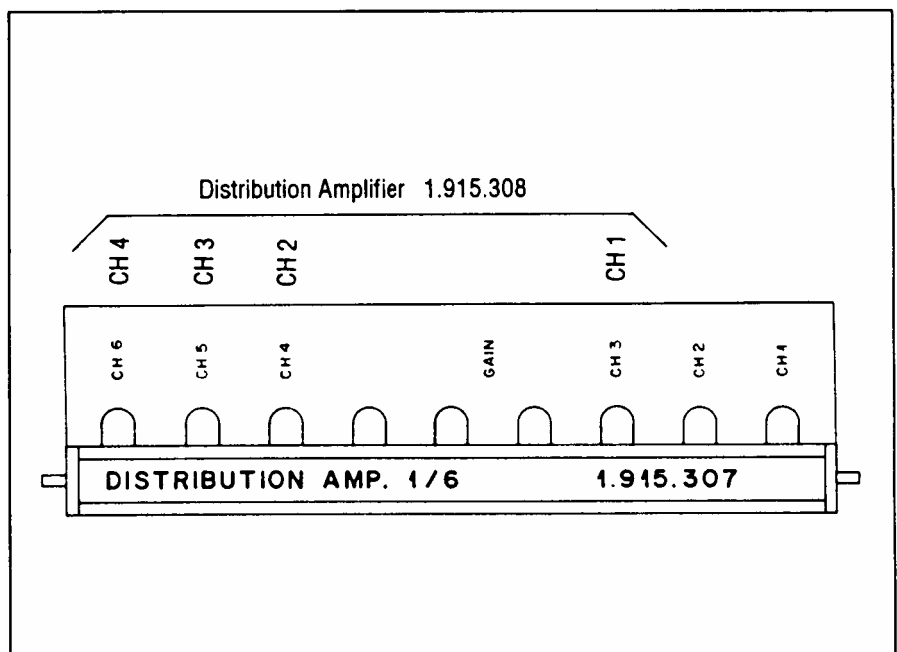
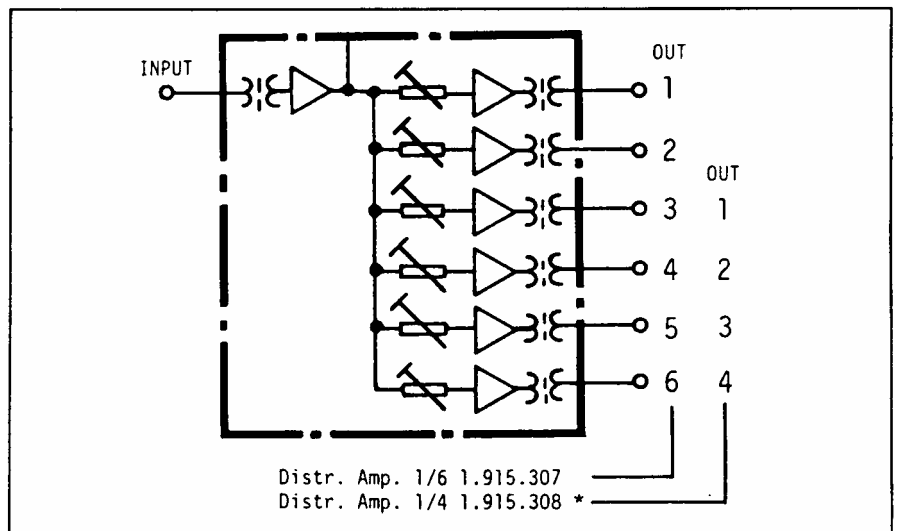


Distribution Amplifier

1.915.307/308

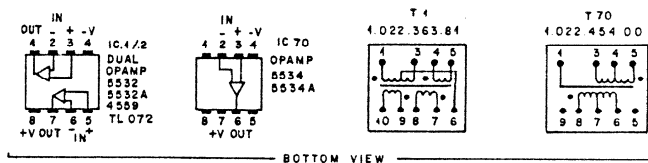
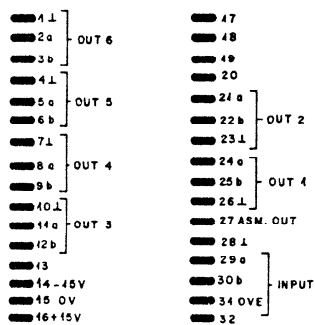
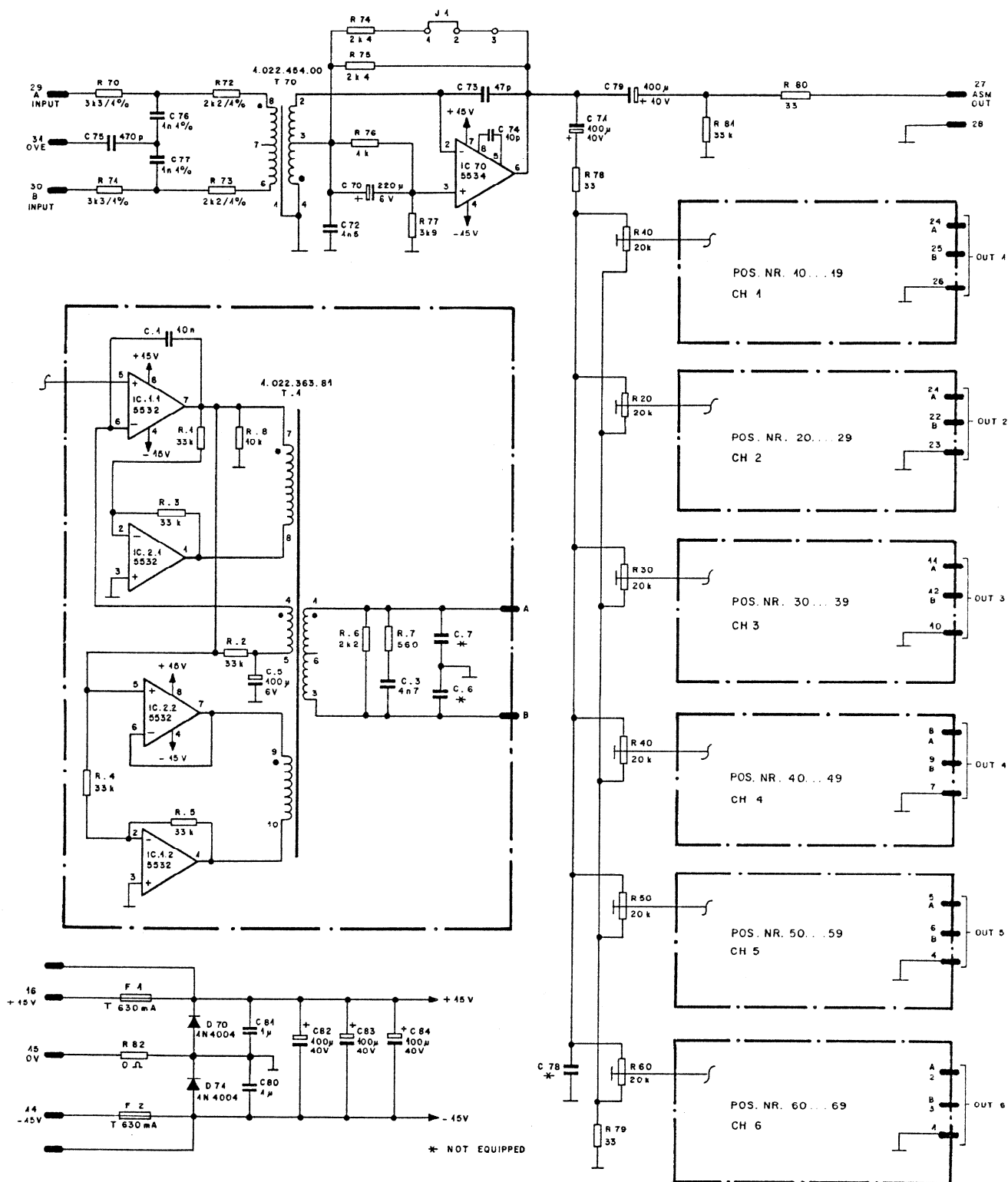
The distribution amplifier cards offer splitting of one input to four or six individually adjustable outputs (versions 1.915.308 or 1.915.307, respectively). The input and all outputs are transformer-balanced and floating. These cards satisfy any complex requirement of signal routing and distribution.



Technical Specifications

General:	Frequency range	31.5 Hz...16 kHz
	Frequency response	+0.2/-0.5 dB , $R_L = 300\ \Omega$
Input:		balanced and floating
	Impedance	$\geq 10\ k\Omega$
	Symmetry	$\geq 60\ dB$
	Gain, adjustable	-20...+10 dB (Jumper 2-3: +6 dB Gain)
Outputs:		balanced and floating
	Impedance	$\leq 40\ \Omega$
	Maximum level	+24 dBu , $R_L = 600\ \Omega$ /THD < 1%
		+21 dBu , $R_L = 200\ \Omega$ /THD < 1%
	THD	$\leq 0.02\%$, +6 dBu/300 Ω
	Output noise voltage	-100 dBu , 0 dB gain
Supply:		$\pm 15\ V_{DC}$ (90 mA, all outputs +6 dBu, without load; 180 mA, all outputs +24 dBu into 300 Ω)
Dimensions:	Euro-card	100 × 160 mm, 7 M units wide
	Weight	500 g (1.915.308) 600 g (1.915.307)
Ordering Information:		
Euro-cards:	<ul style="list-style-type: none">• Distribution amplifier 1 to 6• Distribution amplifier 1 to 4	1.915.307.xx 1.915.308.xx
19"/1U standard products:	<ul style="list-style-type: none">• Distribution unit 2 × 1 in/4 out on XLR• Distribution unit 3 × 1 in/4 out on XLR• Distribution unit 2 × 1 in/6 out on XLR	75.700.89301 75.700.89302 75.700.89303

DISTRIBUTION AMPLIFIER



- BOTTOM VIEW

① 24.11.93 <i>fe</i>		① 12.4.94 <i>we</i>		○	○	○
STUDER REGENSDORF ZÜRICH		DISTRIBUTION AMP. 1/6			SC 1.915.307-81	

DISTRIBUTION AMPLIFIER

Ad .POS. .REF.No. DESCRIPTION MANUFACTURER

01	C....11	59.06.0222	2.2 nF	not used	PE	
	C....12	59.34.2470	47 pF		CER	
	C....13	59.06.0472	4.7 nF		PE	
	C....14	59.34.2470	47 pF		CER	
	C....15	59.22.3101	100 uF		ALU	10V
	C....16	59.32.1680	68 pF		CER	400V
	C....17	.	.	not used		
01	C....21	59.06.0222	2.2 nF	not used	PE	
	C....22	59.34.2470	47 pF		CER	
	C....23	59.06.0472	4.7 nF		PE	
	C....24	59.34.2470	47 pF		CER	
	C....25	59.22.3101	100 uF		ALU	10V
	C....26	59.32.1680	68 pF		CER	400V
	C....27	.	.	not used		
01	C....31	59.06.0222	2.2 nF	not used	PE	
	C....32	59.34.2470	47 pF		CER	
	C....33	59.06.0472	4.7 nF		PE	
	C....34	59.34.2470	47 pF		CER	
	C....35	59.22.3101	100 uF		ALU	10V
	C....36	59.32.1680	68 pF		CER	400V
	C....37	.	.	not used		
01	C....41	59.06.0222	2.2 nF	not used	PE	
	C....42	59.34.2470	47 pF		CER	
	C....43	59.06.0472	4.7 nF		PE	
	C....44	59.34.2470	47 pF		CER	
	C....45	59.22.3101	100 uF		ALU	10V
	C....46	59.32.1680	68 pF		CER	400V
	C....47	.	.	not used		
01	C....51	59.06.0222	2.2 nF	not used	PE	
	C....52	59.34.2470	47 pF		CER	
	C....53	59.06.0472	4.7 nF		PE	
	C....54	59.34.2470	47 pF		CER	
	C....55	59.22.3101	100 uF		ALU	10V
	C....56	59.32.1680	68 pF		CER	400V
	C....57	.	.	not used		
01	C....61	59.06.0222	2.2 nF	not used	PE	
	C....62	59.34.2470	47 pF		CER	
	C....63	59.06.0472	4.7 nF		PE	
	C....64	59.34.2470	47 pF		CER	
	C....65	59.22.3101	100 uF		ALU	10V
	C....66	59.32.1680	68 pF		CER	400V
	C....67	.	.	not used		
	C....70	59.22.4221	220 uF		ALU	6V
	C....71	59.22.4101	100 uF		ALU	10V
	C....72	59.06.0152	1.5 nF		CER	
	C....73	59.34.2470	47 pF		CER	
	C....74	59.34.4100	10 pF		CER	
	C....75	59.34.5471	470 pF		CER	
	C....76	59.05.1102	1 nF	1%		
	C....77	59.05.1102	1 nF	1%		
	C....79	59.22.4101	100 uF		ALU	10V
	C....80	59.06.5105	1 uF		PE	
	C....81	59.06.5105	1 uF		PE	
	C....82	59.25.5101	100 uF		40V	
	C....83	59.25.5101	100 uF		40V	
	C....84	59.25.5101	100 uF		40V	
D....70	50.04.0105	1N4004				
D....71	50.04.0105	1N4004				
F....1	51.01.0115	T 630mA /250V 5*20				
F....2	51.01.0115	T 630mA /250V 5*20				
IC...11	50.09.0106	NE5532AN	dual op. amp.		Ra,NE	
IC...12	50.09.0106	NE5532AN	dual op. amp.		Ra,NE	
IC...21	50.09.0106	NE5532AN	dual op. amp.		Ra,NE	
IC...22	50.09.0106	NE5532AN	dual op. amp.		Ra,NE	
IC...31	50.09.0106	NE5532AN	dual op. amp.		Ra,NE	
IC...32	50.09.0106	NE5532AN	dual op. amp.		Ra,NE	
IC...41	50.09.0106	NE5532AN	dual op. amp.		Ra,NE	
IC...42	50.09.0106	NE5532AN	dual op. amp.		Ra,NE	
IC...51	50.09.0106	NE5532AN	dual op. amp.		Ra,NE	
IC...52	50.09.0106	NE5532AN	dual op. amp.		Ra,NE	
IC...61	50.09.0106	NE5532AN	dual op. amp.		Ra,NE	
IC...62	50.09.0106	NE5532AN	dual op. amp.		Ra,NE	
IC...70	50.05.0244	NE5534AN	single op. amp.		Ra,NE	
JP....1	54.01.0021	JUMPER JACK				
JS....1	54.01.0020	JUMPER PLUG 3-PIN				
MP....1	53.03.0142	4 pcs Fuse holder				
MP....2	1.915.307.02	1 pcs Abdeckwinkel				
MP....3	1.915.307.05	1 pcs Kueblblech				
MP....4	1.022.400.03	1 pcs Isolation T 70				
R....10	58.01.9203	20 kOhm	10% 0.5 W	PMG trimming resistor		

Ad .POS. .REF.No. DESCRIPTION MANUFACTURER

R....11	57.11.4333	33 kOhm	5%	0.25W	MF	
R....12	57.11.4333	33 kOhm	5%	0.25W	MF	
R....13	57.11.4333	33 kOhm	5%	0.25W	MF	
R....14	57.11.4333	33 kOhm	5%	0.25W	MF	
R....15	57.11.4333	33 kOhm	5%	0.25W	MF	
R....16	57.11.4222	2.2 kOhm	5%	0.25W	MF	
R....17	57.11.4102	1 kOhm	5%	0.25W	MF	
R....18	57.11.4103	10 kOhm	5%	0.25W	MF	
R....20	58.01.9203	20 kOhm	10%	0.5 W	PMG trimming resistor	
R....21	57.11.4333	33 kOhm	5%	0.25W	MF	
R....22	57.11.4333	33 kOhm	5%	0.25W	MF	
R....23	57.11.4333	33 kOhm	5%	0.25W	MF	
R....24	57.11.4333	33 kOhm	5%	0.25W	MF	
R....25	57.11.4333	33 kOhm	5%	0.25W	MF	
R....26	57.11.4222	2.2 kOhm	5%	0.25W	MF	
R....27	57.11.4102	1 kOhm	5%	0.25W	MF	
R....28	57.11.4103	10 kOhm	5%	0.25W	MF	
R....30	58.01.9203	20 kOhm	10%	0.5 W	PMG trimming resistor	
R....31	57.11.4333	33 kOhm	5%	0.25W	MF	
R....32	57.11.4333	33 kOhm	5%	0.25W	MF	
R....33	57.11.4333	33 kOhm	5%	0.25W	MF	
R....34	57.11.4333	33 kOhm	5%	0.25W	MF	
R....35	57.11.4333	33 kOhm	5%	0.25W	MF	
R....36	57.11.4222	2.2 kOhm	5%	0.25W	MF	
R....37	57.11.4102	1 kOhm	5%	0.25W	MF	
R....38	57.11.4103	10 kOhm	5%	0.25W	MF	
R....40	58.01.9203	20 kOhm	10%	0.5 W	PMG trimming resistor	
R....41	57.11.4333	33 kOhm	5%	0.25W	MF	
R....42	57.11.4333	33 kOhm	5%	0.25W	MF	
R....43	57.11.4333	33 kOhm	5%	0.25W	MF	
R....44	57.11.4333	33 kOhm	5%	0.25W	MF	
R....45	57.11.4333	33 kOhm	5%	0.25W	MF	
R....46	57.11.4222	2.2 kOhm	5%	0.25W	MF	
R....47	57.11.4102	1 kOhm	5%	0.25W	MF	
R....48	57.11.4103	10 kOhm	5%	0.25W	MF	
R....50	58.01.9203	20 kOhm	10%	0.5 W	PMG trimming resistor	
R....51	57.11.4333	33 kOhm	5%	0.25W	MF	
R....52	57.11.4333	33 kOhm	5%	0.25W	MF	
R....53	57.11.4333	33 kOhm	5%	0.25W	MF	
R....54	57.11.4333	33 kOhm	5%	0.25W	MF	
R....55	57.11.4333	33 kOhm	5%	0.25W	MF	
R....56	57.11.4222	2.2 kOhm	5%	0.25W	MF	
R....57	57.11.4102	1 kOhm	5%	0.25W	MF	
R....58	57.11.4103	10 kOhm	5%	0.25W	MF	
R....60	58.01.9203	20 kOhm	10%	0.5 W	PMG trimming resistor	
R....61	57.11.4333	33 kOhm	5%	0.25W	MF	
R....62	57.11.4333	33 kOhm	5%	0.25W	MF	
R....63	57.11.4333	33 kOhm	5%	0.25W	MF	
R....64	57.11.4333	33 kOhm	5%	0.25W	MF	
R....65	57.11.4333	33 kOhm	5%	0.25W	MF	
R....66	57.11.4222	2.2 kOhm	5%	0.25W	MF	
R....67	57.11.4102	1 kOhm	5%	0.25W	MF	
R....68	57.11.4103	10 kOhm	5%	0.25W	MF	
R....70	57.11.3332	3.3 kOhm	1%	0.25W	MF	
R....71	57.11.3332	3.3 kOhm	1%	0.25W	MF	
R....72	57.11.3222	2.2 kOhm	1%	0.25W	MF	
R....73	57.11.3222	2.2 kOhm	1%	0.25W	MF	
R....74	57.11.3242	2.4 kOhm	1%	0.25W	MF	
R....75	57.11.3242	2.4 kOhm	1%	0.25W	MF	
R....76	57.11.4102	1 kOhm	5%	0.25W	MF	
R....77	57.11.4392	3.9 kOhm	5%	0.25W	MF	
R....78	57.11.4330	33 Ohm	5%	0.25W	MF	
R....79	57.11.4330	33 Ohm	5%	0.25W	MF	
R....80	57.11.4330	33 Ohm	5%	0.25W	MF	
R....81	57.11.4333	33 kOhm	5%	0.25W	MF	
R....82	57.11.4000	0 Ohm	5%	0.25W	MF	
T....10	1.022.363.00				output trafo	
T....20	1.022.363.00				output trafo	
T....30	1.022.363.00				output trafo	
T....40	1.022.363.00				output trafo	
T....50	1.022.363.00				output trafo	
T....60	1.022.363.00				output trafo	
T....70	1.022.454.00				input trafo	

END

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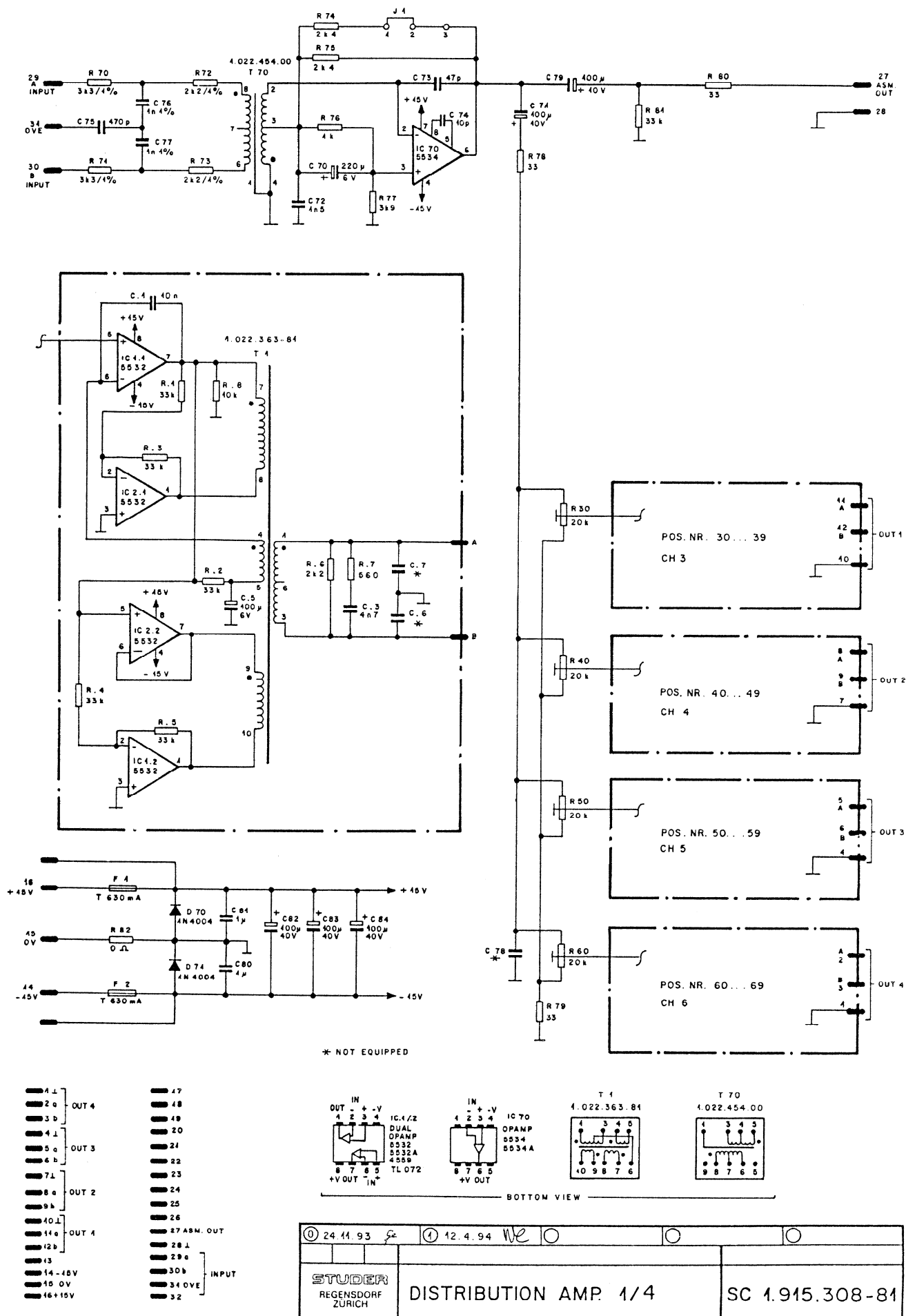
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DISTRIBUTION AMPLIFIER



DISTRIBUTION AMPLIFIER

Ad ..POS.. ..REF.No... DESCRIPTION.....MANUFACTURER

01	C....31	..	not used		
	C....31	59.06.0222	2.2 nF	PE	
	C....32	59.34.2470	47 pF	CER	
	C....33	59.06.0472	4.7 nF	PE	
	C....34	59.34.2470	47 pF	CER	
	C....35	59.22.3101	100 uF	ALU 10V	
	C....36	59.32.1680	68 pF	CER 400V	
	C....37	..	not used		
01	C....41	..	not used		
	C....41	59.06.0222	2.2 nF	PE	
	C....42	59.34.2470	47 pF	CER	
	C....43	59.06.0472	4.7 nF	PE	
	C....44	59.34.2470	47 pF	CER	
	C....45	59.22.3101	100 uF	ALU 10V	
	C....46	59.32.1680	68 pF	CER 400V	
	C....47	..	not used		
01	C....51	..	not used		
	C....51	59.06.0222	2.2 nF	PE	
	C....52	59.34.2470	47 pF	CER	
	C....53	59.06.0472	4.7 nF	PE	
	C....54	59.34.2470	47 pF	CER	
	C....55	59.22.3101	100 uF	ALU 10V	
	C....56	59.32.1680	68 pF	CER 400V	
	C....57	..	not used		
01	C....61	..	not used		
	C....61	59.06.0222	2.2 nF	PE	
	C....62	59.34.2470	47 pF	CER	
	C....63	59.06.0472	4.7 nF	PE	
	C....64	59.34.2470	47 pF	CER	
	C....65	59.22.3101	100 uF	ALU 10V	
	C....66	59.32.1680	68 pF	CER 400V	
	C....67	..	not used		
	C....70	59.22.4221	220 uF	ALU 6V	
	C....71	59.22.4101	100 uF	ALU 10V	
	C....72	59.06.0152	1.5 nF	CER	
	C....73	59.34.2470	47 pF	CER	
	C....74	59.34.4100	10 pF	CER	
	C....75	59.34.5471	470 pF	CER	
	C....76	59.05.1102	1 nF	1%	
	C....77	59.05.1102	1 nF	1%	
	C....79	59.22.4101	100 uF	ALU 10V	
	C....80	59.06.5105	1 uF	PE	
	C....81	59.06.5105	1 uF	PE	
	C....82	59.25.5101	100 uF	40V	
	C....83	59.25.5101	100 uF	40V	
	C....84	59.25.5101	100 uF	40V	
	D....70	50.04.0105	1N4004		
	D....71	50.04.0105	1N4004		
	F....1	51.01.0115	T 630mA /250V 5*20		
	F....2	51.01.0115	T 630mA /250V 5*20		
	IC....31	50.09.0106	NE5532AN	dual op. amp.	Ra,NE
	IC....32	50.09.0106	NE5532AN	dual op. amp.	Ra,NE
	IC....41	50.09.0106	NE5532AN	dual op. amp.	Ra,NE
	IC....42	50.09.0106	NE5532AN	dual op. amp.	Ra,NE
	IC....51	50.09.0106	NE5532AN	dual op. amp.	Ra,NE
	IC....52	50.09.0106	NE5532AN	dual op. amp.	Ra,NE
	IC....61	50.09.0106	NE5532AN	dual op. amp.	Ra,NE
	IC....62	50.09.0106	NE5532AN	dual op. amp.	Ra,NE
	IC....70	50.05.0244	NE5534AN	single op.amp.	Ra,NE
	JP....1	54.01.0021	JUMPER JACK		
	JS....1	54.01.0020	JUMPER PLUG 3-PIN		
	MP....1	53.03.0142	4 pcs Fuse holder		
	MP....2	1.915.307.02	1 pcs Abdeckwinkel		
	MP....3	1.915.307.05	1 pcs Kueblech		
	MP....4	1.022.400.03	1 pcs Isolation T 70		
	R....30	58.01.9203	20 kOhm	10% 0.5 W	PMG trimming resistor
	R....31	57.11.4333	33 kOhm	5% 0.25W	MF
	R....32	57.11.4333	33 kOhm	5% 0.25W	MF
	R....33	57.11.4333	33 kOhm	5% 0.25W	MF
	R....34	57.11.4333	33 kOhm	5% 0.25W	MF
	R....35	57.11.4333	33 kOhm	5% 0.25W	MF
	R....36	57.11.4222	2.2 kOhm	5% 0.25W	MF
	R....37	57.11.4102	1 kOhm	5% 0.25W	MF
	R....38	57.11.4103	10 kOhm	5% 0.25W	MF
	R....40	58.01.9203	20 kOhm	10% 0.5 W	PMG trimming resistor
	R....41	57.11.4333	33 kOhm	5% 0.25W	MF
	R....42	57.11.4333	33 kOhm	5% 0.25W	MF
	R....43	57.11.4333	33 kOhm	5% 0.25W	MF
	R....44	57.11.4333	33 kOhm	5% 0.25W	MF
	R....45	57.11.4333	33 kOhm	5% 0.25W	MF
	R....46	57.11.4222	2.2 kOhm	5% 0.25W	MF
	R....47	57.11.4102	1 kOhm	5% 0.25W	MF
	R....48	57.11.4103	10 kOhm	5% 0.25W	MF
	R....50	58.01.9203	20 kOhm	10% 0.5 W	PMG trimming resistor
	R....51	57.11.4333	33 kOhm	5% 0.25W	MF
	R....52	57.11.4333	33 kOhm	5% 0.25W	MF
	R....53	57.11.4333	33 kOhm	5% 0.25W	MF
	R....54	57.11.4333	33 kOhm	5% 0.25W	MF
	R....55	57.11.4333	33 kOhm	5% 0.25W	MF

Ad ..POS.. ..REF.No... DESCRIPTION.....MANUFACTURER

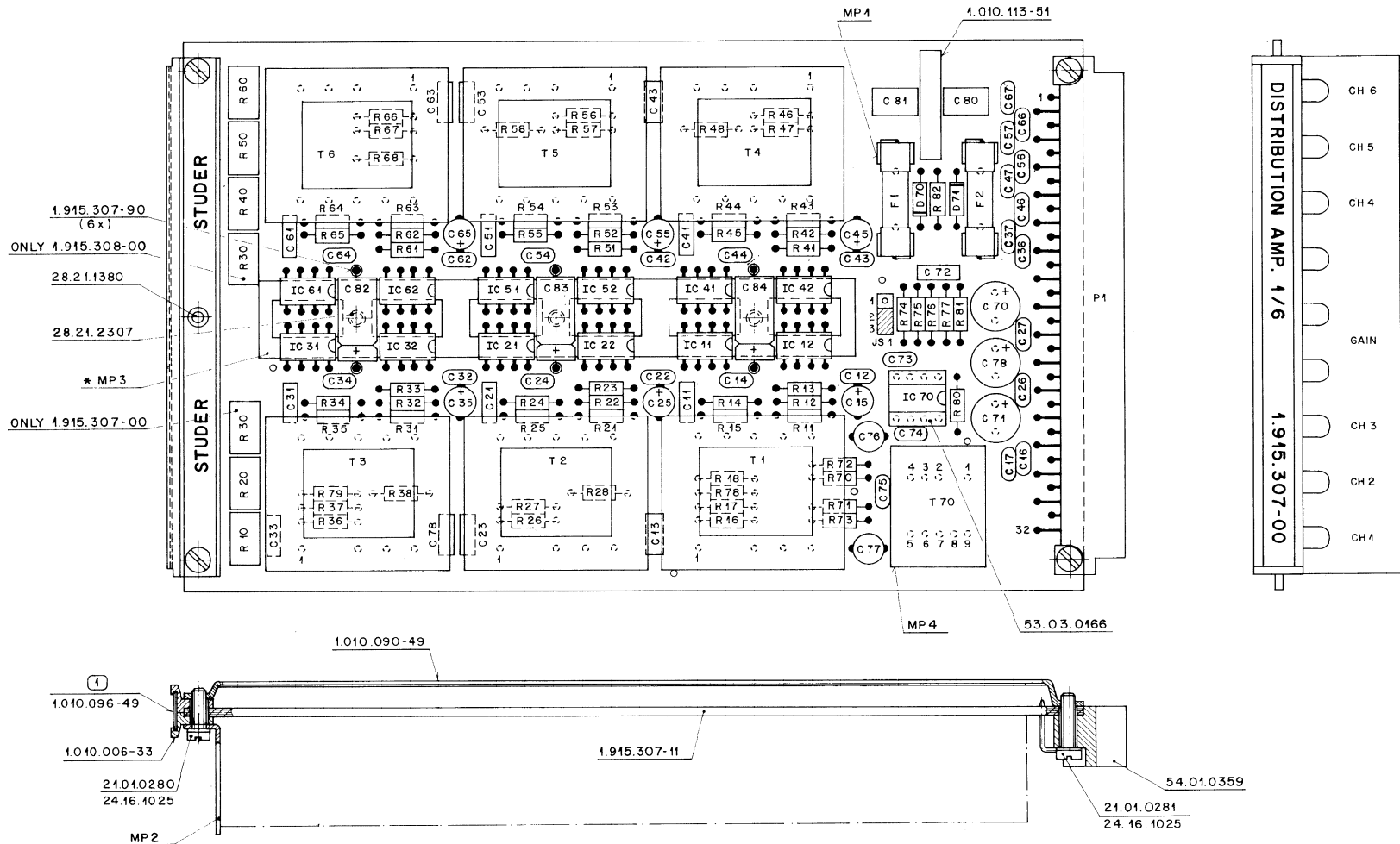
	R....56	57.11.4222	2.2 kOhm	5% 0.25W	MF
	R....57	57.11.4102	1 kOhm	5% 0.25W	MF
	R....58	57.11.4103	10 kOhm	5% 0.25W	MF
	R....60	58.01.9203	20 kOhm	10% 0.5 W	PMG trimming resistor
	R....61	57.11.4333	33 kOhm	5% 0.25W	MF
	R....62	57.11.4333	33 kOhm	5% 0.25W	MF
	R....63	57.11.4333	33 kOhm	5% 0.25W	MF
	R....64	57.11.4333	33 kOhm	5% 0.25W	MF
	R....65	57.11.4333	33 kOhm	5% 0.25W	MF
	R....66	57.11.4222	2.2 kOhm	5% 0.25W	MF
	R....67	57.11.4102	1 kOhm	5% 0.25W	MF
	R....68	57.11.4103	10 kOhm	5% 0.25W	MF
	R....70	57.11.3332	3.3 kOhm	1% 0.25W	MF
	R....71	57.11.3332	3.3 kOhm	1% 0.25W	MF
	R....72	57.11.3222	2.2 kOhm	1% 0.25W	MF
	R....73	57.11.3222	2.2 kOhm	1% 0.25W	MF
	R....74	57.11.3242	2.4 kOhm	1% 0.25W	MF
	R....75	57.11.3242	2.4 kOhm	1% 0.25W	MF
	R....76	57.11.4102	1 kOhm	5% 0.25W	MF
	R....77	57.11.4392	3.9 kOhm	5% 0.25W	MF
	R....78	57.11.4330	33 Ohm	5% 0.25W	MF
	R....79	57.11.4330	33 Ohm	5% 0.25W	MF
	R....80	57.11.4330	33 Ohm	5% 0.25W	MF
	R....81	57.11.4333	33 kOhm	5% 0.25W	MF
	R....82	57.11.4000	0 Ohm	5% 0.25W	MF
	T....30	1.022.363.00			output trafo
	T....40	1.022.363.00			output trafo
	T....50	1.022.363.00			output trafo
	T....60	1.022.363.00			output trafo
	T....70	1.022.454.00			input trafo

CER=Ceramic, PE=Polyester, SAL=Solid Aluminium
MF=Metal Film, PMG=CermetMANUFACTURER: Ex=Exar, NE=NEC, Ph=Philips, Ra=Raytheon,
Sig=Signetics, St=Studer,

1.915.308.00 DISTRIBUTION AMP.1/4 SE 87/09/0400

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Norm Nr.	Güte	Änderung	③
DIN-Bez.	Beh.		②
Abmessung			①
Zugehörige Unterlagen	Freimasstoleranz	Maßstab	19.8.87 A.Ho. Se ①
PL, IL		2:1	Datum Gez Gepr Ges Index
Ersatz für	Ersetzt durch	Kopie für	
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