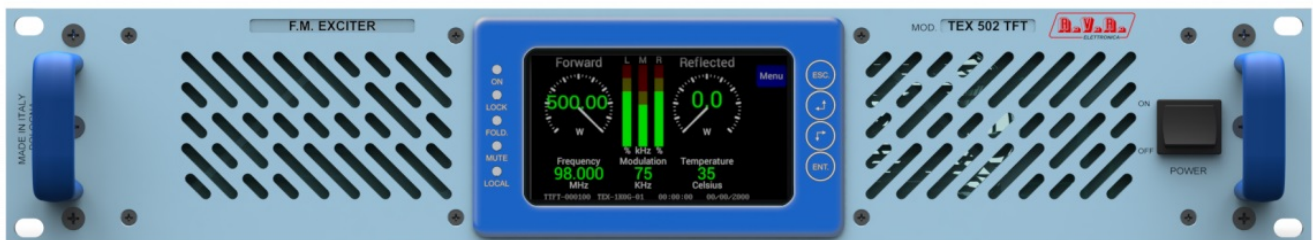




R V R ELETTRONICA AUDIGIN-TFT FM Transmitters Broadcast Systems User Manual

[Home](#) » [R V R ELETTRONICA](#) » R V R ELETTRONICA AUDIGIN-TFT FM Transmitters Broadcast Systems User Manual 

R V R ELETTRONICA AUDIGIN-TFT FM Transmitters Broadcast Systems



Contents

- 1 Introduction
 - 1.1 Main Highlights
- 2 AUDIGIN-TFT Option
- 3 Technical Annex
 - 3.1 AES/EBU Audio Card – SLAU0415R02V01
 - 3.2 15kHz audio filter & AES/EBU card – SLAU0469R01V01
- 4 Documents / Resources
- 5 Related Posts

Introduction

Main Highlights

- The card allows to TEX-TFT excites the integration into those systems that use digital audio distribution. It is located on rear panel of the TEX-TFT and is internally connected to the audio motherboard using a 10-pin flat connector.
- The card allows the conversion of digital signal into “Left” and “Right” analog signals and then to deliver it to the

modulator.

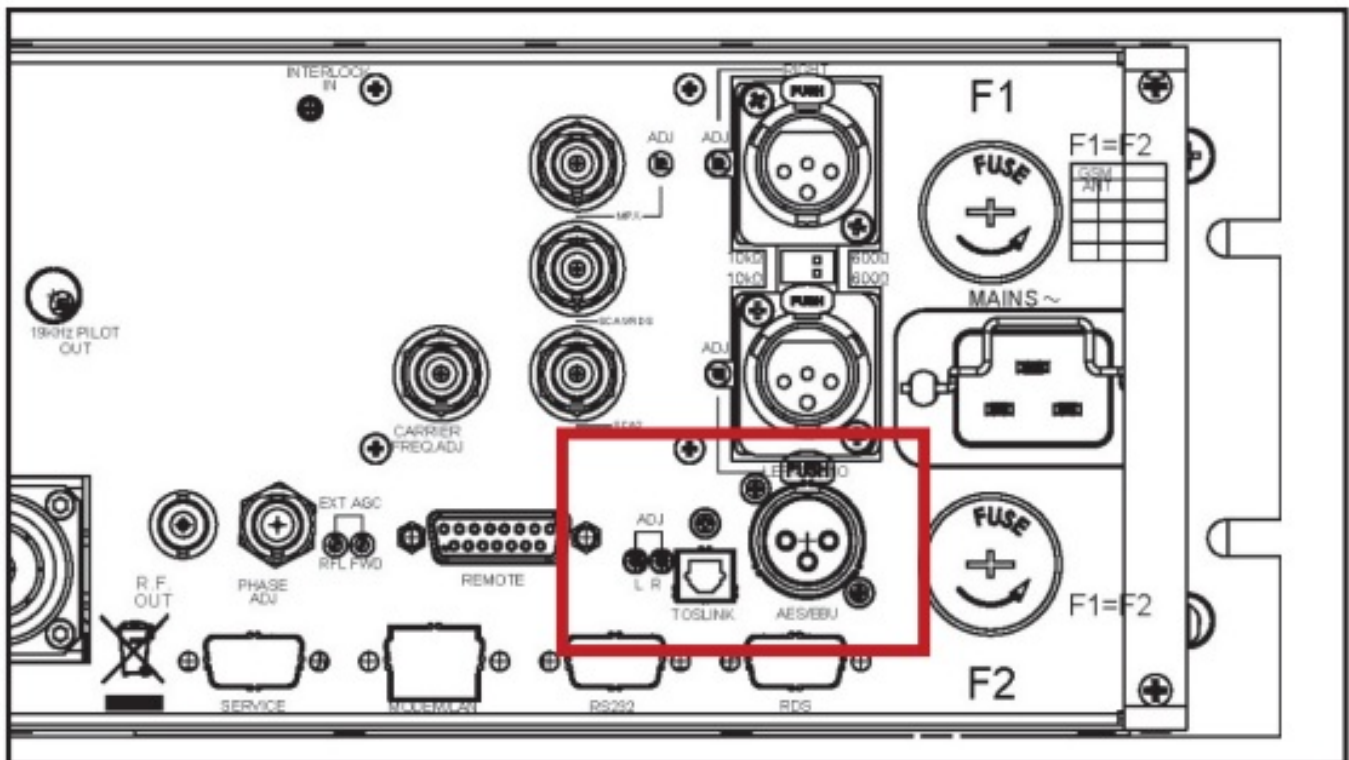
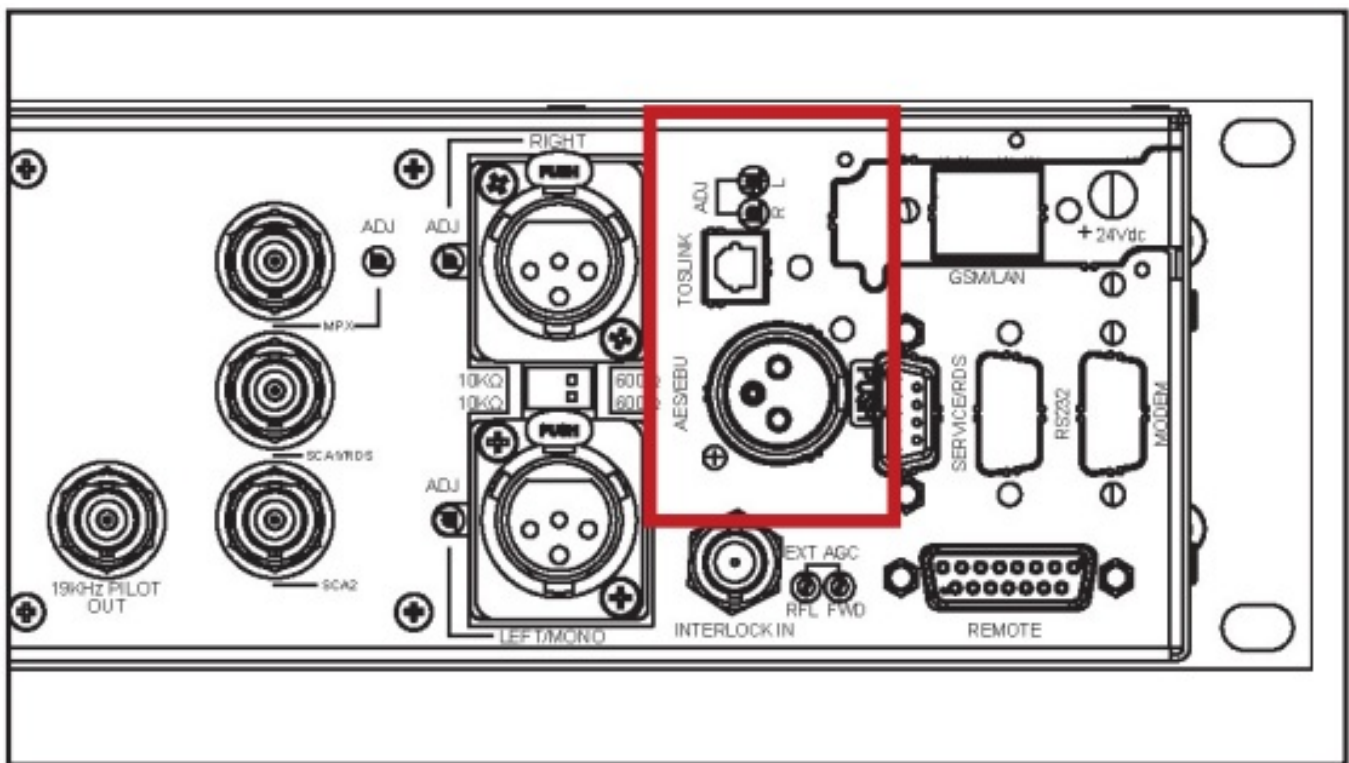
- This card can be added without requiring any special adjustments to the typical analog audio input section; by updating it there is no need to change the exciter firmware.
- The system provides for twelve cyclical queries that allow you to immediately find the active channel and put it on the air.

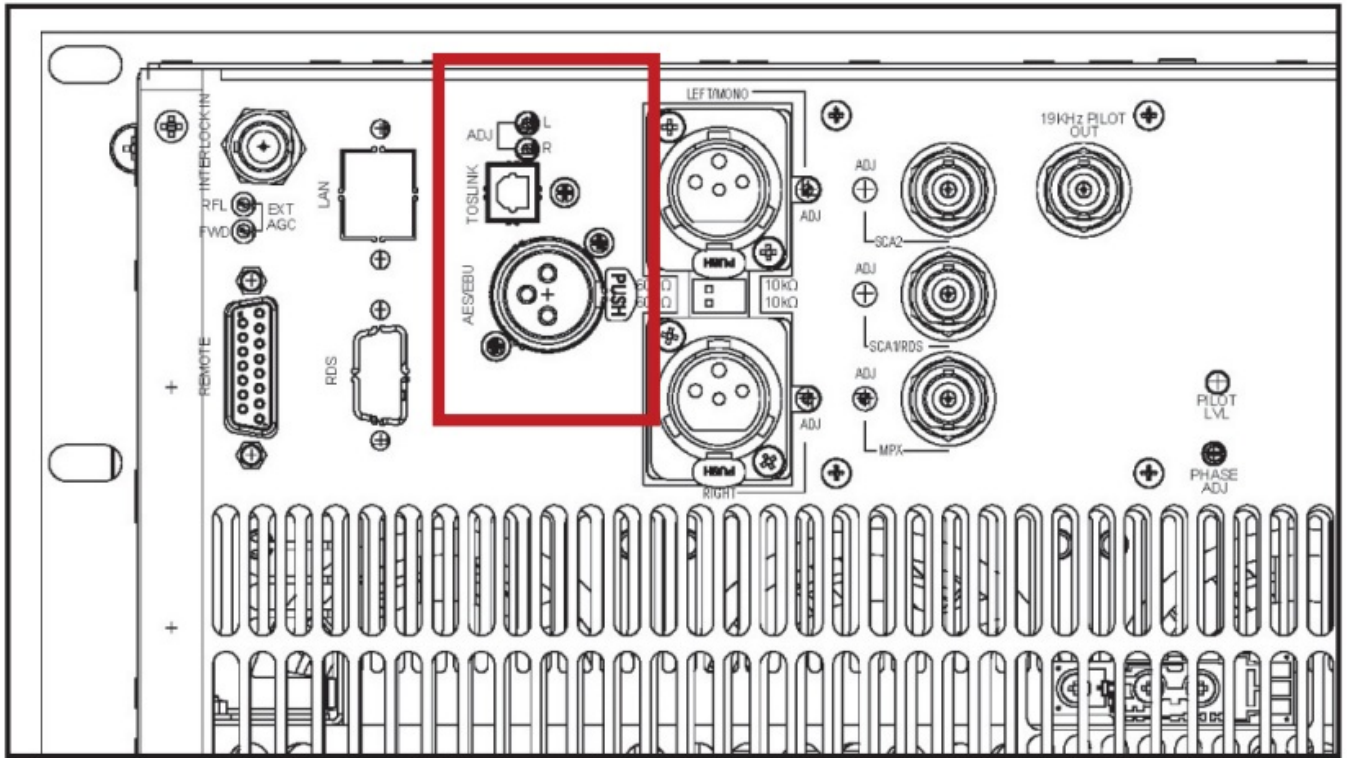
If a digital input is present, then it is automatically selected by the included

logic. The automatic exchange takes place to select the digital input between balanced (AES/EBU) or optical (TOSLINK).

- Through the two trimmers it is possible to adjust the converted digital input level, to normalize the R and L signals with respect to the adjusted level for the analog input.
- The D/A conversion is performed automatically by 24-bit converters using a sampling frequency from 32 to 96 KHz.
- This card supports S/PDIF, AES/EBU, IEC958 and EIAJ CP340/1201 data formats.

AUDIGIN-TFT Option





Digital Input

Type: TOS-LINK Female



Left (MONO) / Right

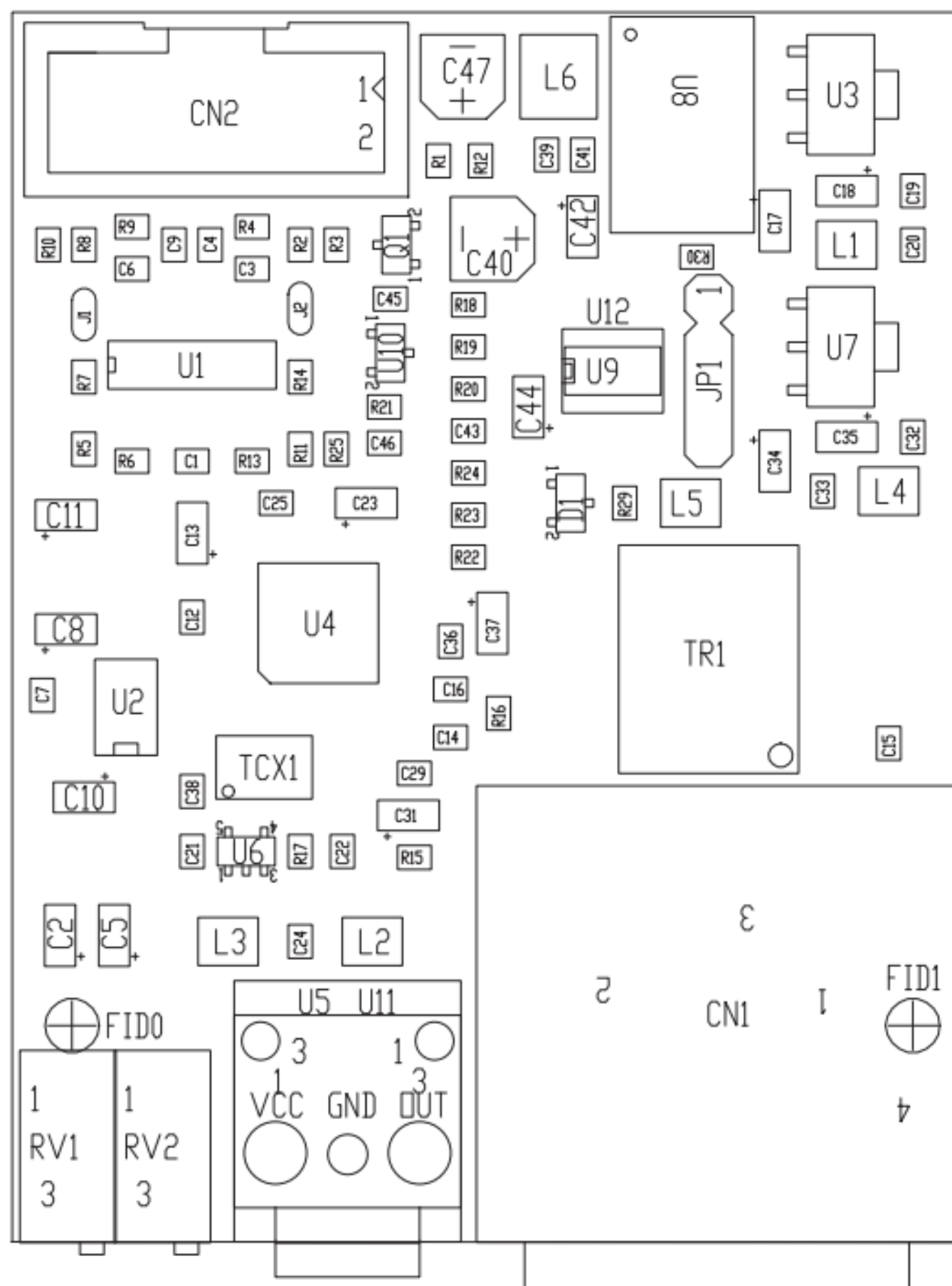
Type: XLR Female

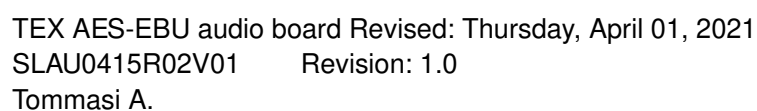


- 1 GND
- 2 Positive
- 3 Negative

Technical Annex

AES/EBU Audio Card – SLAU0415R02V01



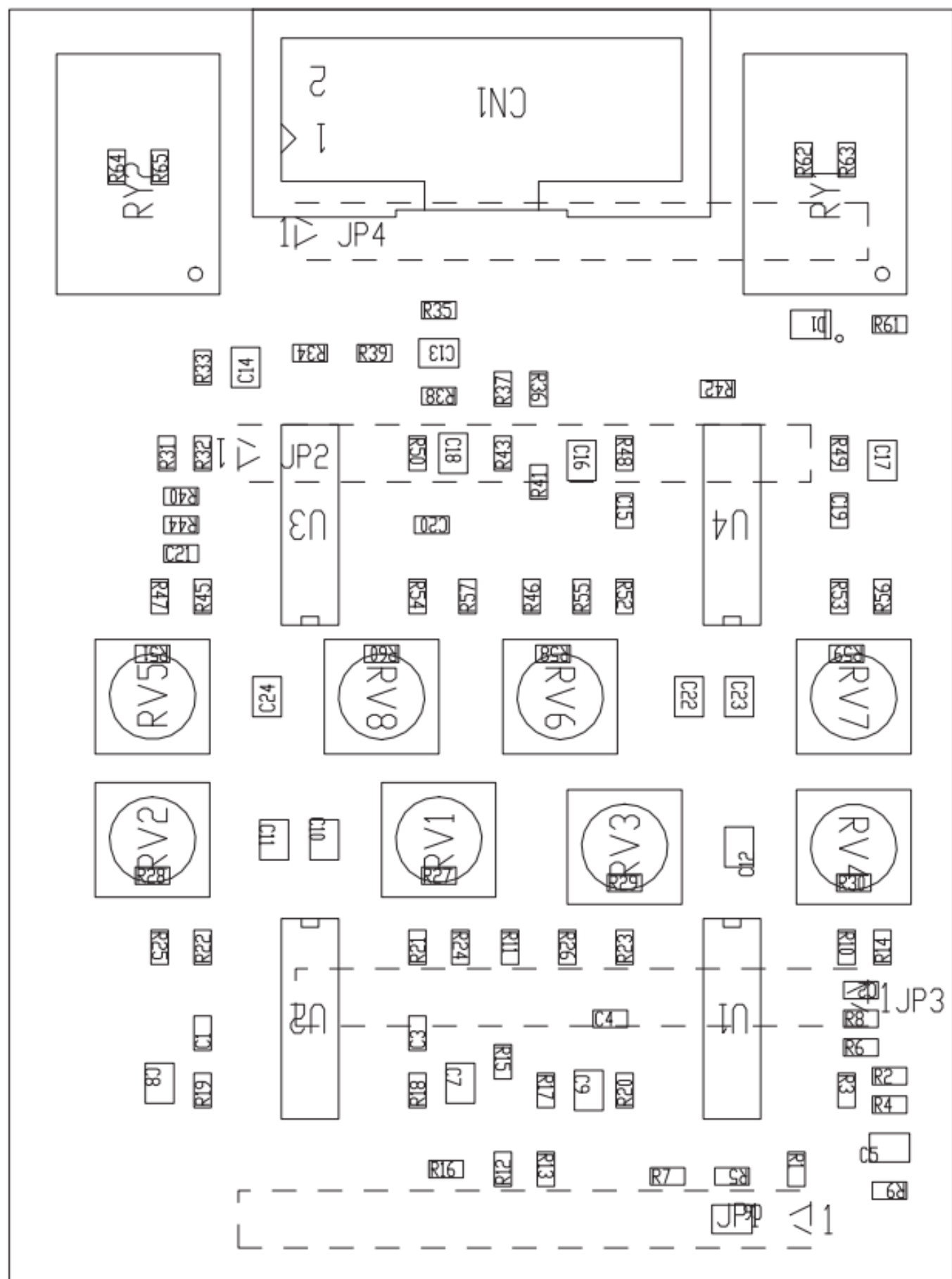


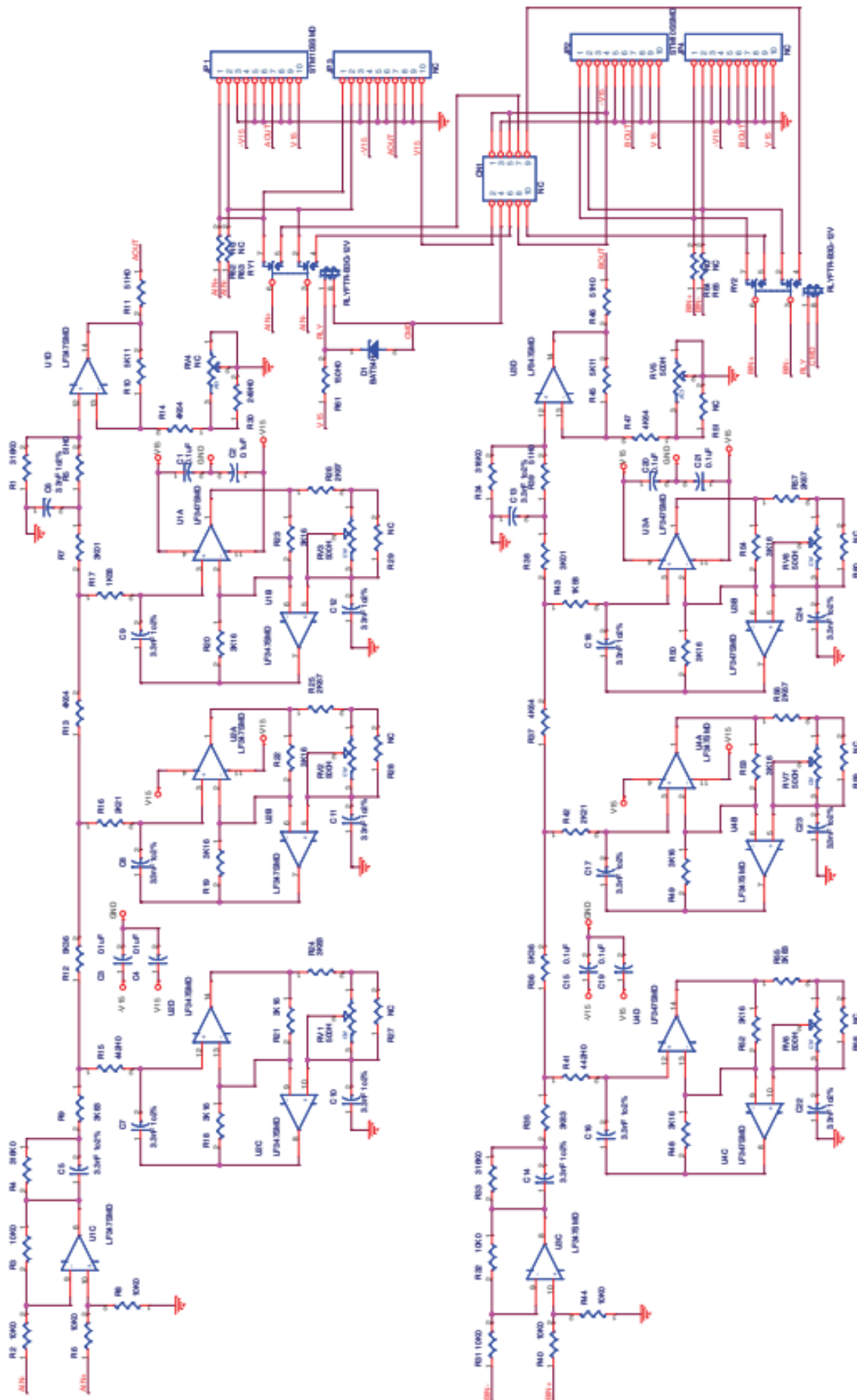
Item	Quantity	Reference	Part	Description
1	1	CN1	XLRFNC3H	Connettore XLR NC3 femm. cs 90°
2	1	CN1	CN10PD	Connettore 10 poli Flat cs
3	1	CN1	CSAU0415R2	Circuito stampato
4	22	C1, C7, C12, C14, C15, C16, C19, C20, C21, C22, C24, C25, C29, C32, C33, C36, C38, C39, C41, C43, C45, C46	0.1uF	Cond. SMD 0805
5	15	C2, C5, C8, C10, C11, C13, C17, C18, C23, C31, C34, C35, C37, C42, C44	10uF/10V	Cond. Elett. SMD tant. size A
6	2	C3, C6	150pF	Cond. SMD 0805 COG
7	2	C4,C9	1nf/ 2%	Cond.SMD 0805 COG
8	1	C40	10u F/1 6V	Cond . Ele t t. SMD d. 4mm
9	1	C47	10uf / 35V	Cond. Elett.SMD d. 4mm
10	1	01	BAV70	Doppio Oiodo SMD SOT23
11	1	JPI	NC	Strip maschio 4 pin
12	2	,J1 J2	JSMO	Pad SMO a saldare
13	2	J3,J4	JSMOC	Pad SMD a saldare chiuso
14	2	L1 , L4	2 .2 uH	Induttanza SMO 3225 (1210)
15	2	L2, LS	47uH	Induttanza SMD 3225 (1210)
16	1	L3	NC	Induttanza SMO 3225 (1210)

17	1	L6	I OuF	SMD Vertical Ind. WE PD2 series
18	1	Qt	BCR13S	Trans./ Res. NPN SOT23
19	2	RV1 , RV2	I OK	Trimmer Rg H 3296X
20	4	RI, R3, RIO, R12	22HO	Res. SMO 08051%
21	4	R2, RS, R, 8 RI I	I SKO	Res.SMO 08051%
22	2	R, 4 R9	22K6	Res . SMO 08051%
23	3	R, 6 R13, R29	4 K70	Res.SMD 08051%
24	6	R, 7 RI 4, R22, R2, 3 R24, R2S	2K20	Res . SMD 08051%
25	1	R15	4 H7	Res.SMO 08051%
26	1	R16	II OHO	Res . SMD 08051%
27	1	R17	OHO	Res. SMO 08051%
28	4	R18 , RI 9, R20 , R21	I KO	Res . SMO 08051%
29	1	R30	I OKO	Res. SMD 08051%
30	1	TCXI	1 2M288	OSC SMO Sx3.2mm
31	1	TRI	TRFAES	Transf. SMO AES/EBU
32	1	UI	TL074SMD	Quad Op. SMD 5014
33	1	U2	PCM1781	Stereo DAC

34	1	U3	LM1117-1.8	Stab. SMD SOT223
35	1	U4	SRC4382	2 ch SRC DIR DIT
36	1	us	T ORX GPI F AV	Ricevitore d igita le ott ico
37	1	U6	NC	Leve l t ransla tor
38	1	U7	LM1117-3.3	Stab. SMO SOT223
39	1	U8	TSRI-2450	Switching SIP3 regu lator
40	1	U9	NC	PIC Microproces.sor SMO
41	1	UIO	TPS3809	uP supplysupervisor
42	1	UII	NC	Ricevitore d igita le ot tico
43	1	U12	PIC12CS08/S O	PIC MicroprocessorSMO

15kHz audio filter & AES/EBU card – SLAU0469R01V01





C51
Capacitor

Item	Quantity	Reference	Part	Description	Code	
1	1	CN1	NC	Conn. 10 poli Flat cs		
2	1	CN1	CSAU0469R1	Circuito stampato	CSAU0469R	
3	8	Cl, C2, C3,C4, C15,C19, C20, C21	O.I uF	Cond.SMD 0603	CCC063104KXC	
4	16	CS, C6, C7, C8, C9,C10, Cl,I Cl 2, Cl,3 Cl 4, Cl 6, C17, Cl 8, C22, C23, C24	3.3nF 10 2%	Cond. SMD 0805 COG	CCC085332GCB	
5	1	DI	BAT54H	SOD323 SMD Diode	DISBAT5H4T1G	
6	2	JP, I JP2	STMIOSSMD	Male strip 10 pin SMD	CNTSTMTIOSDLS	Preci dip 350-10-110-00-106101
7	2	JP3,JP4	NC	Male strip 10 pin SMD		
8	7	RV1,RV2, RV3,RV, S RV6, RV7, RV8	SOOH	Trimmer SMD V 3 314	RVT4 X4HOSO0V	
9	1	RV4	NC	Trimmer SMD v 3 314		
10	2	RY1, RY2	RLYFTR-B3G-12V	Rele' FTR-B3G	RLM 2V12V2AS	Fujitsu FT R-B3G A 012 o FTR-B3S A 012
11	4	RI, R4, R33,R34	316KO	Res.SMD 0603	RCH063F0316K	
12	8	R, 2 R3, R, 6 R8, R3, 1 R32, R4, 0 R44	10KO	Res. SMD 0603	RCH063F0010K	
13	4	RS,R11,R39,R46	SI HO	Res.SMD 0603	RCH063F0051H	
14	2	R, 7 R38	3K01	Res. SMD 0603	RCH063F03K01	
15	4	R9, R24, R35,RSS	3K8 3	Res.SMD 0603	RCH063F03K83	

16	2	R10,R45	SKI I	Res.SMD 0603	RCH063FOSK11	
17	2	R12,R36	SK36	Res.SMD 0603	RCH063FOSK36	
18	4	R1, 3 R14, R3, 7 R47	4K64	Res.SMD 0603	RCH063F04K64	
19	2	RIS, R41	442HO	Res.SMD 0603	RCH063F0442H	
20	2	R16, R42	2K21	Res.SMD 0603	RCH063F02K21	
21	2	R17,R43	1K58	Res.SMD 0603	RCH063F01K58	
22	12	R18,RI 9, R20,R21, R22,R23, R48, R49, RSO,RS2,R53, R54	3K16	Res.SMD 0603	RCH063F03K16	
23	4	R25,R26, R56,R57	2K6 7	Res.SMD0603	RCH063F02K67	
24	11	R27, R28, R29,R51, R58, R59, R60, R62, R63, R64, R65	NC	Res.SMD 0603		
25	1	R30	249HO	Res. SMD 0603	RCH063F0249H	
26	1	R61	150HO	Res.SMD 0603	RCH063F0150H	
27	4	UI,U2,U3,U4	LF347SMD	Quad Op. SMD S014	CILLF347SMD	

R.V.R Elettronica S.r.l.
Via del Fonditore 2 / 2c
40138 · Bologna · Italy
Phone: +39 051 6010506 · Fax: +39 051 6011104
e-mail: info@rvr.it · web: <http://www.rvr.it>

The RVR Logo, and others referenced RVR products and services are trademarks of RVR Elettronica in Italy, other countries or both. RVR ® 1998 all rights reserved. All other trademarks, trade names or logos used are property of their respective owners.





[R V R ELETTRONICA AUDIGIN-TFT FM Transmitters Broadcast Systems](#) [pdf] User Manua

|
AUDIGIN-TFT, FM Transmitters Broadcast Systems, AUDIGIN-TFT FM Transmitters Broadcast Systems, Transmitters Broadcast Systems, Broadcast Systems

Manuals+.