



# TEX502LCD TEX702LCD

TECHNICAL ANNEX  
VOLUME2



## Appendix A Piani di montaggio, schemi elettrici, liste componenti / *Component layouts, schematics, bills of material*

Questa parte del manuale contiene i dettagli tecnici riguardanti la costruzione delle singole schede componenti il TEX502/702LCD. L'appendice è composta dalle seguenti sezioni:

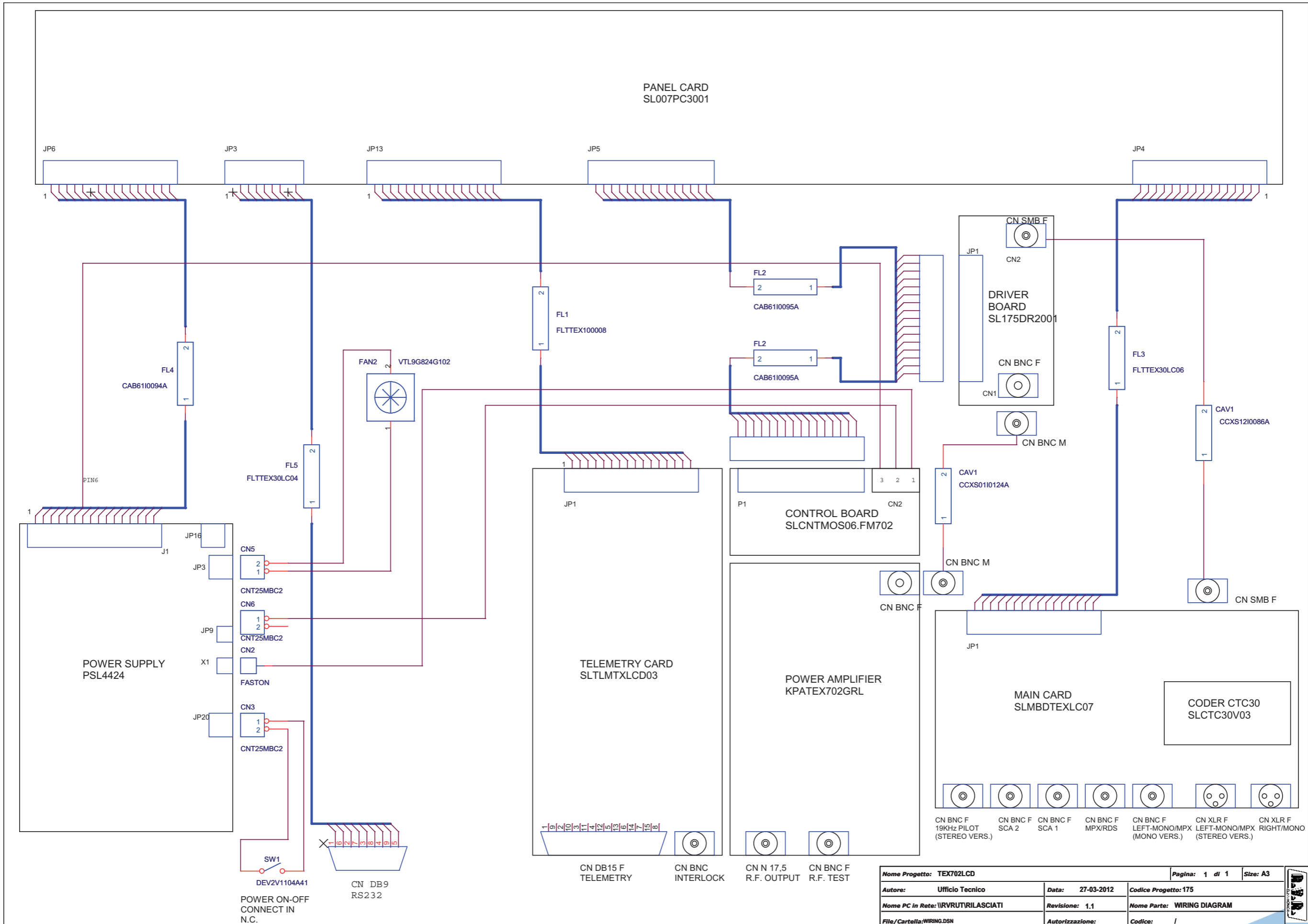
*This part of the manual contains the technical details about the different boards of the TEX502/702LCD. This appendix is composed of the following sections:*

Description	TEX502LCD/TEX702LCD RVR Code	Vers.Pages	
Wiring Diagram	KCABTEX702GRL	1.1	1
Main Board	SLMBDTEXLC07	1.1	3
Stereo Coder Card	SLCTC30V03	1.1	12
Control Card	SLCNTMOS06.FM702	1.2	15
Power Amplifier	SL237RF1001	1.2	18
Driver Card	SL175DR2001	1.2	21
Low Pass Filter Card	SL175LP2001	1.2	24
Panel Card	SL007PC3001	1.0	27
Power Supply	PSL4424	1.2	30
Telemetry Card	SLTLMTXLCD03	2.2	40

### Document History

Date	Version	Reason	Code	Editor
29/11/2012	1.0	First Release	/	J.H. Berti

KCABTEX702GRL



Nome Progetto: TEX702LCD		Pagina: 1 di 1		Size: A3
Autore: Ufficio Tecnico	Data: 27-03-2012	Codice Progetto: 175		
Nome PC in Rete: \RVRUTRILASCIATI	Revisione: 1,1	Nome Parte: WIRING DIAGRAM		
File/Cartella: WIRING.DSN	Autorizzazione:	Codice: /		

KCABTEX702GRL

WIRING DIAGRAM Revised: Tuesday, March 27, 2012

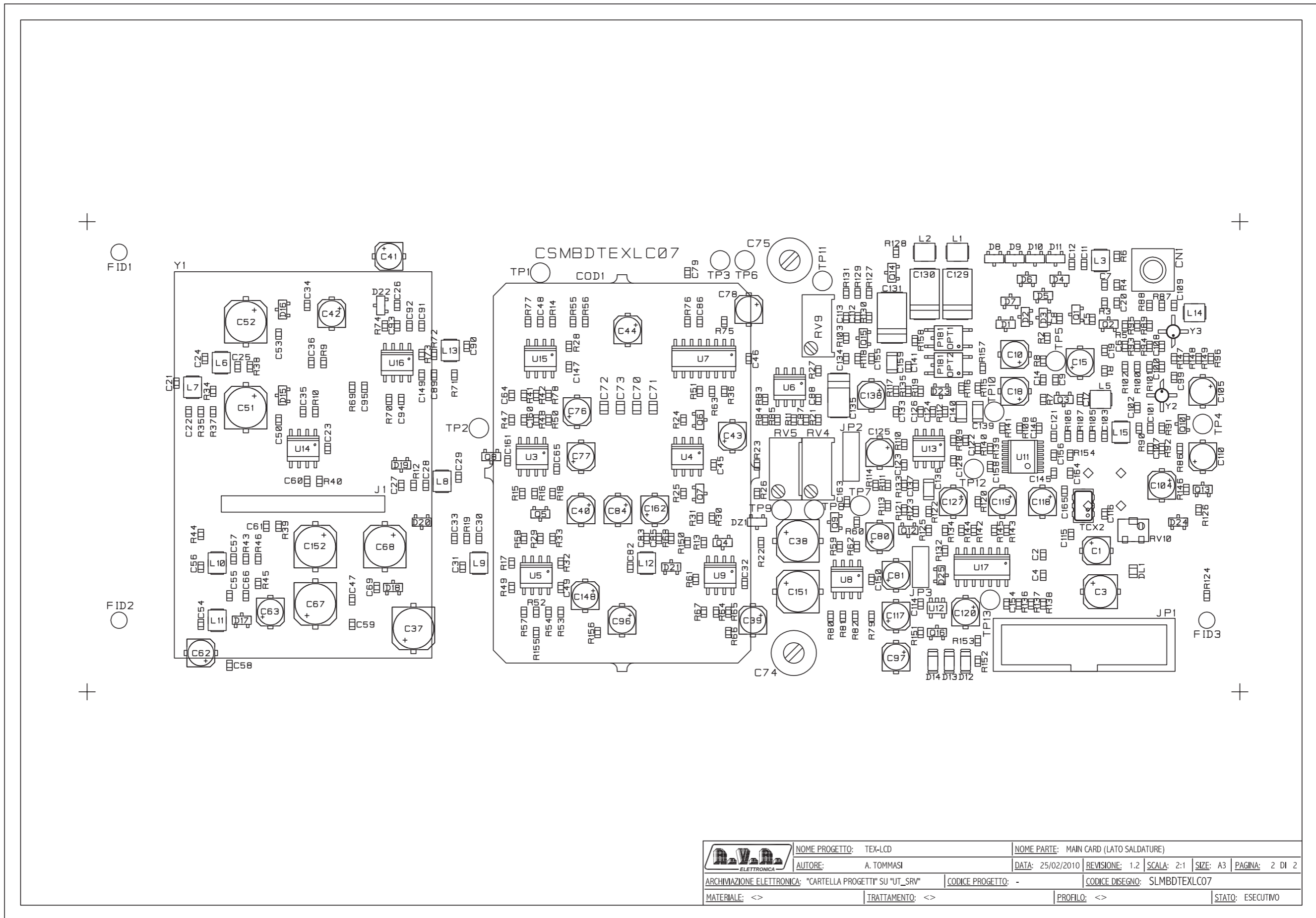
/ Revision: 1.1

TEX702LCD

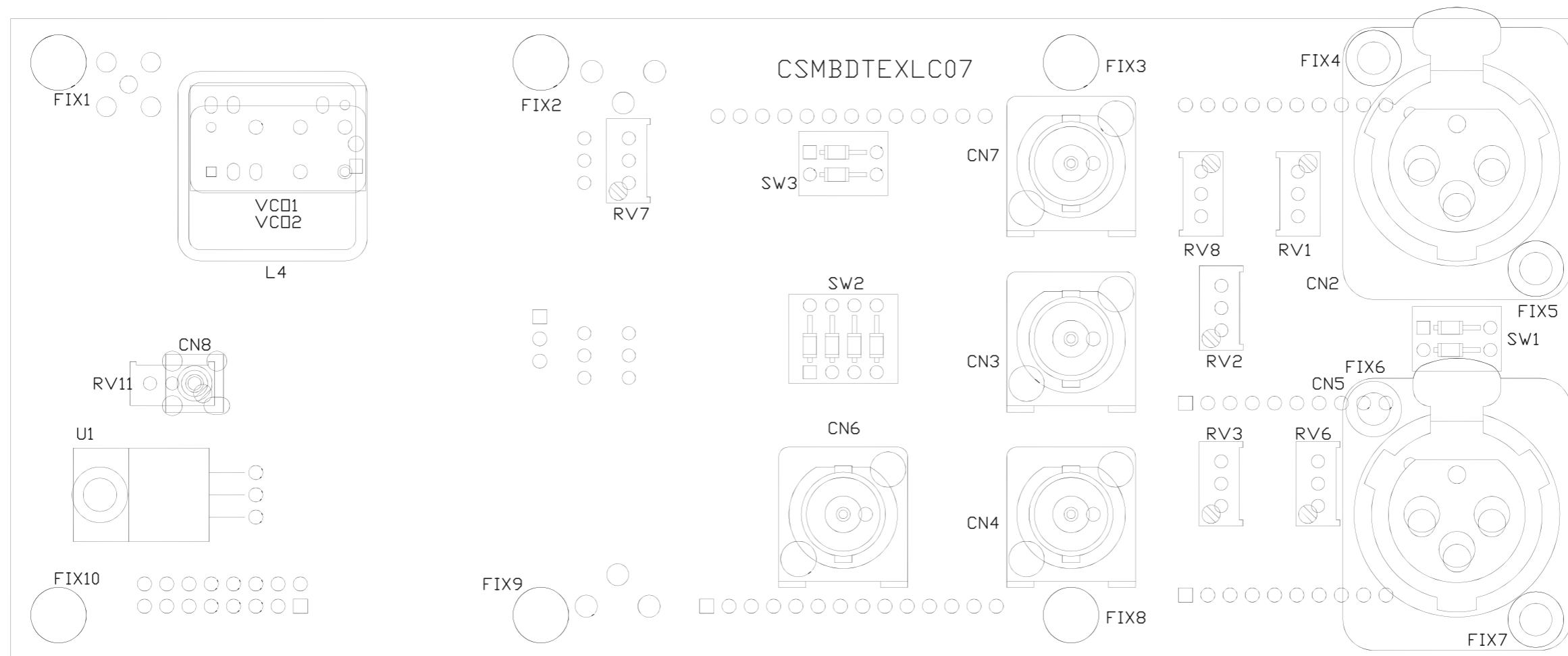
175

Ufficio Tecnico

Item	Quantity	Reference	Part
1	1	CAV1	CCXS12I0086A
2	1	CAV1	CCXS01I0124A
3	1	CN2	FASTON
4	3	CN3, CN5, CN6	CNT25MBC2
5	1	FAN2	VTL9G824G102
6	1	FL1	FLTTEX100008
7	1	FL2	CAB61I0095A
8	1	FL3	FLTTEX30LC06
9	1	FL4	CAB61I0094A
10	1	FL5	FLTTEX30LC04
11	1	SW1	DEV2V1104A41

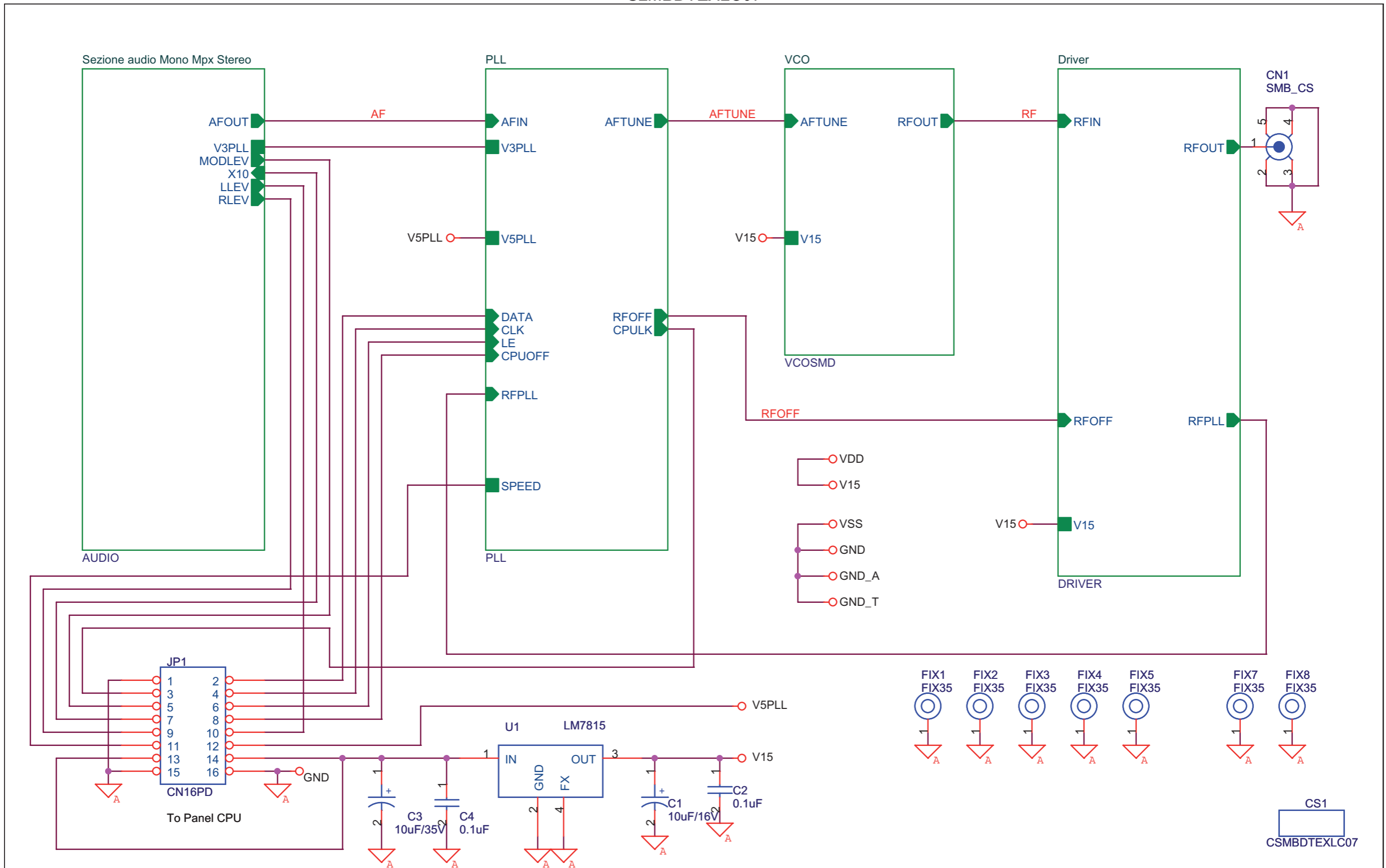


	NOME PROGETTO: TEX-LCD	NOME PARTE: MAIN CARD (LATO SALDATURE)			
	AUTORE: A. TOMMASI	DATA: 25/02/2010	REVISIONE: 1.2	SCALA: 2:1	SIZE: A3
ARCHIVIAZIONE ELETTRONICA: "CARTELLA PROGETTI" SU "UT_SRV"	CODICE PROGETTO: -	CODICE DISEGNO: SLMBDTEXLC07			
MATERIALE: <>	TRATTAMENTO: <>	PROFILO: <>	STATO: ESECUTIVO		



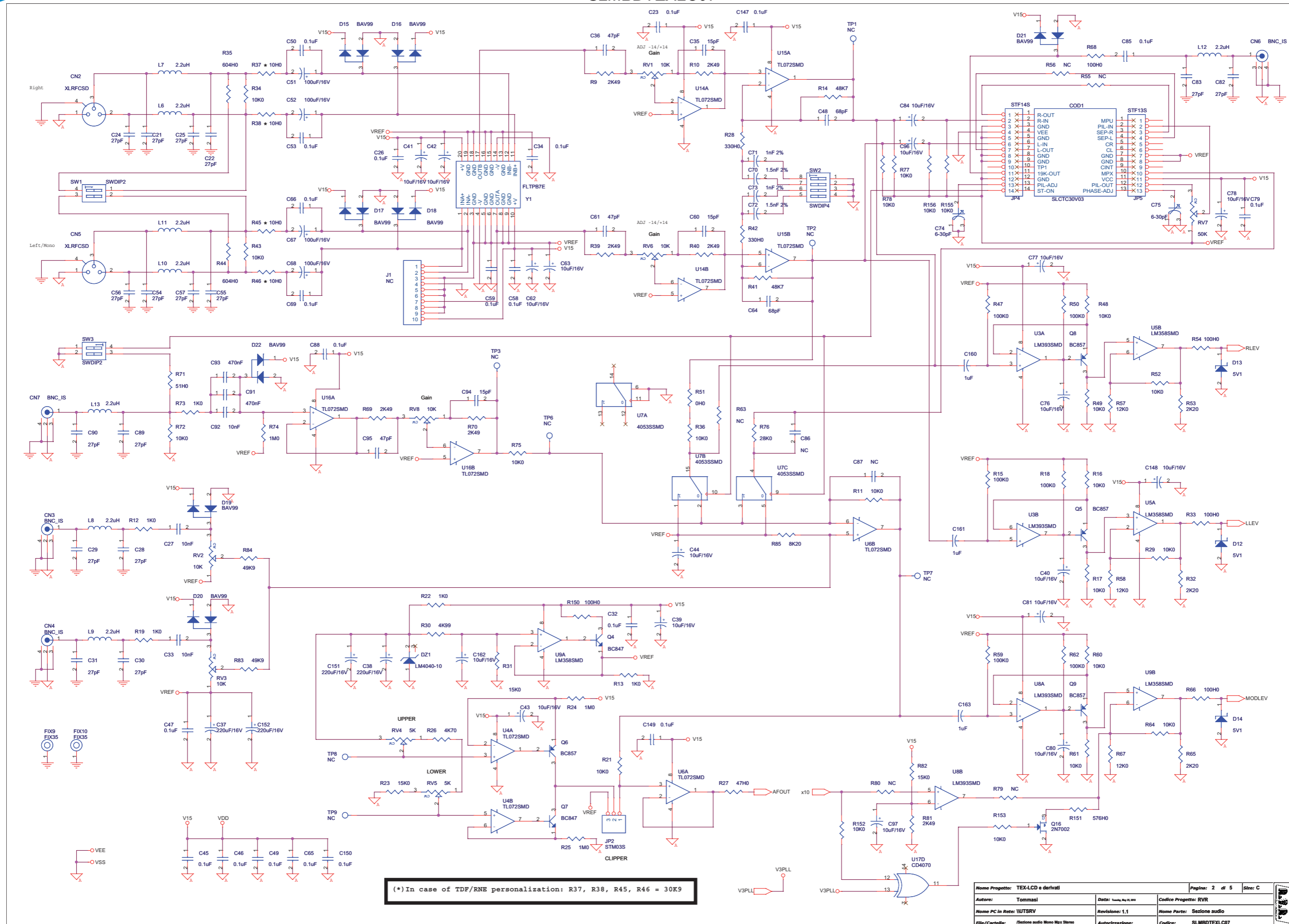
	NOME PROGETTO: TEX-LCD	NOME PARTE: MAIN CARD (LATO COMPONENTI)			
	AUTORE: A. TOMMASI	DATA: 25/02/2010	REVISIONE: 1.2	SCALA: 2:1	SIZE: A3
ARCHIVIAZIONE ELETTRONICA: "CARTELLA PROGETTI" SU "UT_SRV"	CODICE PROGETTO: -	CODICE DISEGNO: SLMBDTEXLC07			
MATERIALE: <>	TRATTAMENTO: <>	PROFILO: <>	STATO: ESECUTIVO		

SLMBDTEXLC07



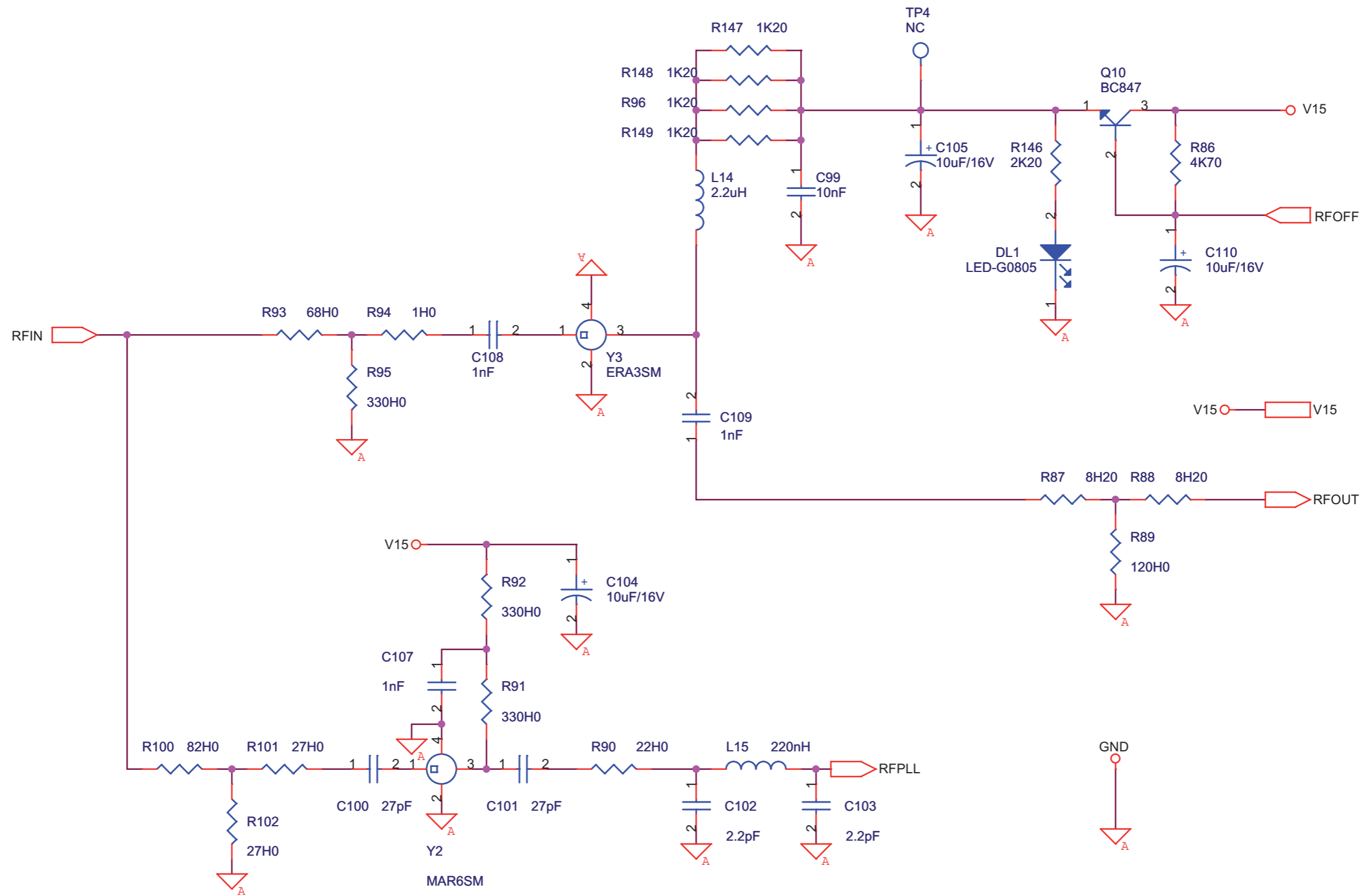
<b>Nome Progetto:</b> TEX-LCD e derivati		<b>Pagina:</b> 1 di 5	<b>Size:</b> A
<b>Autore:</b> Tommasi	<b>Data:</b> Tuesday, May 25, 2010	<b>Codice Progetto:</b> RVR	
<b>Nome PC in Rete:</b> \\UTSRV	<b>Revisione:</b> 1.1	<b>Nome Parte:</b> Main card TEX-LCD e derivati	
<b>File/Cartella:</b> /	<b>Autorizzazione:</b>	<b>Codice:</b> SLMBDTEXLC07	

SLMBDTEXLC07

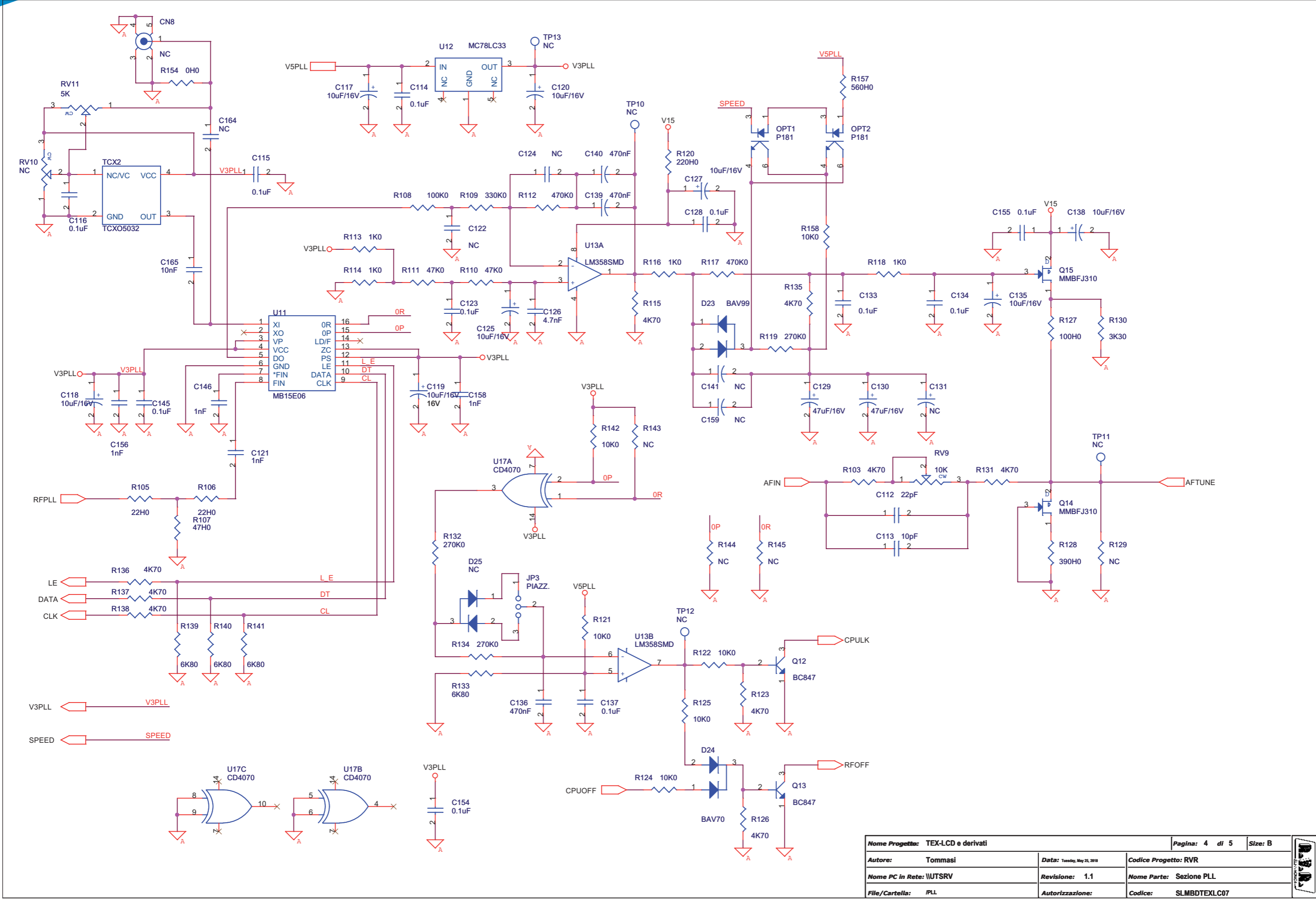




SLMBDTEXLC07

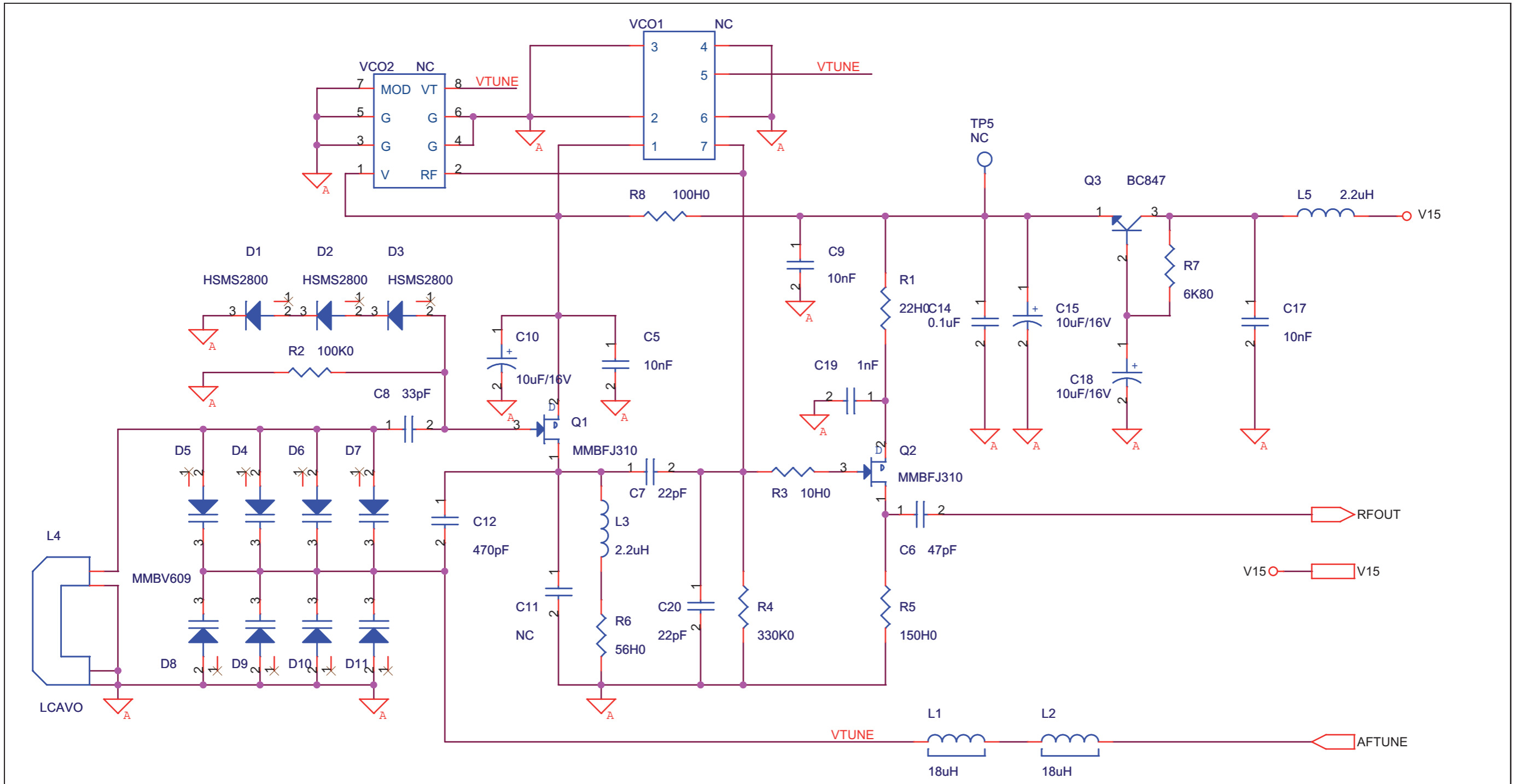


<b>Nome Progetto:</b> TEX-LCD e derivati		<b>Pagina:</b> 3 di 5	<b>Size:</b> A
<b>Autore:</b> Tommasi	<b>Data:</b> Tuesday, May 25, 2010	<b>Codice Progetto:</b> RVR	
<b>Nome PC in Rete:</b> \\UTSRV		<b>Revisione:</b> 1.1	<b>Nome Parte:</b> Sezione Driver
<b>File/Cartella:</b> /Driver	<b>Autorizzazione:</b>	<b>Codice:</b> SLMBDTEXLC07	



Nome Progetto: TEX-LCD e derivati		Pagina: 4 di 5		Size: B
Autore: Tommasi	Data: Tuesday, May 15, 2012	Codice Progetto: RVR		
Nome PC in Rete: \UTSRV	Revisione: 1.1	Nome Parte: Sezione PLL		
File/Cartella: IPLL	Autorizzazione:	Codice: SLMBDTEXLC07		

SLMBDTEXLC07



Il cavo e' montato lato saldature

Nome Progetto: TEX-LCD e derivati		Pagina: 5 di 5	Size: A
Autore: Tommasi	Data: Tuesday, May 25, 2010	Codice Progetto: RVR	
Nome PC in Rete: \\UTSRV	Revisione: 1.1	Nome Parte: Sezione VCO	
File/Cartella: NCO	Autorizzazione:	Codice: SLMBDTEXLC07	

SLMBDTEXLC07

Main card TEX-LCD e derivati Revised: 25/05/2010  
SLMBDTEXLC07 Revision: 1.1

TEX-LCD e derivati

RVR

Tommasi

Item	Quantity	Reference	Part	Description	Code
1	1	CN1	SMB_CS	Connettore SMB cs	CNTSMBMCS
2	2	CN2,CN5	XLRFCSD	Connettore XLR femm. cs	CNTXLRFCSD
3	4	CN3,CN4,CN6,CN7	BNC_IS	Connettore BNC metallico	CNTBNCFCSDM
4	1	CN8	NC	Connettore SMB cs	
5	1	COD1	SLCTC30V03	Coder stereo IRV30CT	SLCTC30V03
6	1	CS1	CSMBDTEXLC07	Circuito stampato	CSMBDTEXLC07
7	32	C1,C10,C15,C18,C39,C40, C41,C42,C43,C44,C62,C63, C76,C77,C78,C80,C81,C84, C96,C97,C104,C105,C110, C117,C118,C119,C120,C125, C127,C138,C148,C162	10uF/16V	Cond. Elett. SMD d. 4mm	CES106A160
8	35	C2,C4,C14,C23,C26,C32, C34,C45,C46,C47,C49,C50, C53,C58,C59,C65,C66,C69, C79,C85,C88,C114,C115, C116,C123,C128,C133,C134, C137,C145,C147,C149,C150, C154,C155	0.1uF	Cond. SMD 0805	CCC085104KXC
9	1	C3	10uF/35V	Cond. Elett. SMD d. 5mm	CES106B350
10	8	C5,C9,C17,C27,C33,C92, C99,C165	10nF	Cond. SMD 0805	CCC085103KXC
11	4	C6,C36,C61,C95	47pF	Cond. SMD 0805	CCC085470JCC
12	3	C7,C20,C112	22pF	Cond. SMD 0805	CCC085220JCC
13	1	C8	33pF	Cond. SMD 0805	CCC085330JCC
14	6	C11,C86,C87,C122,C124, C164	NC	Cond. SMD 0805	
15	1	C12	470pF	Cond. SMD 0805	CCC085471JCC
16	8	C19,C107,C108,C109,C121, C146,C156,C158	1nF	Cond. SMD 0805	CCC085102JCC
17	18	C21,C22,C24,C25,C28,C29, C30,C31,C54,C55,C56,C57, C82,C83,C89,C90,C100, C101	27pF	Cond. SMD 0805	CCC085270JCC
18	3	C35,C60,C94	15pF	Cond. SMD 0805	CCC085150JCC
19	4	C37,C38,C151,C152	220uF/16V	Cond. Elett. SMD d. 6.3mm	CES227E160
20	2	C48,C64	68pF	Cond. SMD 0805	CCC085680JCC
21	4	C51,C52,C67,C68	100uF/16V	Cond. Elett. SMD d. 6.3mm	CES107C160
22	2	C70,C72	1.5nF 2%	Cond. SMD 0805 COG	CCC085152GCC
23	2	C71,C73	1nF 2%	Cond. SMD 0805 COG	CCC085102GCC
24	2	C74,C75	6-30pF	Comp. ceramico dia. 7mm	CVC300D07
25	2	C91,C93	470nF	Cond. SMD 0805	CCC085474KXC
26	2	C102,C103	2.2pF	Cond. SMD 0805	CCC0852P2JCC
27	1	C113	10pF	Cond. SMD 0805	CCC085100JCC
28	1	C126	4.7nF	Cond. SMD 0805	CCC085472KXC
29	2	C129,C130	47uF/16V	Cond. Elett. SMD Tant. size D	CET476D160SM
30	1	C131	NC	Cond. Elett. SMD Tant. size D	
31	1	C135	10uF/16V	Cond. Elett. SMD Tant. size C	CET106C160SM
32	3	C136,C139,C140	470nF	Cond. SMD 1206	CCC126474KXC
33	2	C141,C159	NC	Cond. SMD 1206	
34	3	C160,C161,C163	1uF	Cond. SMD 0805	CCC085105KYC
35	1	DL1	LED-G0805	LED SMD 0805	LEDV0805
36	1	DZ1	LM4040-10	Diodi Zener SMD SOT23	CILLM4040-10
37	3	D1,D2,D3	HSMS2800	Diode SMD SOT23	DISHSMS2800
38	8	D4,D5,D6,D7,D8,D9,D10, D11	MMBV609	Diode Varicap SMD SOT23	DIVMMBV609
39	3	D12,D13,D14	5V1	MINIMELF SMD Zener Diode	DIZ5V1MINI
40	9	D15,D16,D17,D18,D19,D20, D21,D22,D23	BAV99	Doppio Diode SMD SOT23	DISBAV99
41	1	D24	BAV70	Doppio Diode SMD SOT23	DISBAV70
42	1	D25	NC	Doppio Diode SMD SOT23	
43	9	FIX1, FIX2, FIX3, FIX4, FIX5, FIX7, FIX8, FIX9, FIX10	FIX35	Foro fissaggio 3.5mm	
44	1	JP1	CN16PD	Connettore 16 poli Flat cs	CNTMCS16A
45	1	JP2	STM03S	Strip maschio 3 pin	CNTSTM03SDA
46	1	JP3	PIAZZ.		

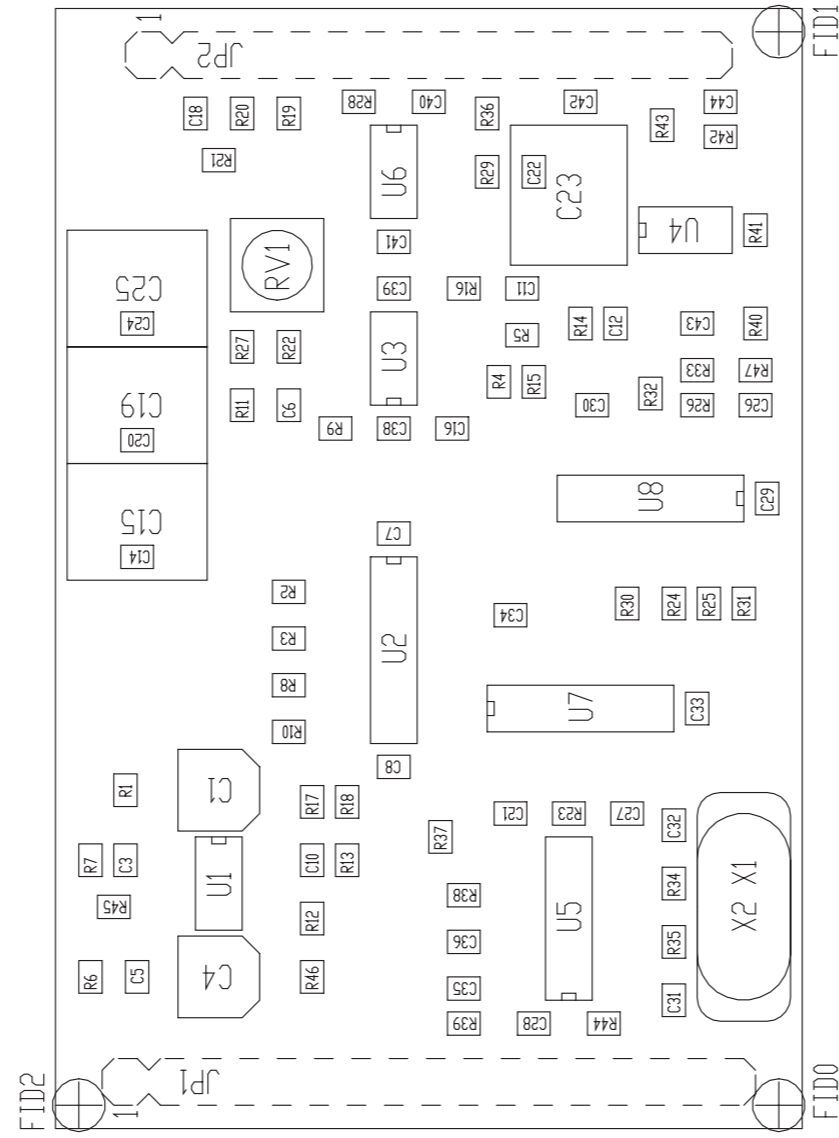
47	1	JP4	STF14S	Strip femmina 14 pin	CNTSTF14SDB
48	1	JP5	STF13S	Strip femmina 13 pin	CNTSTF13SDB
49	1	J1	NC	Strip femmina 10 pin	
50	2	L1,L2	18uH		IMP18U5120S
51	11	L3,L5,L6,L7,L8,L9,L10, L11,L12,L13,L14	2.2uH	Induttanza SMD 3225 (1210)	IMP2U2S120
52	1	L4	LCAVO	Induttanza a cavo RG	
53	1	L15	220nH	Induttanza SMD 3225 (1210)	IMP220NS120
54	2	OPT1,OPT2	TLP181	Optoisolatore SMD SO6	LEDTLP181
55	4	Q1,Q2,Q14,Q15	MMBFJ310	Trans. FET SOT23	TRNMMBFJ310
56	6	Q3,Q4,Q7,Q10,Q12,Q13	BC847	Trans. NPN SOT23	TRNBC847
57	4	Q5,Q6,Q8,Q9	BC857	Trans. PNP SOT23	TRNBC857
58	1	Q16	2N7002	Trans. FET SOT23	TRN2N7002SMD
59	6	RV1,RV2,RV3,RV6,RV8,RV9	10K	Trimmer Rg V 3296W	RVT3296WK010
60	3	RV4,RV5,RV11	5K	Trimmer Rg V 3296W	RVT3296WK005
61	1	RV7	50K	Trimmer Rg V 3296W	RVT3296WK050
62	1	RV10	NC	Trimm. multi SMD PVG5 Murata	
63	4	R1,R90,R105,R106	22H0	Res. SMD 0805	RCH085F0022H
64	8	R2,R15,R18,R47,R50,R59, R62,R108	100K0	Res. SMD 0805	RCH085F0100K
65	5	R3,R37,R38,R45,R46	10H0	Res. SMD 0805	RCH085F0010H
66	2	R4,R109	330K0	Res. SMD 0805	RCH085F0330K
67	1	R5	150H0	Res. SMD 0805	RCH085F0150H
68	1	R6	56H0	Res. SMD 0805	RCH085F0056H
69	5	R7,R133,R139,R140,R141	6K80	Res. SMD 0805	RCH085F006K8
70	7	R8,R33,R54,R66,R68,R127, R150	100H0	Res. SMD 0805	RCH085F0100H
71	7	R9,R10,R39,R40,R69,R70, R81	2K49	Res. SMD 0805	RCH085F02K49
72	28	R11,R16,R17,R21,R29,R34, R36,R43,R48,R49,R52,R60, R61,R64,R72,R75,R77,R78, R121,R122,R124,R125,R142, R152,R153,R155,R156,R158	10K0	Res. SMD 0805	RCH085F0010K
73	9	R12,R13,R19,R22,R73,R113, R114,R116,R118	1K0	Res. SMD 0805	RCH085F0001K
74	2	R14,R41	48K7	Res. SMD 0805	RCH085F048K7
75	3	R23,R31,R82	15K0	Res. SMD 0805	RCH085F0015K
76	3	R24,R25,R74	1M0	Res. SMD 0805	RCH085F0001M
77	11	R26,R86,R103,R115,R123, R126,R131,R135,R136,R137, R138	4K70	Res. SMD 0805	RCH085F004K7
78	2	R27,R107	47H0	Res. SMD 0805	RCH085F0047H
79	5	R28,R42,R91,R92,R95	330H0	Res. SMD 0805	RCH085J0330H
80	1	R30	4K99	Res. SMD 0805	RCH085F04K99
81	4	R32,R53,R65,R146	2K20	Res. SMD 0805	RCH085F002K2
82	2	R35,R44	604H0	Res. SMD 0805	RCH085F0604H
83	2	R51,R154	0H0	Res. SMD 0805	RCH085F0000H
84	3	R57,R58,R67	12K0	Res. SMD 0805	RCH085F0012K
85	9	R63,R79,R80,R129,R143, R144,R145,R55,R56	NC	Res. SMD 0805	
86	1	R71	51H0	Res. SMD 0805	RCH085F0051H
87	1	R76	28K0	Res. SMD 0805	RCH085F0028K
88	2	R83,R84	49K9	Res. SMD 0805	RCH085F049K9
89	1	R85	8K20	Res. SMD 0805	RCH085F008K2
90	2	R87,R88	8H20	Res. SMD 0805	RCH085F008H2
91	1	R89	120H0	Res. SMD 0805	RCH085F0120H
92	1	R93	68H0	Res. SMD 0805	RCH085F0068H
93	1	R94	1H0	Res. SMD 0805	RCH085F0001H
94	4	R96,R147,R148,R149	1K20	Res. SMD 0805	RCH085F001K2
95	1	R100	82H0	Res. SMD 0805	RCH085F0082H
96	2	R101,R102	27H0	Res. SMD 0805	RCH085F0027H
97	2	R110,R111	47K0	Res. SMD 0805	RCH085F0047K
98	2	R112,R117	47K0	Res. SMD 0805	RCH085F047K
99	3	R119,R132,R134	270K0	Res. SMD 0805	RCH085F0270K
100	1	R120	220H0	Res. SMD 0805	RCH085F0220H
101	1	R128	390H0	Res. SMD 0805	RCH085F0390H
102	1	R130	3K30	Res. SMD 0805	RCH085F003K3
103	1	R151	576H0	Res. SMD 0805	RCH085F0576H
104	1	R157	560H0	Res. SMD 0805	RCH085F0560H
105	2	SW1,SW3	SWDIP2	Dip switch 2 vie	DSW2VO
106	1	SW2	SWDIP4	Dip switch 4 vie	DSW4VO
107	1	TCX2	TCXO5032	TCXO SMD 5x3.2mm	QRZ000010MMV

NOTA1

SLMBDTEXLC07

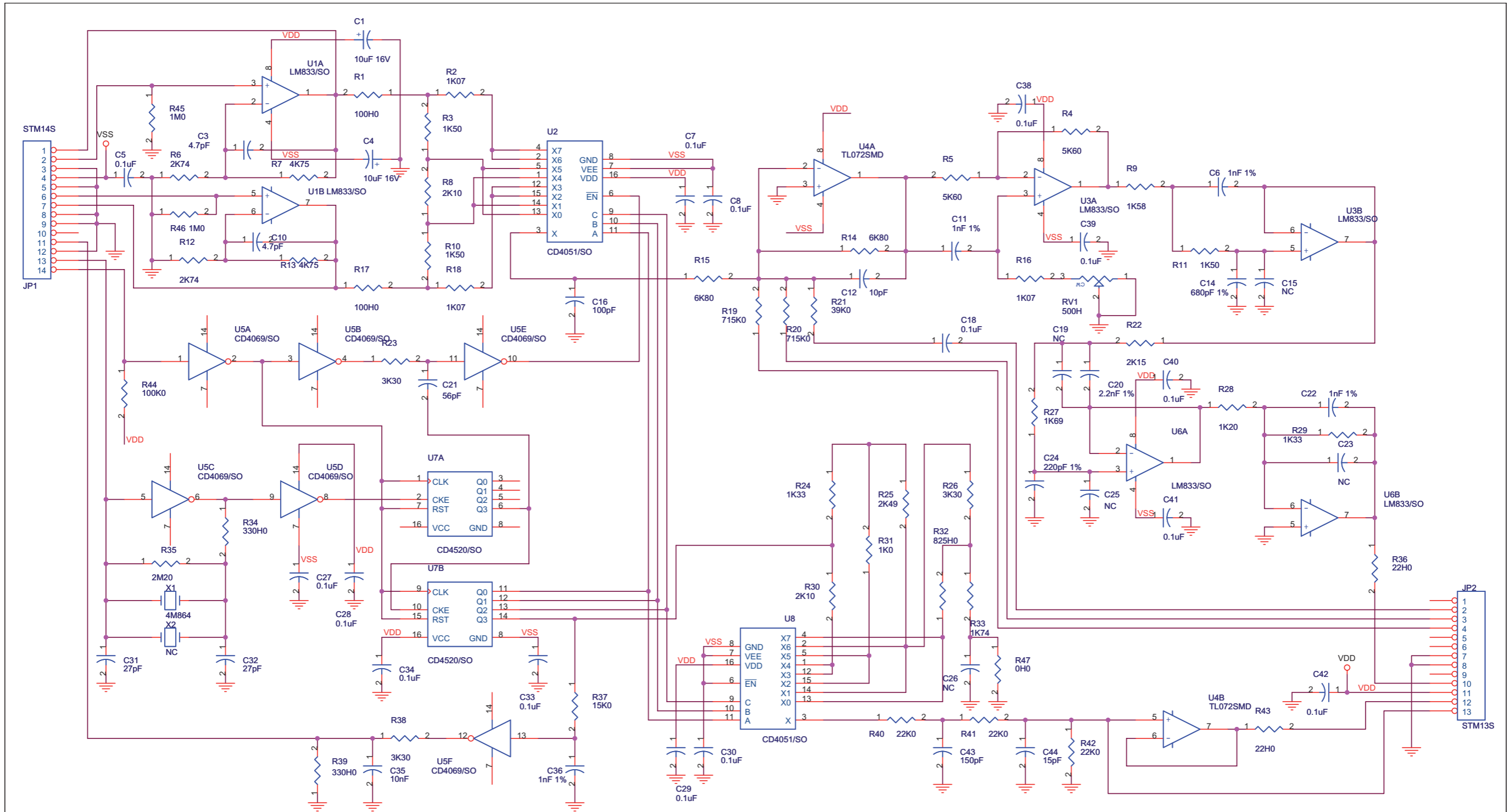
108	13	TP1,TP2,TP3,TP4,TP5,TP6, TP7,TP8,TP9,TP10,TP11, TP12,TP13	NC	Test point	
109	1	U1	LM7815	Stabilizzatore TO220	CIL7815P
110	2	U3,U8	LM393SMD	Dual Comp. SMD SO8	CILLM393SMD
111	3	U5,U9,U13	LM358SMD	Dual Op. SMD SO8	CILLM358SMD
112	5	U4,U6,U14,U15,U16	TL072SMD	Dual Op. SMD SO8	CILTL082SMD
113	1	U7	4053SMD	Analog Switch SMD SO16	CIDCD4053S
114	1	U11	MB15E06	Integrated PLL	CIDMB15E06
115	1	U12	MC78LC33	Stab. SMD SOT23-5	CIL78LC33
116	1	U17	CD4070	Quad XOR	CID4070SMD
117	1	VCO1	NC		
118	1	VCO2	NC	VCO SKY 8 pin FVC7MD	
119	1	Y1	FLTPB7E	Filtro Audio Stereo Positron	FLTPB7E
120	1	Y2	MAR6SM	Ibrido MAR/ERA	MIBMAR6SMD
121	1	Y3	ERA3SM	Ibrido MAR/ERA	MIBERA3-SM

NOTA: In TDF/RNE Personalization R37, R38, R45, R46 = 30K9  
 NOTA1: montare RV7 su lato componenti



	NOME PROGETTO: SCHEDA CODER STEREO CTC30	NOME PARTE: SCHEDA CODER STEREO CTC30
	AUTORE: TOMMASI	DATA: 08/04/2004
	ARCHIVIAZIONE ELETTRONICA: "CARTELLA PROGETTI" SU "UT_SRV"	REVISIONE: 1.0
	MATERIALE: FR4-74 1.6mm Cu 35um	SCALA: 2:1
		SIZE: A4
		PAGINA: 1 DI 1
		CODICE PROGETTO: SLCTC30V03
	TRATTAMENTO: STANDARD COSTRUTTORE	CODICE DISEGNO: SLCTC30V03
	PROFILO: /	STATO: ESECUTIVO

SLCTC30V03



CS1  
CSCTC30V03

Nome Progetto: Scheda coder Stereo CTC30		Pagina: 1 di 1	Size: A3
Autore: Andrea Tommasi	Data: 15/09/2005	Codice Progetto: 011	
Nome PC in Rete: \UTSRV\PROGETTI	Revisione: 1.1	Nome Parte: Scheda coder	
File/Cartella:	Autorizzazione:	Codice: SLCTC30V03	

SLCTC30V03

Scheda coder Revised: Thursday, September 15, 2005  
 SLCTC30V03 Revision: 1.1  
 Scheda coder Stereo CTC30

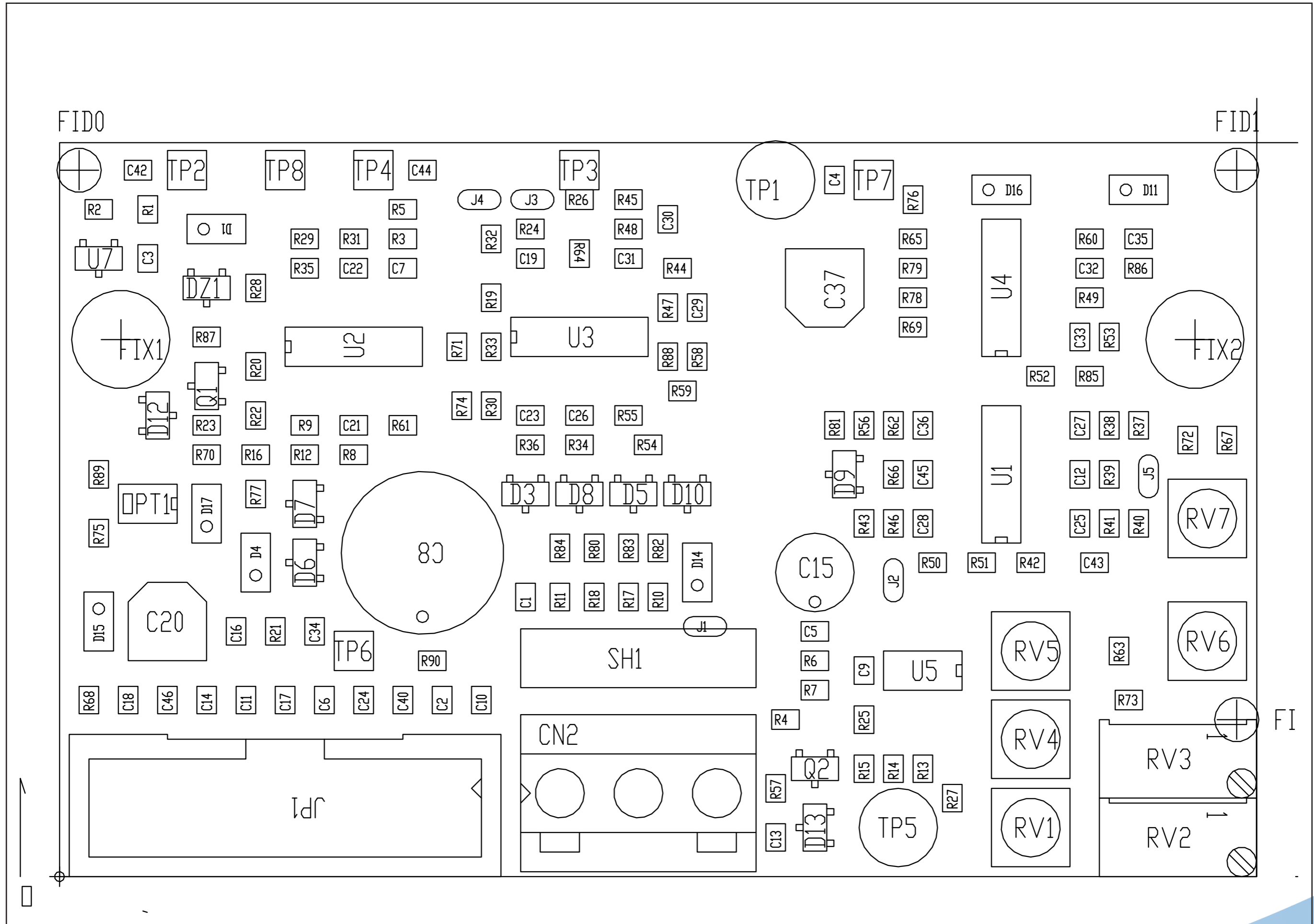
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 Andrea Tommasi

Item	Q.ty	Reference	Part	Description	
1	1	CS1	CSCTC30V03	Circuito stampato	
2	2	C1, C4	10uF 16V	Cond. Elett. SMD d. 4mm	
3	2	C3, C10	4.7pF	Cond. SMD 0805	
4	15	C5, C7, C8, C18, C27, C28, C29, C30, C33, C34, C38, C39, C40, C41, C42	0.1uF	Cond. SMD 0805	
5	4	C6, C11, C22, C36	1nF 1%	Cond. SMD 0805 COG	Nota 1
6	1	C12	10pF	Cond. SMD 0805	
7	1	C14	680pF 1%	Cond. SMD 0805 COG	Nota 1
8	4	C15, C19, C23, C25	NC	Cond. Poliestere p 5mm (5*7mm)	
9	1	C16	100pF	Cond. SMD 0805	
10	1	C20	2.2nF 1%	Cond. SMD 0805 COG	Nota 1
11	1	C21	56pF	Cond. SMD 0805	
12	1	C24	220pF 1%	Cond. SMD 0805 COG	Nota 1
13	1	C26	NC	Cond. SMD 0805	
14	2	C31, C32	27pF	Cond. SMD 0805	
15	1	C35	10nF	Cond. SMD 0805	
16	1	C43	150pF	Cond. SMD 0805	
17	1	C44	15pF	Cond. SMD 0805	
18	1	JP1	STM14S	Strip maschio 14 pin	
19	1	JP2	STM13S	Strip maschio 13 pin	
20	1	RV1	500H	Trimmer SMD	
21	2	R1, R17	100H0	Res. SMD 0805	
22	3	R2, R16, R18	1K07	Res. SMD 0805	
23	3	R3, R10, R11	1K50	Res. SMD 0805	
24	2	R4, R5	5K60	Res. SMD 0805	
25	2	R6, R12	2K74	Res. SMD 0805	
26	2	R7, R13	4K75	Res. SMD 0805	
27	2	R8, R30	2K10	Res. SMD 0805	
28	1	R9	1K58	Res. SMD 0805	
29	2	R14, R15	6K80	Res. SMD 0805	
30	2	R19, R20	715K0	Res. SMD 0805	
31	1	R21	39K0	Res. SMD 0805	
32	1	R22	2K15	Res. SMD 0805	
33	3	R23, R26, R38	3K30	Res. SMD 0805	
34	2	R24, R29	1K33	Res. SMD 0805	
35	1	R25	2K49	Res. SMD 0805	
36	1	R27	1K69	Res. SMD 0805	
37	1	R28	1K20	Res. SMD 0805	
38	1	R31	1K0	Res. SMD 0805	
39	1	R32	825H0	Res. SMD 0805	
40	1	R33	1K74	Res. SMD 0805	
41	2	R34, R39	330H0	Res. SMD 0805	
42	1	R35	2M20	Res. SMD 0805	
43	2	R36, R43	22H0	Res. SMD 0805	
44	1	R37	15K0	Res. SMD 0805	
45	3	R40, R41, R42	22K0	Res. SMD 0805	
46	1	R44	100K0	Res. SMD 0805	
47	2	R45, R46	1M0	Res. SMD 0805	
48	1	R47	0H0	Res. SMD 0805	
49	3	U1, U3, U6	LM833/SO	Dual Op. SMD SO8	
50	2	U2, U8	CD4051/SO	Analog Switch SMD SO16	
51	1	U4	TL072SMD	Dual Op. SMD SO8	
52	1	U5	CD4069/SO	Hex inverter SO14	
53	1	U7	CD4520/SO	Dual binary counter	Nota 2
54	1	X1	4M864	Quarzo SMD HC49SMD	
55	1	X2	NC	Quarzo HC18	

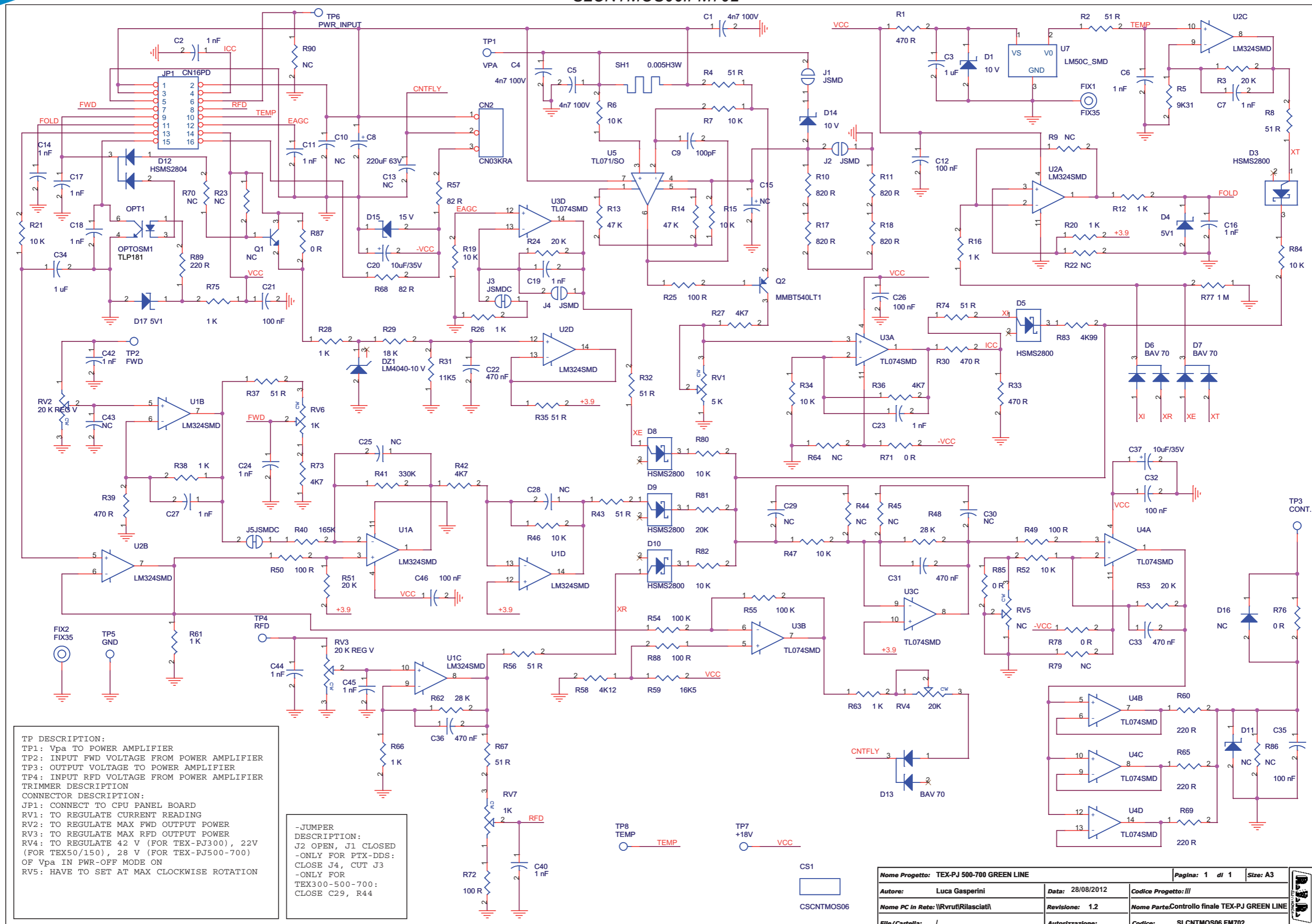
<b>Nota 1</b>	Attenzione COG vanno bene anche al 2%
<b>Nota 2</b>	Non montare PHILIPS
	Tutte le resistenze vanno al 1%
	Tutti i condensatori dove il valore lo consente vogliono NP0



SLCNTMOS06.FM702



SLCNTMOS06.FM702



TP DESCRIPTION:  
 TP1: Vpa TO POWER AMPLIFIER  
 TP2: INPUT FWD VOLTAGE FROM POWER AMPLIFIER  
 TP3: OUTPUT VOLTAGE TO POWER AMPLIFIER  
 TP4: INPUT RFD VOLTAGE FROM POWER AMPLIFIER  
 TRIMMER DESCRIPTION  
 CONNECTOR DESCRIPTION:  
 JP1: CONNECT TO CPU PANEL BOARD  
 RV1: TO REGULATE CURRENT READING  
 RV2: TO REGULATE MAX FWD OUTPUT POWER  
 RV3: TO REGULATE MAX RFD OUTPUT POWER  
 RV4: TO REGULATE 42 V (FOR TEX-PJ300), 22V (FOR TEX50/150), 28 V (FOR TEX-PJ500-700) OF Vpa IN PWR-OFF MODE ON  
 RV5: HAVE TO SET AT MAX CLOCKWISE ROTATION

-JUMPER DESCRIPTION:  
 J2 OPEN, J1 CLOSED  
 -ONLY FOR PTX-DDS:  
 CLOSE J4, CUT J3  
 -ONLY FOR TEX300-500-700:  
 CLOSE C29, R44

TP8 TEMP

TP7 +18V VCC

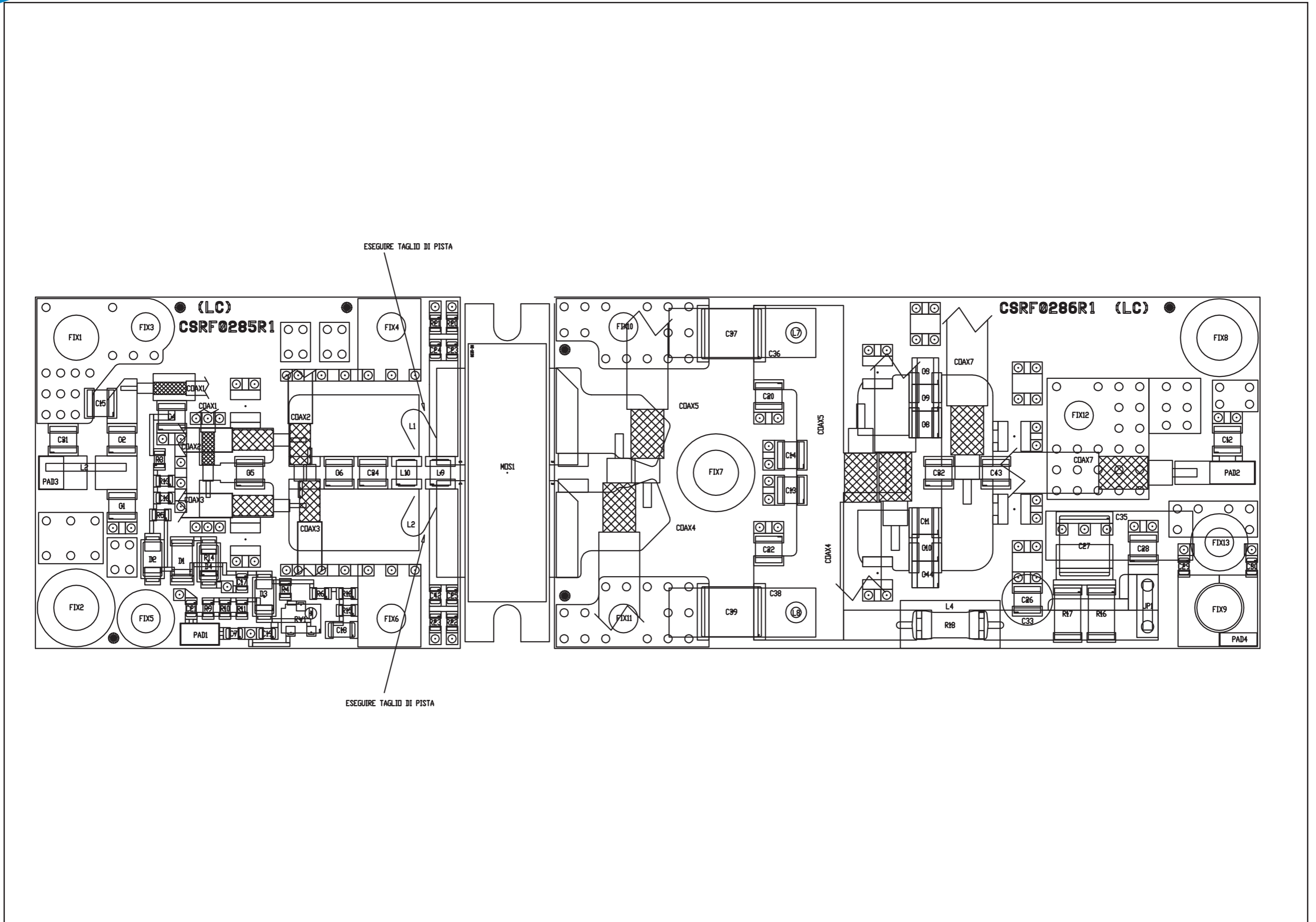
CS1  
 CSCNTMOS06

Nome Progetto: TEX-PJ 500-700 GREEN LINE		Pagina: 1 di 1		Size: A3
Autore: Luca Gasperini	Data: 28/08/2012	Codice Progetto: III		
Nome PC in Rete: \\Rvruf\ Rilasciat\	Revisione: 1.2	Nome Parte: Controllo finale TEX-PJ GREEN LINE		
File/ Cartella: I	Autorizzazione:	Codice: SLCNTMOS06.FM702		

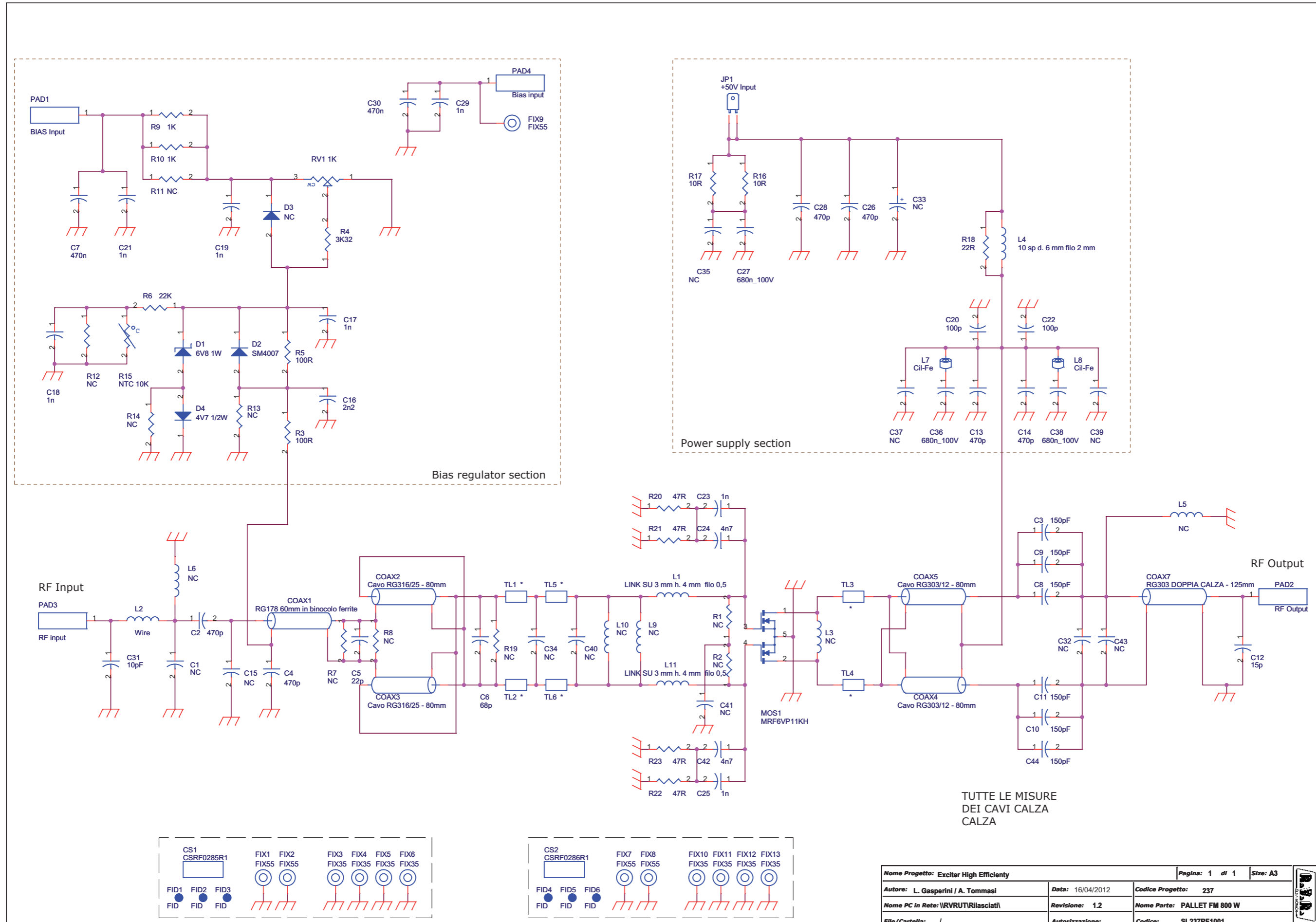
SLCNTMOS06.FM702

Controllo finale MOS TEX-PJ 2U Revised: 28/08/2012  
 SLCNTMOS06.FM702 Revision: 1.2  
 TEX-PJ 500-700 LCD 2U  
 Luca Gasperini

Item	Quantity	Reference	Part	Description
1	1	CN2	CN03KRA	Conn. tipo KRA a 3 poli
2	1	CS1	CSCNTMOS06	Circuito stampato
3	3	C1, C4, C5	4n7 100V	Cond. SMD 0805
4	16	C2, C6, C7, C11, C14, C16, C17, C18, C19, C23, C24, C27, C40, C42, C44, C45	1 nF	Cond. SMD 0805
5	2	C3, C34	1 uF	Cond. SMD 0805
6	1	C8	220uF 63V	Cond. Elettr. Dia 10 P5.08
7	1	C9	100pF	Cond. SMD 0805
8	7	C10, C13, C25, C28, C29, C30, C43	NC	Cond. SMD 0805
9	6	C12, C21, C26, C32, C35, C46	100 nF	Cond. SMD 0805
10	1	C15	NC	Cond. Elettr. Dia 5 P2.54
11	2	C20, C37	10uF/35V	
12	4	C22, C31, C33, C36	470 nF	Cond. SMD 0805
13	1	DZ1	LM4040-10 V	Diode Zener SMD SOT23
14	2	D1, D14	10 V	MINIMELF SMD Zener Diode
15	5	D3, D5, D8, D9, D10	HSMS2800	Diode Shottky SOT23
16	2	D4, D17	5V1	MINIMELF SMD Zener Diode
17	3	D6, D7, D13	BAV 70	Doppio Diode SMD SOT23
18	1	D11	NC	MINIMELF SMD Zener Diode
19	1	D12	HSMS2804	Doppio Diode SMD SOT23
20	1	D15	15 V	MINIMELF SMD Zener Diode
21	1	D16	NC	MINIMELF SMD Diode
22	2	FIX1, FIX2	FIX35	Foro fissaggio 3.5mm
23	1	JP1	CN16PD	Connettore 16 poli Flat cs
24	2	J1, J2	J5MD	Pad SMD a saldare
25	2	J3, J5	J5MDC	
26	1	J4	J5MD	
27	1	OPT1	OPTOSM1	Optoisolatore SMD SO6
28	1	Q1	NC	Trans. NPN SOT23
29	1	Q2	MMBT540LT1	Trans. PNP SOT23
30	1	RV1	5 K	Trimmer SMD
31	2	RV2, RV3	20 K REG V	Trimmer Rg V 3296W
32	1	RV4	20K	Trimmer SMD
33	1	RV5	NC	Trimmer SMD
34	2	RV6, RV7	1K	Trimmer SMD
35	4	R1, R30, R33, R39	470 R	Res. SMD 0805
36	10	R2, R4, R8, R32, R35, R37, R43, R56, R67, R74	51 R	Res. SMD 0805
37	4	R3, R24, R51, R53	20 K	Res. SMD 0805
38	1	R5	9K31	Res. SMD 0805
39	12	R6, R7, R15, R19, R21, R34, R46, R47, R52, R80, R82, R84	10 K	Res. SMD 0805
40	9	R9, R22, R23, R44, R45, R64, R70, R79, R86	NC	Res. SMD 0805
41	4	R10, R11, R17, R18	820 R	Res. SMD 0805
42	10	R12, R16, R20, R26, R28, R38, R61, R63, R66, R75	1 K	Res. SMD 0805
43	2	R13, R14	47 K	Res. SMD 0805
44	5	R25, R49, R50, R72, R88	100 R	Res. SMD 0805
45	4	R27, R36, R42, R73	4K7	Res. SMD 0805
46	1	R29	18 K	Res. SMD 0805
47	1	R31	11K5	Res. SMD 0805
48	1	R40	165K	Res. SMD 0805
49	1	R41	330K	Res. SMD 0805
50	2	R48, R62	28 K	Res. SMD 0805
51	2	R54, R55	100 K	Res. SMD 0805
52	2	R57, R68	82 R	Res. SMD 0805
53	1	R58	4K12	Res. SMD 0805
54	4	R60, R65, R69, R89	220 R	Res. SMD 0805
55	5	R71, R76, R78, R85, R87	0 R	Res. SMD 0805
56	1	R77	1 M	Res. SMD 0805
57	1	R90	NC	
58	1	SH1	0.005H3W	Shunt passo 15.2mm fori 2mm
59	1	TP1	VPA	Foro dia. 2mm
60	1	TP2	FWD	Foro dia. 1mm
61	1	TP3	CONT.	Foro dia. 1mm
62	1	TP4	RFD	Foro dia. 1mm
63	1	TP5	GND	Foro dia. 2mm
64	1	TP6	PWR_INPUT	Foro dia. 1mm
65	1	TP7	+18V	Foro dia. 1mm
66	1	TP8	TEMP	Foro dia. 1mm
67	2	U1, U2	LM324SMD	Quad Op. SMD SO14
68	2	U3, U4	TL074SMD	Quad Op. SMD SO14
69	1	U5	TL071/SO	Dual Op. SMD SO8
70	1	U7	LM50C_SMD	Temperature sensor
71	1	R59	16K5	Res. SMD 0805
72	1	R81	20K	Res. SMD 0805



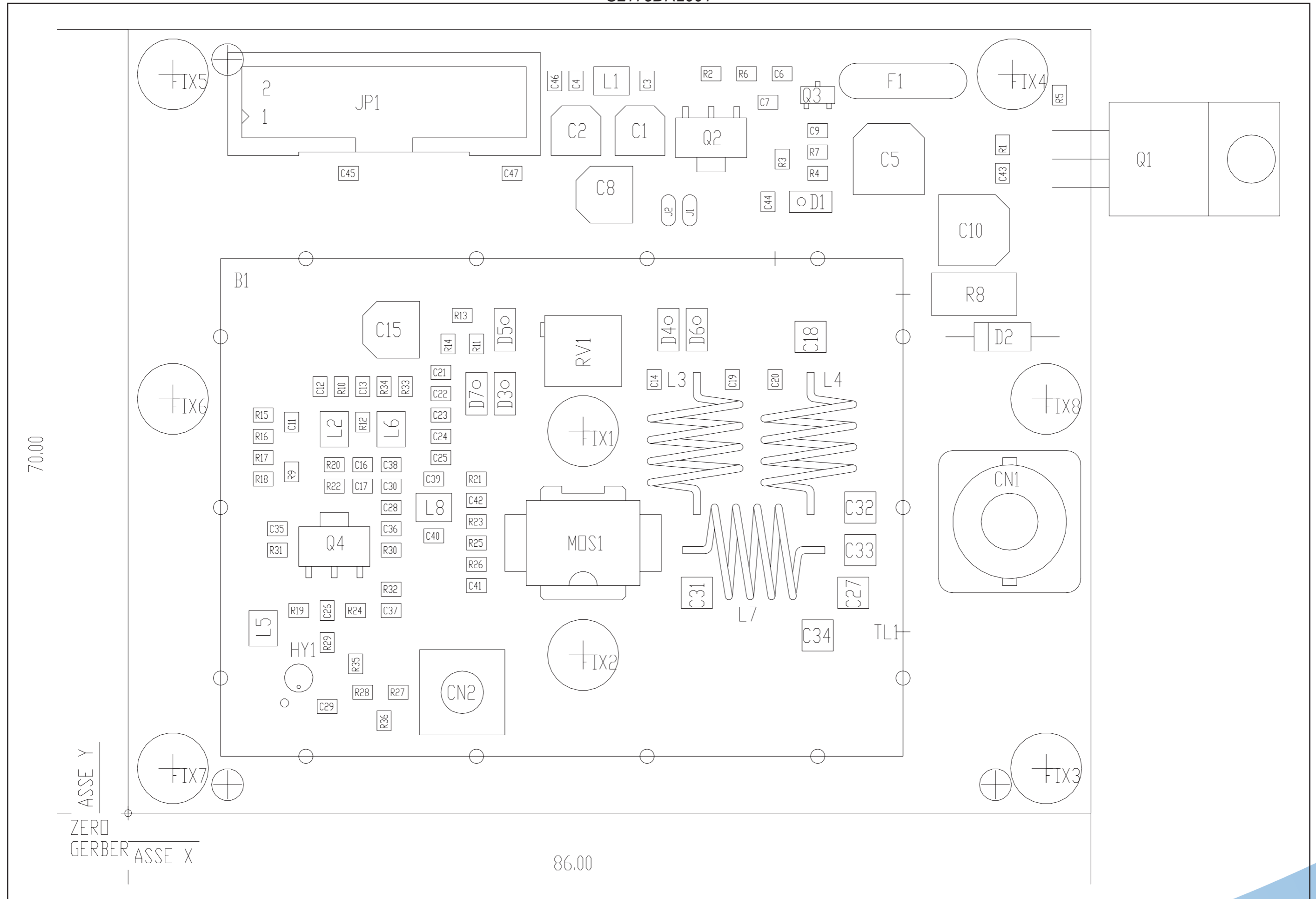
**SL237RF1001**



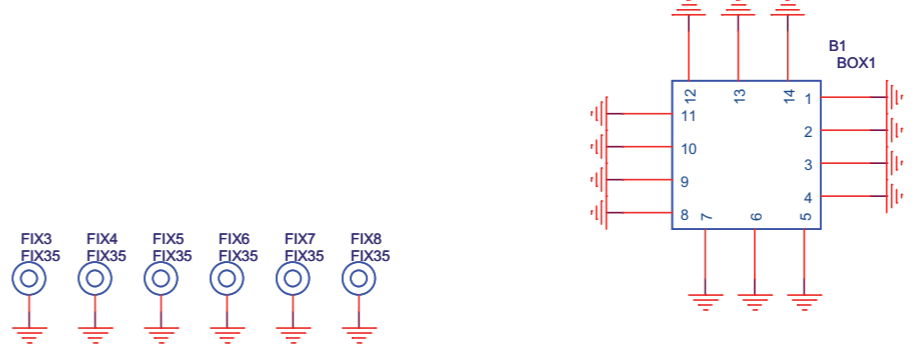
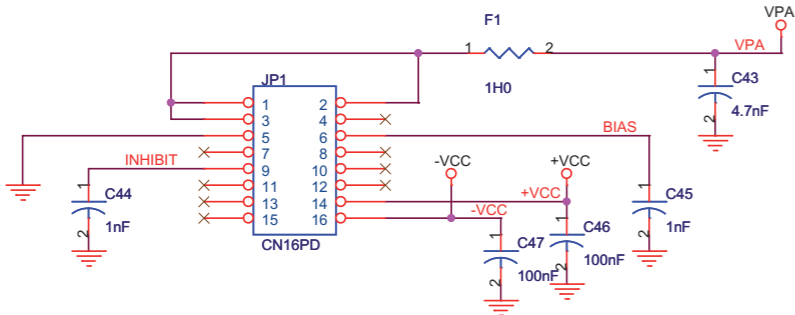
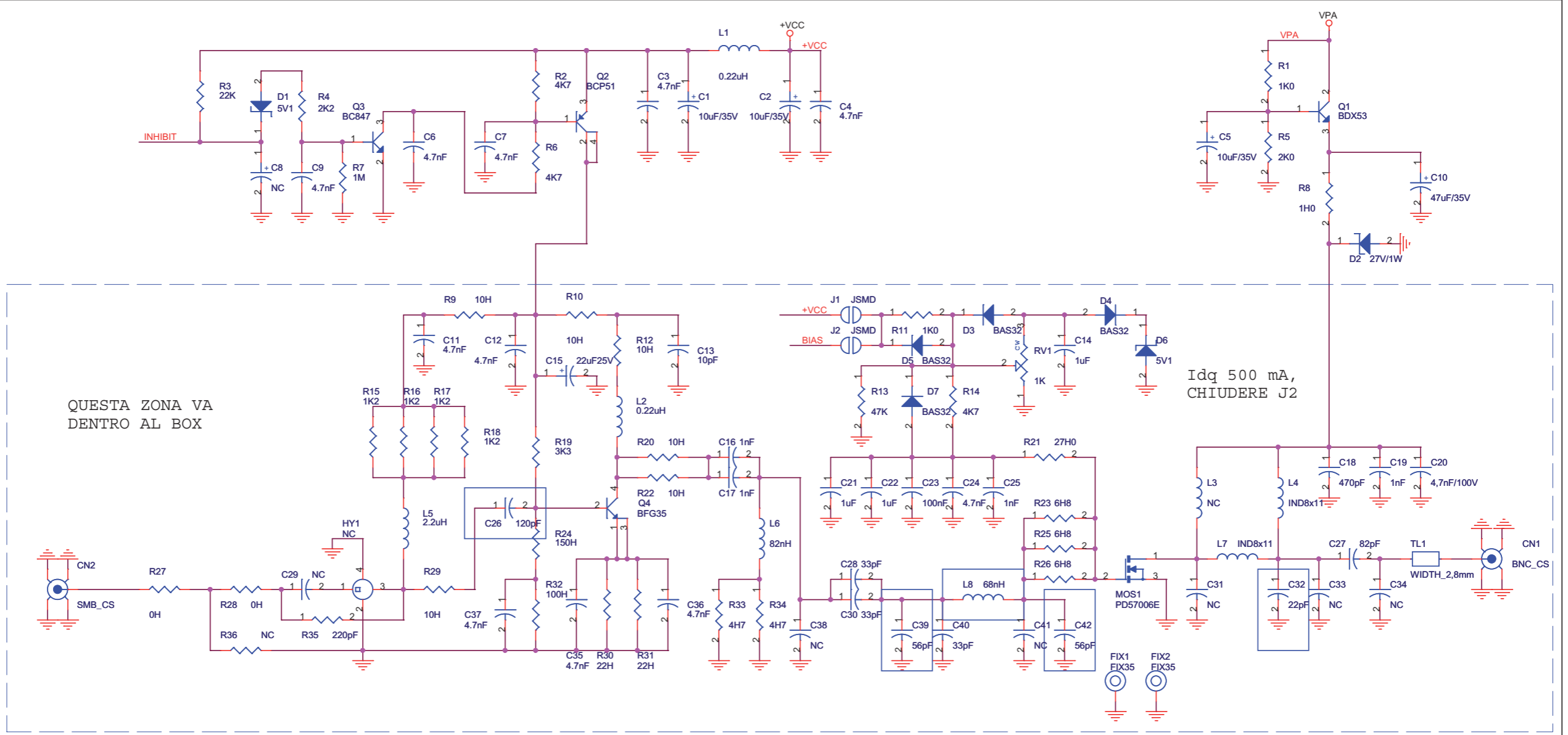
SL237RF1001

PALLET FM 800 W Revised: 16/04/2012  
 SL237RF1001 Revision: 1.2  
 Exciter High Efficiency  
 237  
 L. Gasperini / A. Tommasi

Item	Quantity	Reference	Part	(description)
1	1	COAX1	RG178 60mm in binocolo ferrite	Cavo RG178 60mm calza/calza in binocolo ferrite (73mm tot.)
2	2	COAX2, COAX3	Cavo RG316/25 - 80mm	Cavo RG316/25 80mm calza/calza (91mm tot.)
3	2	COAX5, COAX4	Cavo RG303/12 - 80mm	Cavo RG303/12 80mm calza/calza (98mm tot.)
4	1	COAX7	RG142 DOPPIA CALZA - 125mm	Cavo RG142 125mm calza/calza (147mm tot.) Vedi Info COAX7.pdf
5	1	CS1	CSRF0285R1	Circuito stampato
6	1	CS2	CSRF0286R1	Circuito stampato
7	1	C1	NC	Cond. SMD 0805
8	2	C2, C4	470p	Cond. SMD 1212 HQ
9	4	C13, C14, C26, C28	470p	Cond. SMD 1212 HQ
10	1	C30	470n	Cond. SMD 0805
11	1	C5	22p	Cond. SMD 1212 HQ
12	1	C6	68p	Cond. SMD 1212 HQ
13	2	C7	470n	Cond. SMD 0805
14	6	C3, C44, C8, C9, C10, C11	150pF	Cond. SMD 1212 HQ
15	1	C12	15p	Cond. SMD 1212 HQ
16	5	C15, C32, C34, C40, C43	NC	Cond. SMD 1212 HQ
17	1	C16	2n2	Cond. SMD 0805 COG
18	5	C17, C19, C21, C23, C25	1n	Cond. SMD 0805
19	1	C18	1n	Cond. SMD 1206
20	2	C22, C20	100p	Cond. SMD 1212 HQ
21	2	C42, C24	4n7	Cond. SMD 0805
22	1	C27	680nF 100V	Cond. SMD 2824
23	1	C31	10pF	Cond. SMD 1212 HQ
24	1	C29	1n	Cond. SMD 0805
25	3	C36, C38	680n_100V	Cond. Poliestere p 10mm
26	2	C37, C39	NC	Cond. Poliestere p 15mm
27	1	C41	NC	Cond. multistrato p 5mm
28	1	D1	6V8 1W	MELF SMD Zener Diode
29	1	D2	SM4007	Diode SMD cont. SMA
30	1	D3	NC	Diode SMD cont. SMA
31	1	D4	4V7 1/2W	MELF SMD Zener Diode
32	6	FID1, FID2, FID3, FID4, FID5, FID6	FID	Fiducial CS
33	5	FIX1, FIX2, FIX7, FIX8, FIX9	FIX55	Foro fissaggio 5.5mm
34	8	FIX3, FIX4, FIX5, FIX6, FIX10, FIX11, FIX12, FIX13	FIX35	Foro fissaggio 3.5mm
35	1	JP1	+50V Input	Faston da CS p. 5.08
36	2	L11, L1	LINK SU 3 mm h. 4 mm filo 0,5	LINK su 3 mm h. 4 mm filo 0,5
37	1	L2	Wire	Filo R. Arg. 1mm lung. 10mm
38	1	L3	NC	
39	1	L4	10 sp d. 6 mm filo 2 mm	10spire filo R. Smalt. 2mm Avvolte su 6mm includente R18 all'interno
40	2	L5, L9	NC	
41	1	L6	NC	
42	2	L7, L8	Cil-Fe	Cilindretto di ferrite
43	1	L10	NC	Ind. SMD 1008
44	1	MOS1	MRF6VP11KH	PP Power mosfet RF
45	2	PAD4, PAD1	BIAS Input	
46	1	PAD2	RF Output	
47	1	PAD3	RF input	
48	1	RV1	1K	Trimm. multi SMD PVGS Murata
49	5	R1, R2, R7, R8, R19	NC	Res. 2W
50	2	R3, R5	100R	Res. SMD 0805 1%
51	1	R4	3K32	Res. SMD 0805 1%
52	1	R6	22K	Res. SMD 0805 1%
53	2	R10, R9	1K	Res. SMD 0805 1%
54	3	R11, R12, R13	NC	Res. SMD 0805 1%
55	1	R14	NC	Res. SMD 1206 1%
56	1	R15	NTC 10K	Res. NTC SMD 0805
57	2	R17, R16	10R	Res. SMD 2512 5%
58	1	R18	22R	Res. 2W
59	4	R20, R21, R22, R23	47R	Res. SMD 0805 1%
60	6	TL1, TL2, TL3, TL4, TL5, TL6	*	Linea strip CS
61	1		Ferrite balun	Ferrite balun



SL175DR2001



Project Name: TEX702 GREEN LINE		Page: 1 of 1	Size: A3
Designer: Luca Gasperini	Date: 09/07/2012	Project Code: 175	
File Location: \\Rvrut\ Rilasciat\	Revision: 1.2	Description: Driver 5dBm 8W FM	
Folder/File: /	Approval:	Part No.: SL175DR2001	



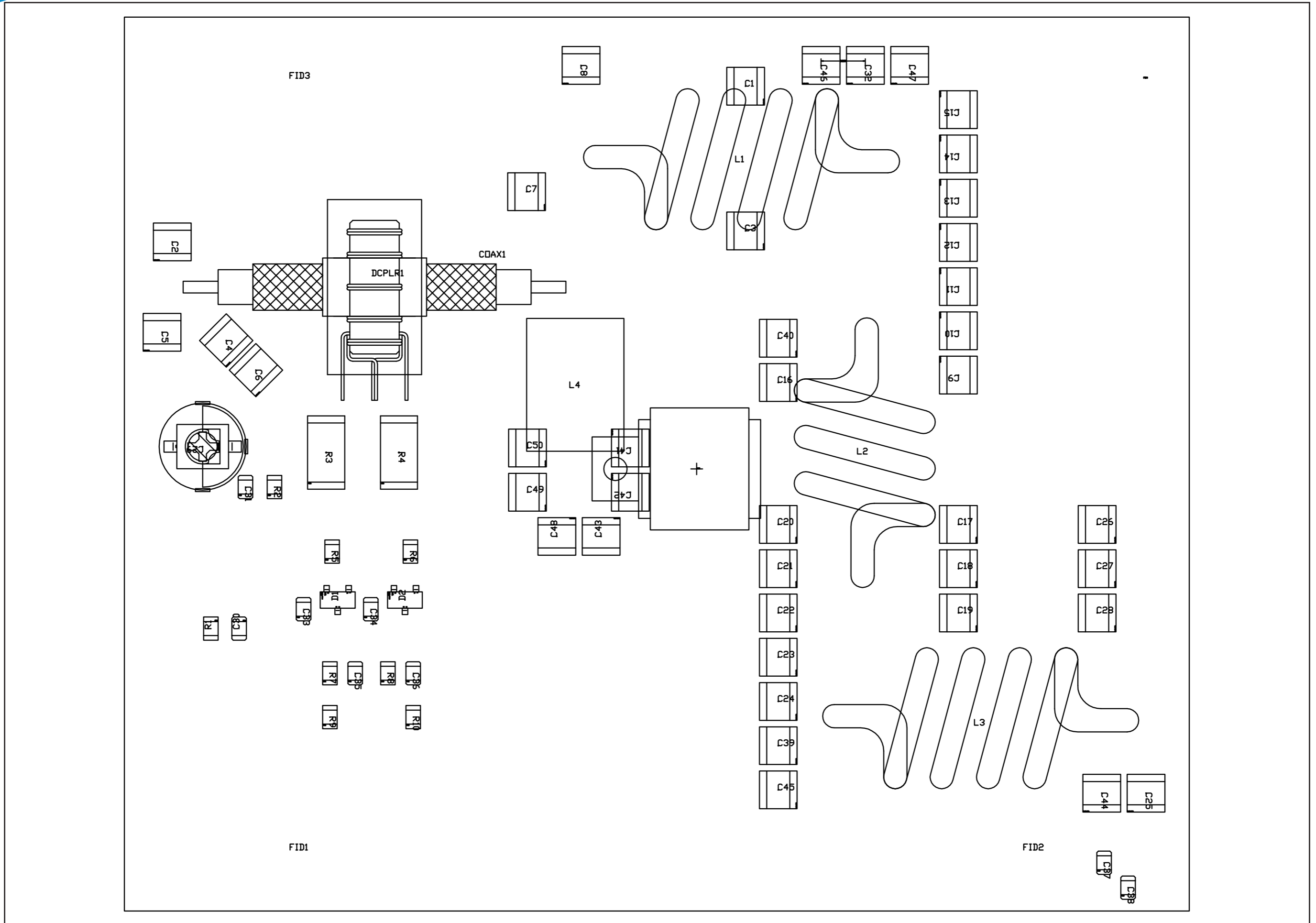
SL175DR2001

Driver 5dBm 8W FM Revised: 09-07-2012  
 SL175DR2001 Revision: 1.2  
 TEX702 GREEN LINE  
 175

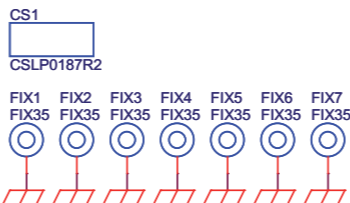
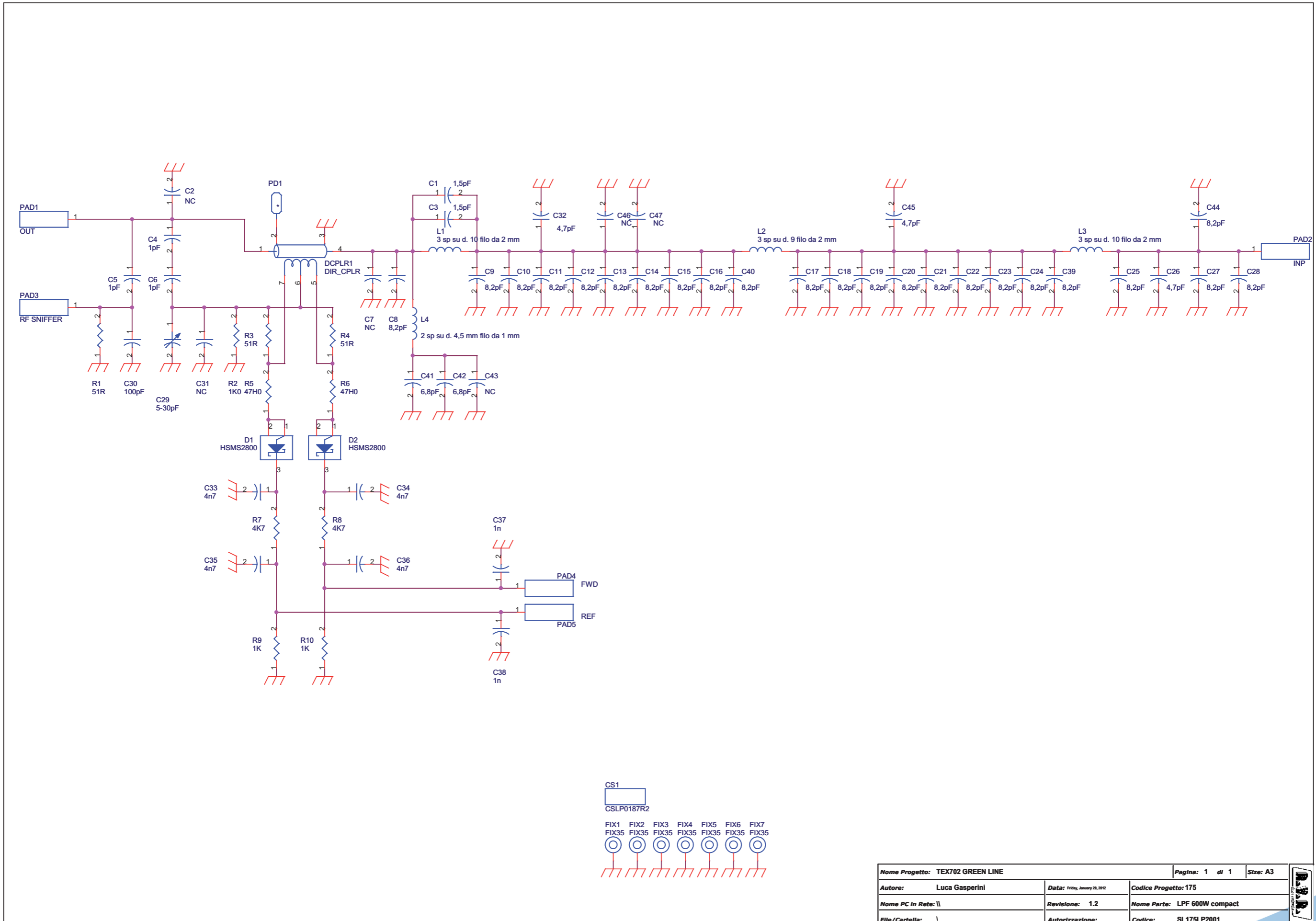
Luca Gasperini

Item	Quantity	Reference	Part	(description)	CODICE AS400
				C.S. DRIVER CARD TEX500L	CSDR0271R1
1	1	B1	BOX1	BOX VCO PTX-LCD	BOXVCO057/B
2	1	CN1	BNC_CS	Connettore BNC 10x10 cs	CNTBNCFCS
3	1	CN2	SMB_CS	Connettore SMB cs	CNTSMBMCS
4	3	C1, C2, C5	10uF/35V	Cond. Elett. SMD d. 4mm	CES106B350
5	12	C3, C4, C6, C7, C9, C11, C12, C24, C35, C36, C37, C43*	4.7nF	Cond. SMD 0805	CCC085472KXC
6	1	C8, L3	NC	Cond. Elett. SMD d. 5mm	
7	1	C10	47uF/35V	Cond. Elett. SMD d. 6.3mm	CES476C350
8	1	C13	10pF	Cond. SMD 0805	CCC085100JCC
9	3	C14, C21, C22	1uF	Cond. SMD 0805	CCC085105KYC
10	1	C15	22uF25V	Cond. Elett. SMD d. 5mm	CES226C250
11	6	C16, C17, C19, C25, C44, C45	1nF	Cond. SMD 0805	CCC085102JNC
12	1	C18	470pF	Cond. SMD 1212 HQ	CCC085471JCC
13	1	C20	4,7nF/100V	Cond. SMD 0805	CCC085472KDX
14	3	C23, C46, C47	100nF	Cond. SMD 0805	CCC085104KXC
15	1	C26	120pF	Cond. SMD 0805	CCC085121JCC
16	1	C27	82pF	Cond. SMD 1212 HQ	CHQ820JA501
17	3	C28, C30, C40	33pF	Cond. SMD 0805	CCC085330JCC
18	2	C39, C42	56pF	Cond. SMD 0805	CCC085560JCC
19	3	C31, C33, C34	NC	Cond. SMD 1212 HQ	
20	1	C32	22pF	Cond. SMD 1212 HQ	CHQ220JA501
21	3	C38, C41, C42, C29	NC	Cond. SMD 0805	
22	1	D2	27V/1W	1W Zener Diode	DIZ27V1W
24	4	D3, D4, D5, D7	BAS32	MINIMELF SMD Diode	DISBAS32MINI
25	1	D6, D1	5V1	MINIMELF SMD Zener Diode	DIZ5V1MINI
26	8	FIX1, FIX2, FIX3, FIX4, FIX5, FIX6, FIX7, FIX8	FIX35	Foro fissaggio 3.5mm	
27	1	F1	1H0 2512	Fusibile autorip. RUE p5mm	RCH252J0001H
28	1	HY1	NC	Ibrido MAR/ERA	
29	1	JP1	CN16PD	Conn.M.C.S.Dritto 16P alette	CNTMCS16A
30	2	J1, J2	JSMD	Pad SMD a saldare	
31	2	L1, L2	0.22uH	Induttanza SMD 3225 (1210)	IMP220NS120
32		L4	IND	Bobina avvolta in aria	BOB01020121A
33	3	L7	IND	Bobina avvolta in aria	BOB01020005A
34	1	L5	2.2uH	Induttanza SMD 3225 (1210)	IMP2U2S120
35	1	L6	82nH	Induttanza SMD 3225 (1210)	IMP82NS120
36	1	L8	68nH	Induttanza SMD 3225 (1210)	IMP68NS120
37	1	MOS1	PD57006E		TRNPD57006E
38	1	Q1	BDX53	Trans. NPN TO220	TRNBDX53
39	1	Q2	BCP51	Trans. PNP SOT223	TRNBCP51
40	1	Q3	BC847	Trans. NPN SOT23	TRNBC847
41	1	Q4	BFG35	Trans. NPN SOT223	TRNBFG35
42	1	RV1	1K	Trimmer Rg H 3269W SMD	RVT3269WK001
43	1	R35	220pF	Cond. SMD 0805	CCC085221JCC
44	2	R2, R6	4K7	Res. SMD 0805 1%	RCH085F004K7
45	1	R3	22K	Res. SMD 0805 1%	RCH085F0022K
46	1	R4	2K2	Res. SMD 0805 1%	RCH085F002K2
47	1	R5	2K0	Res. SMD 0805	RCH085F0002K
48	1	R7	1M	Res. SMD 0805 1%	RCH085F0001M
49	1	R8	1H0	Res. SMD 2512 1%	RCH252J0001H
50	6	R9, R10, R12, R20, R22, R29	10H	Res. SMD 0805 1%	RCH085F0010H
51	2	R1, R11	1K0	Res. SMD 0805	RCH085F0001K
52	1	R13	47K	Res. SMD 0805	RCH085F0047K
53	1	R14	4K7	Res. SMD 0805	RCH085F004K7
54	4	R15, R16, R17, R18	1K2	Res. SMD 0805 1%	RCH085F001K2
55	1	R19	3K3	Res. SMD 0805 1%	RCH085F003K3
56	1	R21	27H0	Res. SMD 0805	RCH085F0027H
57	3	R23, R25, R26	6H8	Res. SMD 0805	RCH085F006H8
58	1	R24	150H	Res. SMD 0805 1%	RCH085F0150H
59	2	R27, R28	0H	Res. SMD 0805	RCH085F0056H
60	2	R30, R31	22H	Res. SMD 0805 1%	RCH085F0022H
61	1	R32	100H	Res. SMD 0805 1%	RCH085F0100H
62	2	R33, R34	4H7	Res. SMD 0805	RCH085F004H7
63	1	R36	NC	Res. SMD 0805	

SL175LP2001



SL175LP2001



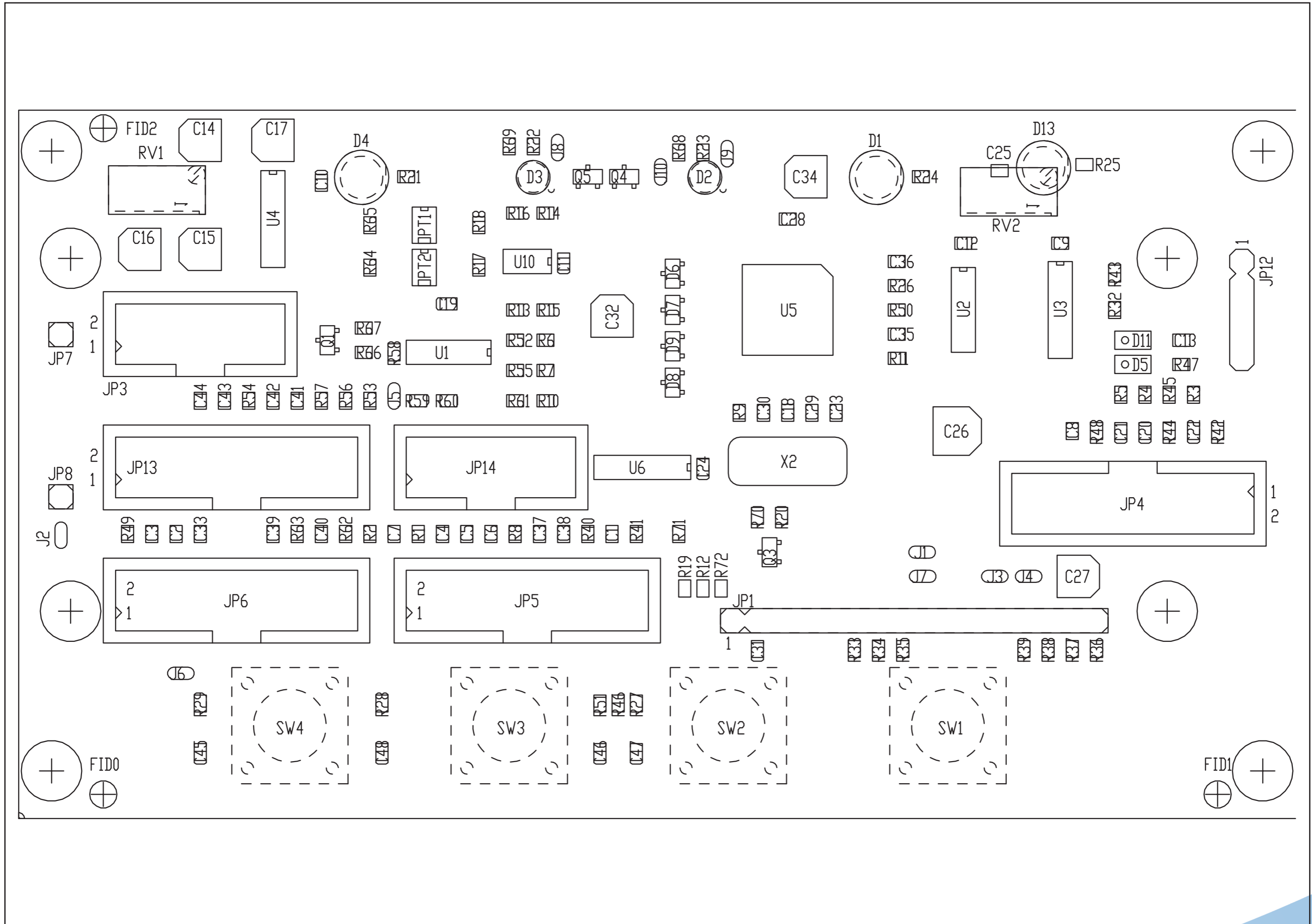
Nome Progetto: TEX702 GREEN LINE		Pagina: 1 di 1	Size: A3
Autore: Luca Gasperini	Data: Friday, January 20, 2012	Codice Progetto: 175	
Nome PC in Rete: \	Revisione: 1.2	Nome Parte: LPF 600W compact	
File/Cartella: \	Autorizzazione:	Codice: SL175LP2001	

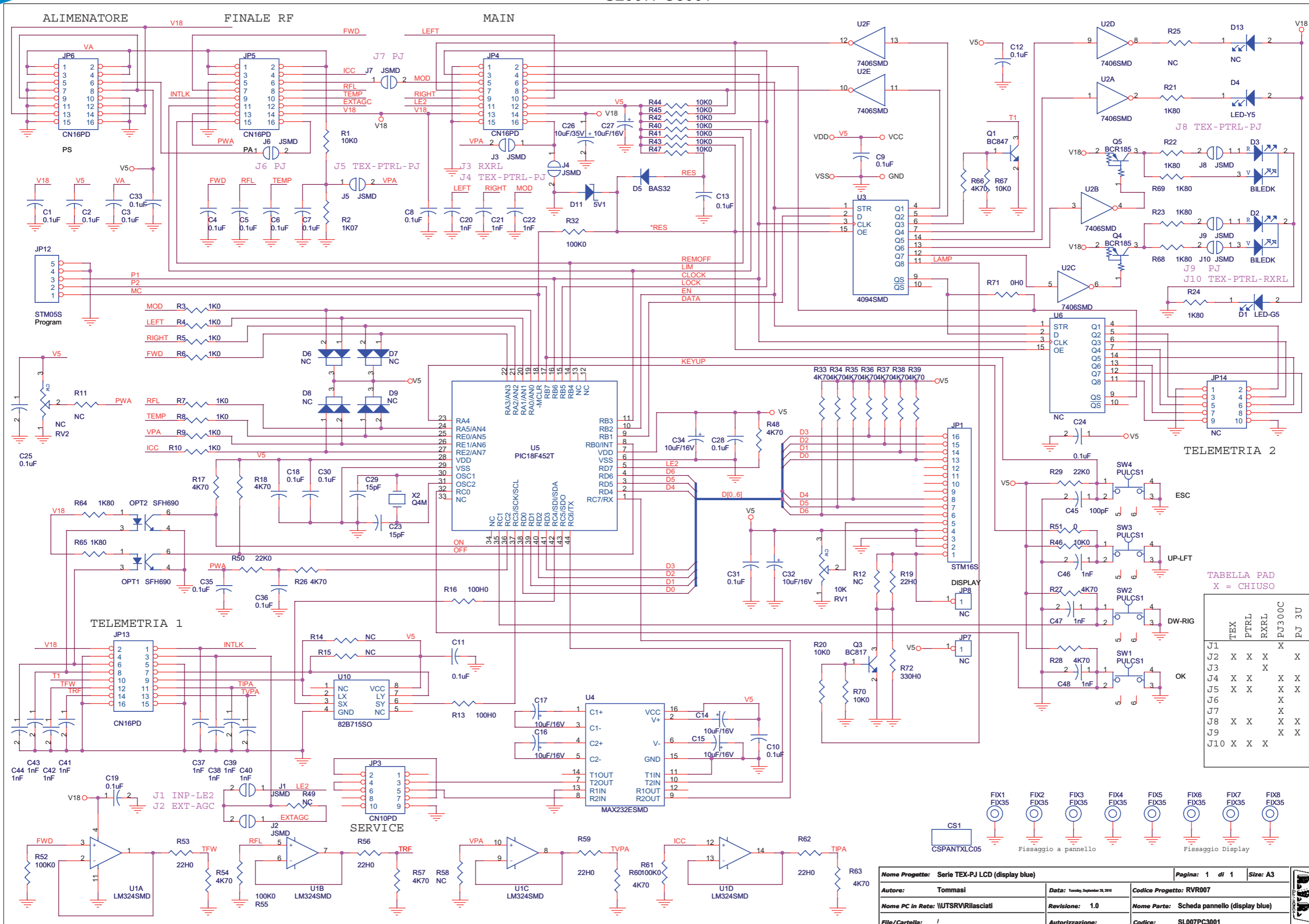
SL175LP2001

LPF 700W compact Revised: Friday, January 20, 2012  
 SL175LP2001 Revision: 1.2  
 TEX702 GREEN LINE  
 175  
 Luca Gasperini

Item	Quantity	Reference	Part	(description)
1	1	CS1	CSLP0187R2	Circuito stampato
2	2	C1, C3	1,5pF	Cond. SMD 1212 HQ
3	5	C2, C7, C43, C46, C47	NC	Cond. SMD 1212 HQ
4	3	C4, C5, C6	1pF	Cond. SMD 1212 HQ
5	23	C7, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C27, C28, C39, C40, C44	8,2pF	Cond. SMD 1212 HQ
6	1	C29	5-30pF	Comp. var. Murata TZB4
7	1	C30	100pF	Cond. SMD 0805 COG
8	1	C31	NC	Cond. SMD 0805 COG
9	4	C33, C34, C35, C36	4n7	Cond. SMD 0805
10	2	C37, C38	1n	Cond. SMD 0805
11	2	C41, C42	6,8pF	Cond. SMD 1212 HQ
12	1	DCPLR1	DIR_CPLR	Accopp. direz.
13	2	D2, D1	HSMS2800	DIODO HOT CARRIER
14	7	FIX1, FIX2, FIX3, FIX4, FIX5, FIX6, FIX7	FIX35	Foro fissaggio 3.5mm
15	2	L1, L3	3 sp su d. 10 filo da 2 mm	Bobina
16	1	L2	3 sp su d. 9 filo da 2 mm	Bobina
17	3	C32, C26, C45	4,7 pF	Cond. SMD 1212 HQ
18	1	L4	2 sp su d. 4,5 filo da 1 mm	Bobina
19	1	PAD1	OUT	
20	1	PAD2	INP	
21	1	PAD3	RF SNIFFER	
22	1	PAD4	FWD	
23	1	PAD5	REF	
24	1	PD1	*	
25	1	R1	51R	Res. SMD 0805
26	3	R2, R9, R10	1K0	Res. SMD 0805
27	2	R4, R3	51R	Res. SMD 2512 1%
28	2	R6, R5	47H0	Res. SMD 0805
29	2	R7, R8	4K7	Res. SMD 0805
30	1	COAX1	RG303	CAVO SCHERMATO

SL007PC3001





Nome Progetto:	Serie TEX-PJ LCD (display blue)	Pagina:	1 di 1	Size:	A3
Autore:	Tommasi	Data:	Tuesday, September 28, 2011	Codice Progetto:	RVR007
Nome PC in Rete:	WUTSRV\Relasciati	Revisione:	1.0	Nome Parte:	Scheda pannello (display blue)
File/Cartella:	/	Autorizzazione:		Codice:	SL007PC3001

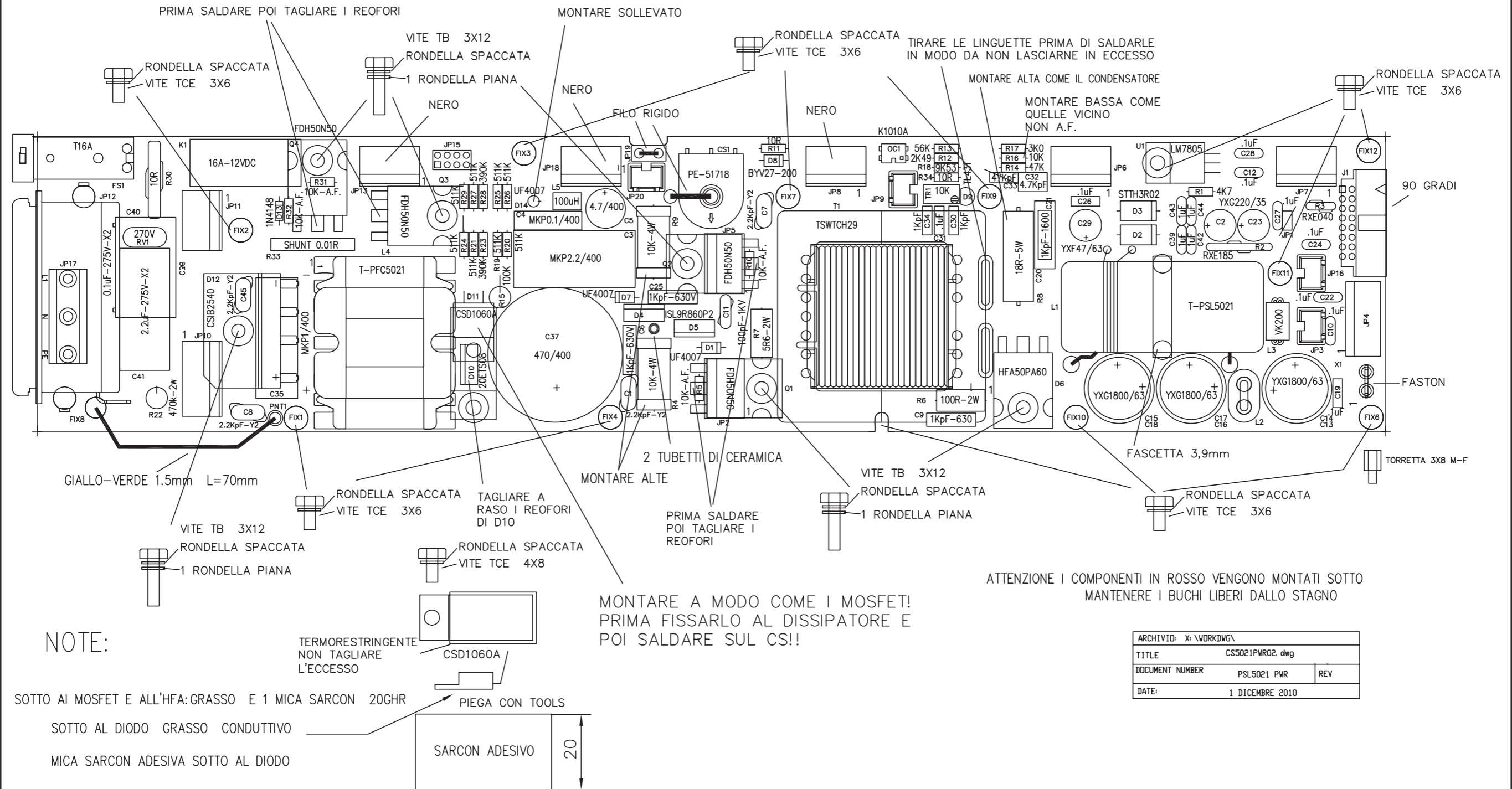
SL007PC3001

Scheda pannello serie PJ-C LCD - SL123PC2001  
 28/09/2010 Revision: 1.0  
 Serie PJ-C LCD  
 RVR123  
 Tommasi

Item	Quantity	Reference	Part	Description	Code
1	1	CS1	CSPANTXLC05	Circuito stampato	CSPANTXLC05
2	23	C1,C2,C3,C4,C5,C6,C7,C8, C9,C10,C11,C12,C13,C18, C19,C24,C25,C28,C30,C31, C33,C35,C36	0.1uF	Cond. SMD 0805	CCC085104KXC
3	7	C14,C15,C16,C17,C27,C32, C34	10uF/16V	Cond. Elett. SMD d. 4mm	CES106A160
4	14	C20,C21,C22,C37,C38,C39, C40,C41,C42,C43,C44,C46, C47,C48	1nF	Cond. SMD 0805	CCC085102KXC
5	2	C23,C29	15pF	Cond. SMD 0805	CCC085150JCC
6	1	C26	10uF/35V	Cond. Elett. SMD d. 5mm	CES106B350
7	1	C45	100pF	Cond. SMD 0805	CCC085101JCC
8	1	D1	LED-G5	LED Verde dia. 5mm	LEDV05
9	2	D2,D3	BILEDK	Doppio led V-R 5mm Catodo com.	LEDB05
10	1	D4	LED-Y5	LED Giallo dia. 5mm	LEDG05
11	1	D5	BAS32	MINIMELF SMD Diode	DISBAS32MINI
12	4	D6,D7,D8,D9	NC	Doppio Diodo SMD SOT23	
13	1	D11	5V1	MINIMELF SMD Zener Diode	DIZ5V1MINI
14	1	D13	NC	LED Giallo dia. 5mm	
15	8	FIX1, FIX2, FIX3, FIX4, FIX5, FIX6, FIX7, FIX8	FIX35	Foro fissaggio 3.5mm	
16	1	JP1	STM16S	Strip maschio 16 pin	Stecca tagliata
17	2	JP3, JP14	CN10PD	Connettore 10 poli Flat cs	CNTMCS10A
18	4	JP4, JP5, JP6, JP13	CN16PD	Connettore 16 poli Flat cs	CNTMCS16A
19	2	JP7, JP8	NC		
20	1	JP12	STM05S	Strip maschio 5 pin	Stecca tagliata
21	10	J1, J2, J3, J4, J5, J6, J7, J8, J9, J10	JSMD	Pad SMD a saldare	
22	2	OPT1, OPT2	TLP181	Optoisolatore SMD SO6	LEDTLP181
23	1	Q1	BC847	Trans. NPN SOT23	TRNBC847
24	1	Q3	BC817	Trans. NPN SOT23	TRNBC817
25	2	Q4, Q5	BCR185	Trans./Res. PNP SOT23	TRNBCR185
26	1	RV1	10K	Trimmer Rg O 3386X	RVT3386XK010
27	1	RV2	NC	Trimmer Rg V 3296W	
28	12	R1, R20, R40, R41, R42, R43, R44, R45, R46, R47, R67, R70	10K0	Res. SMD 0805 1%	RCH085F0010K
29	1	R2	1K07	Res. SMD 0805 1%	RCH085F01K07
30	8	R3, R4, R5, R6, R7, R8, R9, R10	1K0	Res. SMD 0805 1%	RCH085F0001K
31	8	R11, R12, R14, R15, R25, R49, R58, R71	NC	Res. SMD 0805 1%	
33	2	R13, R16	100H0	Res. SMD 0805 1%	RCH085F0100H
34	1	R72	330H0	Res. SMD 0805 1%	RCH085F0330H
35	18	R17, R18, R26, R27, R28, R33, R34, R35, R36, R37, R38, R39, R48, R54, R57, R60, R63, R66	4K70	Res. SMD 0805 1%	RCH085F004K7
36	8	R21, R22, R23, R24, R64, R65, R68, R69	1K80	Res. SMD 0805 1%	RCH085F001K8
37	2	R29, R50	22K0	Res. SMD 0805 1%	RCH085F0022K
38	4	R32, R52, R55, R61	100K0	Res. SMD 0805 1%	RCH085F0100K
39	1	R51	0H0	Res. SMD 0805 1%	RCH085F0000H
40	5	R19, R53, R56, R59, R62	22H0	Res. SMD 0805 1%	RCH085F0022H
41	4	SW1, SW2, SW3, SW4	PULCS1	Pulsante cs	PLC1V1M000M
42	1	U1	LM324SMD	Quad Op. SMD SO14	CILLM324SMD
43	1	U2	7406SMD	Hex inv OC SMD SO14	CID7406SMD
44	2	U3, U6	4094SMD	Shift Reg. SMD SO16	CIDCD4094SMD
45	1	U4	MAX232ESMD	RS232 Driver SMD SO16	CIDMX232CSES
46	1	U5	PIC18F452T	TQFP44 SMD Microprocessor	CIDPIC18F452
47	1	U10	82B715SO	IIC Bus driver SMD SO8	CID82B715S
48	1	X2	Q4M	Quarzo SMD HC49SMD	QRZ000004MC

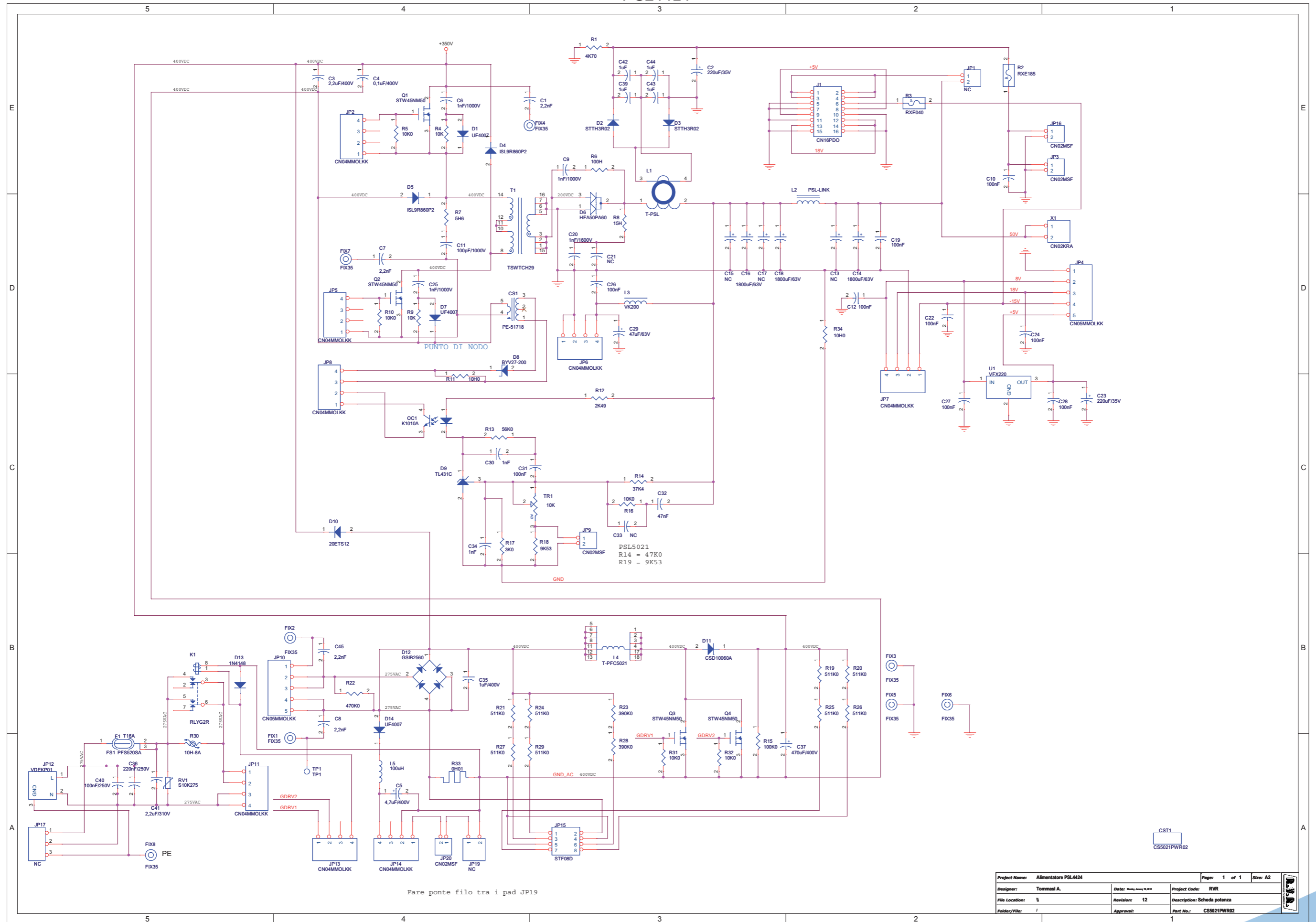
PSL4424

PIANO DI MONTAGGIO PSL5021 POWER





PSL4424



Project Name:	Alimentatore PSL4424	Page:	1 of 1	Size:	A2
Designer:	Tommasi A.	Date:	2012/11/29	Project Code:	RVR
File Location:	\\	Revision:	12	Description:	Scheda potenza
Folder/File:	/	Approval:		Part No.:	CS5021PWR02

PSL4424

Scheda potenza Revised: Friday, January 13, 2012  
CS5021PWR02 Revision: 12

Alimentatore PSL4424  
RVR

Tommasi A.

Bill Of Page1

Item	Quantity	Reference	Part	Description
1	2	JP10,JP4	CN05MMOLKK	Conn. Molex maschio serie KK p 3.96
2	8	JP2,JP5,JP6,JP7,JP8,JP11,JP13,JP14	CN04MMOLKK	Conn. Molex maschio serie KK p 3.96
3	1	CST1	CS5021PWR02	Circuito stampato
4	1	CS1	PE-51718	Inductor current sense
5	4	C1,C7,C8,C45	2,2nF	Cond. ceramico p 7mm Y2
6	2	C2,C23	220uF/35V	Cond. Elettr. Dia 8 P3 105°C
7	1	C3	2,2uF/400V	Cond. Poli. p 27mm
8	1	C4	0,1uF/400V	Cond. Poliestere p 15mm
9	1	C5	4,7uF/400V	Cond. Elettr. Dia 10 P5.08-105°C
10	3	C6,C9,C25	1nF/1000V	Cond. Poliestere p 10mm
11	6	C10,C12,C22,C24,C27,C28	100nF	Cond. ceramico p 5mm
12	1	C11	100pF/1000V	Cond. ceramico p 5mm alta tensione
13	3	C13,C15,C17	NC	Cond. Elettr. Dia 18 P7 105°C
14	3	C14,C16,C18	1800uF/63V	Cond. Elettr. Dia 18 P7 105°C
15	3	C19,C26,C31	100nF	Cond. Poliestere p 5mm
16	1	C20	1nF/1600V	Cond. Poliestere p 15mm
17	1	C21	NC	Cond. Poliestere p 10mm
18	1	C29	47uF/63V	Cond. Elettr. Dia 6.5 P2.54 105°C
19	2	C30,C34	1nF	Cond. Poliestere p 5mm
20	1	C32	47nF	Cond. Poliestere p 5mm (5*7mm)
21	1	C33	NC	Cond. Poliestere p 5mm
22	1	C35	1uF/400V	Cond. Poli. p 27mm
23	1	C36	220nF/250V	Cond. Poli. p 22mm X2
24	1	C37	470uF/400V	Cond. Elettr. Dia 35 P10 105°C
25	4	C39,C42,C43,C44	1uF	Cond. ceramico p 5mm
26	1	C40	100nF/250V	Cond. Poliestere p 15mm X2
27	1	C41	2,2uF/310V	Cond. Poli. p 27mm X2
28	2	D1,D7,D14	UF4007	Diode plastico DO41
29	2	D2,D3	STTH3R02	Diode Ultrafast DO201
30	2	D4,D5	ISL9R860P2	Diode Stealth TO220
31	1	D6	HFA50PA60	Doppio Diode TO217
32	1	D8	BYV27-200	Diode shottky SOD57
33	1	D9	TL431C	TO92 Reference
34	1	D10	20ETS08	Diode TO220
35	1	D11	CSD10060A	Diode Zero recovery TO220-2
36	1	D12	GSIB2560	Ponte diodi GSIB-5S
37	1	D13	1N4148	Diode in vetro DO35
38	8	FIX1,FIX2,FIX3,FIX4,FIX5,FIX6,FIX7,FIX8	FIX35	Foro fissaggio 3.5mm
39	1	FS1	PFS520SA	Portafusibile 5x20
40	1	F1	T16A	Fusibile Ritardato 5x20mm
41	1	JP1	NC	Strip maschio 2 pin

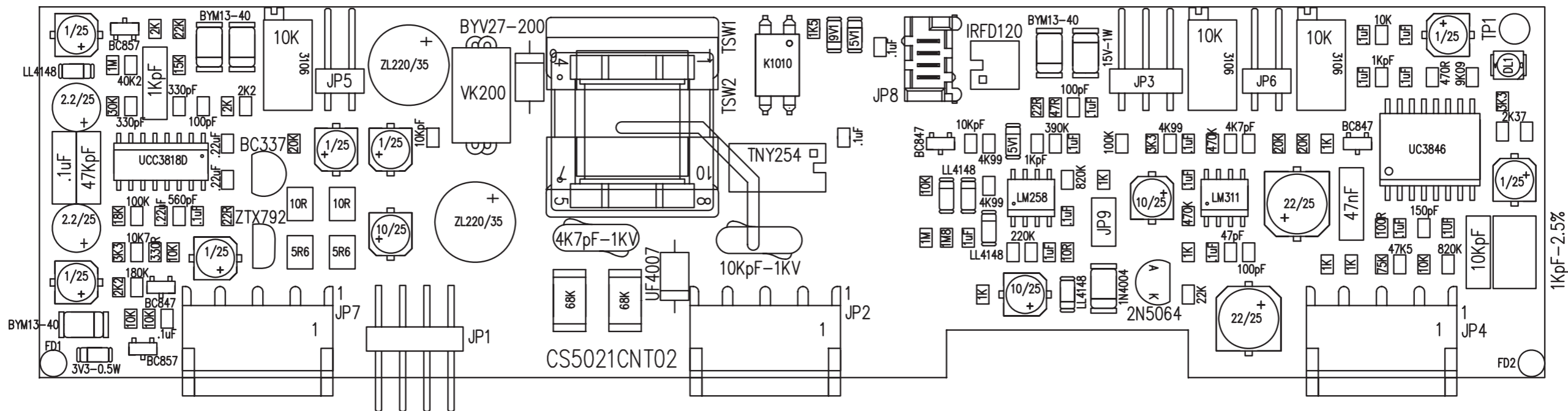
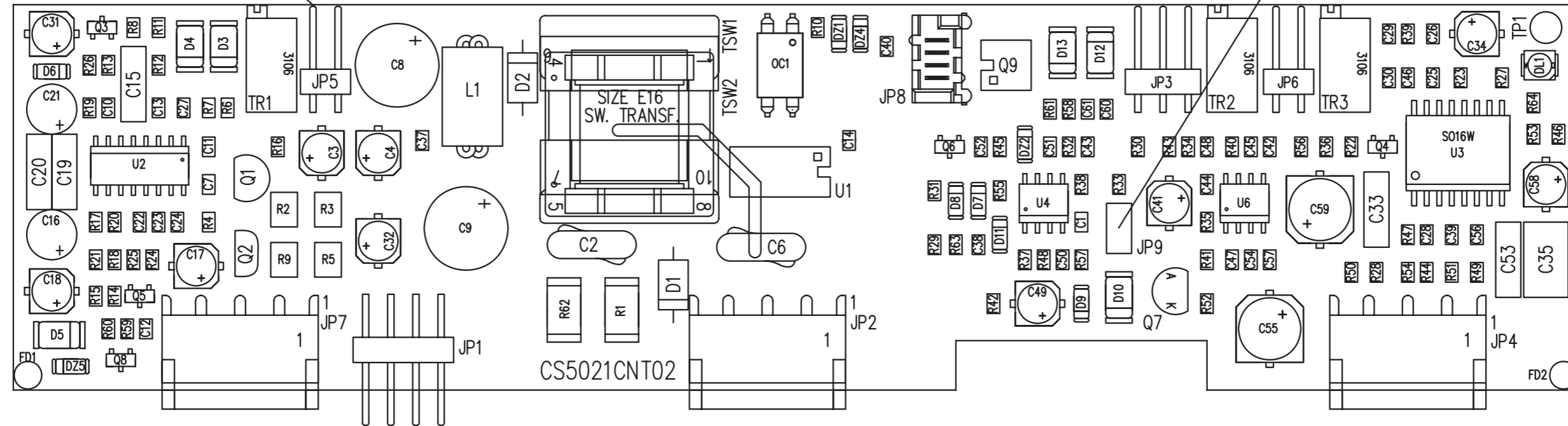
42	4	JP3,JP9,JP16,JP20	CN02MSF	Connettore 2 poli Lumberg MSF p 2.5mm
43	1	JP12	VDEKP01	Conn. VDE con interruttore
44	1	JP15	STF08D	Strip femmina 4+4 pin
45	1	JP17	NC	Conn. tipo KRA a 3 poli p 10mm
46	1	JP19	NC	Conn. tipo KRA a 2 poli
47	1	J1	CN16PDO	Conn.M.C.S.90° 16P alette.
48	1	K1	RLYG2R	Rele' OMRON G2R-1
49	1	L1	T-PSL	Trasf. Ventole PSL
50	1	L2	PSL-LINK	Ind. Link PSL
51	1	L3	VK200	Induttanza cilindrica VK200
52	1	L4	T-PFC5021	Induttanza PFC PSL5021
53	1	L5	100uH	Induttanza Neosid
54	1	OC1	K1010A	Optoisolatore DIP4
55	4	Q1,Q2,Q3,Q4	STW45NM50	
56	1	RV1	S10K275	Varistor dia. 10mm
57	1	R1	4K70	Res. 1/4W 1%
58	1	R2	RXE185	Fusibile autorip. RXE p5mm
59	1	R3	RXE040	Fusibile autorip. RXE p5mm
60	2	R4,R9	10K	Res. filo 5W
61	4	R5,R10,R31,R32	10K0	Res. 1W Antifiamma
62	1	R6	100H	Res. strato 2W
63	1	R7	5H6	Res. strato 2W
64	1	R8	15H	Res. filo 5W
65	2	R11,R34	10H0	Res. 1/4W 1%
66	1	R12	2K49	Res. 1/4W 1%
67	1	R13	56K0	Res. 1/4W 1%
68	1	R14	37K4	Res. 1/4W 1%
69	1	R15	100K0	Res. strato 2W
70	1	R16	10K0	Res. 1/4W 1%
71	1	R17	3K0	Res. 1/4W 1%
72	1	R18	9K53	Res. 1/4W 1%
73	8	R19,R20,R21,R24,R25,R26,R27,R29	511K0	Res. 1/4W 1%
74	1	R22	470K0	Res. strato 2W
75	2	R23,R28	390K0	Res. 1/4W 1%
76	1	R30	10H-8A	Res. NTC di potenza p 6mm
77	1	R33	0H01	Shunt OAR 5W
78	1	TP1	TP1	Test point
79	1	TR1	10K	Trimmer Rg V 3296W
80	1	T1	TSWTCH29	Trasf. switching Tisci xx
81	1	U1	LM7805	Stabilizzatore TO220
82	1	X1	FSTCS	Faston da CS

PSL4424

# PIANO DI MONTAGGIO PSL5021 CNT

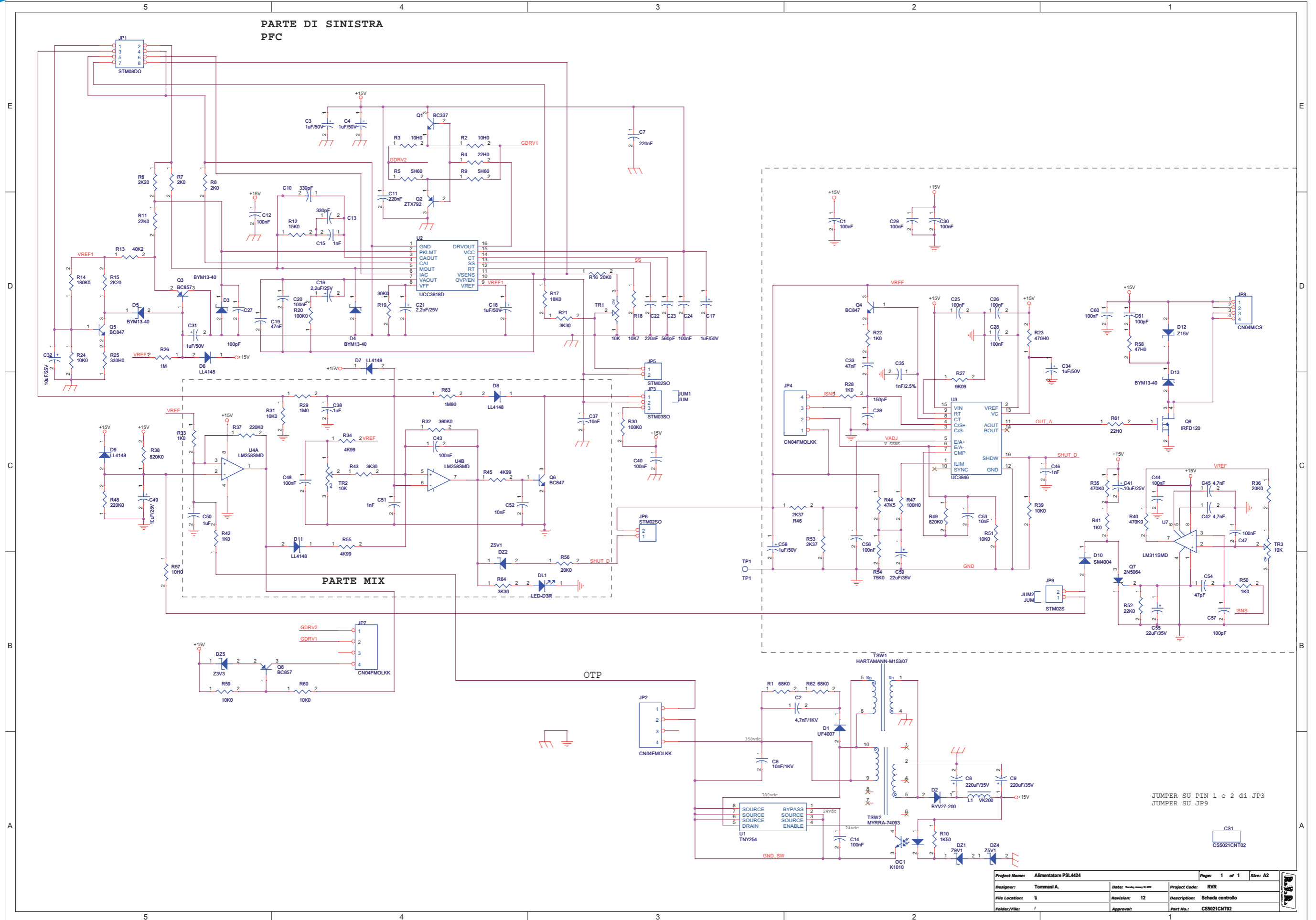
MONTARE JUMPER

MONTARE JUMPER



ARCHIVIO: X:\WORKDWG\	
TITLE CS5021CNT02.dwg	
DOCUMENT NUMBER	PSL5021 CNT REV2
DATE:	31 MARZO 2011

PSL4424



JUMPER SU PIN 1 e 2 di JP3  
JUMPER SU JP9

CS1  
CS5021CNT02

Project Name:	Alimentatore PSL4424	Page:	1 of 1	Size:	A2
Designer:	Tommasi A.	Date:	2011.11.29	Project Code:	RVR
File Location:	\\	Revision:	12	Description:	Scheda controllo
Folder/File:	/	Approvato:		Part No.:	CS5021CNT02

PSL4424

Scheda controllo Revised: Thursday, January 12, 2012  
CS5021CNT02 Revision: 12

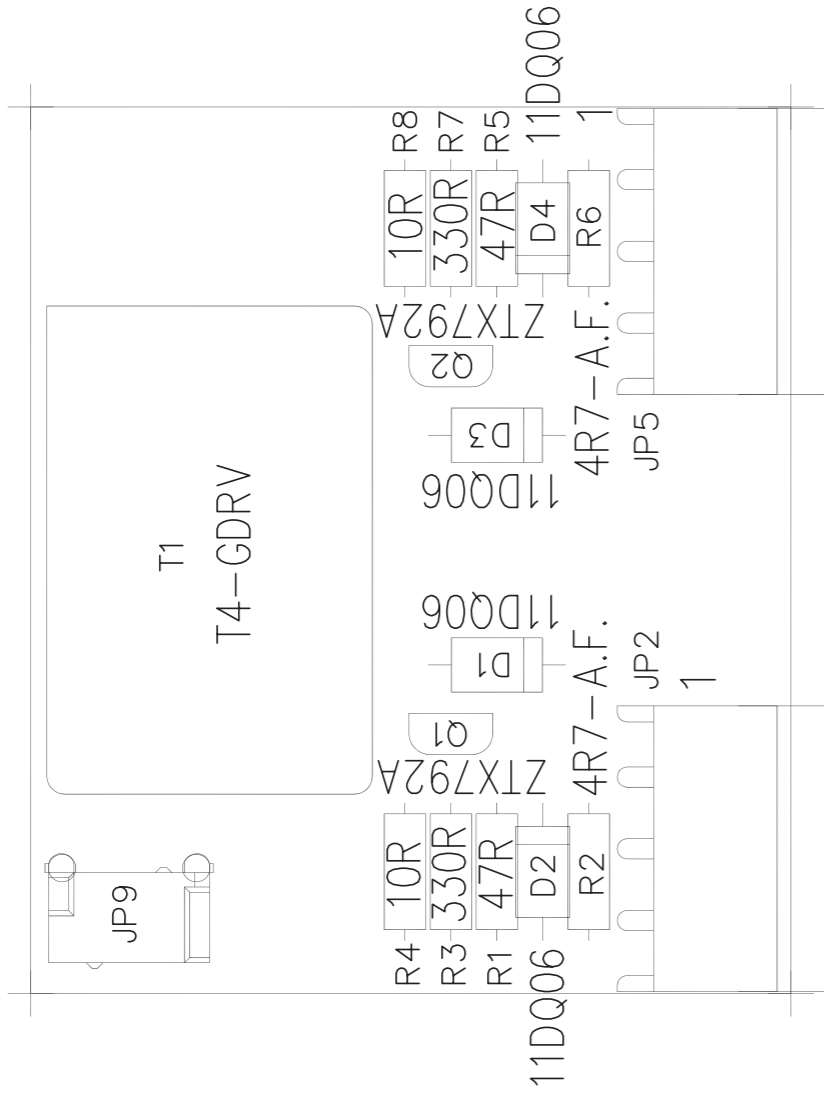
Alimentatore PSL4424  
RVR

Item	Quantity	Reference	Part	Description
1	1	CS1	CS5021CNT02	Circuito stampato
2	16	C1,C12,C14,C24,C25,C26,C28,C29,C30,C40,C43,C44,C47,C48,C56,C60	100nF	Cond. SMD 0805
3	1	C2	4,7nF/1KV	Cond. ceramico p 5mm alta tensione
4	7	C3,C4,C17,C18,C31,C34,C58	1uF/50V	Cond. Elett. SMD d. 4mm
5	1	C6	10nF/1KV	Cond. ceramico p 5mm alta tensione
6	3	C7,C11,C22	220nF	Cond. SMD 0805
7	2	C8,C9	220uF/35V	Cond. Elett. Dia 8 P5 105°C
8	2	C10,C13	330pF	Cond. SMD 0805
9	1	C15	1nF	Cond. Poliestere p 5mm
10	2	C16,C21	2,2uF/25V	Cond. Elett. Tant. p. 2.5mm
11	2	C19,C33	47nF	Cond. Poliestere p 5mm
12	1	C20	100nF	Cond. Poliestere p 5mm
13	1	C23	560pF	Cond. SMD 0805
14	3	C27,C57,C61	100pF	Cond. SMD 0805
15	3	C32,C41,C49	10uF/25V	Cond. Elett. SMD d. 4mm
16	1	C35	1nF/2.5%	Cond. Poliestere p 5mm (5*7mm)
17	2	C37,C52	10nF	Cond. SMD 0805
18	2	C38,C50	1uF	Cond. SMD 0805
19	1	C39	150pF	Cond. SMD 0805
20	2	C42,C45	4,7nF	Cond. SMD 0805
21	2	C46,C51	1nF	Cond. SMD 0805
22	1	C53	10nF	Cond. Poliestere p 5mm
23	1	C54	47pF	Cond. SMD 0805
24	2	C55,C59	22uF/35V	Cond. Elett. SMD d. 6.3mm
25	1	DL1	LED-D3R	LED SMD PLCC2
26	1	DZ1	Z9V1	MINIMELF SMD Zener Diode
27	2	DZ2,DZ4	Z5V1	MINIMELF SMD Zener Diode
28	1	DZ5	Z3V3	MINIMELF SMD Zener Diode
29	1	D1	UF4007	Diode plastico DO41
30	1	D2	BYV27-200	Diode in vetro SOD57
31	4	D3,D4,D5,D13	BYM13-40	Diode shottky MELF
32	5	D6,D7,D8,D9,D11	LL4148	MINIMELF SMD Diode
33	1	D10	SM4004	MELF SMD Diode
34	1	D12	Z15V	MELF SMD Zener Diode
35	1	JP1	STM08DO	Strip maschio 4+4 pin 90°
36	3	JP2,JP4,JP7	CN04FMOLKK	Conn. Molex femm. serie KK p 3.96
37	1	JP3	STM03SO	Strip maschio 3 pin a 90°
38	2	JP5,JP6	STM02SO	Strip maschio 2 pin a 90°
39	1	JP8	CN04MICS	Conn. Lumberg MICS
40	1	JP9	STM02S	Strip maschio 2 pin
41	2	JUM1,JUM2	JUM	Ponticello Jumper
42	1	L1	VK200	Induttanza cilindrica VK200
43	1	OC1	K1010	Optoisolatore DIP4
44	1	Q1	BC337	Trans. NPN TO92
45	1	Q2	ZTX792	Trans. PNP TO92
46	2	Q3,Q8	BC857	Trans. PNP SOT23
47	3	Q4,Q5,Q6	BC847	Trans. NPN SOT23
48	1	Q7	2N5064	TO92 SCR
49	1	Q9	IRFD120	Trans. FET N DIL4

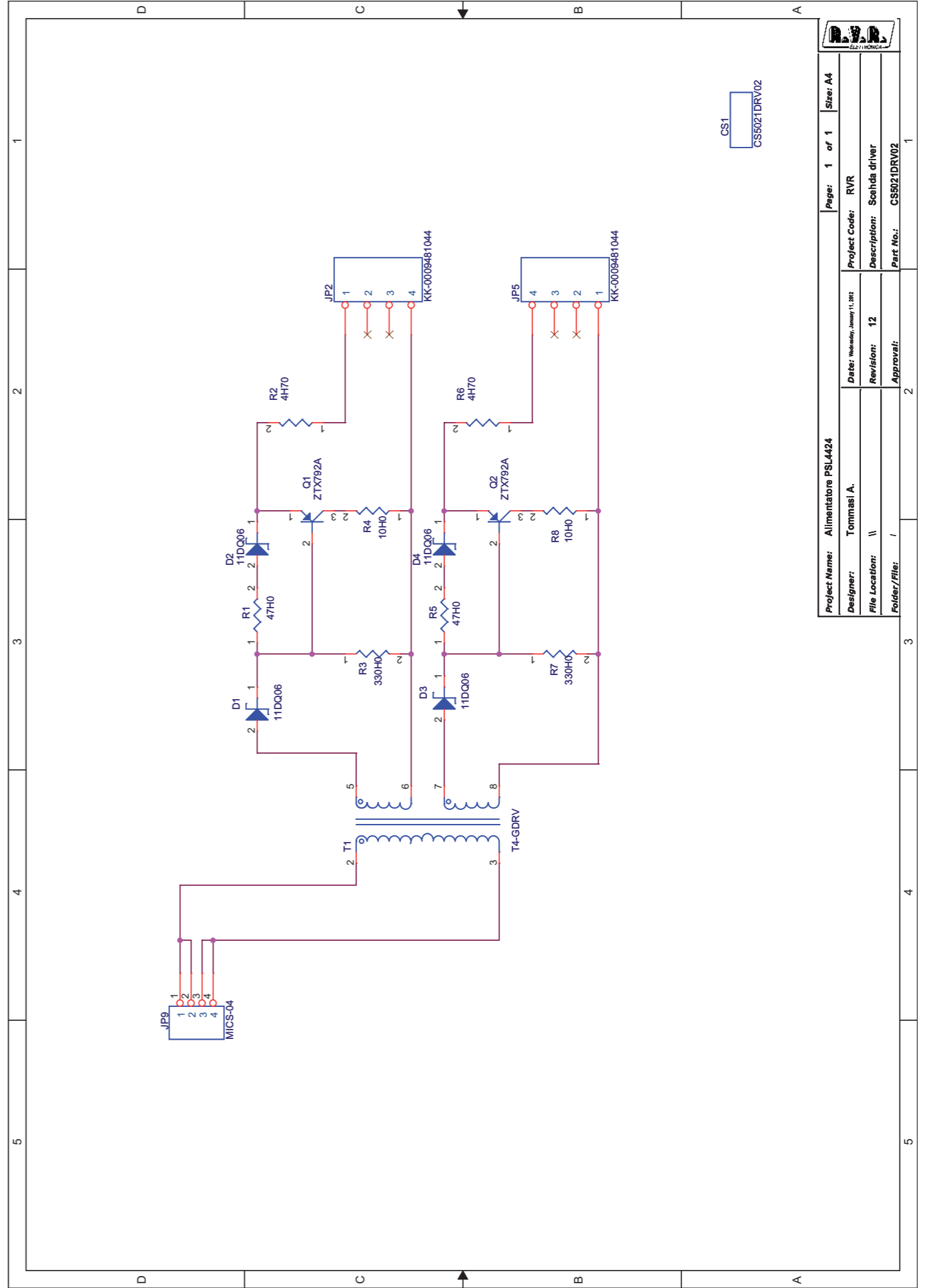
50	2 R1,R62	68K0	Res. SMD 2512 1%
51	2 R2,R3	10H0	Res. SMD 1210
52	2 R4,R61	22H0	Res. SMD 0805
53	2 R5,R9	5H60	Res. SMD 1210
54	2 R6,R15	2K20	Res. SMD 0805
55	2 R7,R8	2K0	Res. SMD 0805
56	1 R10	1K50	Res. SMD 0805
57	2 R11,R52	22K0	Res. SMD 0805
58	1 R12	15K0	Res. SMD 0805
59	1 R13	40K2	Res. SMD 0805
60	1 R14	180K0	Res. SMD 0805
61	3 R16,R36,R56	20K0	Res. SMD 0805
62	1 R17	18K0	Res. SMD 0805
63	1 R18	10K7	Res. SMD 0805
64	1 R19	30K0	Res. SMD 0805
65	2 R20,R30	100K0	Res. SMD 0805
66	3 R21,R43,R64	3K30	Res. SMD 0805
67	6 R22,R28,R33,R41,R42,R50	1K0	Res. SMD 0805
68	1 R23	470H0	Res. SMD 0805
69	6 R24,R31,R39,R51,R59,R60	10K0	Res. SMD 0805
70	1 R25	330H0	Res. SMD 0805
71	2 R26,R29	1M0	Res. SMD 0805
72	1 R27	9K09	Res. SMD 0805
73	1 R32	390K0	Res. SMD 0805
74	1 R34,R45,R55	4K99	Res. SMD 0805
75	3 R35,R40	470K0	Res. SMD 0805
76	2 R37,R48	220K0	Res. SMD 0805
77	2 R38,R49	820K0	Res. SMD 0805
78	2 R44	47K5	Res. SMD 0805
79	1 R46,R53	2K37	Res. SMD 0805
80	2 R47	100H0	Res. SMD 0805
81	1 R54	75K0	Res. SMD 0805
82	1 R57	10H0	Res. SMD 0805
83	1 R58	47H0	Res. SMD 0805
84	1 R63	1M80	Res. SMD 0805
85	1 TP1	TP1	Test point
86	1 TR1,TR2,TR3	10K	Trimmer Rg H 3296X
87	3 TSW1	HARTAMANN-M153/07	
88	1 TSW2	MYRRA-74093	
89	1 U1	TNY254	Switching controller
90	1 U2	UCC3818D	Power Factor controller
91	1 U3	UC3846	Switching controller
92	1 U4	LM258SMD	Dual Op. SMD SO8
93	1 U7	LM311SMD	Comp. SMD SO8

PSL4424

PIANO DI MONTAGGIO PSL5021 DRV



ARCHIVIO: X:\WORKDWG\
TITLE CS5021DRV02.dwg
DOCUMENT NUMBER PSL5021 DRV
DATE: 13 APRILE 2009
REV2



Project Name: Alimentatore PSL4424		Page: 1 of 1	Size: A4
Designer: Tommasi A.	Date: November, January 11, 2011	Project Code: RVR	
File Location: \\	Revision: 12	Description: Scheda driver	
Folder/File: /	Approval:	Part No.: CS5021DRV02	

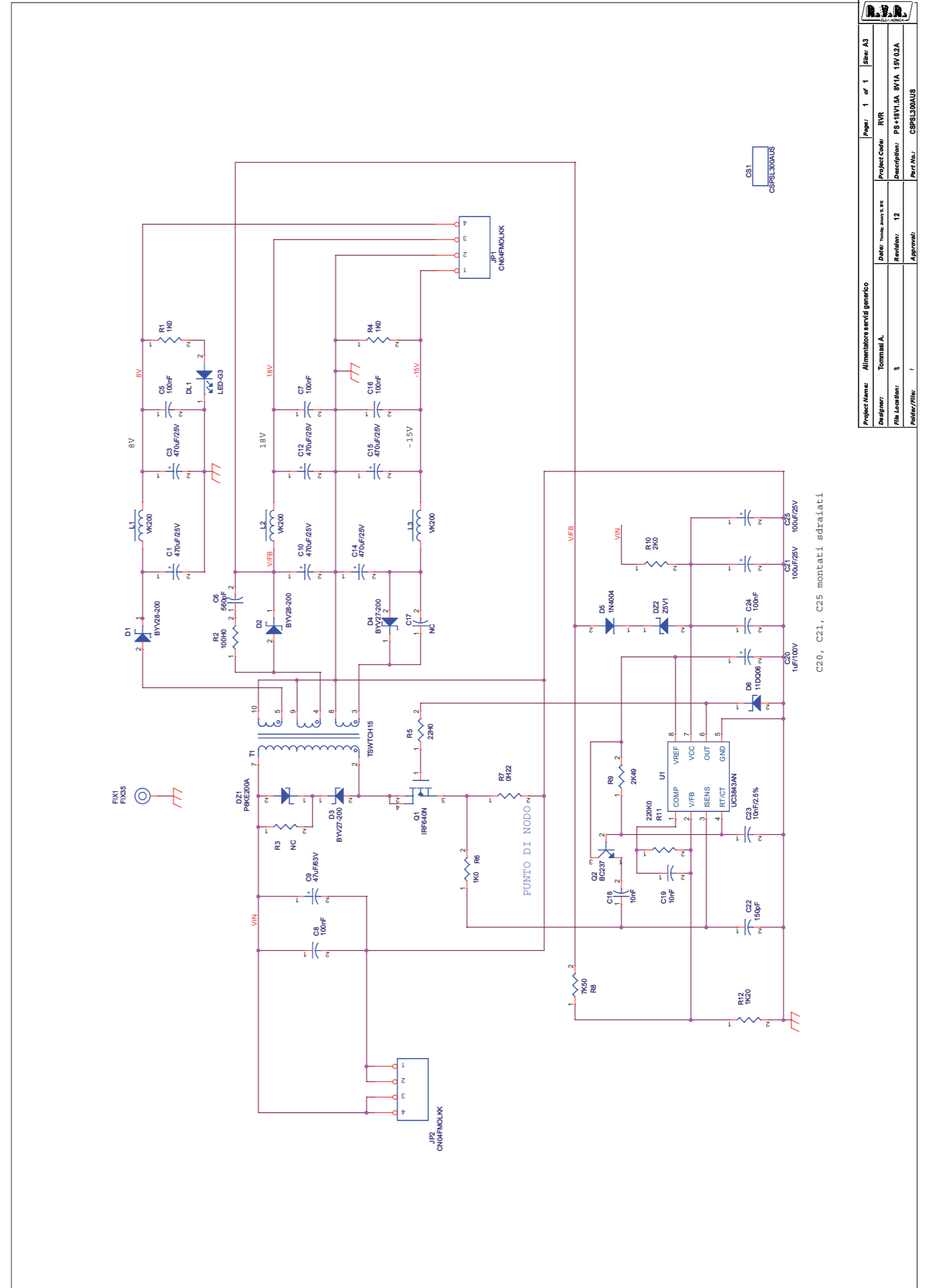
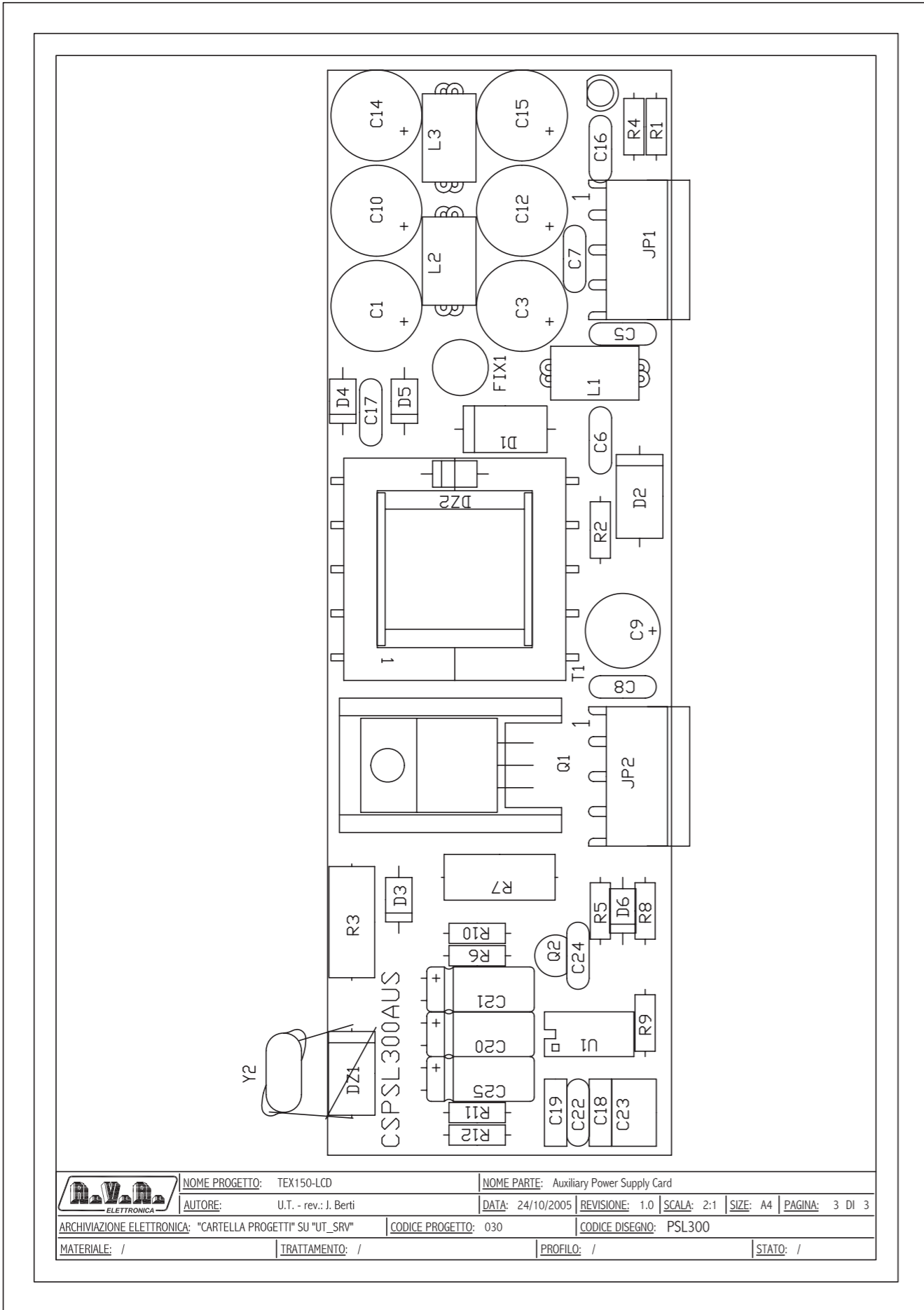
PSL4424

Scehda driver Revised: Wednesday, January 11, 2012  
 CS5021DRV02 Revision: 12

Alimentatore PSL4424  
 RVR

Item	Quantity	Reference	Part	Description
1	1	CS1	CS5021DRV02	Circuito stampato
2	4	D1,D2,D3,D4	11DQ06	Diodo shottky DO41G
3	2	JP2,JP5	KK-0009481044	Conn. Molex femm. serie KK p 3.96
4	1	JP9	MICS-04	Conn. Lumberg MICS
5	2	Q1,Q2	ZTX792A	Trans. PNP TO92
6	2	R1,R5	47H0	Res. 1/4W 1%
7	2	R2,R6	4H70	Res. 1W 5%Antifiamma
8	2	R3,R7	330H0	Res. 1/4W 1%
9	2	R4,R8	10H0	Res. 1/4W 1%
10	1	T1	T4-GDRV	Gate driver transformer

PSL4424



Project Name:	Alimentazione scheda generico	Page:	1	of	1	Issue:	A3	
Designer:	Tommali A.	Project Code:	RVR		Date:	19/06/2012	Rev:	1
File Location:	/	Description:	PS-18V1.5A, BVVA, 18V, 0.2A		Revision:	12	Part No.:	CSPSL300AUS
Author/Title:	/	Approval:						

C20, C21, C25 montati sdraiati

	NOME PROGETTO:	TEX150-LCD	NOME PARTE:		Auxiliary Power Supply Card						
	AUTORE:	U.T. - rev.: J. Berti	DATA:	24/10/2005	REVISIONE:	1.0	SCALA:	2:1	SIZE:	A4	PAGINA:
ARCHIVIAZIONE ELETTRONICA:		"CARTELLA PROGETTI" SU "UT_SRV"	CODICE PROGETTO:		030		CODICE DISEGNO:		PSL300		
MATERIALE:		/	TRATTAMENTO:		/		PROFILO:		/		
							STATO:		/		

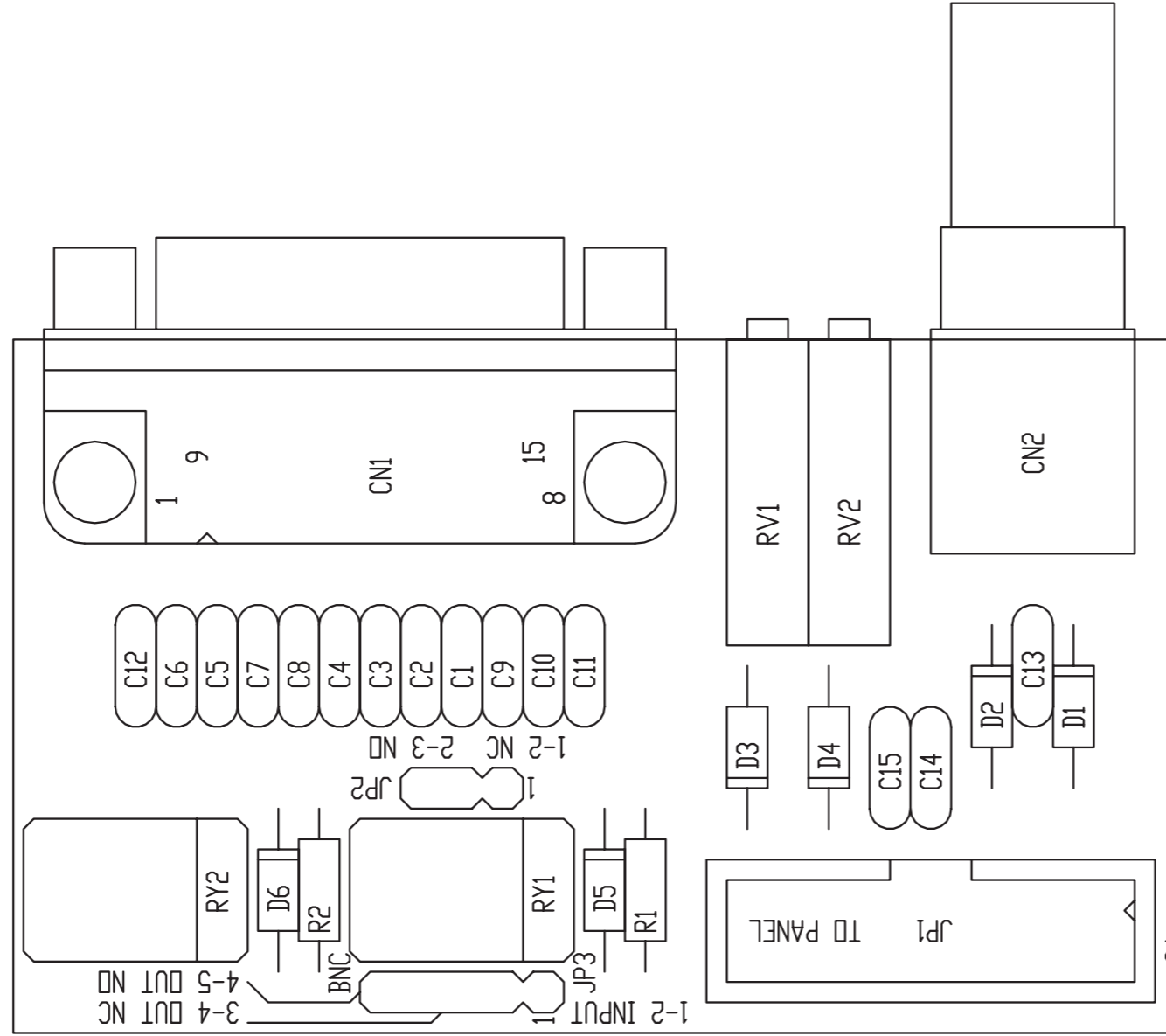


PSL4424

PS +18V1.5A 8V1A 15V 0.2A Revised: Thursday, January 12, 2012  
 CSPSL300AUS Revision: 12

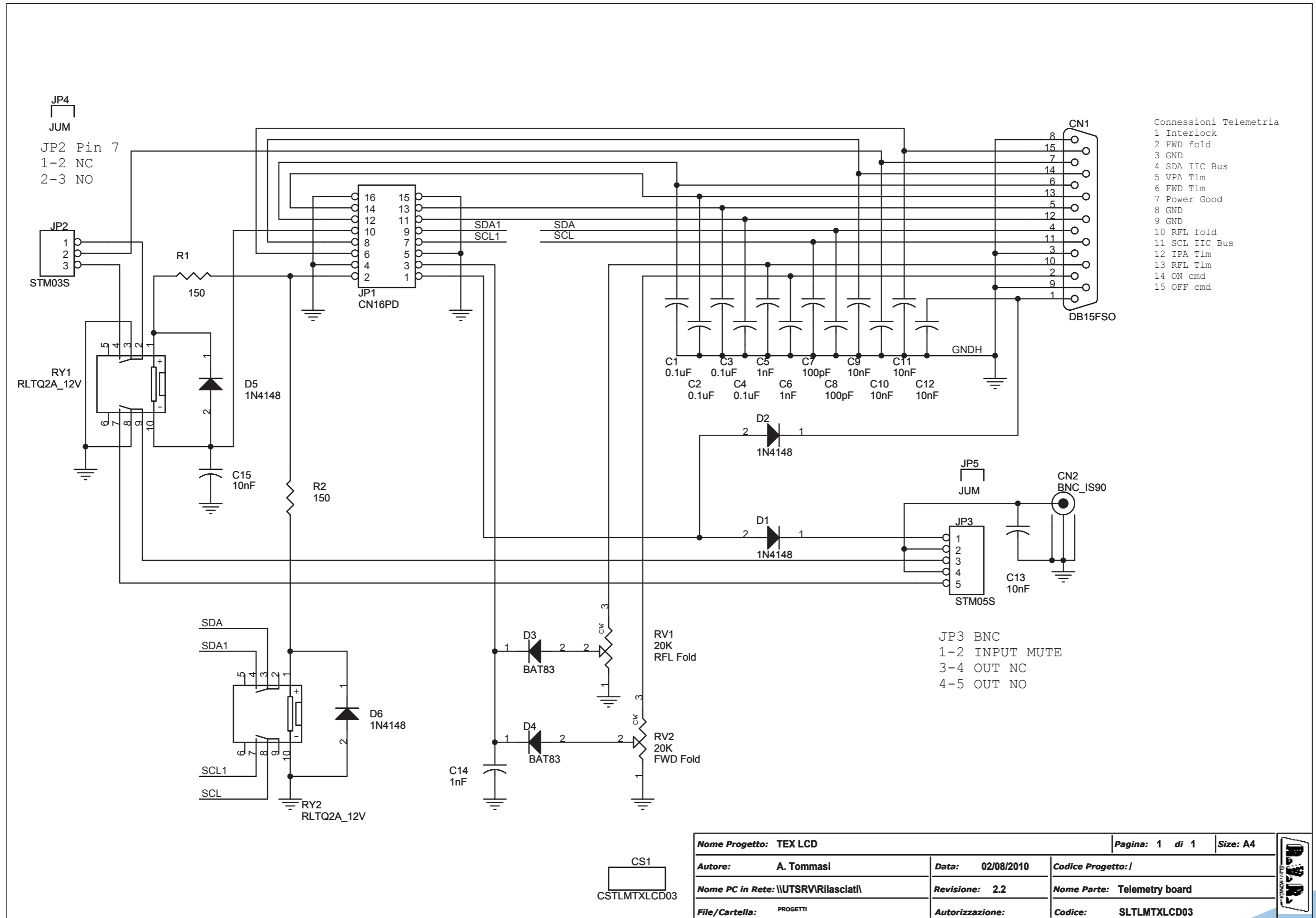
Alimentatore servizi generico  
 RVR

Item	Quantity	Reference	Part	Description
1	1	CS1	CSPSL300AUS	Circuito stampato
2	6	C1,C3,C10,C12,C14,C15	470uF/25V	Cond. Elettr. Dia 10 P5.08-105°C
3	4	C5,C7,C16,C24	100nF	Cond. ceramico p 5mm
4	1	C6	560pF	Cond. ceramico p 5mm
5	1	C8	100nF	Cond. Poliestere p 5mm
6	1	C9	47uF/63V	Cond. Elettr. Dia 6.5 P2.54 105°C
7	1	C17	NC	Cond. ceramico p 5mm
8	2	C18,C19	10nF	Cond. ceramico p 5mm
9	1	C20	1uF/100V	Cond. Elettr. Dia 5 P2.54
10	2	C21,C25	100uF/25V	Cond. Elettr. Dia 5 P2.54
11	1	C22	150pF	Cond. ceramico p 5mm
12	1	C23	10nF/2.5%	Cond. Poliestere p 5mm (5*7mm)
13	1	DL1	LED-G3	LED Verde dia. 3mm
14	1	DZ1	P6KE200A	5W Transient Voltage Supp.
15	1	DZ2	Z5V1	1W Zener Diode
16	2	D1,D2	BYV28-200	Diodo shottky SOD64
17	2	D3,D4	BYV27-200	Diodo shottky SOD57
18	1	D5	1N4004	Diodo plastico DO41
19	1	D6	11DQ06	Diodo shottky DO41G
20	1	FIX1	FIX35	Foro fissaggio 3.5mm
21	2	JP1,JP2	CN04FMOLKK	Conn. Molex femm. serie KK p 3.96
22	3	L1,L2,L3	VK200	Induttanza cilindrica VK200
23	1	Q1	IRF640N	Trans. FET N TO220
24	1	Q2	BC237	Trans. NPN TO92
25	3	R1,R4,R6	1K0	Res. 1/4W 1%
26	1	R2	100H0	Res. 1/4W 1%
27	1	R3	NC	Res. 1/4W 1%
28	1	R5	22H0	Res. 1/4W 1%
29	1	R7	0H22	Res. strato 2W
30	1	R8	7K50	Res. 1/4W 1%
31	1	R9	2K49	Res. 1/4W 1%
32	1	R10	2K0	Res. 1/4W 1%
33	1	R11	220K0	Res. 1/4W 1%
34	1	R12	1K20	Res. 1/4W 1%
35	1	T1	TSWTCH15	Trasf. switching Tisci15
36	1	U1	UC3843AN	SO8 Switching controller



	NOME PROGETTO: TEX LCD	NOME PARTE: SCHEDA TELEMETRY BOARD
ARCHIVIAZIONE ELETTRONICA: "CARTELLA PROGETTI" SU "UT_SRY"	AUTORE: S.POLUZZI	DATA: 11/11/04
MATERIALE: FR4-74 1.6mm	TRATTAMENTO: Cu 35um	REVISIONE: 3.0
	CODICE PROGETTO: /	SCALA: 2:1
	PROFILO: /	SIZE: A4
	STATO: PROGETTUALE	PAGINA: 1 DI 1
		CODICE DISEGNO: CSTLMTXLCD03

SLTLMTXLCD03



SLTLMTXLCD03

Telemetry board Revised: 02/08/10  
 SLTLMTXLCD03 Revision: 2.2  
 TEX-LCD/RXRL-LCD/PTRL-LCD  
 Andrea Tommasi

Item	Quantity	Reference	Part	Description
1	1	CN1	DB15FSO	Connettore DB15 femm. cs 90°
2	1	CN2	BNC_IS90	Connettore BNC metallico 90°
3	1	CS1	CSTLMTXLCD03	Circuito stampato
4	4	C1, C2, C3, C4	0.1uF	Cond. ceramico p 5mm
5	3	C5, C6, C14	1nF	Cond. ceramico p 5mm
6	2	C7, C8	100pF	Cond. ceramico p 5mm
7	6	C9, C10, C11, C12, C13, C15	10nF	Cond. ceramico p 5mm
8	4	D1, D2, D5, D6	1N4148	Diode in vetro DO35
9	2	D3, D4	BAT83	Diode Hot carrier DO35
10	1	JP1	CN16PD	Connettore 16 poli Flat cs
11	1	JP2	STM03S	Strip maschio 3 pin
12	1	JP3	STM05S	Strip maschio 5 pin
13	2	JP4, JP5	JUM	Ponticello Jumper <span style="float: right;">Nota 1</span>
14	2	RV1, RV2	20K	Trimmer Rg H 3006
15	2	RY2, RY1	RLTQ2A_12V	Rele' TQ2
15	2	R1, R2	150	Res. 1/4W

**Nota 1** Inserire i jumper in posizione:  
 2-3 in JP2  
 1-2 in JP3