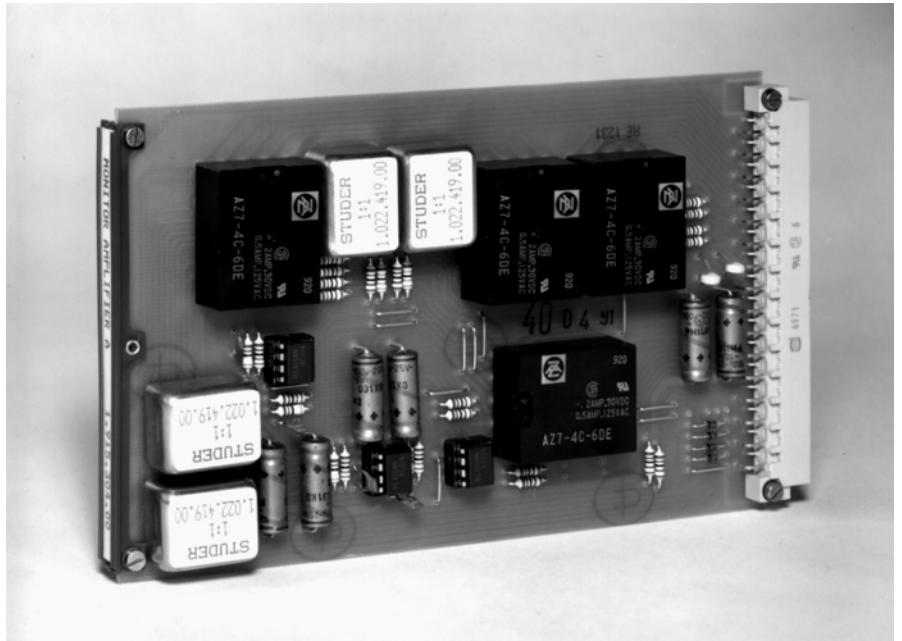


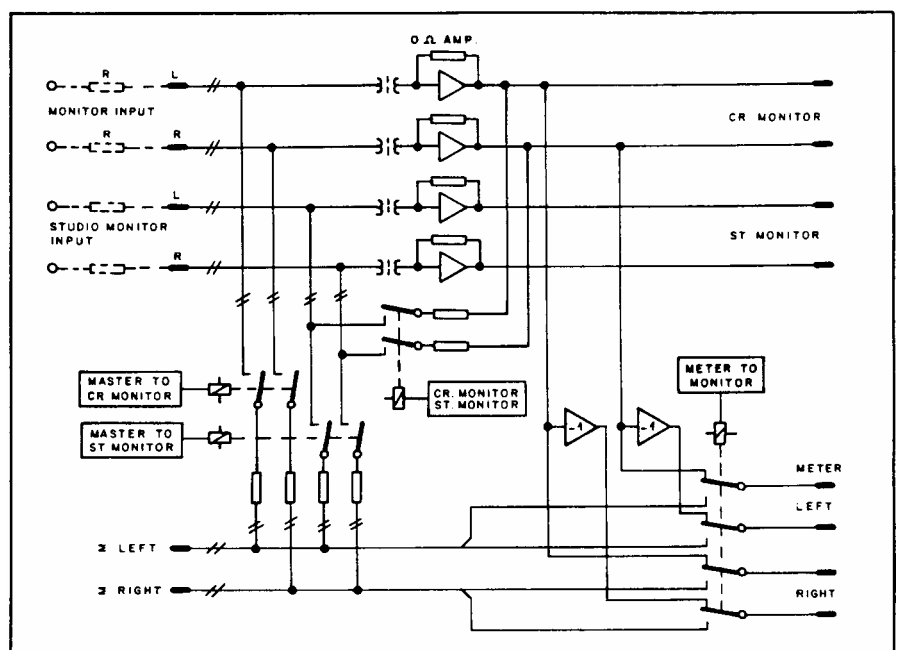
## Monitor Amplifier and Switching Relays (Studio/CR)

1.915.304

The circuit on this Euro-card is designed to form part of an audio monitoring system. The card is narrower than most others, i.e., 4 M units only. It contains four amplifiers, each presenting a 0- $\Omega$  input impedance, two metering amplifiers, and four relays for audio switching.



Two stereo signal inputs from a combination of sources (with suitable isolation resistors at the output of each source) can thus be summed for Control Room (CR) and Studio Monitoring, for example. In addition, the signal from the stereo master can be assigned to either monitor line and, if needed, CR monitoring and studio monitoring can be paralleled. A further circuit permits switchover of level meters from the master bus to the CR monitor line. The relays are designed for 6 V<sub>DC</sub> operation.



Technical Specifications

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**Inputs:** **balanced and floating** (for CR monitor and studio monitor)  
Impedance **> 10 k $\Omega$**   
Maximum level **+24 dBu**

**Outputs:** **unbalanced** (for CR monitor and studio monitor)  
Impedance **< 3  $\Omega$**   
Maximum level **+20 dBu** into 1 k $\Omega$   
Maximum load **1 k $\Omega$**

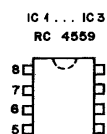
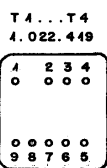
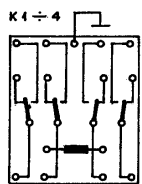
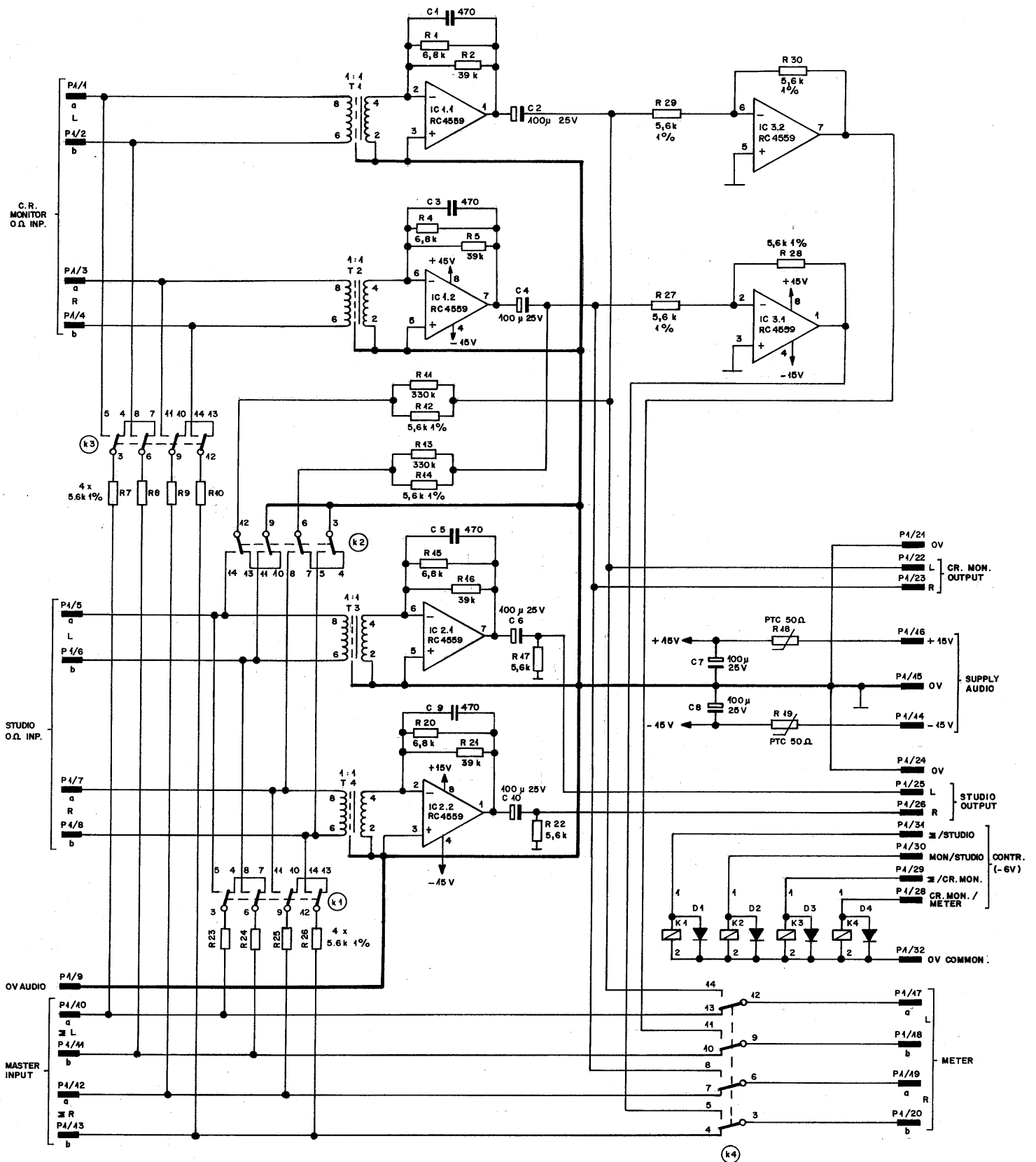
**Meter outputs:** **push-pull**  
Maximum level **+24 dBu**  
Frequency response  **$\pm 0.5$  dB, 30 Hz...16 kHz**  
THD **< 0.1%, @ +6 dBu input, 30 Hz...16 kHz**  
S/N **105 dB, 20 Hz...23 kHz**

**Supply:**  **$\pm 15$  V (20 mA)**

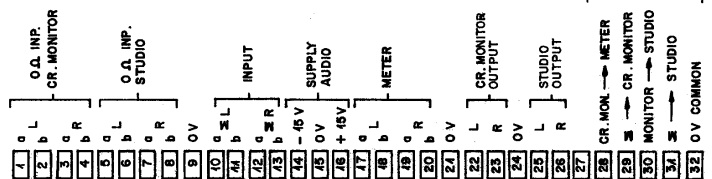
**Dimensions:** Euro-card **100  $\times$  160 mm, 4M units wide (19 mm)**  
Connector system **DIN 41612, type B**  
Weight **approx. 270 g**

**Ordering Information:** Monitor amplifier and switching relay

1.915.304.xx

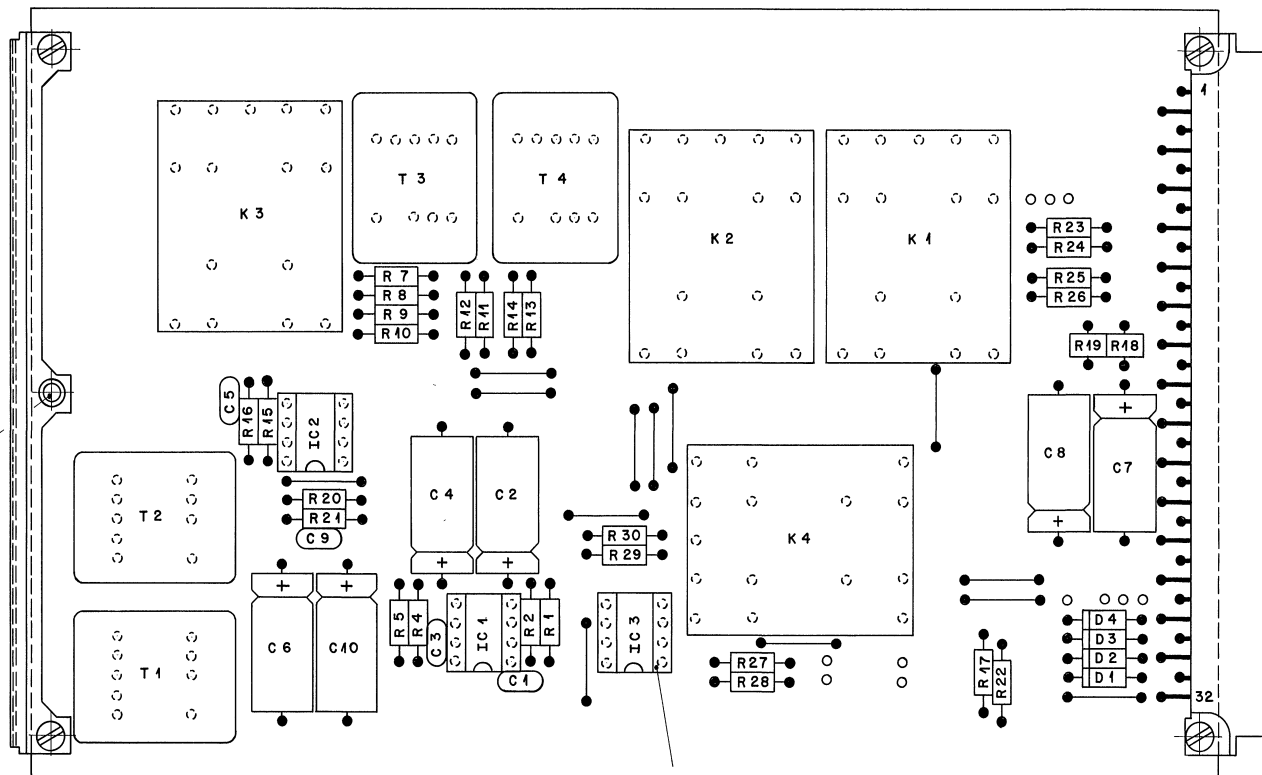


BOTTOM VIEW



DATE:	20.11.81				
SIGN:	<i>[Signature]</i>				
STUDER REGENSDORF ZÜRICH	MONITOR AMPLIFIER A				SC. 1.915.304

28.24.4380



53.03.0166 (3x)

1.010.006-33

1.010.090-49

1.010.096-49  
1.915.304-01

21.01.0280 (2x)  
24.16.1025 (2x)

1.915.304-11

54.01.0359

21.01.0281 (2x)  
24.16.1025 (2x)

MONITOR AMPLIFIER A  
1.915.304-00

STUDER  
REGENSDORF  
ZÜRICH

Benennung:  
Monitor Amplifier A

Änderung					(3)
					(2)
4.4.84	A.Ho	/	/	/	(1)
8.10.81	Ho	/	/	/	(0)
Datum	Gez.	Gepr.	Ges.	Index	
Kopie für:					
Nummer:	1.915.304-00				

## Monitor Amp 1.915.304.00 ( 0)

Page: 1 of 1

Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 C 1	59.32.4471	1 pce	470p	CER , 20%, 50V
0 C 2	59.25.4101	1 pce	100u	EL 25V 20% axial
0 C 3	59.32.4471	1 pce	470p	CER , 20%, 50V
0 C 4	59.25.4101	1 pce	100u	EL 25V 20% axial
0 C 5	59.32.4471	1 pce	470p	CER , 20%, 50V
0 C 6	59.25.4101	1 pce	100u	EL 25V 20% axial
0 C 7	59.25.4101	1 pce	100u	EL 25V 20% axial
0 C 8	59.25.4101	1 pce	100u	EL 25V 20% axial
0 C 9	59.32.4471	1 pce	470p	CER , 20%, 50V
0 C 10	59.25.4101	1 pce	100u	EL 25V 20% axial
0 D 1	50.04.0125	1 pce	1N4448	75V, 150mA, 4ns, DO-35
0 D 2	50.04.0125	1 pce	1N4448	75V, 150mA, 4ns, DO-35
0 D 3	50.04.0125	1 pce	1N4448	75V, 150mA, 4ns, DO-35
0 D 4	50.04.0125	1 pce	1N4448	75V, 150mA, 4ns, DO-35
0 IC 1	50.09.0107	1 pce	4559	Dual Op-Amp
0 IC 2	50.09.0107	1 pce	4559	Dual Op-Amp
0 IC 3	50.09.0107	1 pce	4559	Dual Op-Amp
0 K 1	56.04.0146	1 pce	4*u	6V, 220V/2A, PCB
0 K 2	56.04.0146	1 pce	4*u	6V, 220V/2A, PCB
0 K 3	56.04.0146	1 pce	4*u	6V, 220V/2A, PCB
0 K 4	56.04.0146	1 pce	4*u	6V, 220V/2A, PCB
0 R 1	57.11.3682	1 pce	6k8	MF, 1%, 0207
0 R 2	57.11.3393	1 pce	39k	MF, 1%, 0207
0 R 4	57.11.3682	1 pce	6k8	MF, 1%, 0207
0 R 5	57.11.3393	1 pce	39k	MF, 1%, 0207
0 R 7	57.11.3562	1 pce	5k6	MF, 1%, 0207
0 R 8	57.11.3562	1 pce	5k6	MF, 1%, 0207
0 R 9	57.11.3562	1 pce	5k6	MF, 1%, 0207
0 R 10	57.11.3562	1 pce	5k6	MF, 1%, 0207
0 R 11	57.11.3334	1 pce	330k	MF, 1%, 0207
0 R 12	57.11.3562	1 pce	5k6	MF, 1%, 0207
0 R 13	57.11.3334	1 pce	330k	MF, 1%, 0207
0 R 14	57.11.3562	1 pce	5k6	MF, 1%, 0207
0 R 15	57.11.3682	1 pce	6k8	MF, 1%, 0207
0 R 16	57.11.3393	1 pce	39k	MF, 1%, 0207
0 R 17	57.11.3562	1 pce	5k6	MF, 1%, 0207
0 R 18	57.99.0206	1 pce	50R	PTC, 25V, 0.5W
0 R 19	57.99.0206	1 pce	50R	PTC, 25V, 0.5W
0 R 20	57.11.3682	1 pce	6k8	MF, 1%, 0207
0 R 21	57.11.3393	1 pce	39k	MF, 1%, 0207
0 R 22	57.11.3562	1 pce	5k6	MF, 1%, 0207
0 R 23	57.11.3562	1 pce	5k6	MF, 1%, 0207
0 R 24	57.11.3562	1 pce	5k6	MF, 1%, 0207
0 R 25	57.11.3562	1 pce	5k6	MF, 1%, 0207
0 R 26	57.11.3562	1 pce	5k6	MF, 1%, 0207
0 R 27	57.11.3562	1 pce	5k6	MF, 1%, 0207
0 R 28	57.11.3562	1 pce	5k6	MF, 1%, 0207
0 R 29	57.11.3562	1 pce	5k6	MF, 1%, 0207
0 R 30	57.11.3562	1 pce	5k6	MF, 1%, 0207
0 T 1	1.022.419.00	1 pce		EINGANGSTRAFO 1:1
0 T 2	1.022.419.00	1 pce		EINGANGSTRAFO 1:1
0 T 3	1.022.419.00	1 pce		EINGANGSTRAFO 1:1
0 T 4	1.022.419.00	1 pce		EINGANGSTRAFO 1:1

End of List

Comments: