

Installation of Option UPL-B1 (Low Distortion Generator)

- Switch off UPL, unplug power cable from AC supply
- * Unscrew feet at rear of unit
- Turn unit by 180° to allow bottom to be accessed from above
- Push slightly backwards and remove bottom cover panelling
- Connect cable W100 (1078.3085.00) to plug X100 of Analog Unit (1078.2908.00)
(take care to connect W100•1 to X100•1)
- Insert side with extraction levers of Low Distortion Generator (cover label on top) into the two red plastic holders
- * Use the two screw assemblies M2.5x6 and metal plate to fix Low Distortion Generator to the analog unit
- * Mount bottom cover panelling and feet to unit (panelling must in good contact with the frame to ensure RF shielding)

Level and frequency accuracy need to be calibrated after installation. No external measuring instruments are required, as the generator signal is measured by the analyzer via an internal link.

- Frequency is measured by the UPL frequency counter.
- Voltage is calibrated relative to the universalgenerator, which should be matched and calibrated.

Frequency response matching is not necessary

For testing frequency response, see service manual

Caution:

- During calibration cables must not be connected to the generator outputs and analyzer inputs
- Ambient temperature: 23±5°C
- Warming-up time of UPL: 1 hour

Calibration:

- Switch on UPL
- Allow to warm up
- Call calibration routine in OPTIONS Panel:
select "ONCE" in CALIBRATION GEN LOW DIST line
- Calibration is run automatically

Putting into operation:

On power-up of the unit, the installed option will be automatically recognized by the software and can be controlled via the analyzer panel

Tools required:

- * Phillips screw driver size 1 or 2

01			Ne		Tag	Name	Benennung <h1 style="margin: 0;">Einbauanweisung</h1> <h2 style="margin: 0;">Installation Instruction</h2>	
				Bearb.	12.95	Ne		
				Gepr.				
				Norm				
				 ROHDE & SCHWARZ			Zeichn.-Nr.	1078.4423
Änd. Zust.	Änderungs- Mittellung	Tag	Name	zu Gerät UPL-B1			reg. i. V. 1078.4400	erste Z. 1078.4417
							Blatt-Nr.	2
							v. Bl.	2

Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
	XX VARIANTENERKLAERUNG IDENTIFICATION OF MODELS VAR 02 = GRUNDAUSFUEHRUNG MOD 02 = BASIC MODEL				
A26	ED LOW DIST.GENERATOR LOW DIST.GENERATOR HIERZU STROML.1031.2699 S SEE CIRC.DIAG.1031.2699 S	1031.2699.02			
W100	DY LOW DIST. CABLE	1078.3085.00			1078.4417.00

FÜR DIESE UNTERLAGE
BEHALTEN WIR UNS ALLE RECHTE VOR

ZEICHN.-NR.

F

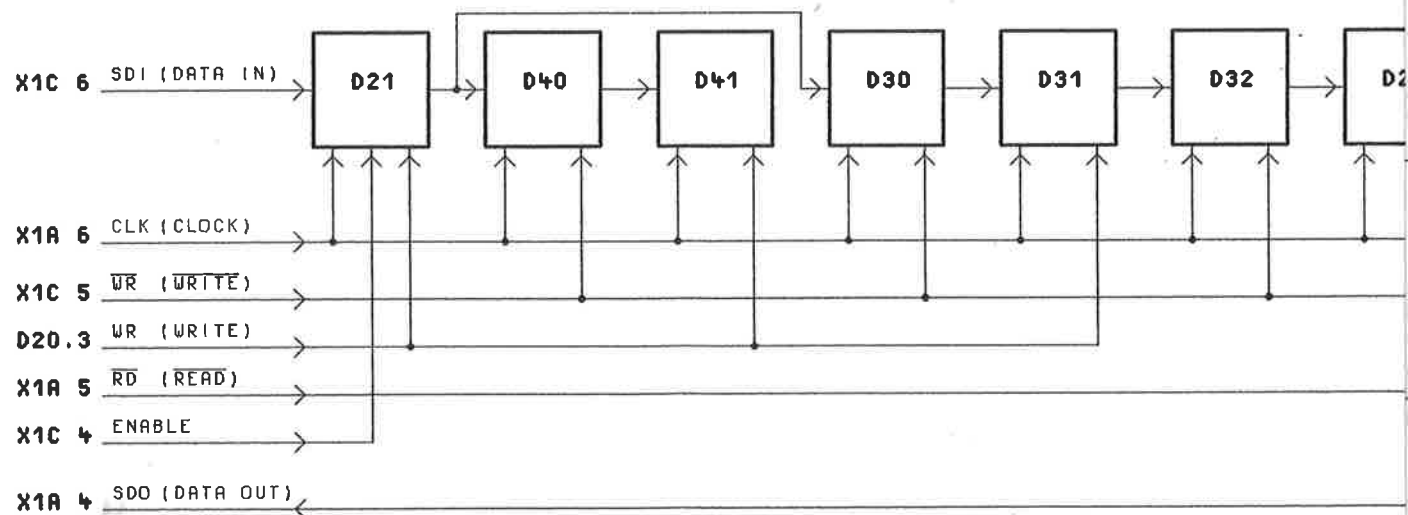
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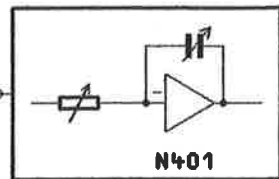
B

A



SHEET 4

INTEGRATOR 2



DATA LINK

SHEET3

INTEGRATOR 1

LOOP

SIN

COS

N301

FREQ TUNE
D32, N35

12 BIT

V=1,0...0,0

SHEET5

LEVEL CONTROL (ALC)

SUMMIERVERSTÄRKER
SUMMING AMPLIFIER

-6V2

V500

N51

V504
C504
N53

N52

SIN

D50

T & H
CONTROL

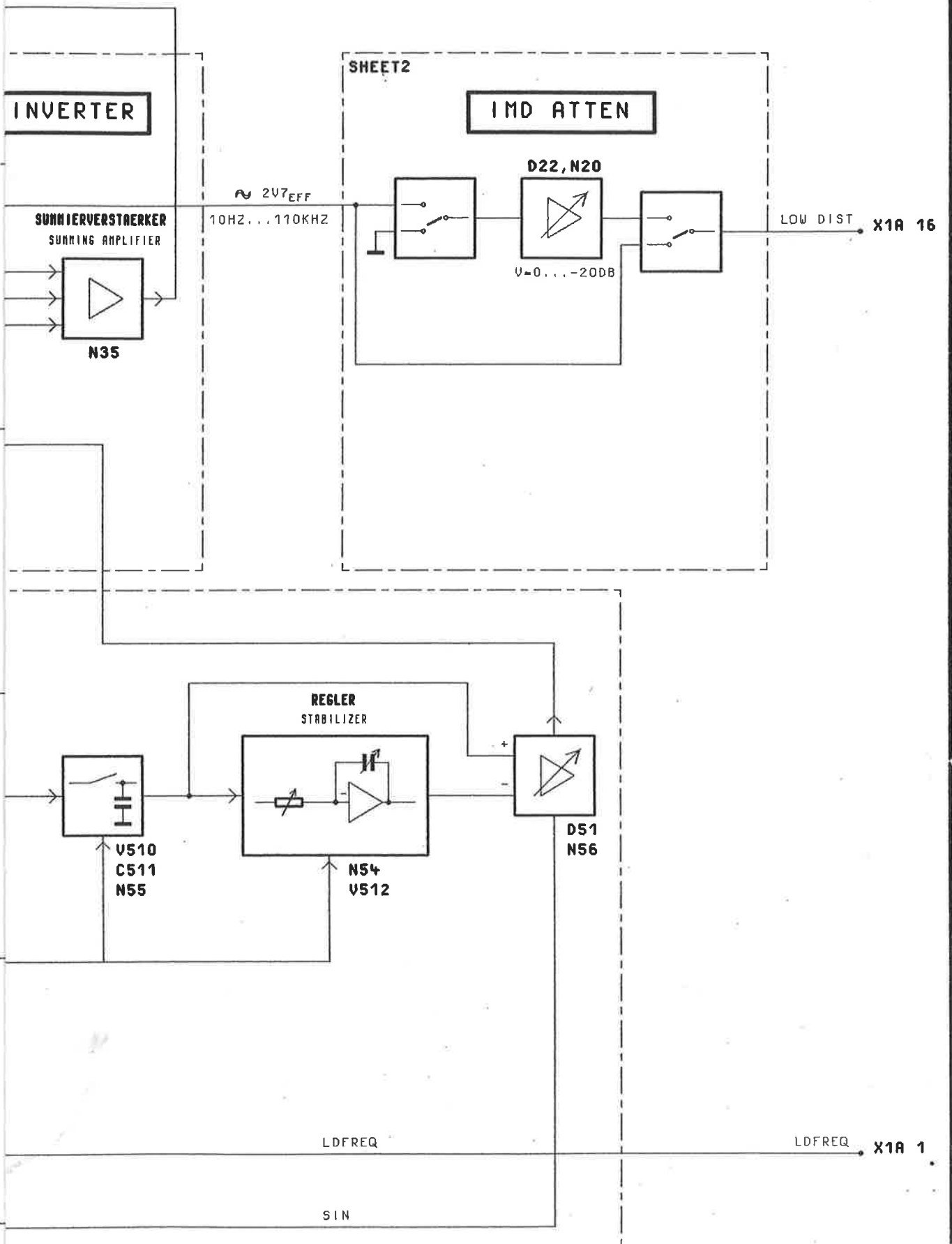
V505...V508


STROMLAUF GILT FUER VAR.02
CIRCUIT DIAGRAM IS VALID FOR MOD.02

ACHTUNG: EGB!
ELEKTROSTATISCH GEFÄHRDETE
BAUELEMENTE ERFORDERN EINE
BESONDERE HANDHABUNG.
ATTENTION ESD!
ELECTROSTATIC SENSITIVE DEVICES
REQUIRE A SPECIAL HANDLING

FÜR DIESE UNTERLAGE
BEHALTEN WIR UNS ALLE RECHTE VOR

ZEICHN.-NR.



0			1GPK	TAG	NAME	BENENNUNG	
			BEARB.		FW		
			GEPR.		SR		
			NORM				
			PLOTT	06.08.93			
			 ROHDE & SCHWARZ			ZEICHN.-NR.	BLATT-NR.
						1031.2699.015	1+
			ZU GERÄT	UPD-B1	REG. I. V.	1031.2601	ERSTE Z. 1031.2601
			ÄNDERUNGS- MITTEILUNG	DATUM	NAME		

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ZE: N. -NR.



03/				1GPK	TAG	NAME	BENENNUNG		
				BEARB.		SR	LOW DIST.GENERATOR		
				GEPR.			LOW DIST.GENERATOR		
				NORM					
				PLOTT	07.02.97				
/							ZEICHN.-NR.		BLATT-NR.
REND.	RENDERUNGS-	DATUM	NAME	ROHDE&SCHWARZ			1031.2699.01S		2+
IND.	MITTEILUNG			ZU GERÄT UPD-B1			REG. I. V.	1031.2601	U. 5 BL.
							ERSTE Z.	1031.2601	

FUER DIESE UNTERLAGE
BEHALTEN WIR UNS ALLE RECHTE VOR

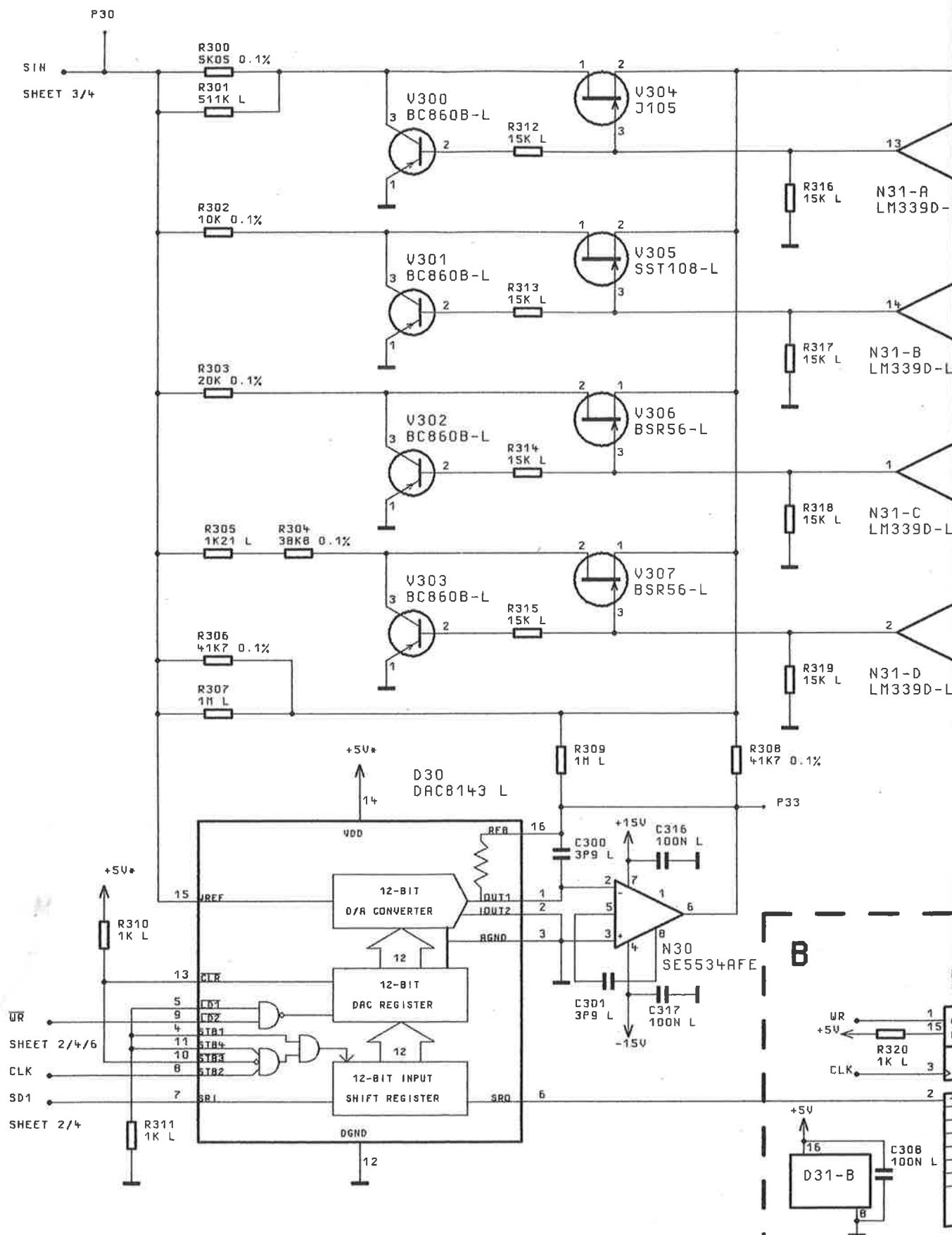
ZEICHN.-NR.

C

INTEGRATOR 1

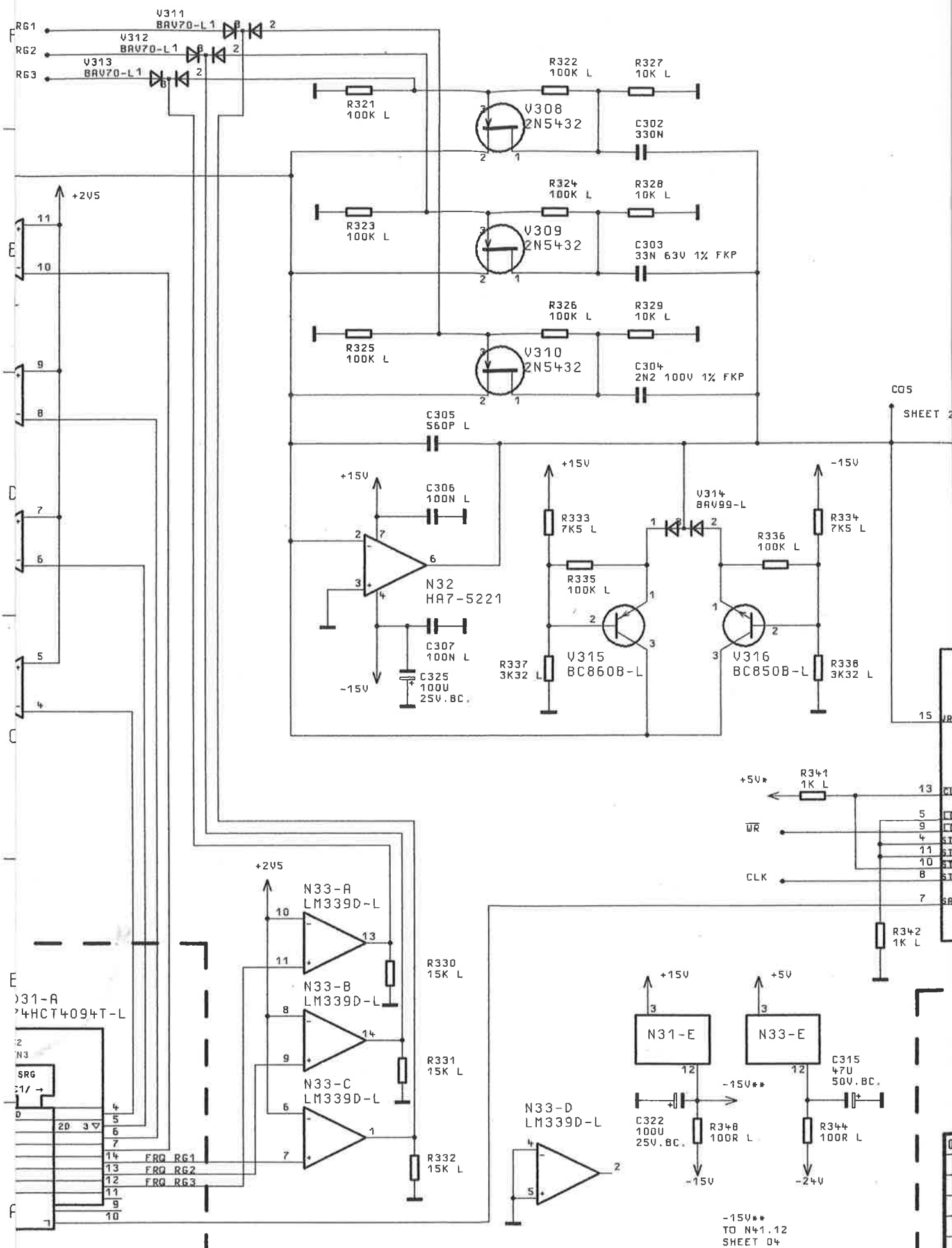
SHEET 4

FRQ
FRQ
FRQ



FUER DIESE UNTERLAGE
BEHALTEN WIR UNS ALLE RECHTE VOR

ZEICHN. - NR.



CG5
SHEET 2

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
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P34

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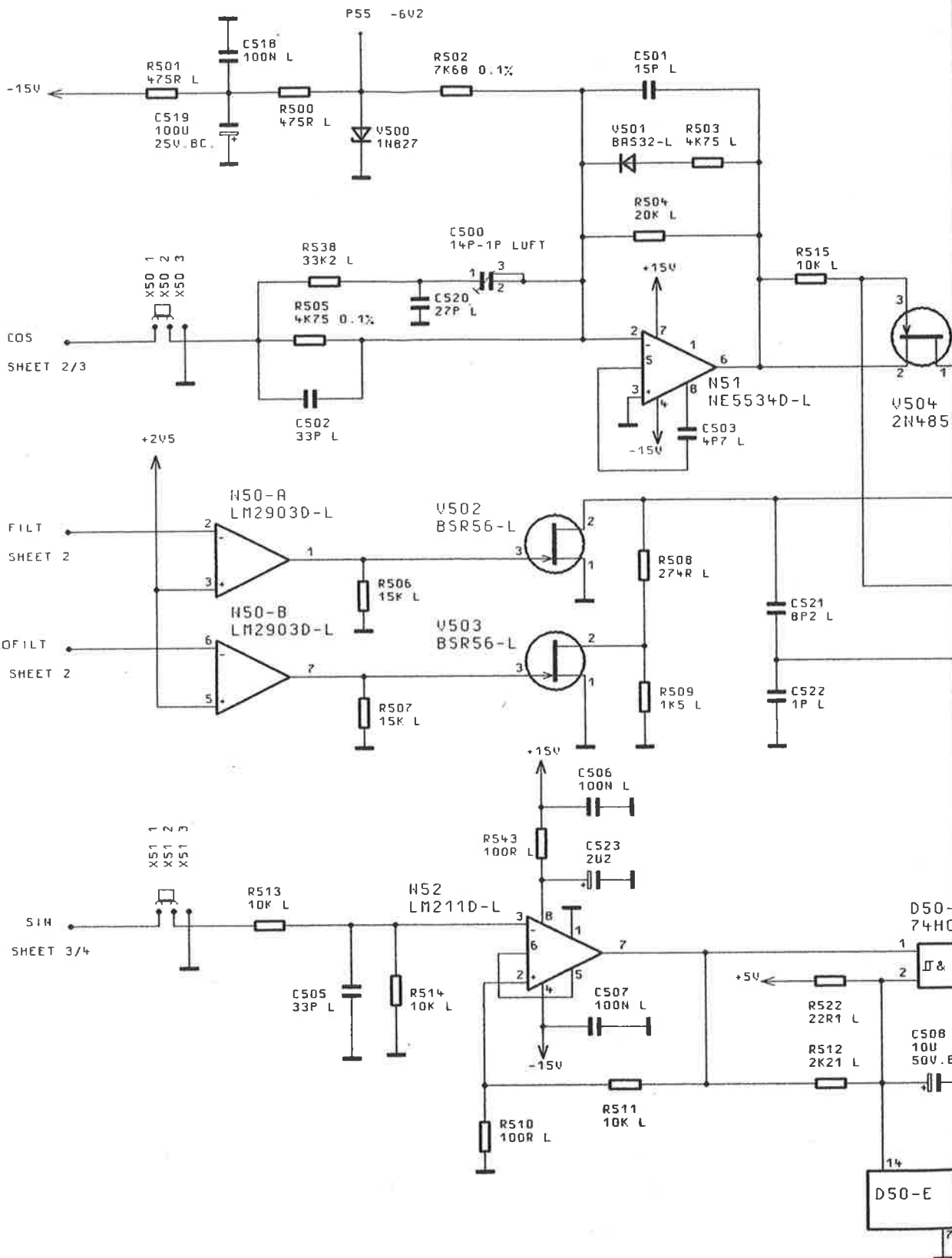
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				BEABD.		FW	LOW DIST.GENERATOR			
				GEPR.		SR	LOW DIST.GENERATOR			
				NORM						
				PLOTT	24.05.93					
							ZEICHN.-NR.		BLATT-NR.	
				ROHDE&SCHWARZ			1031.2699.01S		4 +	
ABEND. IND.	ABENDERUNGS- MITTEILUNG	DATUM	NAME	ZU GERÄT UPD-B1			REG. I. V.	1031.2601	ERSTE Z.	1031.2601

FUEP DIESE UNTERLAGE
BEHALTEN WIP UNS ALLE RECHTE VOR

ZEICHN.-NR.

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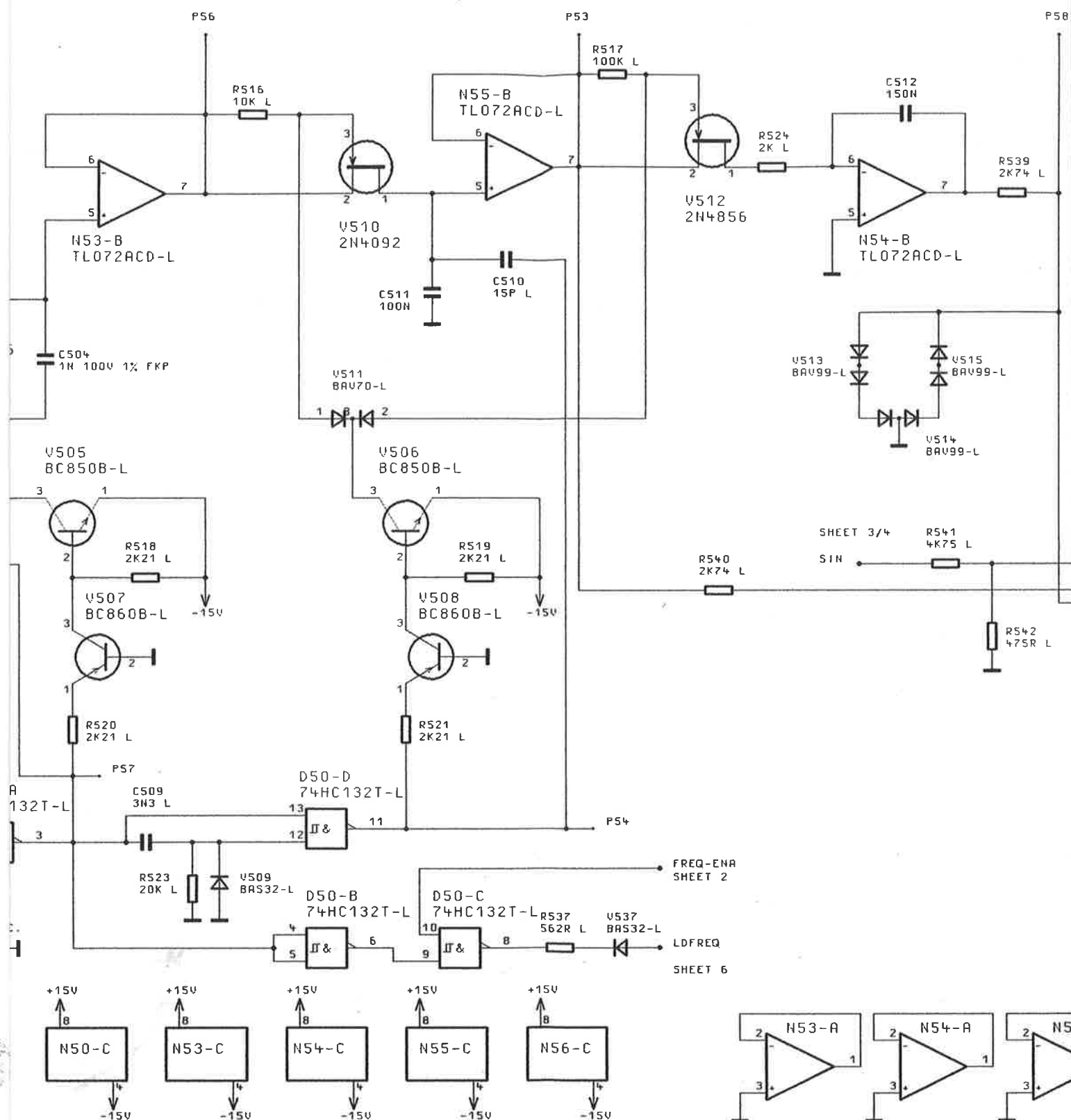
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BEHALTEN UND UNS ALLE RECHTE VOR
FÜR DIESE UNTERLAGE



STROMLAUF GILT FUER VAR.02
CIRCUIT DIAGRAM IS VALID FOR MOD.02

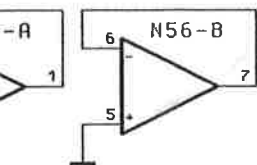
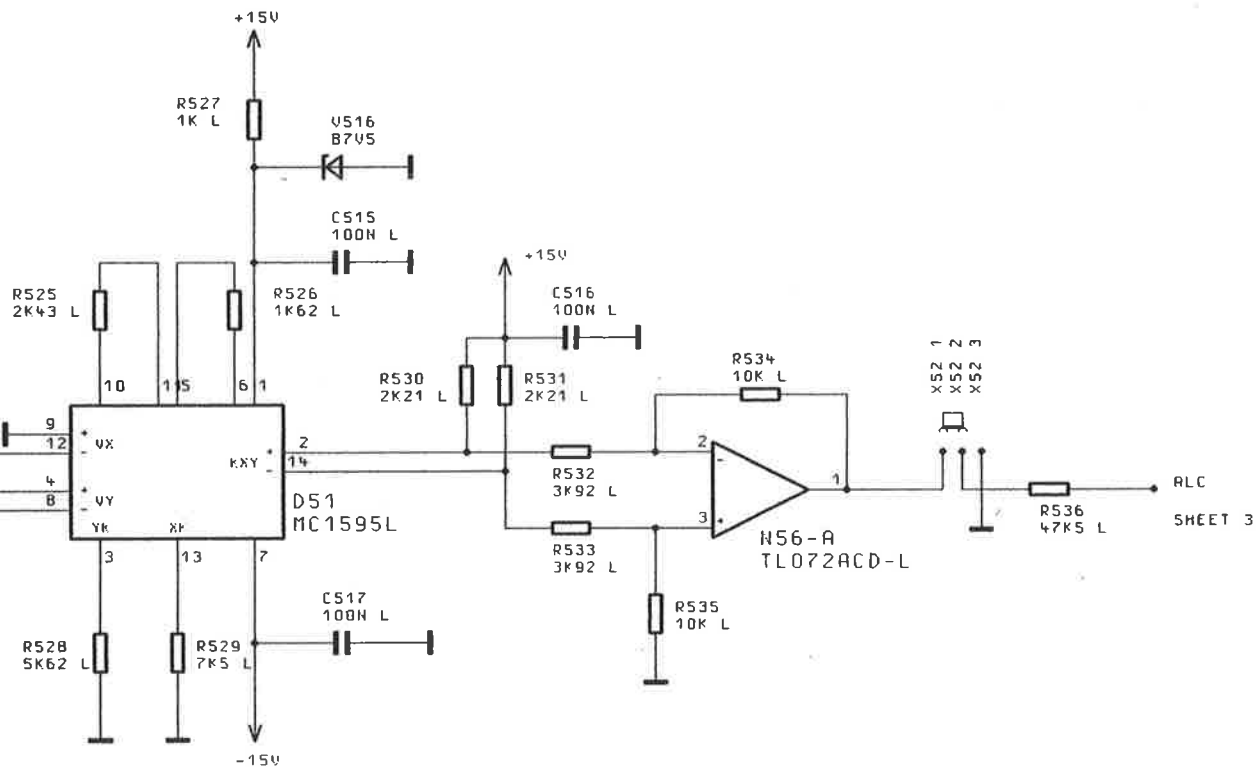



ACHTUNG: EGB!
ELEKTROSTATISCH GEFÄHRDETE
BAUELEMENTE ERFORDERN EINE
BESONDERE HANDHABUNG.
ATTENTION ESD!
ELECTROSTATIC SENSITIVE DEVICES
REQUIRE A SPECIAL HANDLING

03/

REN
INI

LEVEL CONTROL (ALC)



			1GPK	TAG	NAME	BENENNUNG	LOW DIST.GENERATOR LOW DIST.GENERATOR	BLATT-NR. 5+
			BEARB.		SR			
			GEPR.					
			NORM					
			PLOTT	07.02.97				
RENDERUNGS- MITTEILUNG	DATUM	NAME	 ROHDE & SCHWARZ			ZEICHN.-NR.	1031.2699.015	V. 5 BL.
			ZU GERÄT	UPD-B1				
			REG. I. V.	1031.2601	ERSTE Z.	1031.2601		

SHEET

SHEET

X1A 1	→	LDFREQ	6 5
X1A 2	→		
X1A 3	→		
X1A 4	→	SDD	2
X1A 5	→	RD	2
X1A 6	→	CLK	2
X1A 7	→	+5V (OPT)	2/3/4/5
X1A 8	→	-24V	3
X1A 9	→	-15V	2/3/4/5
X1A 10	→	+15V	2/3/4/5
X1A 11	→	+6V	2
X1A 12	→	+5V	2/3/4/5
X1A 13	→		
X1A 14	→		
X1A 15	→		
X1A 16	→	LOW DIST	2

X1C 1	→		
X1C 2	→		
X1C 3	→		
X1C 4	→	ENABLE	2
X1C 5	→	WR	2
X1C 6	→	SDI	2
X1C 7	→		
X1C 8	→	-24V	3
X1C 9	→	-15V	2/3/4/5
X1C 10	→	+15V	2/3/4/5
X1C 11	→	+6V	2
X1C 12	→	+5V	2/3/4/5
X1C 13	→		
X1C 14	→		
X1C 15	→		
X1C 16	→		

B

SHEET

C

SHEET


X3 1	→	WR	2/3/4
X3 2	→	WR	2/3/4
X3 3	→	RD	2
X3 4	→	CLK	2/3/4
X3 5	→	SDI	2
X3 6	→	SDD	2

X4 1	→	+5V	2/3/4/5
X4 2	→	+15V	2/3/4/5
X4 3	→	-15V	2/3/4/5
X4 4	→	-24V	3
X4 5	→	+6V	2
X4 6	→	ENABLE	2



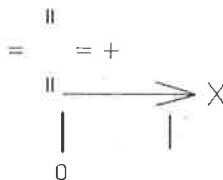
ACHTUNG: EGB!
ELEKTROSTATISCH GEFÄHRDETE
BAUELEMENTE ERFORDERN EINE
BESONDERE HANDHABUNG.
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STROMLAUF GILT FÜR VAR.02
CIRCUIT DIAGRAM IS VALID FOR MOD.02


02/00				1GPK	TAG	NAME	BENENNUNG
				BEARB.		FW	LOW DIST.GENERATOR LOW DIST.GENERATOR
				GEPR.		SR	
				NORM			
				PLOTT	24.05.93		
				 ROHDE&SCHWARZ			ZEICHN.-NR.
							1031.2699.01S
REND. IND.	RENDERUNGS- MITTEILUNG	DATUM	NAME	ZU GERÄT UPD-B1			REG. I.V. 1031.2601 ERSTE Z. 1031.2601

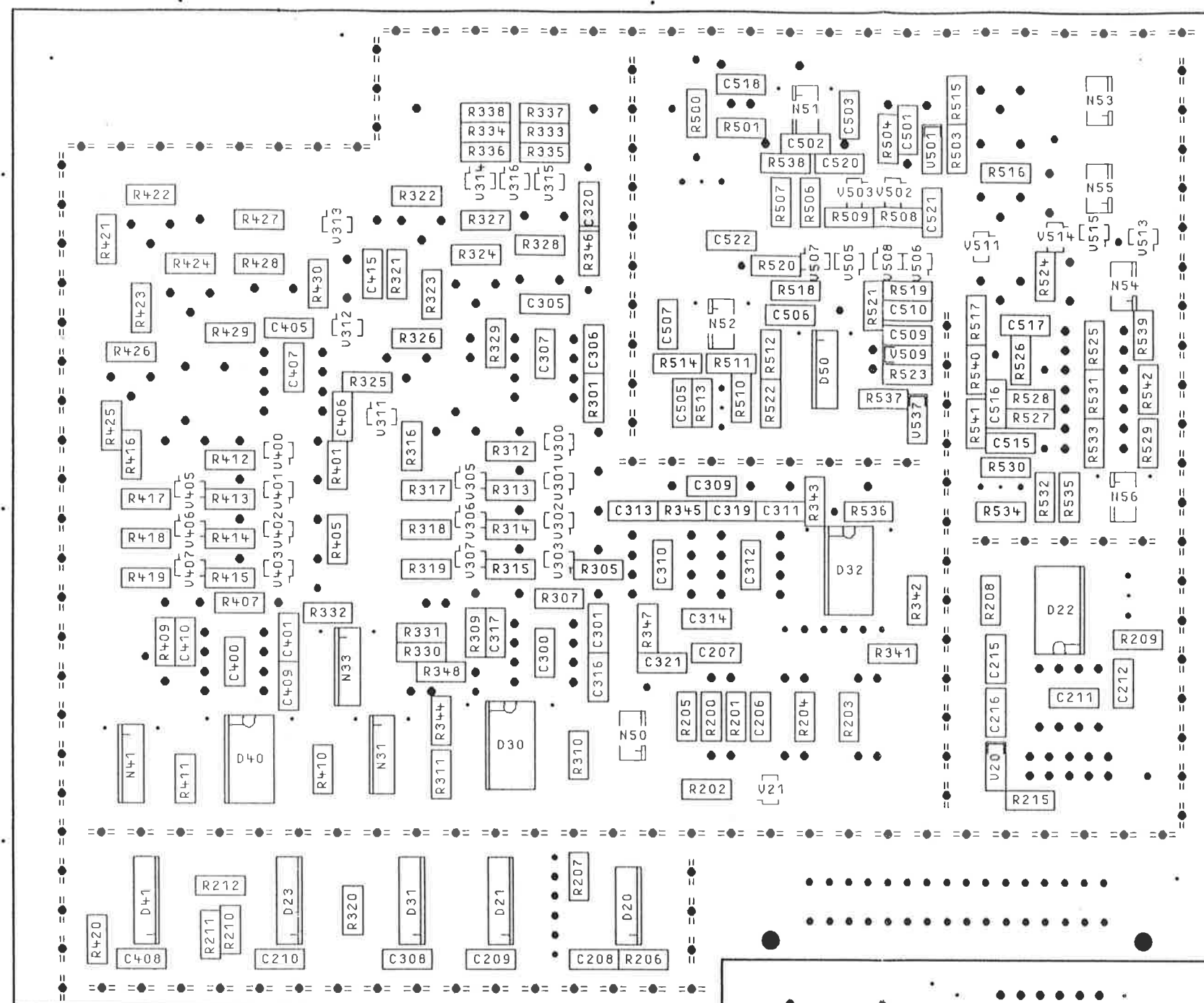
BLATT-NR.
6-

FÜR DIESE ZEICHNUNG BEHALTEN WIR UNS ALLE RECHTE VOR



FOR BINDING INFORMATION ON MODELS,
TRIMMING AND COMPONENTS VALUES AND
NONFITTED COMPONENTS SEE PARTS LIST.

02/00				1GPK	TAG	NAME	BENENNUNG			2
				BEARB.		SR	LOW DIST.GENERATOR LOW DIST.GENERATOR			
				GEPR.		SR				
				NORM						
				PLOTT	10.05.93					
							ZEICHN.-NR.		BLATT-NR.	
REND. IND.	ENDERUNGS- MITTEILUNG	DATUM	NAME	ROHDE&SCHWARZ			1031.2699.01		EE	1+
				ZU GERÄT UPD-B1			REG.I.V.	1031.2601	ERSTE Z.	1031.2601
									V.	BL.




DARSTELLUNG SEITE A
VIEW ON SIDE A



ACHTUNG: EGB!
ELEKTROSTATISCH GEFÄHRDETE
BAUELEMENTE ERFORDERN EINE
BESONDERE HANDHABUNG.
ATTENTION ESD!
ELECTROSTATIC SENSITIVE DEVICES
REQUIRE A SPECIAL HANDLING

BINDENDE ANGABEN UEBER VARIANTEN,
TRIMMWERTE, BAUTEILWERTE UND
NICHT BESTUECKTE BAUTEILE SIEHE SA.

FOR BINDING INFORMATION ON MODELS,
TRAINING AND COMPONENTS VALUES AND
NONFITTED COMPONENTS SEE PARTS LIST.

02/00				1GPK	1AG	NAME	BENENNUNG			
				BEARB.		SR	LOW DIST.GENERATOR			2
				GEPR.		SR	LOW DIST.GENERATOR			
				NORM						
				PLOTT	18.05.93					
							ZEICHN.-NR.		BLATT-NR.	
				ROHDE&SCHWARZ			1031.2699.01		EE	2-
REND. IND.	RENDERUNGS- MITTEILUNG	DATUM	NAME	ZU GERÄT UPD-B1			REG.I.V.	1031.2601	ERSTE Z.	1031.2601

XY-Liste

XY List

Erklärung der Spaltenbezeichnungen:

- Part:** Bauelement-Kennzeichen.
- Side:** Leiterplatten-Seite, auf der sich das Bauelement befindet.
- X/Y:** Koordinaten (Millimeter) des Bauelementes auf der Leiterplatte bezogen auf den Nullpunkt.
- SQR, PG:** Planquadrat und Seite des Schaltbildes für das jeweilige Bauelement.

Explanation of column designations:

- Part:** Identification of instrument part.
- Side:** Side of the PC board on which instrument part is positioned.
- X/Y:** Coordinates (millimeter) of the component on the PC board in reference to zero point.
- SQR, PG:** Square and page of the diagram for the respective instrument part.

14m+																	
Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
C200	B	65	33	2F	2	C504	B	25	112	5D	5	N33-E				8B	3
C201	B	46	33	2F	2	C505	A	69	77	2B	5	N34	B	67	62	11D	3
C202	B	55	33	2F	2	C506	A	56	90	3C	5	N35	B	56	62	10C	3
C203	B	46	43	2E	2	C507	A	70	87	3B	5	N40	B	130	41	4C	4
C204	B	55	43	3E	2	C508	B	44	86	4B	5	N41-A	A	143	36	5E	4
C205	B	65	43	4E	2	C509	A	41	88	5C	5	N41-B				5E	4
C206	A	58	40	4F	2	C510	A	38	91	6E	5	N41-C				5D	4
C207	A	66	46	4E	2	C511	B	21	109	6E	5	N41-D				5C	4
C208	A	78	6	2B	2	C512	B	18	97	8E	5	N41-E				7B	4
C209	A	95	6	3B	2	C515	A	24	74	9D	5	N42	B	123	77	7D	4
C210	A	122	6	4B	2	C516	A	28	77	10D	5	N50-A	A	72	34	2D	5
C211	A	20	41	7E	2	C517	A	22	89	9C	5	N50-B				2D	5
C212	A	11	44	7D	2	C518	A	59	120	2F	5	N50-C				5B	5
C215	A	28	48	7D	2	C519	B	60	117	2E	5	N51	A	56	119	3E	5
C216	A	28	41	7D	2	C520	A	50	110	3E	5	N52	A	67	91	3C	5
C300	A	86	48	3B	3	C521	A	36	105	4D	5	N53-A	A	11	116	7B	5
C301	A	79	51	3B	3	C522	A	60	100	4D	5	N53-B				5E	5
C302	B	103	117	7E	3	D20-A	A	72	10	2C	2	N53-C				5B	5
C303	B	84	103	7E	3	D20-B				1C	2	N54-A	A	8	92	8B	5
C304	B	90	95	7D	3	D20-C				1C	2	N54-B				8E	5
C305	A	88	91	6D	3	D20-D				1B	2	N54-C				6B	5
C306	A	80	84	6D	3	D20-E				2B	2	N55-A	A	11	105	8B	5
C307	A	86	87	6C	3	D21-A	A	89	10	2D	2	N55-B				6E	5
C308	A	106	6	4A	3	D21-B				3B	2	N55-C				6B	5
C309	A	63	68	11E	3	D22	A	14	48	6C	2	N56-A	A	15	69	10D	5
C310	A	71	56	11D	3	D23-A	A	116	10	7C	2	N56-B				9B	5
C311	A	54	65	10C	3	D23-B				3B	2	N56-C				6B	5
C312	A	60	56	10C	3	D30	A	96	39	2A	3	HVC	B	69	102	1B	6
C313	A	73	65	11D	3	D31-A	A	100	10	4B	3	P20	B	73	42	4F	2
C314	A	67	51	11D	3	D31-B				4A	3	P21	B	8	30	8E	2
C315	B	99	53	8A	3	D32	A	52	62	8B	3	P30	B	81	93	1E	3
C316	A	79	45	3B	3	D40	A	130	37	2A	4	P31	B	81	109	9D	3
C317	A	93	51	3B	3	D41-A	A	135	10	5B	4	P32	B	49	65	11C	3
C319	A	60	65	10E	3	D41-B				6B	4	P33	B	95	41	4C	3
C320	A	81	102	9D	3	D50-A	A	53	87	4C	5	P34	B	116	55	11E	3
C321	A	69	45	11D	3	D50-B				6B	5	P40	B	138	46	4C	4
C322	B	104	41	7A	3	D50-C				6B	5	P53	B	28	85	7F	5
C325	B	96	84	6C	3	D50-D				6C	5	P54	B	48	91	7C	5
C400	A	126	47	3C	4	D50-E				4B	5	P55	B	70	117	2F	5
C401	A	119	50	4B	4	D51	B	19	73	9D	5	P56	B	20	113	5F	5
C402	B	131	102	8F	4	K2-A	B	23	33	5E	2	P57	B	61	97	5C	5
C403	B	112	97	8E	4	K2-B				8E	2	P58	B	12	100	8F	5
C404	B	124	93	8D	4	K2-C				4D	2	R200	A	65	36	3F	2
C405	A	121	88	8D	4	N20	B	22	44	7D	2	R201	A	62	40	3F	2
C406	A	112	79	7D	4	N30	B	90	43	3B	3	R202	A	67	29	4D	2
C407	A	119	85	7C	4	N31-A	A	110	37	5E	3	R203	A	47	36	2E	2
C408	A	140	6	7B	4	N31-B				5D	3	R204	A	53	36	2E	2
C409	A	119	40	4C	4	N31-C				5D	3	R205	A	68	36	3E	2
C410	A	133	49	4B	4	N31-D				5C	3	R206	A	75	6	2C	2
C414	B	133	83	7C	4	N31-E				7B	3	R207	A	82	15	1B	2
C415	A	109	93	8C	4	N32	B	90	79	6D	3	R208	A	29	52	5D	2
C500	B	39	110	3E	5	N33-A	A	115	48	6B	3	R209	A	11	48	5C	2
C501	A	39	116	3F	5	N33-B				6B	3	R210	A	127	8	7B	2
C502	A	54	112	2E	5	N33-C				6A	3	R211	A	130	11	7B	2
C503	A	47	118	4D	5	N33-D				7A	3	R212	A	126	16	7B	2


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Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
R215	A	22	27	6E	2	R405	A	113	63	2D	4	R529	A	8	75	9C	5
R300	B	79	75	2E	3	R406	B	121	53	2C	4	R530	A	28	70	10D	5
R301	A	80	81	2E	3	R407	A	124	53	2C	4	R531	A	15	82	10D	5
R302	B	79	70	2E	3	R408	B	135	53	4C	4	R532	A	22	68	10D	5
R303	B	79	65	2D	3	R409	A	135	49	4C	4	R533	A	15	75	10C	5
R304	B	79	60	2C	3	R410	A	115	33	2B	4	R534	A	26	65	10D	5
R305	A	78	57	2C	3	R411	A	133	32	2B	4	R535	A	18	68	10C	5
R306	B	79	54	2C	3	R412	A	125	71	3E	4	R536	A	43	65	11D	5
R307	A	83	53	2C	3	R413	A	125	66	3E	4	R537	A	44	79	6B	5
R308	B	95	54	4C	3	R414	A	125	61	3D	4	R538	A	57	110	2E	5
R309	A	95	51	3C	3	R415	A	125	56	3C	4	R539	A	9	89	8E	5
R310	A	82	35	1B	3	R416	A	140	74	5E	4	R540	A	30	85	7D	5
R311	A	100	32	2A	3	R417	A	136	66	5E	4	R541	A	30	74	8D	5
R312	A	89	72	3E	3	R418	A	136	61	5D	4	R542	A	8	79	8C	5
R313	A	89	67	3D	3	R419	A	136	56	5C	4	V20	A	28	34	5D	2
R314	A	89	62	3D	3	R420	A	144	7	5B	4	V21	A	58	28	4D	2
R315	A	89	57	3C	3	R421	A	143	98	7F	4	V300	A	84	72	3E	3
R316	A	104	75	4E	3	R422	A	139	105	7F	4	V301	A	84	67	3D	3
R317	A	100	67	4D	3	R423	A	138	89	7E	4	V302	A	84	62	3D	3
R318	A	100	62	4D	3	R424	A	134	97	7E	4	V303	A	84	57	3C	3
R319	A	100	57	4C	3	R425	A	142	74	7D	4	V304	B	95	75	3E	3
R320	A	111	14	4B	3	R426	A	141	85	7E	4	V305	A	97	70	3D	3
R321	A	105	93	6F	3	R427	A	125	102	8F	4	V306	A	97	65	3D	3
R322	A	105	105	7F	3	R428	A	125	97	8E	4	V307	A	97	60	3C	3
R323	A	101	91	6E	3	R429	A	129	88	8E	4	V308	B	100	102	7F	3
R324	A	97	98	7E	3	R430	A	116	92	8D	4	V309	B	93	94	7E	3
R325	A	111	81	6E	3	R500	A	67	114	2F	5	V310	B	102	84	7E	3
R326	A	105	87	7E	3	R501	A	59	114	2F	5	V311	A	108	78	5F	3
R327	A	96	102	7F	3	R502	B	64	123	3F	5	V312	A	113	90	5F	3
R328	A	89	99	7E	3	R503	A	33	110	4E	5	V313	A	114	103	5F	3
R329	A	93	88	7E	3	R504	A	42	115	3E	5	V314	A	96	109	7D	3
R330	A	100	46	6B	3	R505	B	58	112	2E	5	V315	A	87	109	7C	3
R331	A	100	49	6B	3	R506	A	52	107	2D	5	V316	A	91	109	8C	3
R332	A	116	51	6A	3	R507	A	56	107	2D	5	V400	A	120	71	3E	4
R333	A	88	114	7D	3	R508	A	39	103	3D	5	V401	A	120	66	3E	4
R334	A	96	114	8D	3	R509	A	45	103	3D	5	V402	A	120	61	3D	4
R335	A	88	111	7D	3	R510	A	61	78	3B	5	V403	A	120	56	3C	4
R336	A	92	111	8D	3	R511	A	64	84	3B	5	V404	B	130	74	3E	4
R337	A	85	116	7C	3	R512	A	57	87	4C	5	V405	A	133	69	3E	4
R338	A	92	116	8C	3	R513	A	66	77	2C	5	V406	A	133	63	3D	4
R339	B	60	68	11E	3	R514	A	67	84	3C	5	V407	A	133	58	3D	4
R340	B	44	68	10D	3	R515	A	33	116	4E	5	V408	B	135	102	7F	4
R341	A	43	46	8C	3	R516	A	25	109	5E	5	V409	B	130	93	7E	4
R342	A	38	55	8B	3	R517	A	30	88	7E	5	V410	B	137	82	7E	4
R343	A	51	68	10D	3	R518	A	52	93	5D	5	V500	B	67	110	2E	5
R344	A	100	39	8A	3	R519	A	41	93	6D	5	V501	A	36	114	3E	5
R345	A	67	65	10E	3	R520	A	55	97	5C	5	V502	A	40	107	3D	5
R346	A	81	97	9D	3	R521	A	44	93	6C	5	V503	A	45	107	3D	5
R347	A	73	51	11D	3	R522	A	57	81	4C	5	V504	B	25	119	4E	5
R348	A	101	44	7A	3	R523	A	41	83	5B	5	V505	A	46	96	5D	5
R400	B	116	74	2F	4	R524	A	22	93	7E	5	V506	A	37	96	6D	5
R401	A	113	69	2E	4	R525	A	15	88	9D	5	V507	A	52	98	5C	5
R402	B	116	69	2E	4	R526	A	25	83	9D	5	V508	A	43	98	6C	5
R403	B	116	64	2D	4	R527	A	25	77	9E	5	V509	A	41	85	5B	5
R404	B	116	58	2D	4	R528	A	22	79	9C	5	V510	B	25	105	6E	5


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Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
V511	A	29	100	6D	5	X1C	B	52	11	3F	6	X4	B	55	50	3C	6
V512	B	25	95	7E	5	X1D	B	52	11			X4	B	55	50	3D	6
V513	A	8	99	8D	5	X1A	B	52	11	1F	1	X4	B	55	50	3D	1
V514	A	19	101	8D	5	X1C	B	52	11	3F	1	X50	B	69	107	2E	5
V515	A	14	100	8D	5	X1D	B	52	11			X51	B	64	76	2C	5
V516	B	22	73	9D	5	X2	B	11	57	5E	2	X52	B	25	68	11D	5
V537	A	38	79	7B	5	X3	B	85	7	1D	6						
X1A	B	52	11	1F	6	X3	B	85	7	1D	1						


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	XX VARIANTENERKLAERUNG IDENTIFICATION OF MODELS VAR 02 = GRUNDAUSFUEHRUNG MOD 02 = BASIC MODEL ZUGEH.STROML./CIRC.DIAGR. CIRC.DIAGR. 1031.2699.01 S					
C200 ..205 C206 ..212 C215	CE 100UF+-20%25V RM2.5 ELECTOLYTIC CAPACITOR	CE 0008.7891.00	PANASONIC	ECA-1EFG101I		
C216	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
C300	CC 3,9PF+-0,25 50VNP01206 CERAMIC CHIP CAPACITOR	CC 0007.8207.00	VITRAMON	VJ1206 A 3R9 C AT		
C301	CC 3,9PF+-0,25 50VNP01206 CERAMIC CHIP CAPACITOR	CC 0007.8207.00	VITRAMON	VJ1206 A 3R9 C AT		
C302	CK 330NF+-1%160V RD8X19 CAPACITOR	0008.1893.00	ROE	MKP 1839-433/161		
C303	CK 33NF +-1% 63V RM5 KP POLYPROPYLENE CAPACITOR	CK 0007.7681.00	ROEDERSTEI	KP1830-333 06 1 3 W		
C304	CK 2,2NF +-1% 100V RM5 KP POLYPROPYLENE CAPACITOR	CK 0007.7617.00	ROEDERSTEI	KP1830-222 01 1 3 W		
C305	CC 560PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0007.3186.00	VITRAMON	VJ1206 A 561 F AT		
C306	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
C307	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
C308	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
C309 ..312 C313	CC 3,9PF+-0,25 50VNP01206 CERAMIC CHIP CAPACITOR	CC 0007.8207.00	VITRAMON	VJ1206 A 3R9 C AT		
C314	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
C315	CE 47UF+-20%50V RM2,5 ELECTROLYTIC CAPACITOR	CE 0008.7479.00	PANASONIC	ECA1 HFG 470 I		
C316	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
C317	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
C319	CC 3,3PF+-0,25 50VNP01206 CERAMIC CHIP CAPACITOR	CC 0007.8194.00	VITRAMON	VJ 1206 A 3R3 C AT		
C320	CC 330PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8873.00	VITRAMON	VJ1206 A 331 F AT		
C321	CC 330PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8873.00	VITRAMON	VJ1206 A 331 F AT		
C322	CE 100UF+-20%25V RM2.5 ELECTOLYTIC CAPACITOR	CE 0008.7891.00	PANASONIC	ECA-1EFG101I		
C325	CE 100UF+-20%25V RM2.5 ELECTOLYTIC CAPACITOR	CE 0008.7891.00	PANASONIC	ECA-1EFG101I		
C400	CC 3,9PF+-0,25 50VNP01206 CERAMIC CHIP CAPACITOR	CC 0007.8207.00	VITRAMON	VJ1206 A 3R9 C AT		
C401	CC 3,9PF+-0,25 50VNP01206 CERAMIC CHIP CAPACITOR	CC 0007.8207.00	VITRAMON	VJ1206 A 3R9 C AT		
C402	CK 330NF+-1%160V RD8X19 CAPACITOR	0008.1893.00	ROE	MKP 1839-433/161		
C403	CK 33NF +-1% 63V RM5 KP POLYPROPYLENE CAPACITOR	CK 0007.7681.00	ROEDERSTEI	KP1830-333 06 1 3 W		
C404	CK 2,2NF +-1% 100V RM5 KP POLYPROPYLENE CAPACITOR	CK 0007.7617.00	ROEDERSTEI	KP1830-222 01 1 3 W		
C405	CC 560PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0007.3186.00	VITRAMON	VJ1206 A 561 F AT		
C406 ..410 C414	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
C415	CE 220UF+-20%35V RM5 ELECTROLYTIC CAPACITOR	CE 0008.7904.00	PANASONIC	ECA-1VFG221BQ		
C500	CC 330PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8873.00	VITRAMON	VJ1206 A 331 F AT		
C501	CT 13PF TAUCHTR.RD7X12 AIR-TYPE TRIMMER	CT 0092.4266.00	TEKELEC	AT 5401		
	CC 15PF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8750.00	VITRAMON	VJ1206 A 150 F FA		
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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in	
C502	CC 33PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8780.00	VITRAMON	VJ1206 A330F AT		
C503	CC 4,7PF+-0,25 50VNPO1206 CERAMIC CHIP CAPACITOR	CC 0007.8213.00	VITRAMON	VJ1206 A 4R7 C AT		
C504	CK 1,0NF +-1% 100V RM5 KP POLYPROPYLENE CAPACITOR	CK 0007.7598.00	ROEDERSTEI	KP1830-210 01 1 3 W		
C505	CC 33PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8780.00	VITRAMON	VJ1206 A330F AT		
C506	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
C507	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
C508	CE 10UF+-20%50V RM2,5 ELECTROLYTIC CAPACITOR	CE 0008.7427.00	PHILIPS CO	2222 116 11109		
C509	CC 3,3NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0099.8909.00	VITRAMON	VJ1206 Y 332 KXAT		
C510	CC 15PF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8750.00	VITRAMON	VJ1206 A 150 F FA		
C511	CK 100NF+-5%63VRD2,5H7MKT CAPACITOR	CK 0099.2930.00	WIMA	MKS2		
C512	CK 150NF+-5%63VRD3,5H9MKT CAPACITOR	CK 0099.2946.00	WIMA	MKS2		
C515	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
C516	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
C517	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
C518	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
C519	CE 100UF+-20%25V RM2.5 ELECTOLYTIC CAPACITOR	CE 0008.7891.00	PANASONIC	ECA-1EFG101I		
C520	CC 27PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8409.00	VITRAMON	VJ1206A 270F FA		
C521	CC 8,2PF+-0,25 50VNPO1206 CERAMIC CHIP CAPACITOR	CC 0007.8242.00	VITRAMON	VJ1206 A 8R2 C AT		
C522	CC 1PF+-0,25 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8667.00	VITRAMON	VJ1206A 1R0 CXAT		
C523	CE 2,2UF+-20%50V RD4X5 ELEKTROLYTIC CAPACITOR	0803.0944.00	NATIONAL	ECE-A1HKS-2R2		
D20	BL PC74HCT86T 4X2IN.EXOR EXOR GATE	BL 0007.6291.00	PHILIPS SE	74HCT86D		
D21	BL PC74HCT4094T 8ST.SHREG SHIFT REGISTER	BL 0007.6885.00	PHILIPS-CO	PC74HCT4094T		
D22	BJ DAC8143 1X12B-DAC 12B SERIAL D/A-CONVERTER	1012.9510.00	PMI	DAC8143FS		
D23	BL PC74HCT165T 8B SHREG SHIFT REGISTER	BL 0007.5408.00	PHILIPS SE	74HCT165D		
D30	BJ DAC8143 1X12B-DAC 12B SERIAL D/A-CONVERTER	1012.9510.00	PMI	DAC8143FS		
D31	BL PC74HCT4094T 8ST.SHREG SHIFT REGISTER	BL 0007.6885.00	PHILIPS-CO	PC74HCT4094T		
D32	BJ DAC8143 1X12B-DAC 12B SERIAL D/A-CONVERTER	1012.9510.00	PMI	DAC8143FS		
D40	BJ DAC8143 1X12B-DAC 12B SERIAL D/A-CONVERTER	1012.9510.00	PMI	DAC8143FS		
D41	BL PC74HCT4094T 8ST.SHREG SHIFT REGISTER	BL 0007.6885.00	PHILIPS-CO	PC74HCT4094T		
D50	BL PC74HC132T 4XSCHMITT T QUAD 2-INP NAND SCHMITT	BL 0520.7811.00	PHILIPS SE	74HC132D		
D51	BO MC1595L MULTIPLIER MULTIPLIER	BO 0451.4365.00	MOTOROLA	MC1595L		
K2	SN GEPOLT 2XUM 5V MONOST. RELAY 5V	1030.9360.00	MATSUSHITA	TN2-5V		
N20	BO SE5534AFE LN OPAMP OPERATIONAL AMPLIFIER	BO 0301.3335.00	SIGNETICS	SE5534AFE		
N30	BO SE5534AFE LN OPAMP OPERATIONAL AMPLIFIER	BO 0301.3335.00	SIGNETICS	SE5534AFE		
N31	BO LM339D 4X COMPAR COMPARATOR	BO 0007.3757.00	PHILIPS-CO	LM339D		
N32	BO HA7-5221-5 1XLNOPAMP IC OPAMP	1030.9390.00	HARRIS	HA7-5221-5		
N33	BO LM339D 4X COMPAR COMPARATOR	BO 0007.3757.00	PHILIPS-CO	LM339D		
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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in	
N34	BO SE5534AFE LN OPAMP OPERATIONAL AMPLIFIER	BO 0301.3335.00	SIGNETICS	SE5534AFE		
N35	BO SE5534AFE LN OPAMP OPERATIONAL AMPLIFIER	BO 0301.3335.00	SIGNETICS	SE5534AFE		
N40	BO SE5534AFE LN OPAMP OPERATIONAL AMPLIFIER	BO 0301.3335.00	SIGNETICS	SE5534AFE		
N41	BO LM339D 4X COMPAR COMPARATOR	BO 0007.3757.00	PHILIPS-CO	LM339D		
N42	BO HA7-5221-5 1XLNOPAMP IC OPAMP	1030.9390.00	HARRIS	HA7-5221-5		
N50	BO LM2903D 2XLP COMPAR DUAL	0520.7734.00	SIGNETICS	LM2903D		
N51	BO NE5534D OPAMP OPERATIONAL AMPLIFIER	0815.7555.00	SIGNETICS	NE5534D		
N52	BO LM211D COMPAR COMPARATOR	0007.7869.00	SIGNETICS	LM211D		
N53 ..56	BO TL072ACD 2XFET OPAMP OPERATIONAL AMPLIFIER	0803.1057.00	TEXAS INST	TL 072 ACDR		
P20	VL EINPRESSSTIFT L=6,8 PIN	VL 0010.7250.00	AMP	1-928776-5		
P21	VL EINPRESSSTIFT L=6,8 PIN	VL 0010.7250.00	AMP	1-928776-5		
P30 ..34	VL EINPRESSSTIFT L=6,8 PIN	VL 0010.7250.00	AMP	1-928776-5		
P40	VL EINPRESSSTIFT L=6,8 PIN	VL 0010.7250.00	AMP	1-928776-5		
P53 ..58	VL EINPRESSSTIFT L=6,8 PIN	VL 0010.7250.00	AMP	1-928776-5		
R200	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T		
R201	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T		
R202	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T		
R203	RG 10,0 OHM+-1%TK100 1206 CHIP -RESISTOR	RG 0006.8649.00	DALE	CRCW1206-10 10R F-T		
R204	RG 10,0 OHM+-1%TK100 1206 CHIP -RESISTOR	RG 0006.8649.00	DALE	CRCW1206-10 10R F-T		
R205	RG 10,0 OHM+-1%TK100 1206 CHIP -RESISTOR	RG 0006.8649.00	DALE	CRCW1206-10 10R F-T		
R206 ..212	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	DALE	CRCW1206-10 1K F-T		
R215	RG 47,5 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5566.00	DALE	CRCW1206-10 47R5 F-T		
R300	RL 0,35W5,05KOHM+-0,1%T25 RESISTOR	RL 0084.2497.00	DRALORIC	SMA0207		
R301	RG 511 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.6085.00	DALE	CRCW1206-10 511K F-T		
R302	RL 0,35W10,0KOHM+-0,1%T25 RESISTOR	RL 0084.3064.00	DRALORIC	SMA0207/10K-B-E		
R303	RL 0,35W20,0KOHM+-0,1%T25 RESISTOR	RL 0084.3641.00	DRALORIC	SMA0207/20,0K-B-E		
R304	RL 0,35W38,8KOHM+-0,1%T25 RESISTOR	RL 0084.4190.00	DRALORIC	SMA0207		
R305	RG 1,21KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9968.00	DALE	CRCW1206-10 1K21 F-T		
R306	RL 0,35W41,7KOHM+-0,1%T25 RESISTOR	RL 0084.4254.00	DRALORIC	SMA0207		
R307	RG 1,0MOHM+-1%TK100 1206 CHIP RESISTOR	RG 0815.7532.00	DALE	CRCW1206-10 1M F-T		
R308	RL 0,35W41,7KOHM+-0,1%T25 RESISTOR	RL 0084.4254.00	DRALORIC	SMA0207		
R309	RG 1,0MOHM+-1%TK100 1206 CHIP RESISTOR	RG 0815.7532.00	DALE	CRCW1206-10 1M F-T		
R310	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	DALE	CRCW1206-10 1K F-T		
R311	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	DALE	CRCW1206-10 1K F-T		
R312 ..319	RG 15,0KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5843.00	DALE	CRCW1206-10 15K F-T		
R320	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	DALE	CRCW1206-10 1K F-T		
R321 ..326	RG 100,0KOH+-1%TK100 1206 CHIP RESISTOR	RG 0007.1948.00	DALE	CRCW1206-10 100K F-T		
R327	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T		
MENP 1 296 3PUA		Äi	Datum Date	Schaltteilliste für Parts list for	Sachnummer Stock No.	Blatt-Nr. Page
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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
R328	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R329	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R330	RG 15,0KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5843.00	DALE	CRCW1206-10 15K F-T	
R331	RG 15,0KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5843.00	DALE	CRCW1206-10 15K F-T	
R332	RG 15,0KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5843.00	DALE	CRCW1206-10 15K F-T	
R333	RG 7,5KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0764.00	DALE	CRCW1206-10 7K50 F-T	
R334	RG 7,5KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0764.00	DALE	CRCW1206-10 7K50 F-T	
R335	RG 100,0KOH+-1%TK100 1206 CHIP RESISTOR	RG 0007.1948.00	DALE	CRCW1206-10 100K F-T	
R336	RG 100,0KOH+-1%TK100 1206 CHIP RESISTOR	RG 0007.1948.00	DALE	CRCW1206-10 100K F-T	
R337	RG 3,32KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5789.00	DALE	CRCW1206-10 3K32 F-T	
R338	RG 3,32KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5789.00	DALE	CRCW1206-10 3K32 F-T	
R339	RL 0,35W4,75KOHM+-0,1%T25 RESISTOR	RL 0084.2445.00	DRALORIC	SMA/207/4,75K-B-E	
R340	RL 0,35W4,75KOHM+-0,1%T25 RESISTOR	RL 0084.2445.00	DRALORIC	SMA/207/4,75K-B-E	
R341	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	DALE	CRCW1206-10 1K F-T	
R342	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	DALE	CRCW1206-10 1K F-T	
R343	RG 121,0KOH+-1%TK100 1206 CHIP RESISTOR	RG 0007.1960.00	DALE	CRCW1206-10 121K F-T	
R344	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	DALE	CRCW1206-10 100R F-T	
R345	RG 47,5KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5950.00	DALE	CRCW1206-10 47K5 F-T	
R346	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	DALE	CRCW1206-10 100R F-T	
R347	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	DALE	CRCW1206-10 100R F-T	
R348	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	DALE	CRCW1206-10 100R F-T	
R400	RL 0,35W5,05KOHM+-0,1%T25 RESISTOR	RL 0084.2497.00	DRALORIC	SMA0207	
R401	RG 511 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.6085.00	DALE	CRCW1206-10 511K F-T	
R402	RL 0,35W10,0KOHM+-0,1%T25 RESISTOR	RL 0084.3064.00	DRALORIC	SMA0207/10K-B-E	
R403	RL 0,35W20,0KOHM+-0,1%T25 RESISTOR	RL 0084.3641.00	DRALORIC	SMA0207/20,0K-B-E	
R404	RL 0,35W38,8KOHM+-0,1%T25 RESISTOR	RL 0084.4190.00	DRALORIC	SMA0207	
R405	RG 1,21KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9968.00	DALE	CRCW1206-10 1K21 F-T	
R406	RL 0,35W41,7KOHM+-0,1%T25 RESISTOR	RL 0084.4254.00	DRALORIC	SMA0207	
R407	RG 1,0MOHM+-1%TK100 1206 CHIP RESISTOR	RG 0815.7532.00	DALE	CRCW1206-10 1M F-T	
R408	RL 0,35W41,7KOHM+-0,1%T25 RESISTOR	RL 0084.4254.00	DRALORIC	SMA0207	
R409	RG 1,0MOHM+-1%TK100 1206 CHIP RESISTOR	RG 0815.7532.00	DALE	CRCW1206-10 1M F-T	
R410	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	DALE	CRCW1206-10 1K F-T	
R411	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	DALE	CRCW1206-10 1K F-T	
R412	RG 15,0KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5843.00	DALE	CRCW1206-10 15K F-T	
..419	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	DALE	CRCW1206-10 1K F-T	
R420	RG 100,0KOH+-1%TK100 1206 CHIP RESISTOR	RG 0007.1948.00	DALE	CRCW1206-10 100K F-T	
..426	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R427	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R428	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R429	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in	
R430	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	DALE	CRCW1206-10 100R F-T		
R500	RG 475 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5695.00	DALE	CRCW1206-10 475R F-T		
R501	RG 475 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5695.00	DALE	CRCW1206-10 475R F-T		
R502	RL 0,35W7,68KOHM+-O,1%T25 RESISTOR	RL 0084.2845.00				
R503	RG 4,75KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5820.00	DALE	CRCW1206-10 4K75 F-T		
R504	RG 20,0KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5866.00	DALE	CRCW1206-10 20K F-T		
R505	RL 0,35W4,75KOHM+-O,1%T25 RESISTOR	RL 0084.2445.00	DRALORIC	SMA/207/4,75K-B-E		
R506	RG 15,0KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5843.00	DALE	CRCW1206-10 15K F-T		
R507	RG 15,0KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5843.00	DALE	CRCW1206-10 15K F-T		
R508	RG 274 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5637.00	DALE	CRCW1206-10 274R F-T		
R509	RG 1,5 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5714.00	DALE	CRCW1206-10 1K5 F-T		
R510	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	DALE	CRCW1206-10 100R F-T		
R511	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T		
R512	RG 2,21KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5743.00	DALE	CRCW1206-10 2K21 F-T		
R513	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T		
..516 R517	RG 100,0KOH+-1%TK100 1206 CHIP RESISTOR	RG 0007.1948.00	DALE	CRCW1206-10 100K F-T		
R518	RG 2,21KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5743.00	DALE	CRCW1206-10 2K21 F-T		
..521 R522	RG 22,1 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5489.00	DALE	CRW1206-10 22R1 F-T		
R523	RG 20,0KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5866.00	DALE	CRCW1206-10 20K F-T		
R524	RG 2,0 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5737.00	DALE	CRCW1206-10 2K F-T		
R525	RG 2,43KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5750.00	DALE	CRCW1206-10 2K43 F-T		
R526	RG 1,62KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9997.00	DALE	CRCW1206-10 1K62 F-T		
R527	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	DALE	CRCW1206-10 1K F-T		
R528	RG 5,62KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0007.0735.00	DALE	CRCW1206-10 5K62 F-T		
R529	RG 7,5KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0764.00	DALE	CRCW1206-10 7K50 F-T		
R530	RG 2,21KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5743.00	DALE	CRCW1206-10 2K21 F-T		
R531	RG 2,21KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5743.00	DALE	CRCW1206-10 2K21 F-T		
R532	RG 3,92KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5808.00	DALE	CRCW1206-10 3K92 F-T		
R533	RG 3,92KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5808.00	DALE	CRCW1206-10 3K92 F-T		
R534	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T		
R535	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T		
R536	RG 47,5KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5950.00	DALE	CRCW1206-10 47K5 F-T		
R537	RG 562 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9068.00	DALE	CRCW1206-10 562R F-T		
R538	RG 33,2KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5914.00	DALE	CRCW1206-10 33K2 F-T		
R539	RG 2,74KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5766.00	DALE	CRCW1206-10 2K74 F-T		
R540	RG 2,74KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5766.00	DALE	CRCW1206-10 2K74 F-T		
R541	RG 4,75KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5820.00	DALE	CRCW1206-10 4K75 F-T		
R542	RG 475 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5695.00	DALE	CRCW1206-10 475R F-T		
R543	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	DALE	CRCW1206-10 100R F-T		
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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
V20	AD BAS32 75V UDI DIODE	AD 0006.7288.00	PHILIPS-CO	BAS32	
V21	AK BC850B N 45V 200MA TRANSISTOR	AK 0007.7969.00	PHILIPS-CO	BC850B	
V300 ..303	AK BC860B P 45V 200MA TRANSISTOR	AK 0007.7975.00	MOTOROLA	BC860B LT1	
V304	AM J105 N-D 25V JFET JFET SWITCH	1030.9377.00	SILICONIX	J105	
V305	AM SST108 N-D 25V JFET JFET TRANSISTOR	6007.3949.00	SILICONIX	SST108	
V306	AM BSR56 N-D 40V JFET FET	AM 0007.3111.00	PHILIPS-CO	BSR56	
V307	AM BSR56 N-D 40V JFET FET	AM 0007.3111.00	PHILIPS-CO	BSR56	
V308	AM 2N5432 N-D 25V JFET FET	AM 0296.8700.00	SILICONIX	2N5432	
V309	AM 2N5432 N-D 25V JFET FET	AM 0296.8700.00	SILICONIX	2N5432	
V310	AM 2N5432 N-D 25V JFET FET	AM 0296.8700.00	SILICONIX	2N5432	
V311	AD BAV70 70V DUO UDI DUAL DIODE COMMON CATHODE	0007.9278.00	PHILIPS-CO	BAV70	
V312	AD BAV70 70V DUO UDI DUAL DIODE COMMON CATHODE	0007.9278.00	PHILIPS-CO	BAV70	
V313	AD BAV70 70V DUO UDI DUAL DIODE COMMON CATHODE	0007.9278.00	PHILIPS-CO	BAV70	
V314	AD BAV99 70V DUO UDI DIODE	AD 0911.0092.00	PHILIPS-CO	BAV99	
V315	AK BC860B P 45V 200MA TRANSISTOR	AK 0007.7975.00	MOTOROLA	BC860B LT1	
V316	AK BC850B N 45V 200MA TRANSISTOR	AK 0007.7969.00	PHILIPS-CO	BC850B	
V400 ..403	AK BC860B P 45V 200MA TRANSISTOR	AK 0007.7975.00	MOTOROLA	BC860B LT1	
V404	AM J105 N-D 25V JFET JFET SWITCH	1030.9377.00	SILICONIX	J105	
V405	AM SST108 N-D 25V JFET JFET TRANSISTOR	6007.3949.00	SILICONIX	SST108	
V406	AM BSR56 N-D 40V JFET FET	AM 0007.3111.00	PHILIPS-CO	BSR56	
V407	AM BSR56 N-D 40V JFET FET	AM 0007.3111.00	PHILIPS-CO	BSR56	
V408	AM 2N5432 N-D 25V JFET FET	AM 0296.8700.00	SILICONIX	2N5432	
V409	AM 2N5432 N-D 25V JFET FET	AM 0296.8700.00	SILICONIX	2N5432	
V410	AM 2N5432 N-D 25V JFET FET	AM 0296.8700.00	SILICONIX	2N5432	
V500	AE 1N827 6,2V REF DI REFERENCE DIODE	AE 0418.0029.00	COMPENSATE	1N827	
V501	AD BAS32 75V UDI DIODE	AD 0006.7288.00	PHILIPS-CO	BAS32	
V502	AM BSR56 N-D 40V JFET FET	AM 0007.3111.00	PHILIPS-CO	BSR56	
V503	AM BSR56 N-D 40V JFET FET	AM 0007.3111.00	PHILIPS-CO	BSR56	
V504	AM 2N4856A N-D 40V JFET FET	0262.4082.00	MOTOROLA		
V505	AK BC850B N 45V 200MA TRANSISTOR	AK 0007.7969.00	PHILIPS-CO	BC850B	
V506	AK BC850B N 45V 200MA TRANSISTOR	AK 0007.7969.00	PHILIPS-CO	BC850B	
V507	AK BC860B P 45V 200MA TRANSISTOR	AK 0007.7975.00	MOTOROLA	BC860B LT1	
V508	AK BC860B P 45V 200MA TRANSISTOR	AK 0007.7975.00	MOTOROLA	BC860B LT1	
V509	AD BAS32 75V UDI DIODE	AD 0006.7288.00	PHILIPS-CO	BAS32	
V510	AM 2N4092 N-D 40V JFET FET	AM 0010.8791.00	INTERSIL	2N4092	
V511	AD BAV70 70V DUO UDI DUAL DIODE COMMON CATHODE	0007.9278.00	PHILIPS-CO	BAV70	
V512	AM 2N4856A N-D 40V JFET FET	0262.4082.00	MOTOROLA		
V513	AD BAV99 70V DUO UDI DIODE	AD 0911.0092.00	PHILIPS-CO	BAV99	
V514	AD BAV99 70V DUO UDI DIODE	AD 0911.0092.00	PHILIPS-CO	BAV99	
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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
V515	AD BAV99 70V DUO UDI DIODE	AD 0911.0092.00	PHILIPS-CO	BAV99	
V516	AE BZX55/B7V5 0,5W ZDI ZENER DIODE	AE 0349.3041.00	PHILIPS-CO	BZX79/B7V5	
V537	AD BAS32 75V UDI DIODE	AD 0006.7288.00	PHILIPS-CO	BAS32	
X1	FP STECKERLEISTE 32P.KURZ CONNECTOR 32P.	FP 0008.5724.00	PANDUIT	100-332-033B	
X2	FP STIFTFLEISTE 36P.R2,54 PIN CONNECTOR	FP 0242.3600.00	BINDER	742-11-0179-00-36	
X3	3-POLIG/3 PINS FP STIFTFLEISTE 36P.R2,54 PIN CONNECTOR	FP 0242.3600.00	BINDER	742-11-0179-00-36	
X4	6-POLIG/6 PINS FP STIFTFLEISTE 36P.R2,54 PIN CONNECTOR	FP 0242.3600.00	BINDER	742-11-0179-00-36	
X50	6-POLIG/6 PINS FP STIFTFLEISTE 36P.R2,54 PIN CONNECTOR	FP 0242.3600.00	BINDER	742-11-0179-00-36	
X51	3-POLIG/3 PINS FP STIFTFLEISTE 36P.R2,54 PIN CONNECTOR	FP 0242.3600.00	BINDER	742-11-0179-00-36	
X52	3-POLIG/3 PINS FP STIFTFLEISTE 36P.R2,54 PIN CONNECTOR	FP 0242.3600.00	BINDER	742-11-0179-00-36	
	3-POLIG/3 PINS				
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