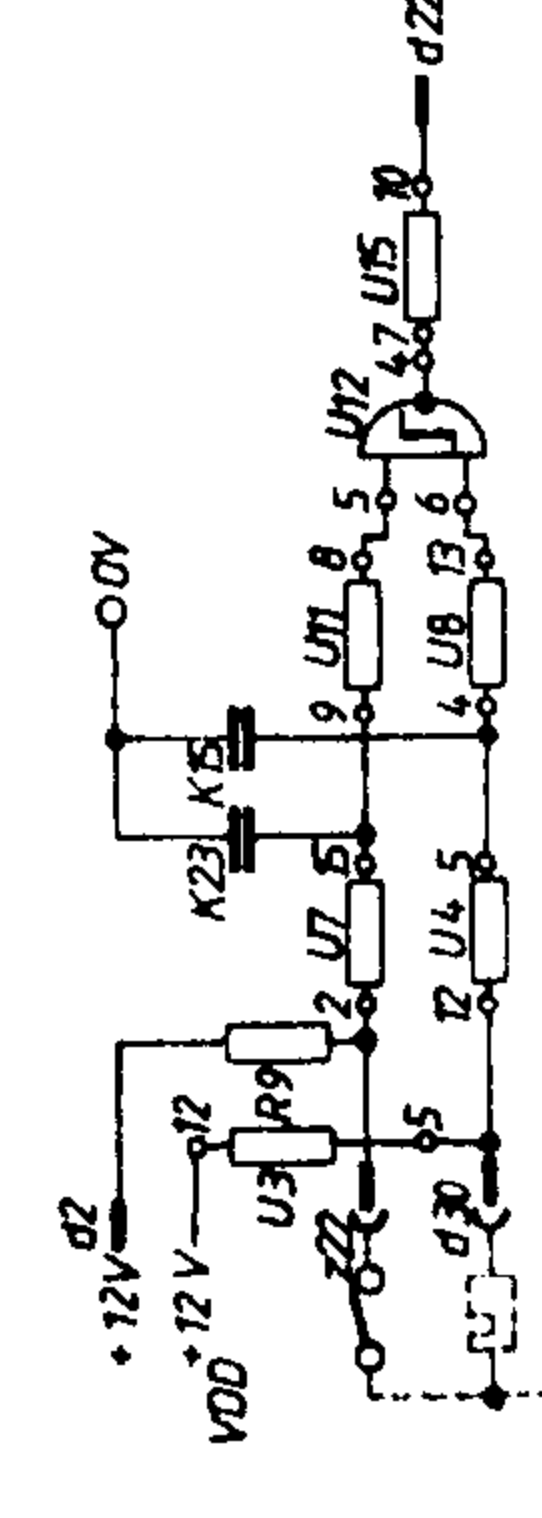
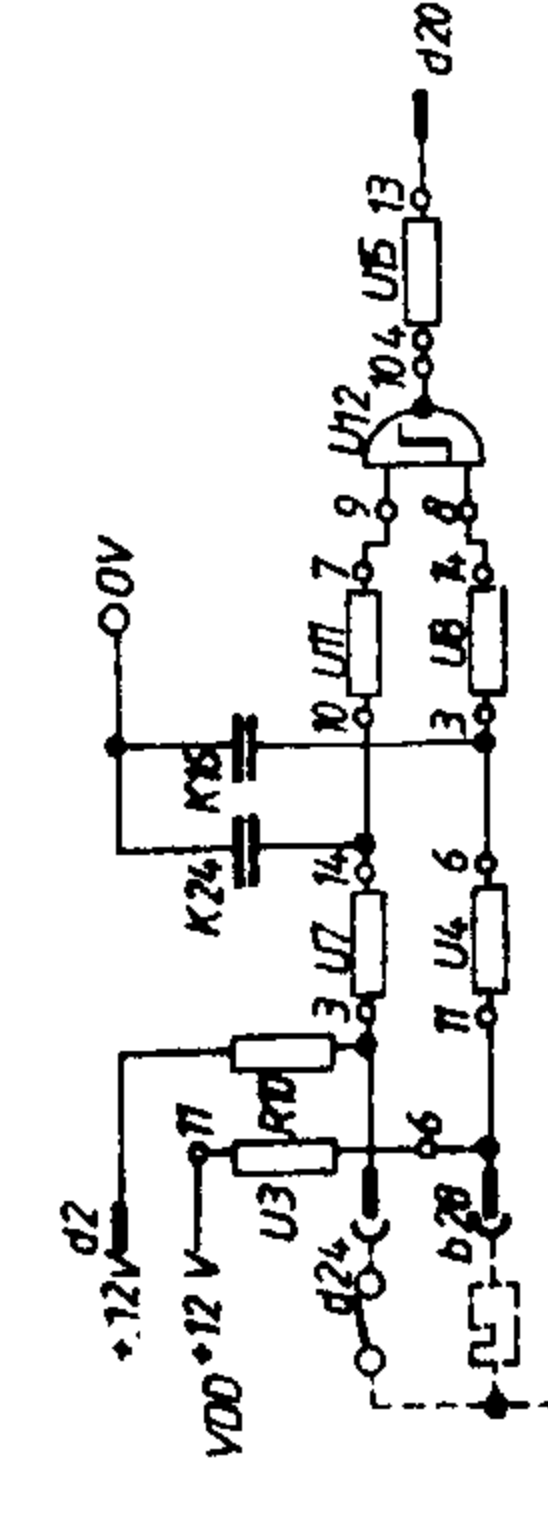
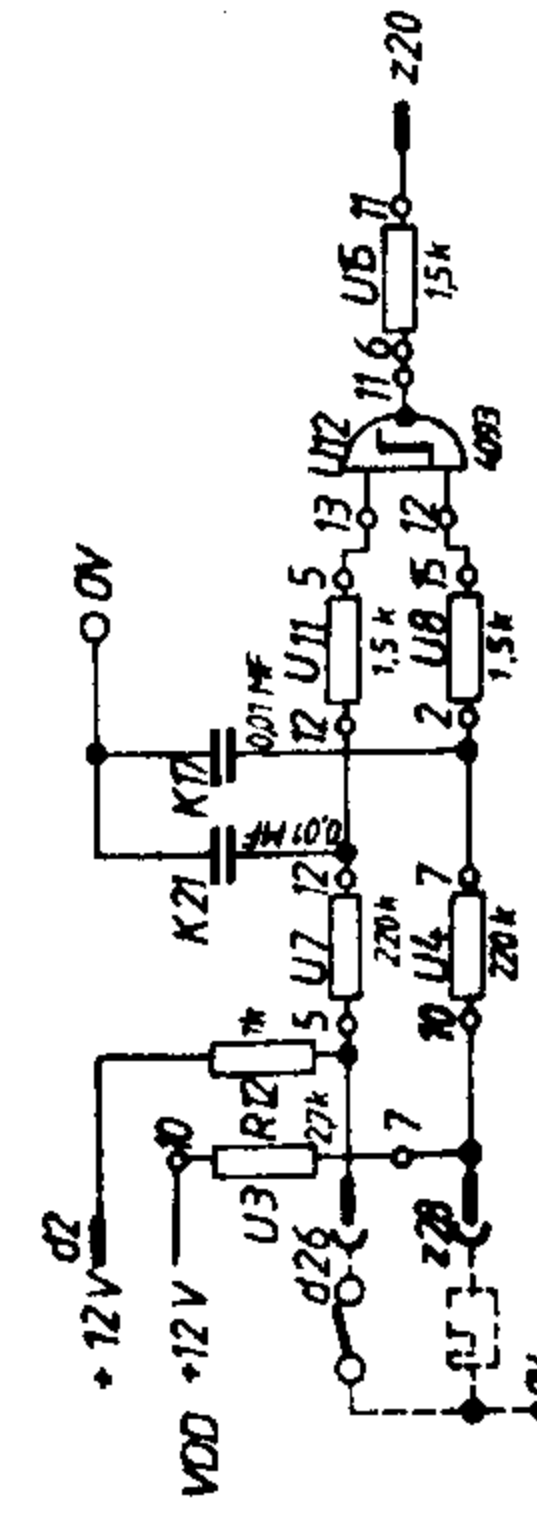
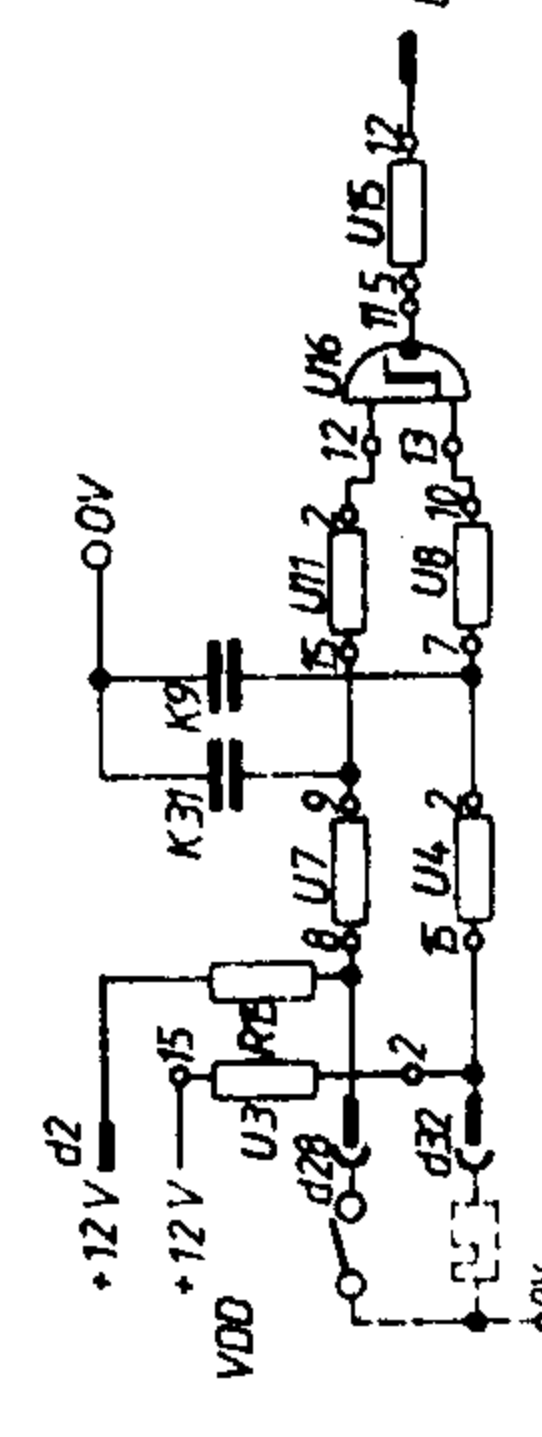
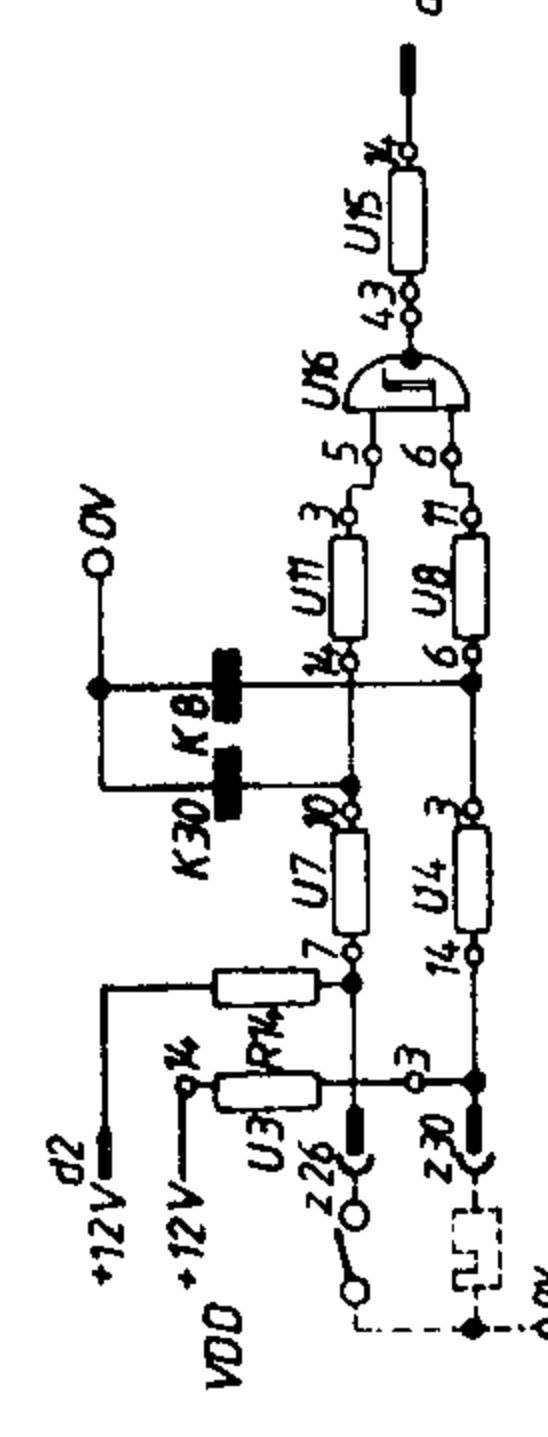
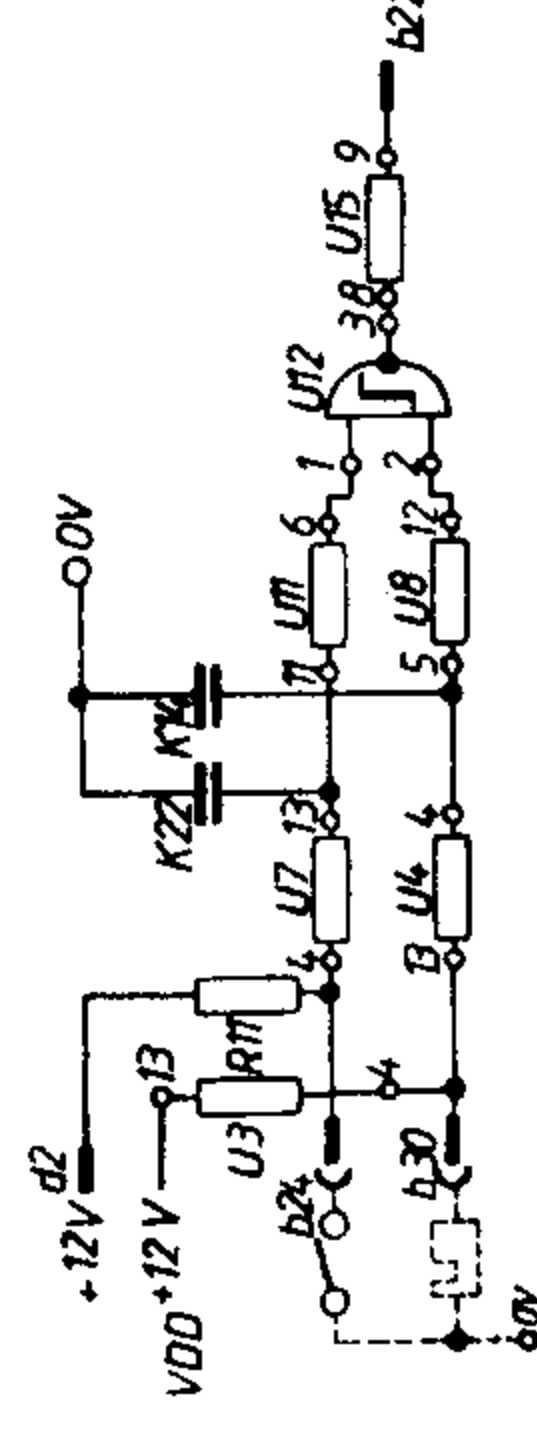
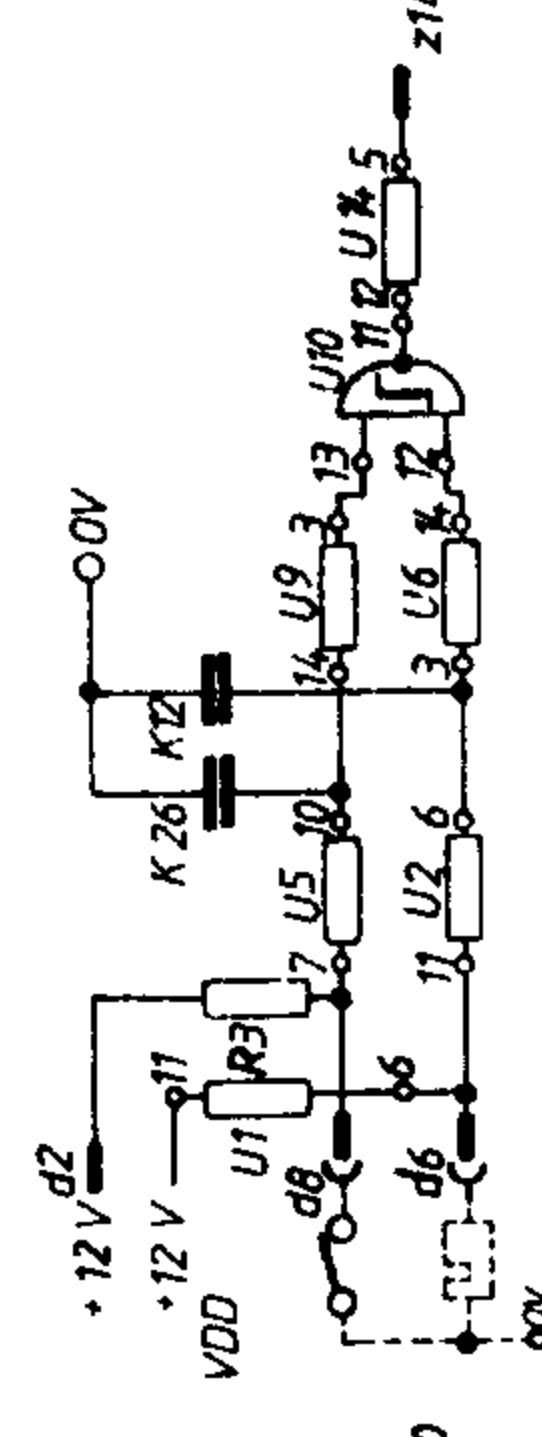
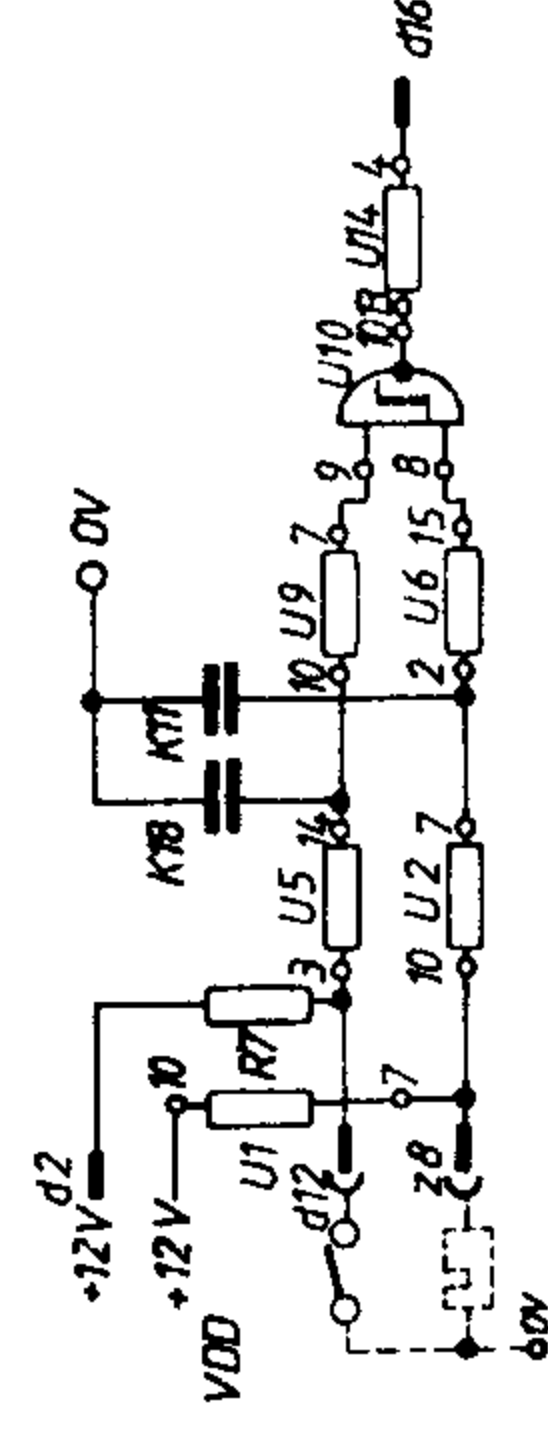
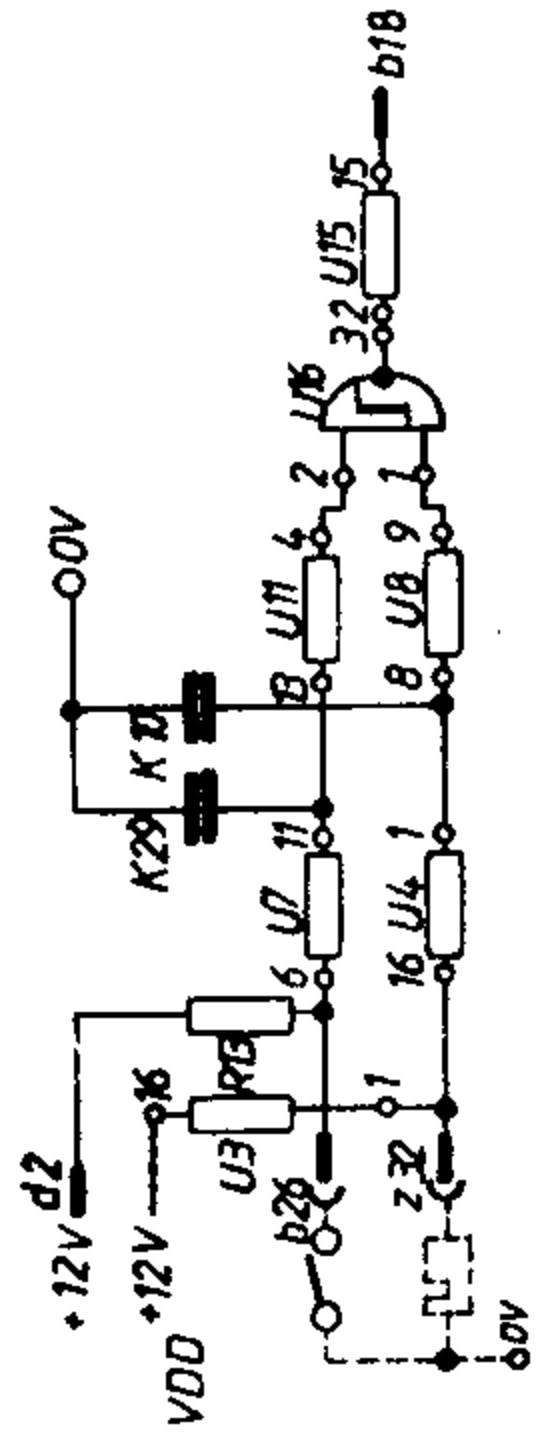
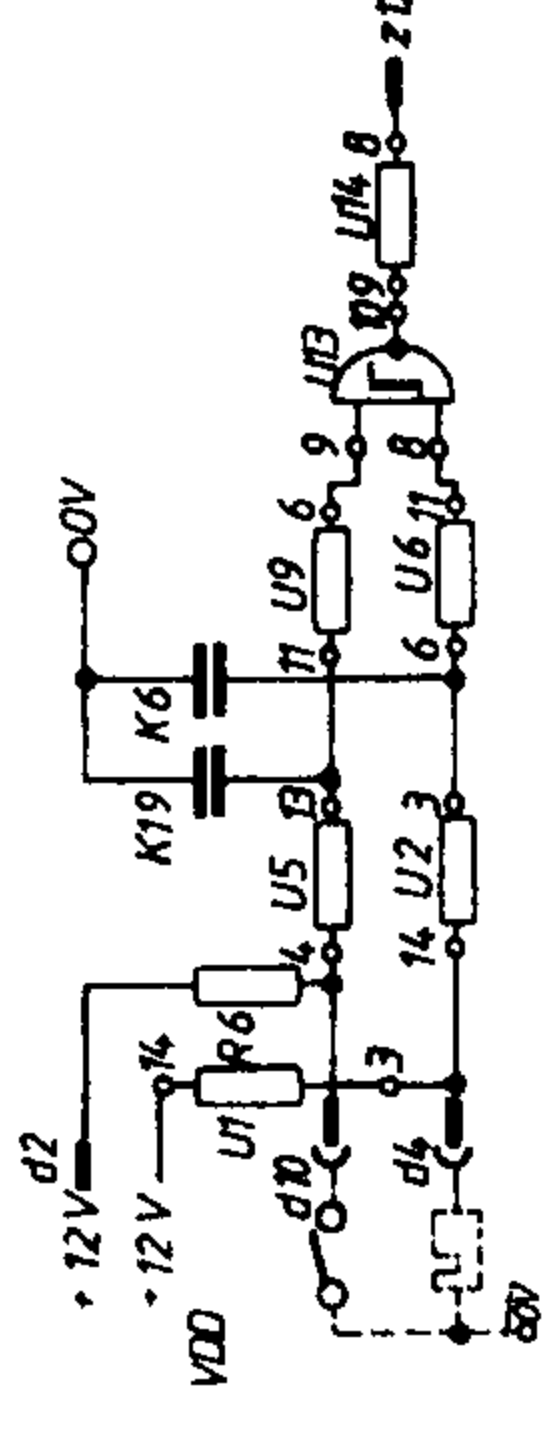
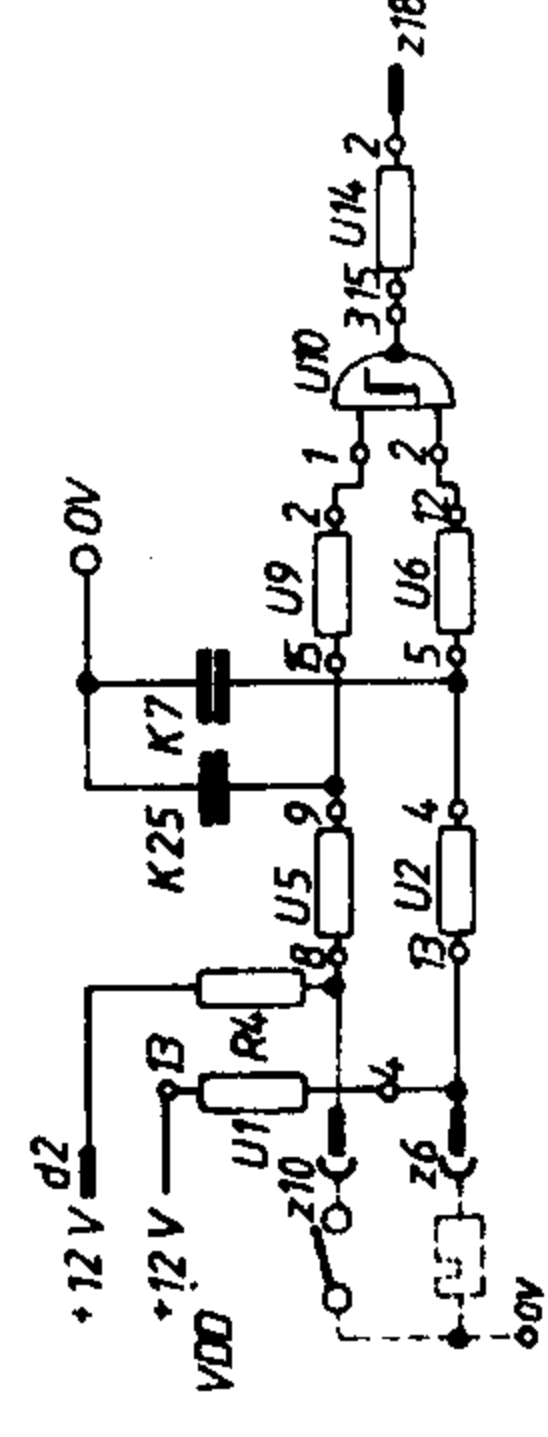
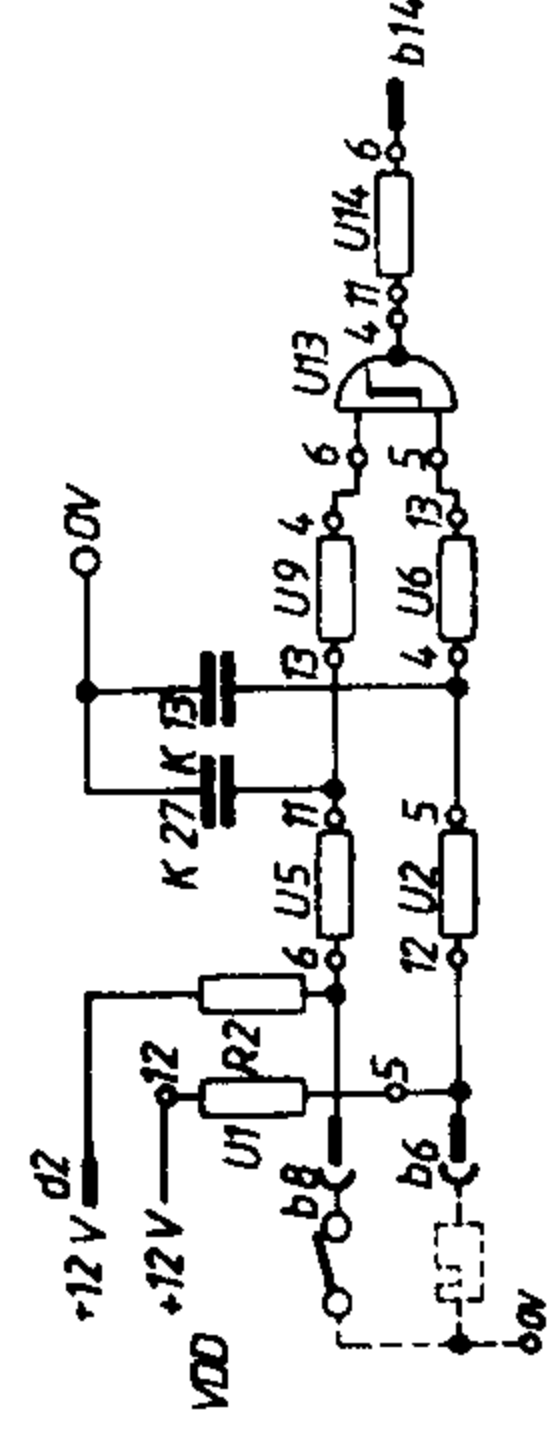
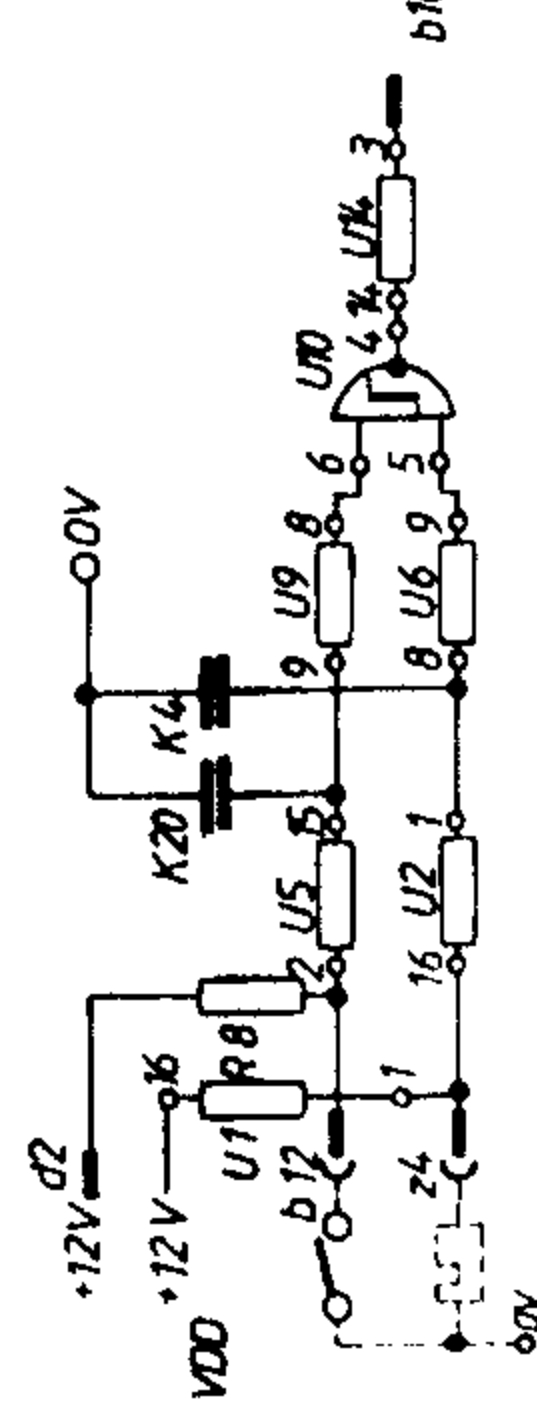
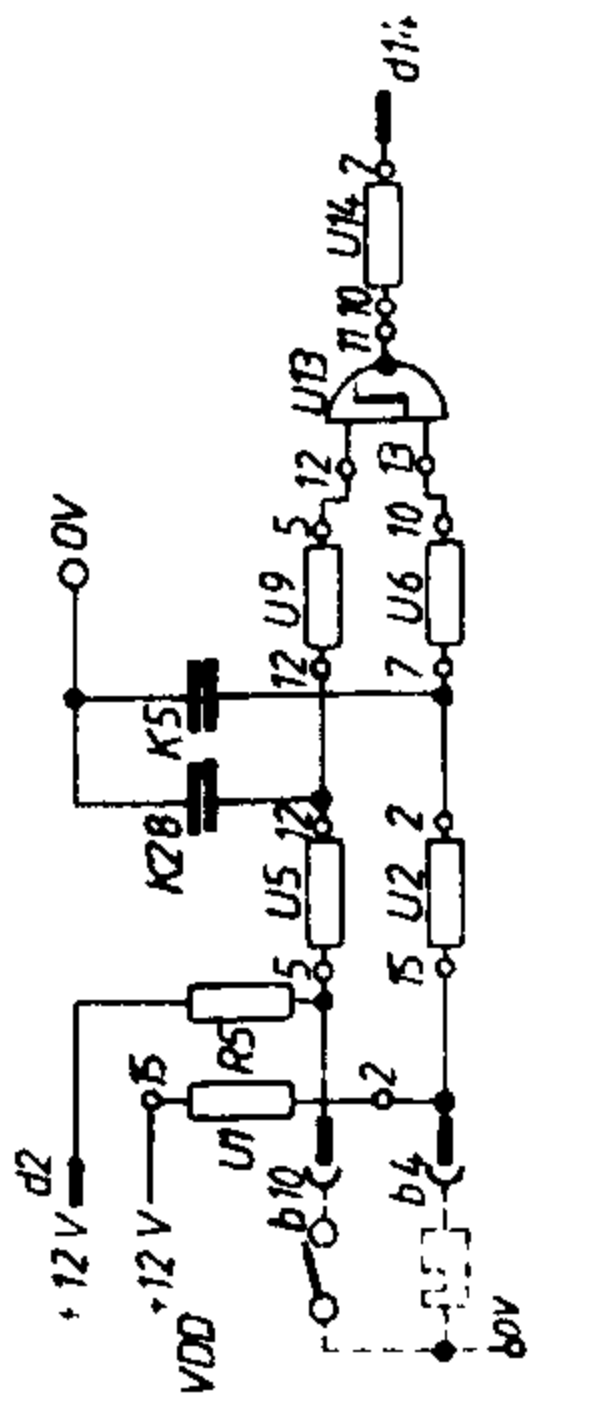
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Stromlaufplan DT 21
91-190 303 - X5



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Stromlaufplan DV18	
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Stromlaufplan ED 22

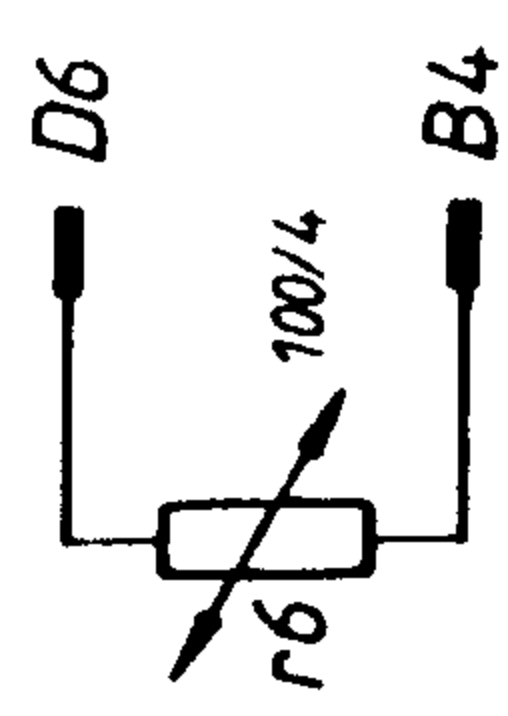
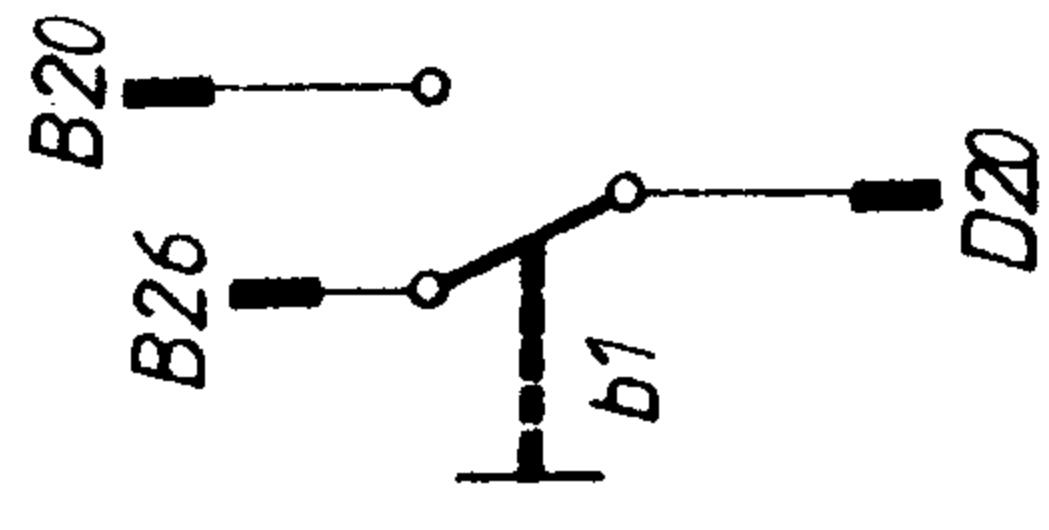
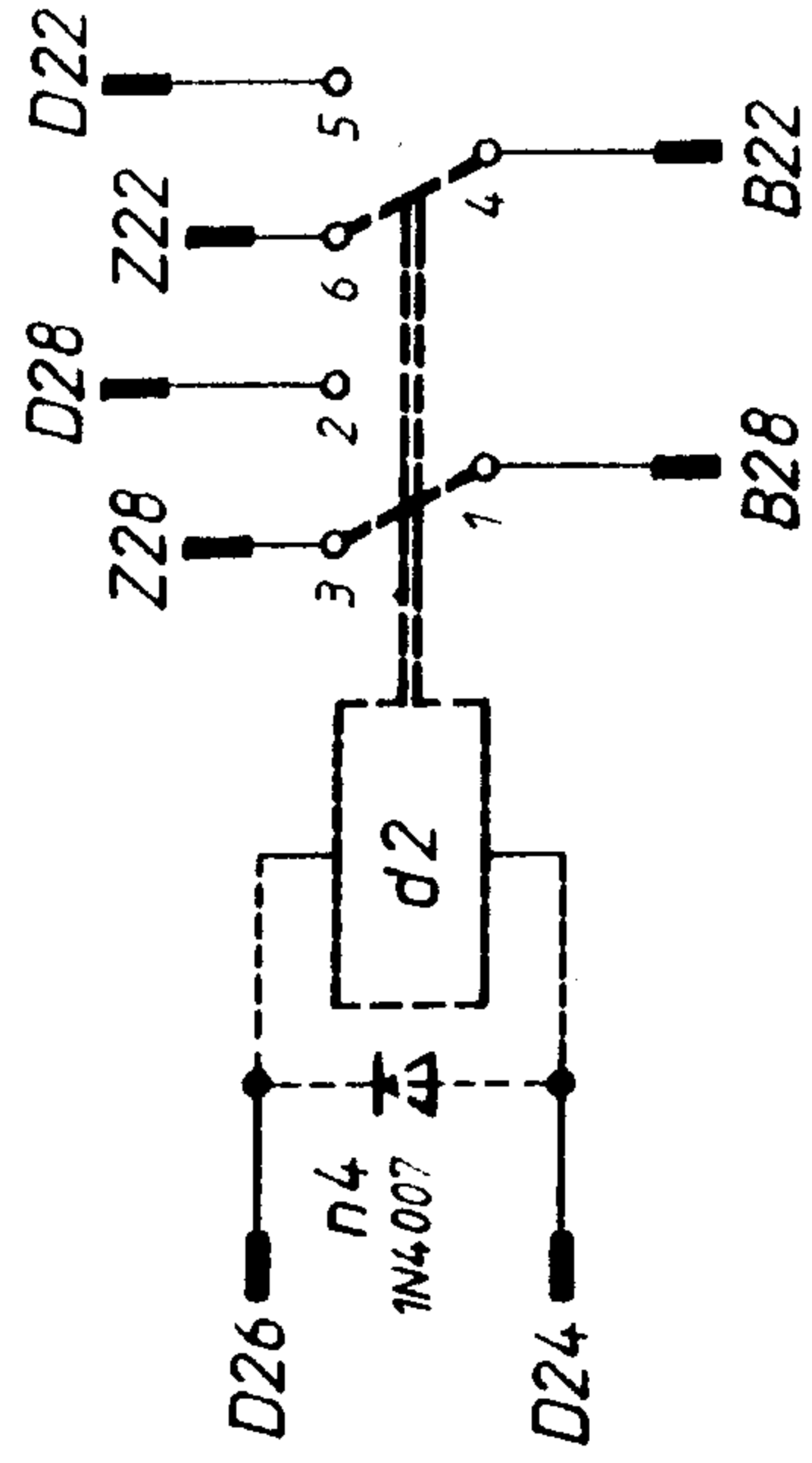
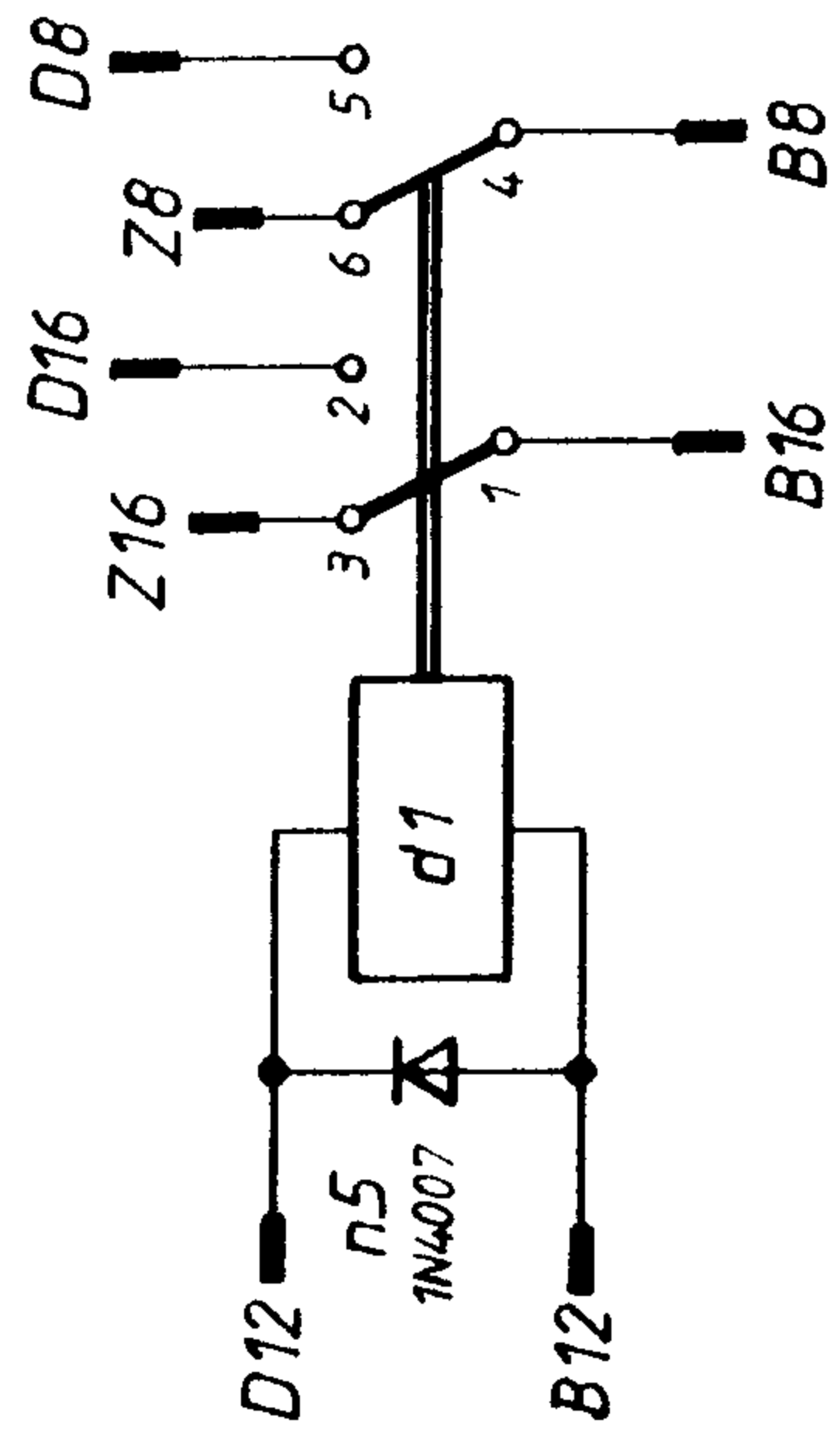
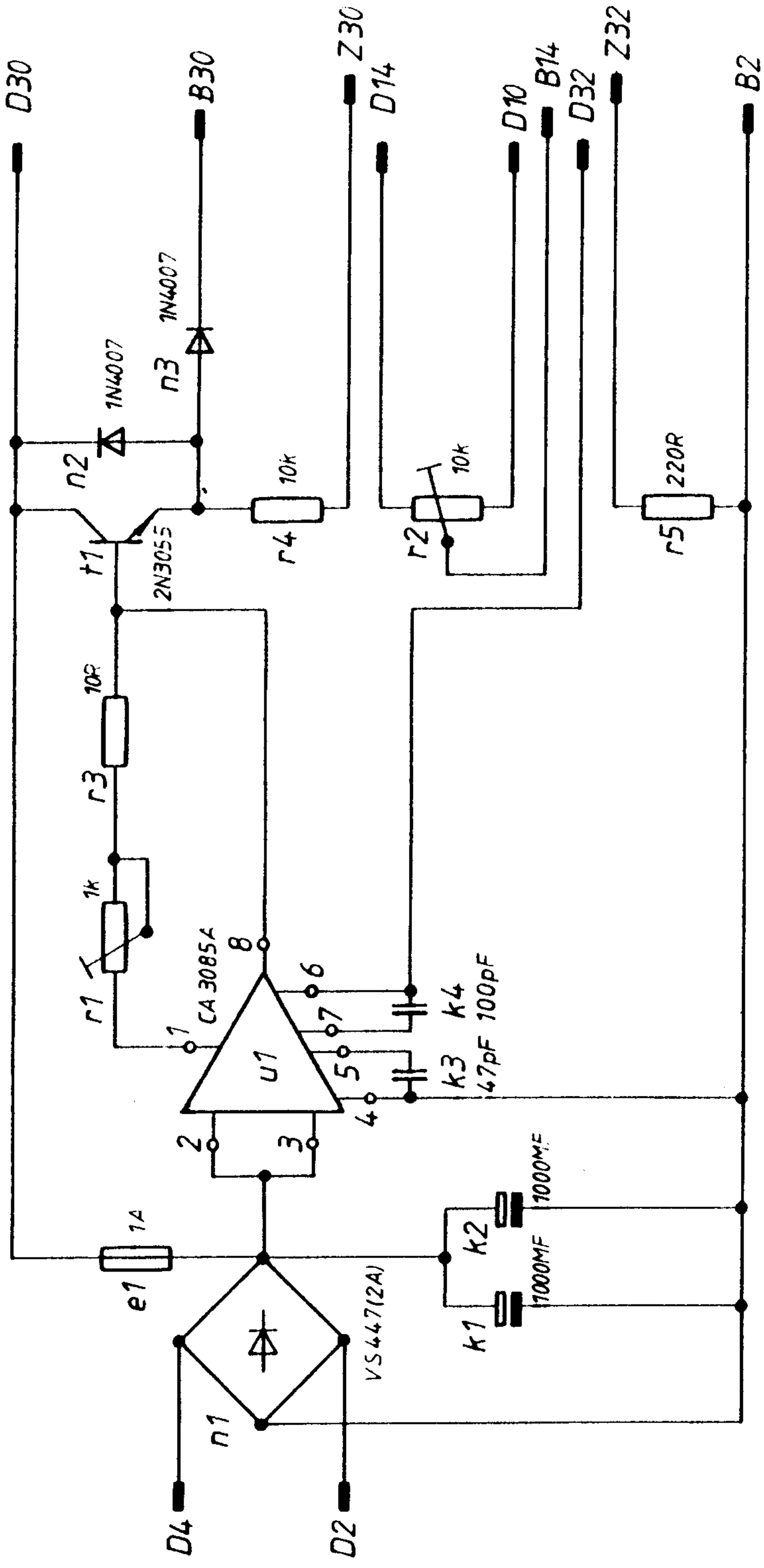
Typ ED 22

PFAFF

Zusammenfassung 971-190 384-95

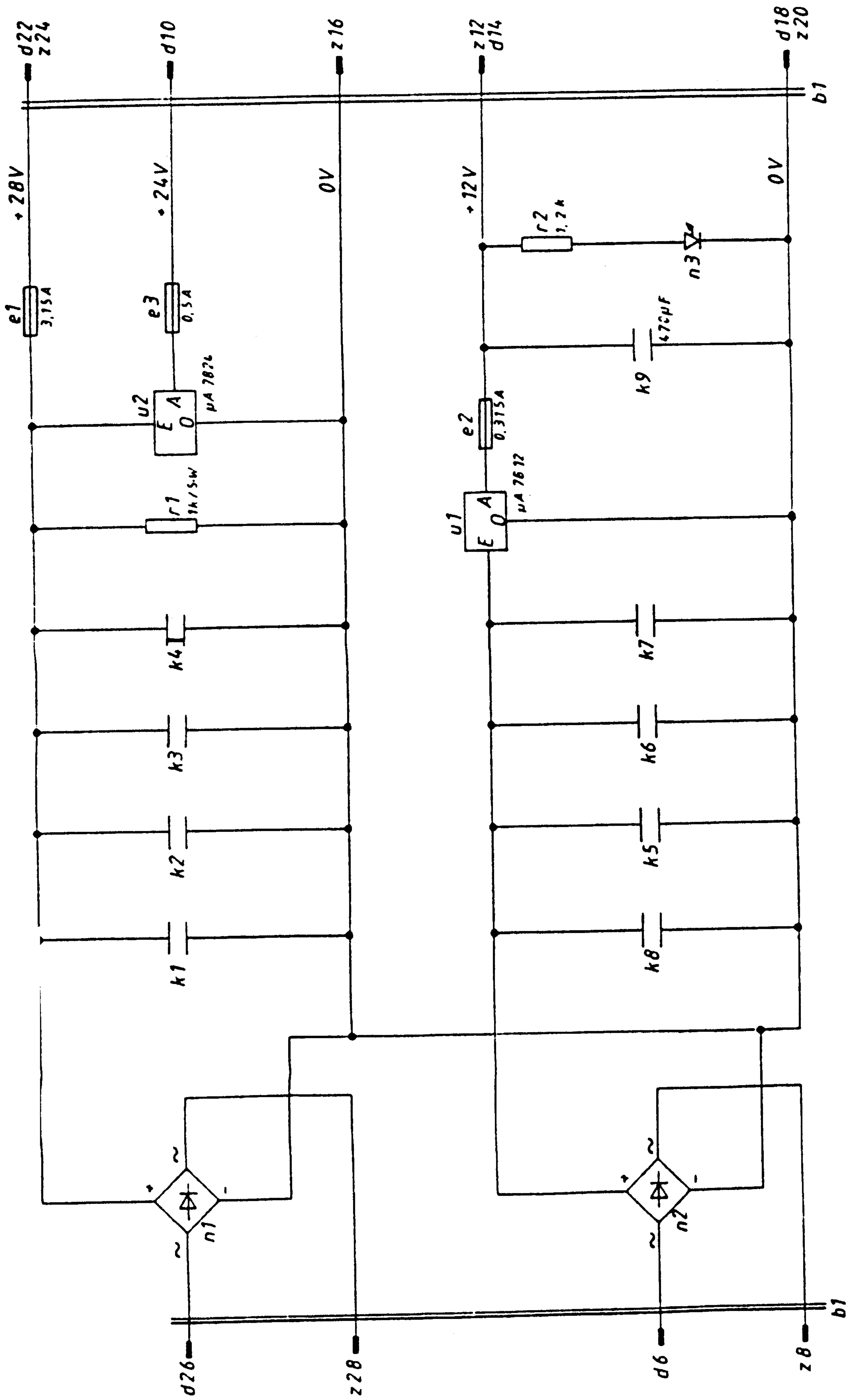
Bestellnummer

Datum



Nr.	Art der Änderung	Änderung Nr.	Datum	Bearb.	Führer
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2			Gepr./Genehm: 21. 12		Ersetzt für
1			Normgepr: 19. 5. 84		Ersetzt durch
0	Empfohlen II.				Ausf. II. And. Nr.
Benennung					
STP DX 73					
Typ DX 73					
PFARR					
Zeichnungs-Nr.					
95-790 353-95					
Blattzahl:					
1 Blatt					

Für diese Zeichnung behalten wir uns alle Rechte vor (Gem. DMI 34)



n1-n2 = VH 767 6A

k1 - k7 = 1000 µF

Nr.	Ergeßniß	Art der Änderung	Änderung Nr.	Datum	Durch	Für
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3						
2						
1						

19 82
Gezeichnet
Gepr. / Gezeichnet
Normgeber
Bemerkung

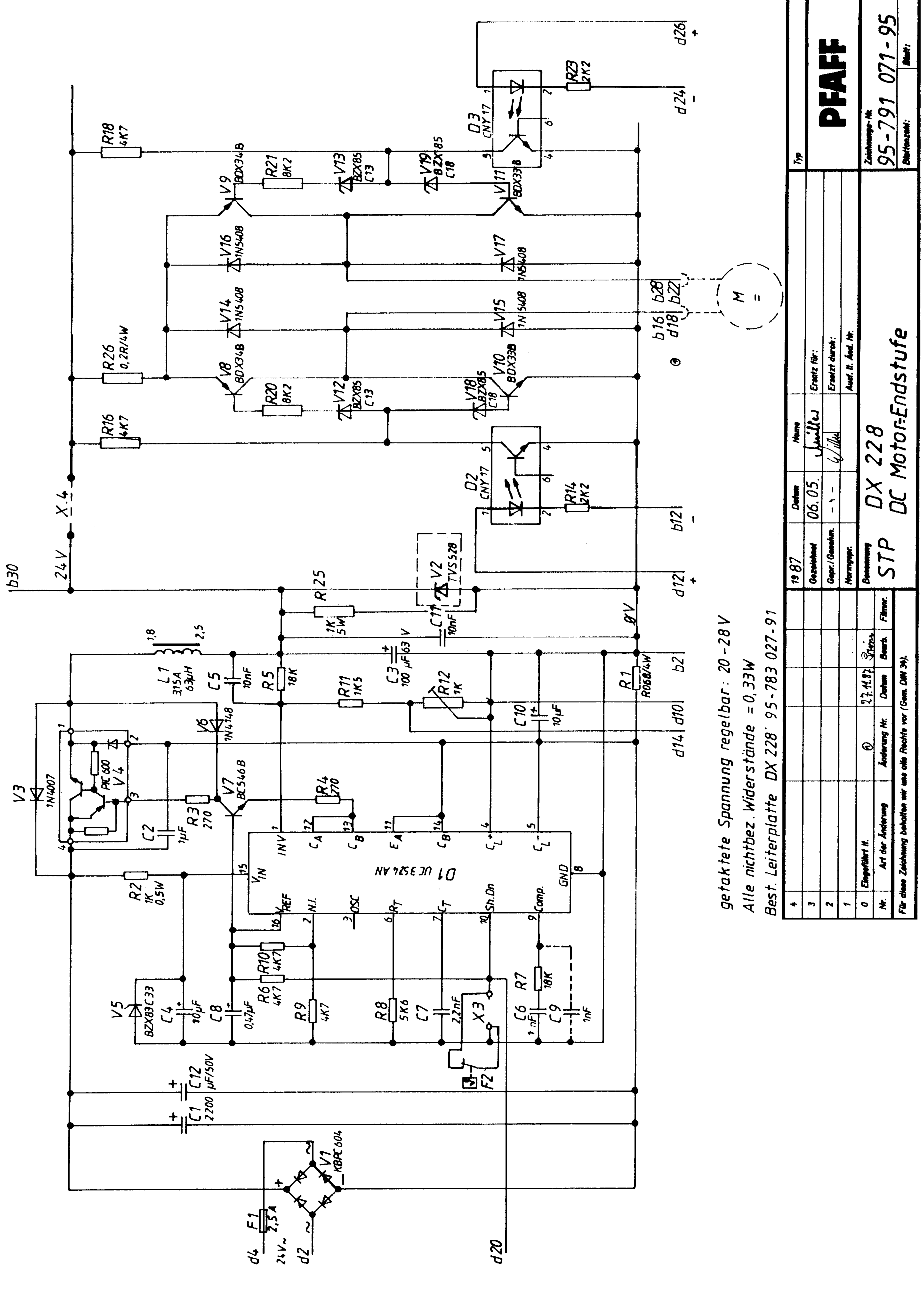
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11.5.84
1. Aufl. II. Aufl. Nr.

Typ NTR 21

PFAFF

Zeichnungs-Nr.
95-790760-95

STP NTR 21



getaktete Spannung regelbar: 20 - 28 V

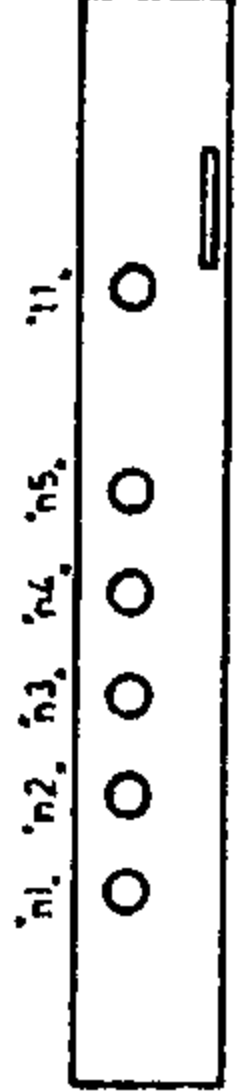
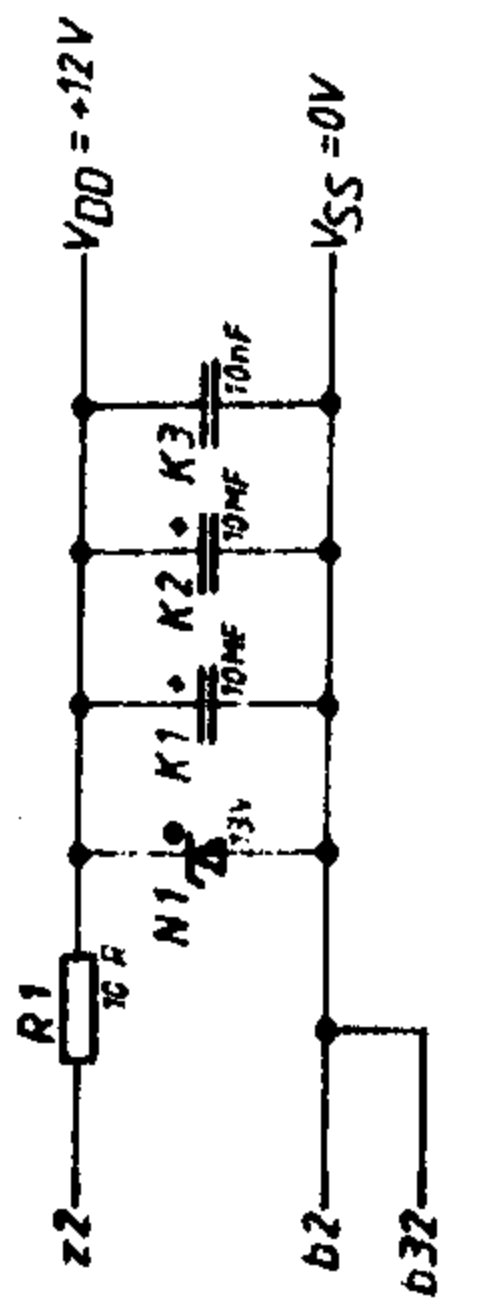
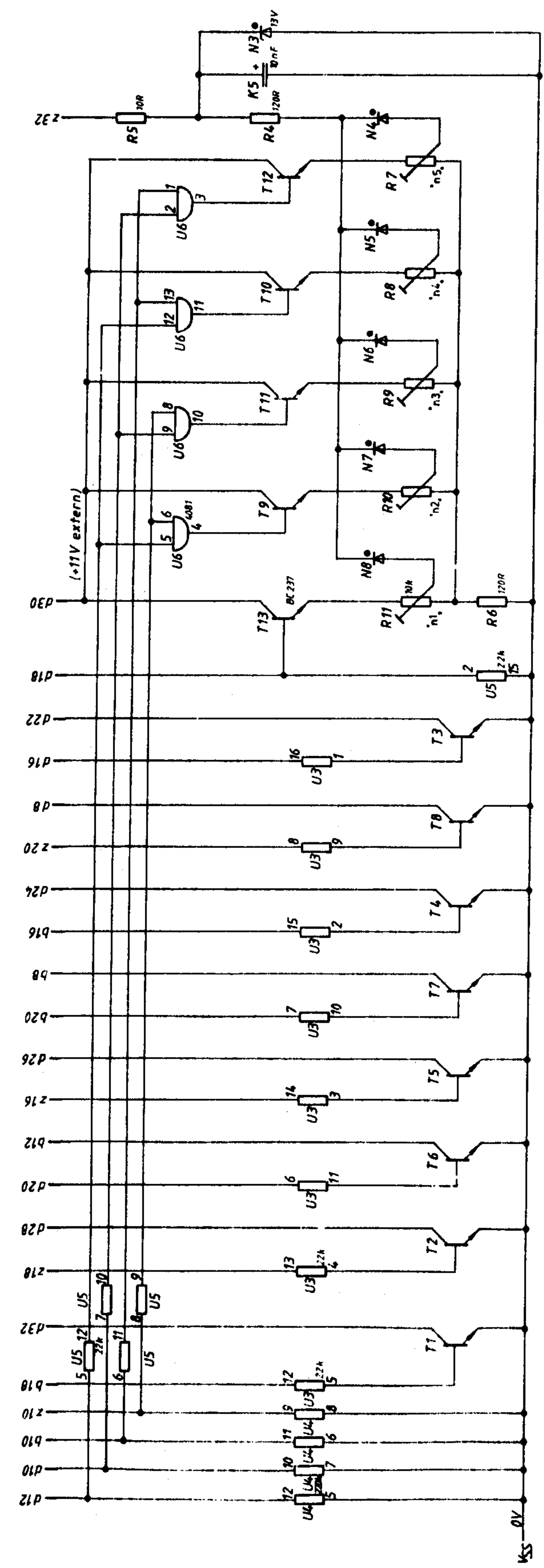
Alle nichtbez. Widerstände = 0,33W

Best. Leiterplatte DX 228 95-783 027-91

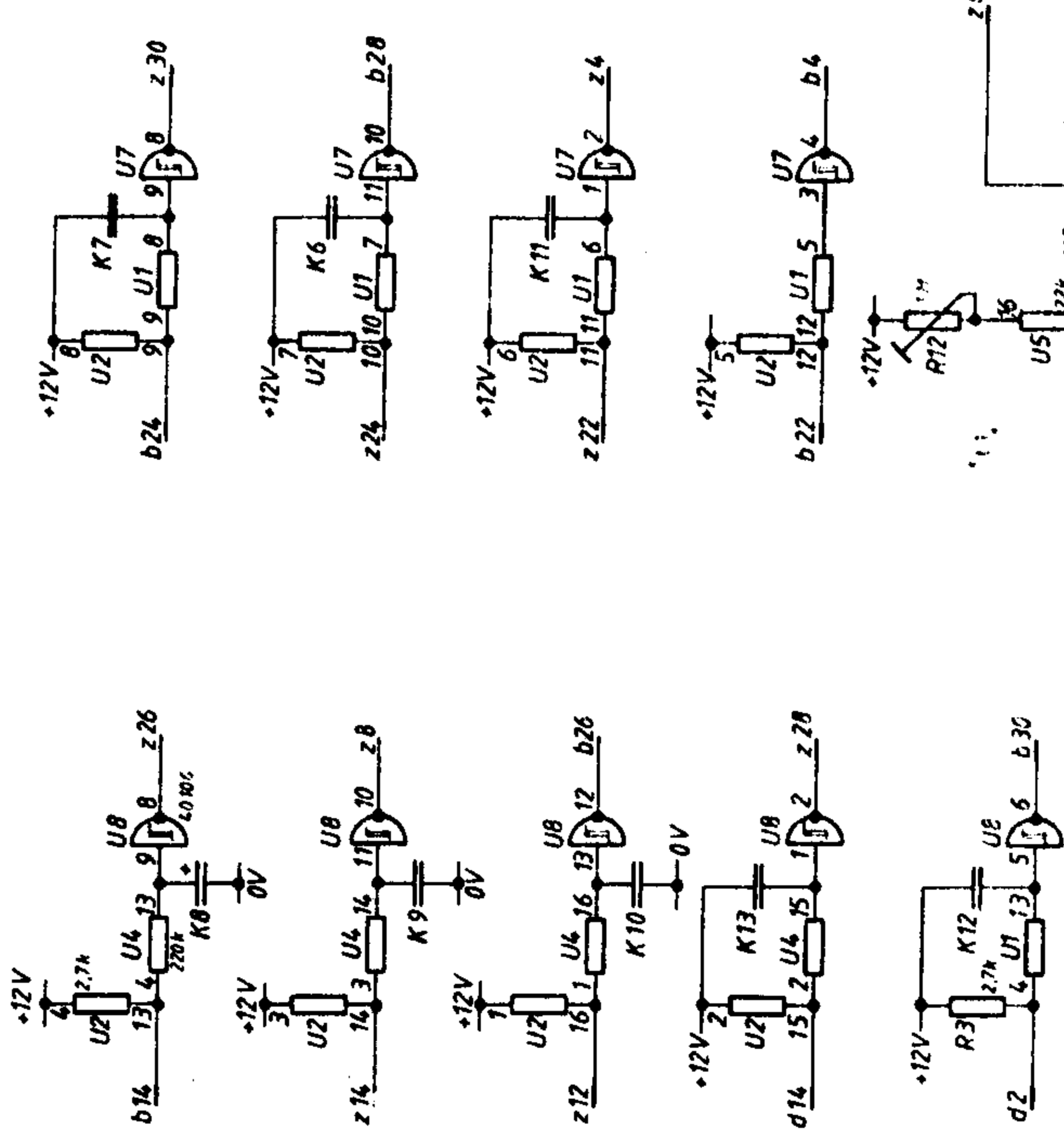
Nr.	Art der Änderung	Änderung Nr.	Datum	Bearb.	Finnr.
0	Eingeführt lt.	①	27.11.87	Stroba	
1					
2					
3					
4					

19 87	Datum	Name	Typ
06.05.		Juulke	
	Gezeichnet		
	Gepr. / Geprüft		
	Normgepr.		
	Benennung		
	STP		
	DX 228		
	DC Motor-Endstufe		
	Zeichnungs-Nr.		
	95-791 071-95		
	Blattzahl:		
	Blatt:		

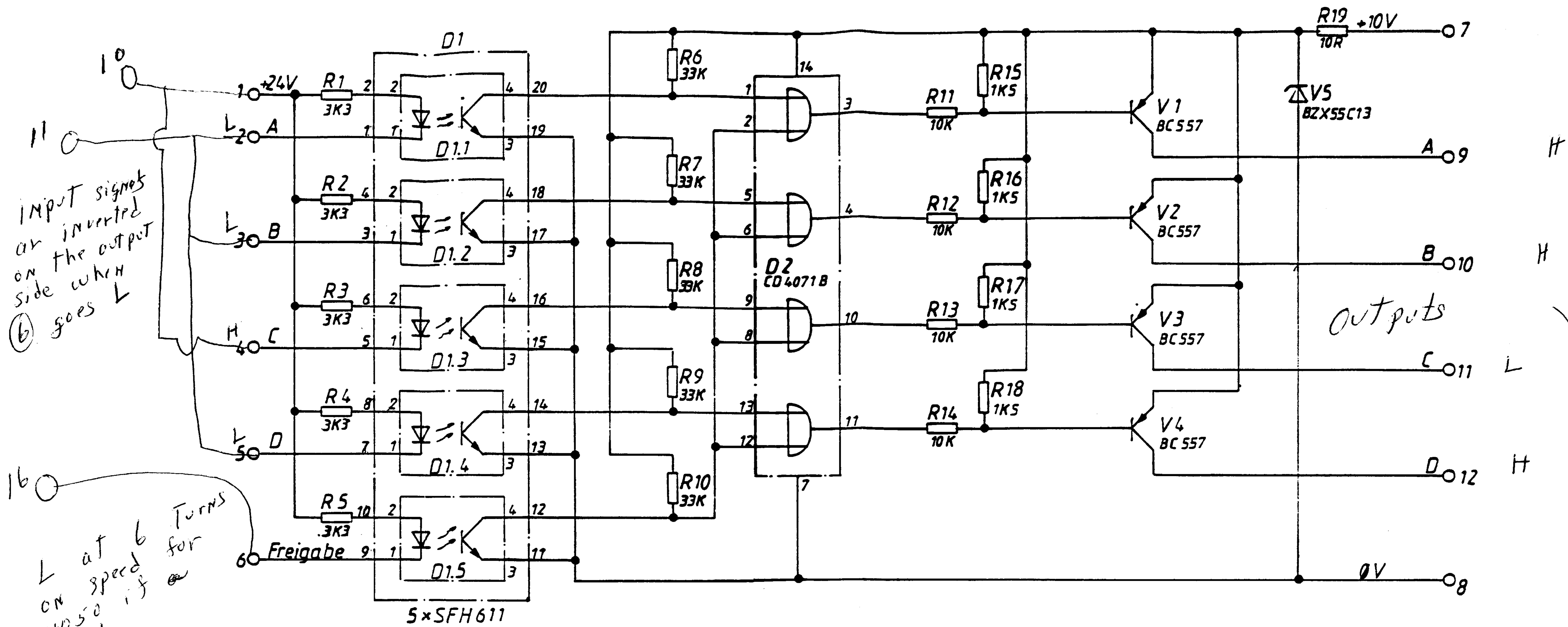
PFAFF



DX 71a: Kondensator K6-K13=10nF
 DX 71b: Kondensator K6-K13=100pF



91 79 Zeichnung: 2670 Zeichner: 2615 Geprüft: 2615 Freigegeben: 2615 27.08.1995 27.08.1995		Name: DX 71 Art: DX 71
Pfaff 91-190519-95 Stromlaufplan DX 71a,b		



INPUT signals
are inverted
on the output
side which
⑥ goes L

L at speed
on 4050 if
turns

Motor for high speed
at ⑥ releases
signal to motor (D-L)
(A-H) (B-L) (C-H)
are inverted to (D-H)
(A-L) (B-H) (C-L) (D-H)
for 4050 R.P.M.

Input
A-L
B-L
C-H
D-L

DCBA
HLLL

D	C	B	A	Funktion-EFKA Motor I
L	L	H	H	Fadenschneiden + Fuß lüften
L	L	L	H	Fuß auf
L	L	H	L	Fuß ab
L	L	L	L	Motor stop
H	L	L	L	n12 ≈ 4050 -min
H	L	L	H	n11 ≈ 4050 .
H	L	H	H	n10 ≈ 4050 .
H	L	H	L	n9 ≈ 2950 .
H	H	H	L	n8 ≈ 2150 .
H	H	H	H	n7 ≈ 1560 .
H	H	L	H	n6 ≈ 1110 .
L	H	L	L	n5 ≈ 700 .
L	H	L	H	n4 ≈ 510 .
L	H	H	H	n3 ≈ 390 .
L	H	H	L	n2 ≈ 290 .
L	H	L	L	n1 ≈ 205 .

Best. Leiterplatte DX243 T.Nr. 91-094 365-91

4					19 87	Datum	Name	Ansteuerung Digital-EFKA	Typ
3					Geschieht	22.09.	Juiles	Ersatz für:	PFAFF
2					Gepr./Genehm.			Ersetzt durch:	
1					Montagepr.			Ausf. lt. Änd. Nr.	
0	Eingeführt lt.				Benennung				Zeichnungs-Nr.
Nr.	Art der Änderung	Änderung Nr.	Datum	Bearb.	Führer.	STP DX243			91-190 957-95
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								Blattzahl:	Blatt: