
TEX30-LCD



User Manual Volume 2: Technical Appendix

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

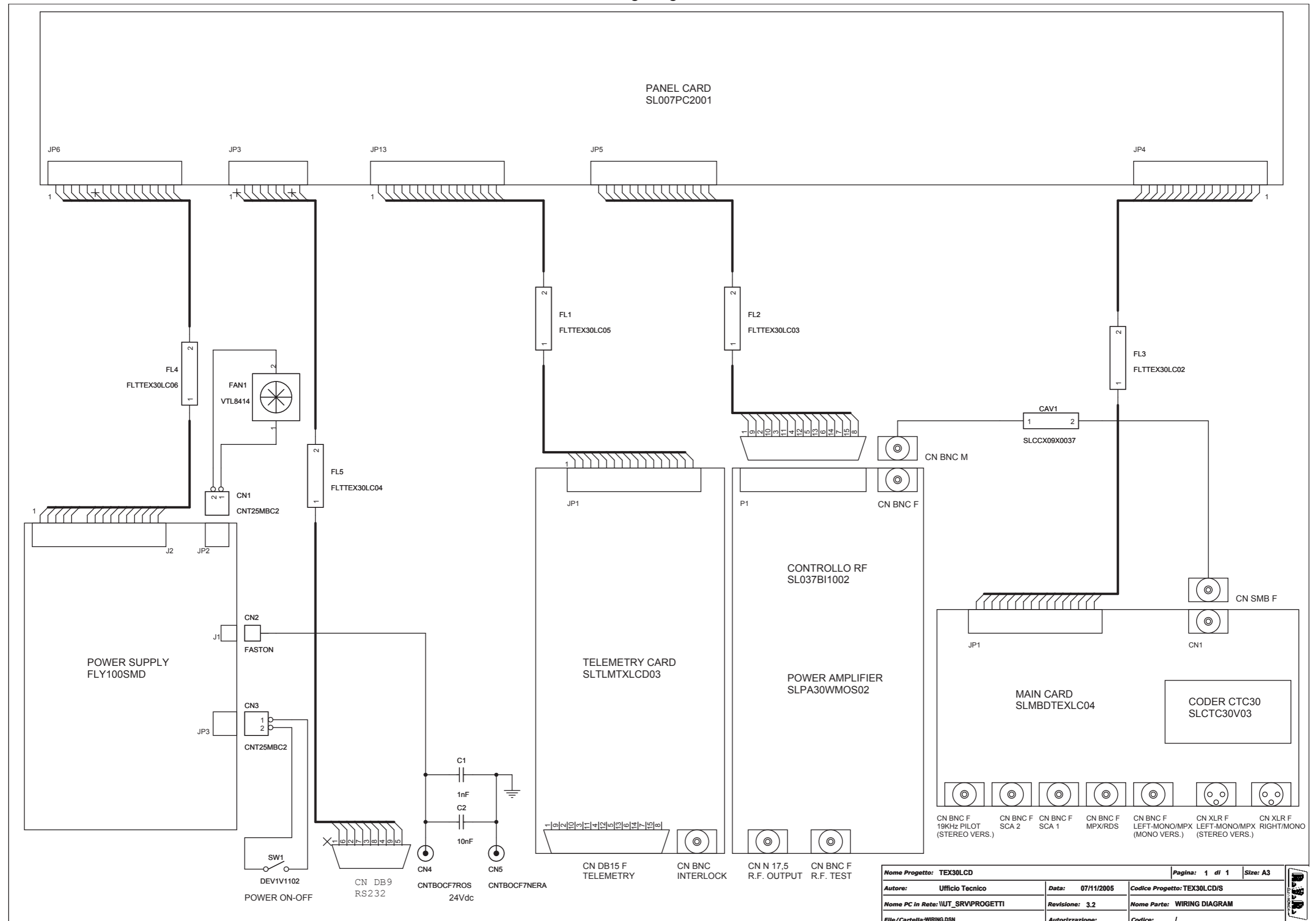
Questa parte del manuale contiene i dettagli tecnici riguardanti la costruzione delle singole schede componenti il TEX30-LCD. L'appendice è composta dalle seguenti sezioni:

This part of the manual contains the technical details about the different boards of the TEX30-LCD. This appendix is composed of the following sections:

Description	RVR Code	Vers.	Page
Wiring Diagrams	KCABTEX30LCD	3.2	1
Main Board	SLMBDTEXLC04	4.6	3
Control Card	SL037BI1001	1.0	10
Power Amplifier	SLPA30WMOS02	1.0	13
Panel Card	SL007PC2001A	1.4	16
Power Supply	FLY100SMD	2.0	18
Telemetry Card	SLTLMTXLCD03	3.0	18

Document History

Date	Version	Reason	Code	Editor
16/03/05	2.4	Main Card Upgraded	N.D.	J.H. Berti
01/04/05	2.5	Wiring Diagram, Power Amplifier & Power Supply Upgraded, Control Card Added	N.D.	J.H. Berti
10/05/05	2.6	Wiring Diagram & Panel Card upgaded	N.D.	J.H. Berti
07/11/05	2.7	Wiring Diagram & Power Amplifier upgaded	RM42RVR05/RM1305	J.H. Berti
10/01/06	2.8	SL007PC2001A & SLMBDTEXLC04 upgaded	RM1405/RM2505	J.H. Berti

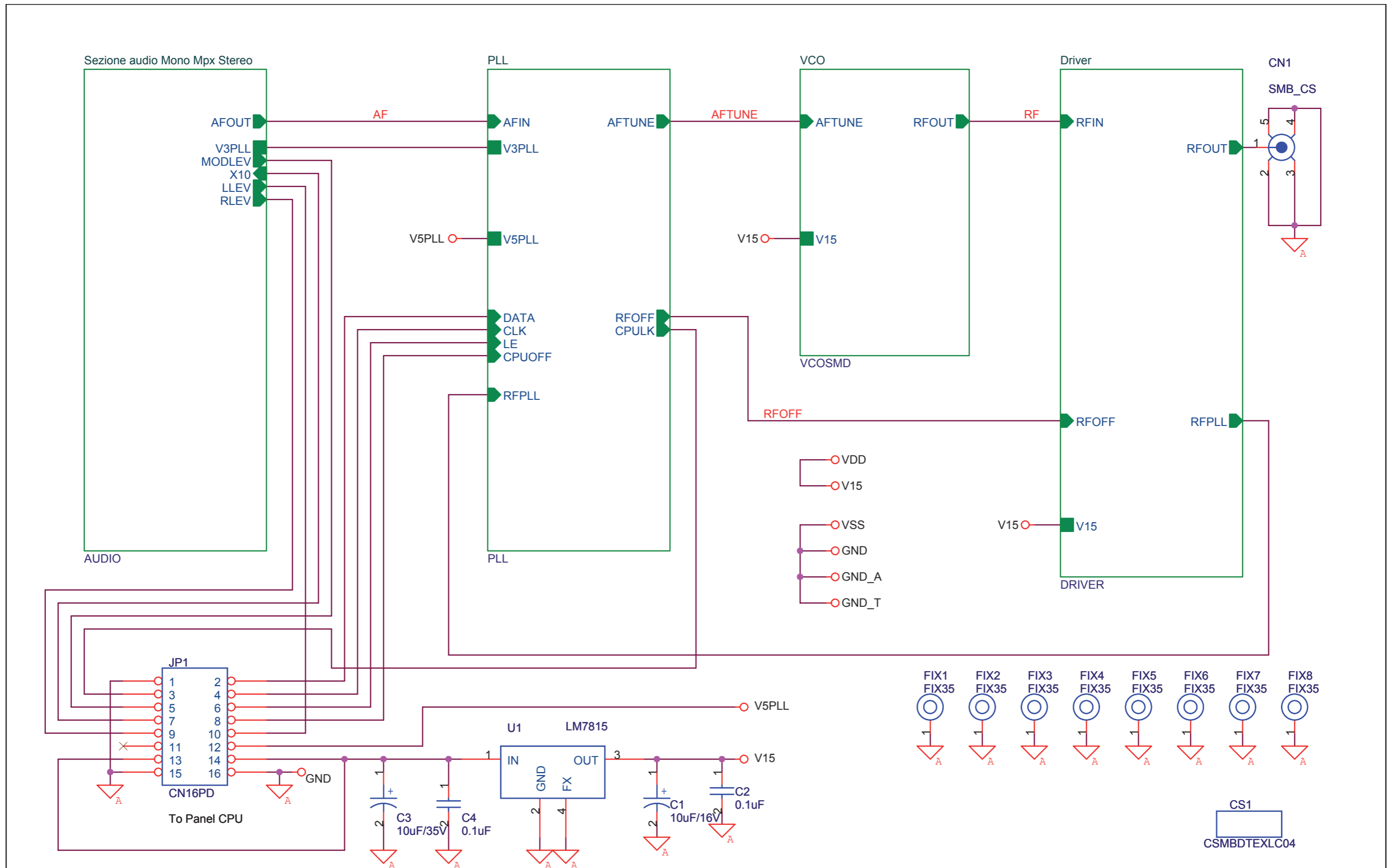


Nome Progetto: TEX30LCD		Pagina: 1 di 1		Size: A3
Autore: Ufficio Tecnico	Data: 07/11/2005	Codice Progetto: TEX30LCD/S		
Nome PC in Rete: \\\UT_SRPVPROGETTI	Revisione: 3.2	Nome Parte: WIRING DIAGRAM		
File/Cartella: WIRING.DSN	Autorizzazione:	Codice: /		

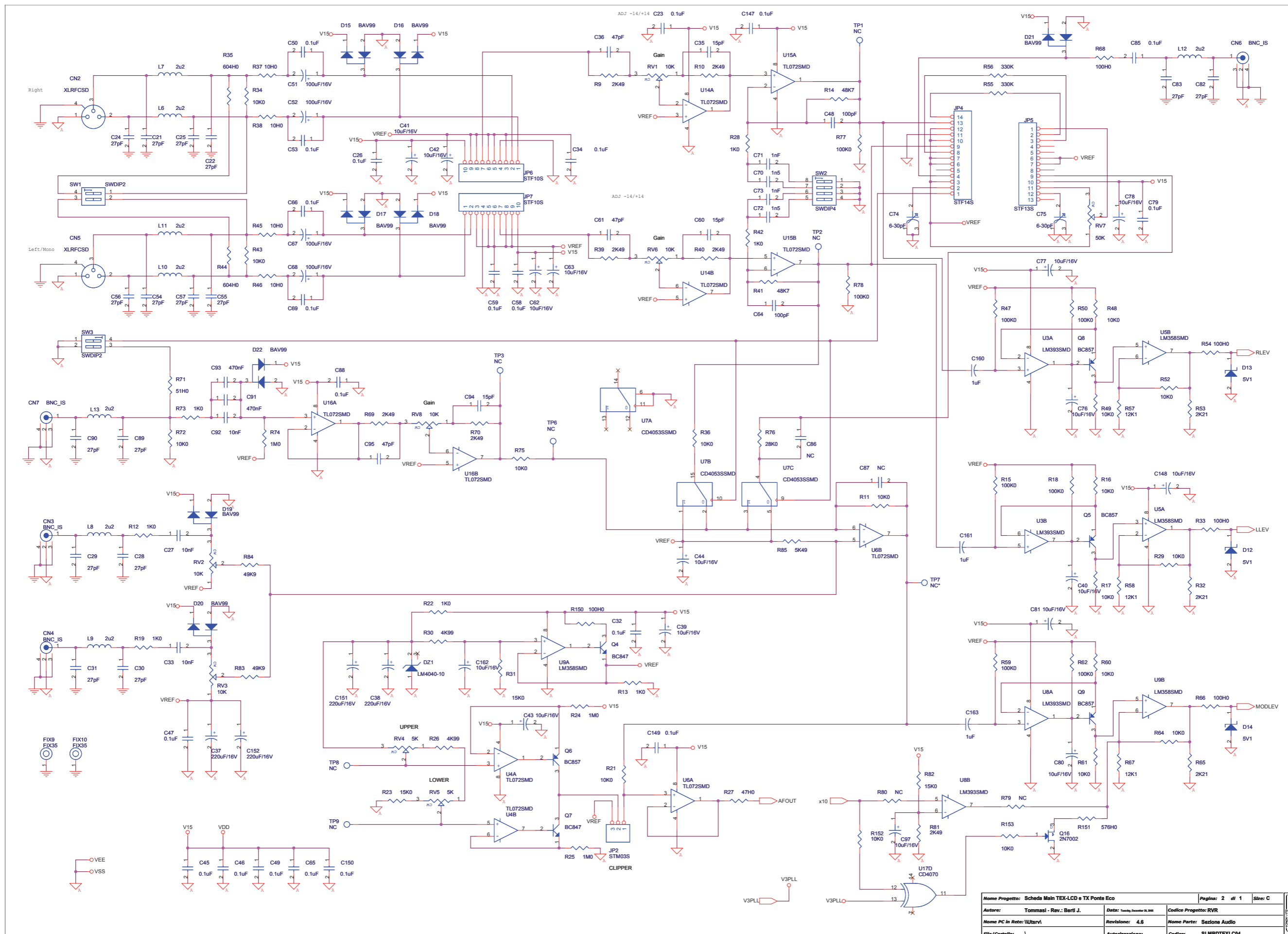
WIRING DIAGRAM - Bill Of Materials
TEX30LCD
Revisione 3.2 Data:07/11/2005

Item	Quantity	Reference	Part
1	1	CAV1	SLCCX09X0037
2	2	CN1,CN3	CNT25MBC2
3	1	CN2	FASTON
4	1	CN4	CNTBOCF7ROS
5	1	CN5	CNTBOCF7NERA
6	1	C1	1nF
7	1	C2	10nF
8	1	FAN1	VTL8414
9	1	FL1	FLTTEX30LC05
10	1	FL2	FLTTEX30LC03
11	1	FL3	FLTTEX30LC02
12	1	FL4	FLTTEX30LC06
13	1	FL5	FLTTEX30LC04
14	1	SW1	DEV1V1102

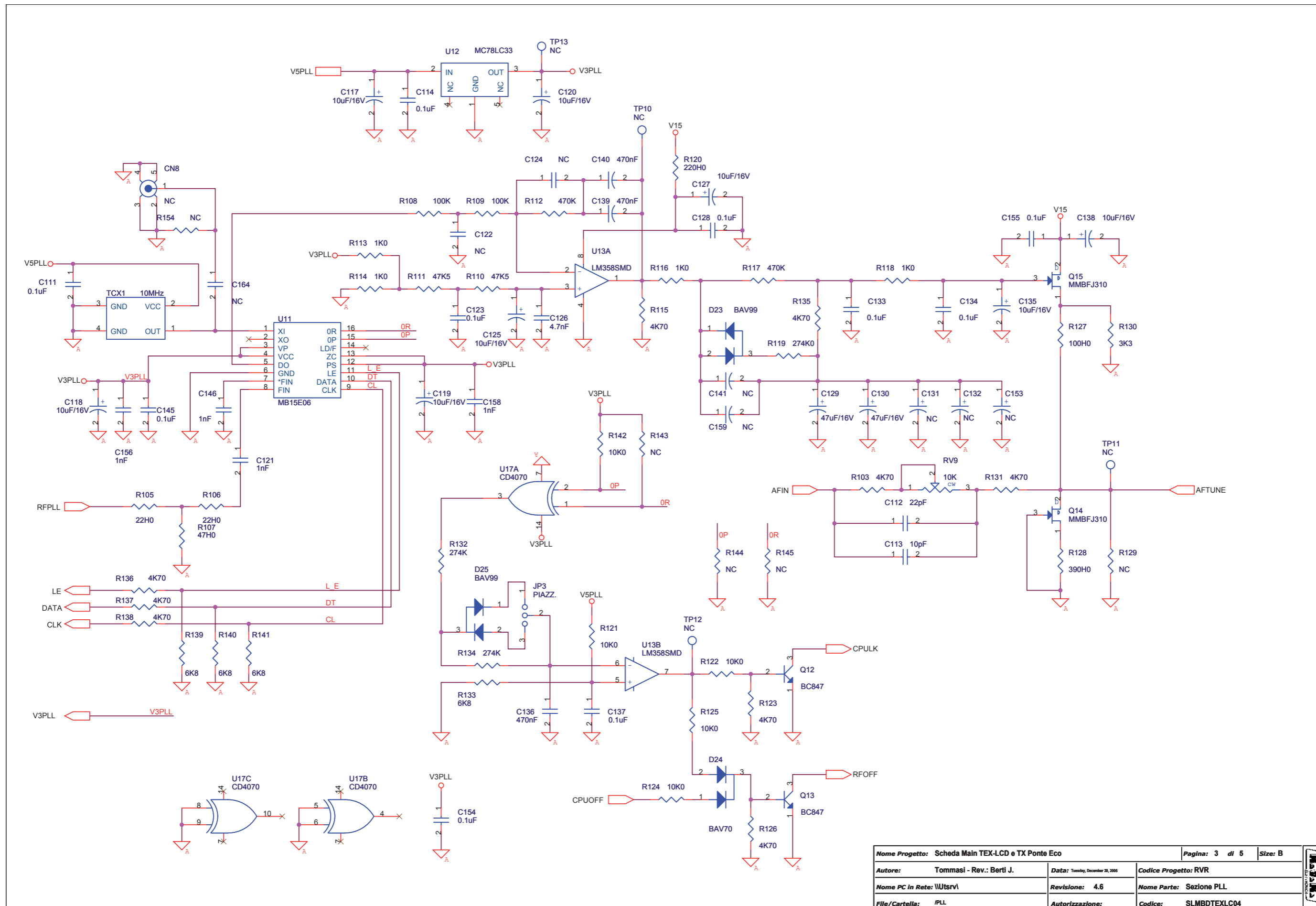




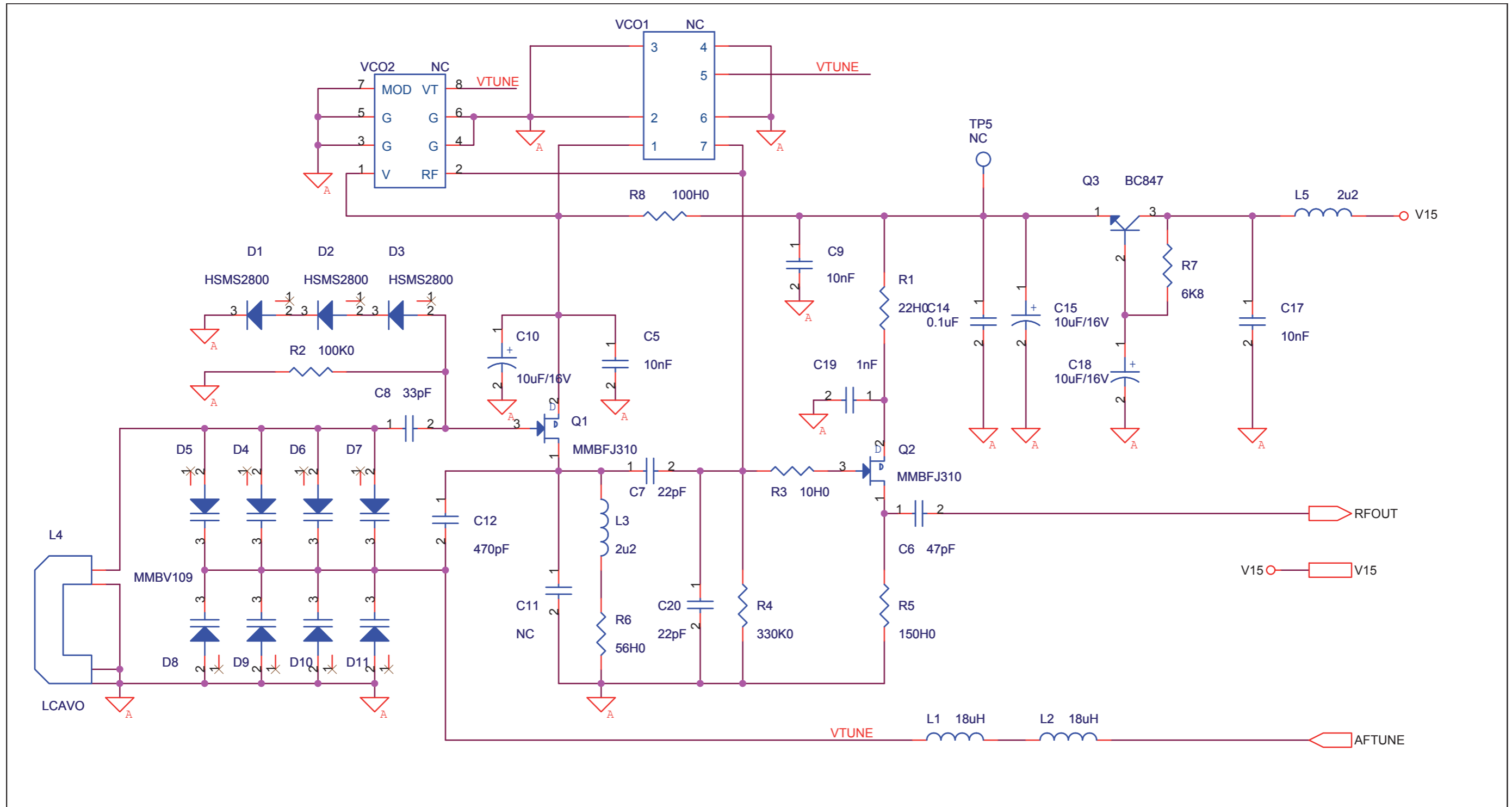
Nome Progetto: Scheda Main TEX-LCD e TX Ponte Eco Versione VCO a Fet		Pagina: 1 di 5	Size: Custom
Autore: Tommasi - Rev.: Berti J.	Data: Tuesday, December 20, 2005	Codice Progetto: RVR	
Nome PC in Rete: \\Utsrv\	Revisione: 4.6	Nome Parte: Scheda Main	
File/Cartella: /	Autorizzazione:	Codice: SLMBDTEXLC04	



Nome Progetto:	Scheda Main TEX-LCD e TX Ponte Eco	Pagina:	2 di 1	Size:	C
Autore:	Tommasi - Rev.: Barti J.	Data:	Tuesday, December 16, 2003	Codice Progetto:	RVR
Nome PC in Rete:	WUtrv1	Revisione:	4.6	Nome Parte:	Sezione Audio
File/Cartella:	1	Autore/Revisione:		Codice:	SLMBDTEXLC04



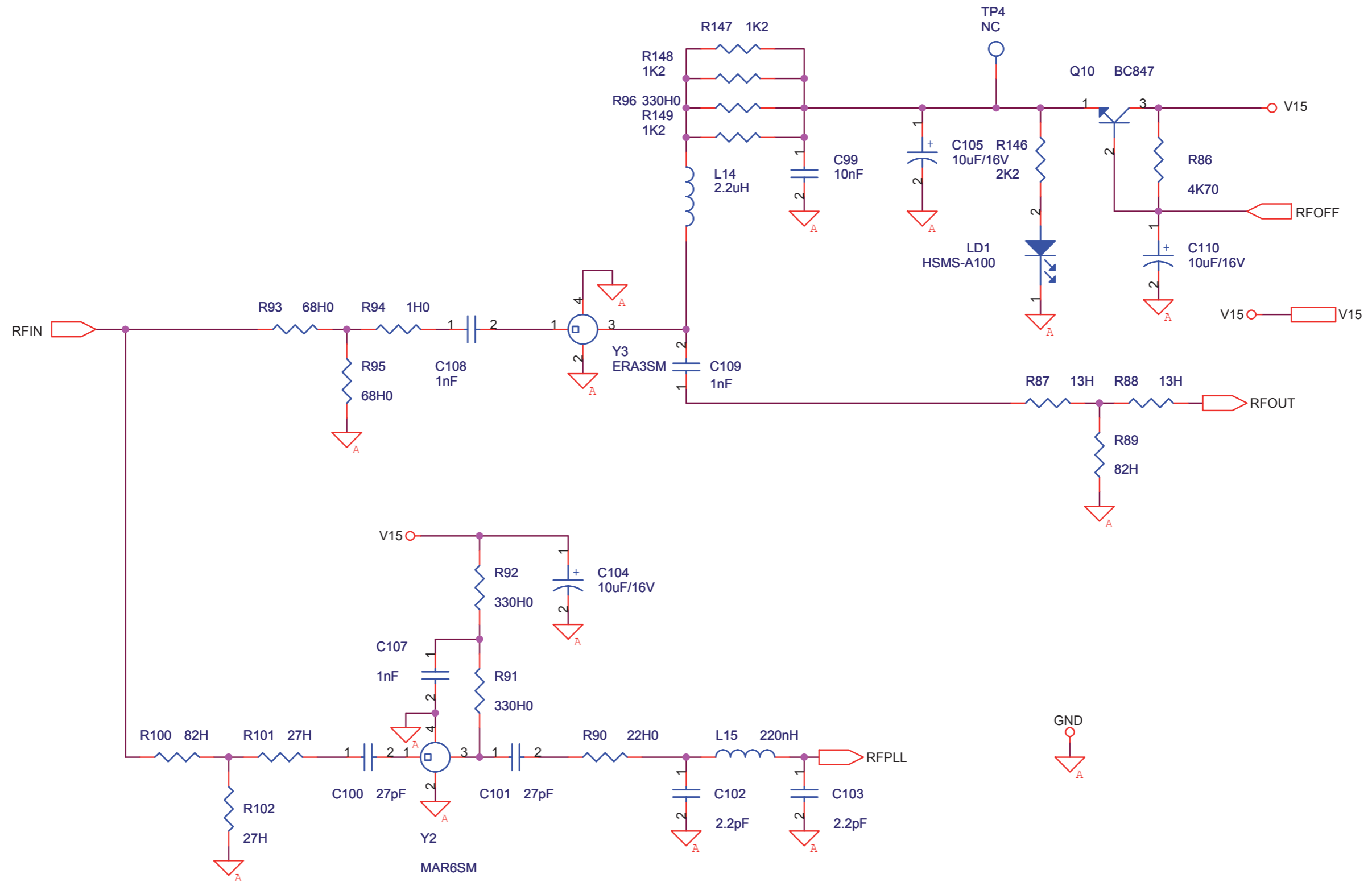
Nome Progetto: Scheda Main TEX-LCD e TX Ponte Eco		Pagina: 3 di 5	Size: B
Autore: Tommasi - Rev.: Berti J.	Data: Tuesday, December 20, 2005	Codice Progetto: RVR	
Nome PC in Rete: \\Utsrv\	Revisione: 4,6	Nome Parte: Sezione PLL	
File/Cartella: /PLL	Autorizzazione:	Codice: SLMBDTEXLC04	



Il cavo e' montato lato saldature

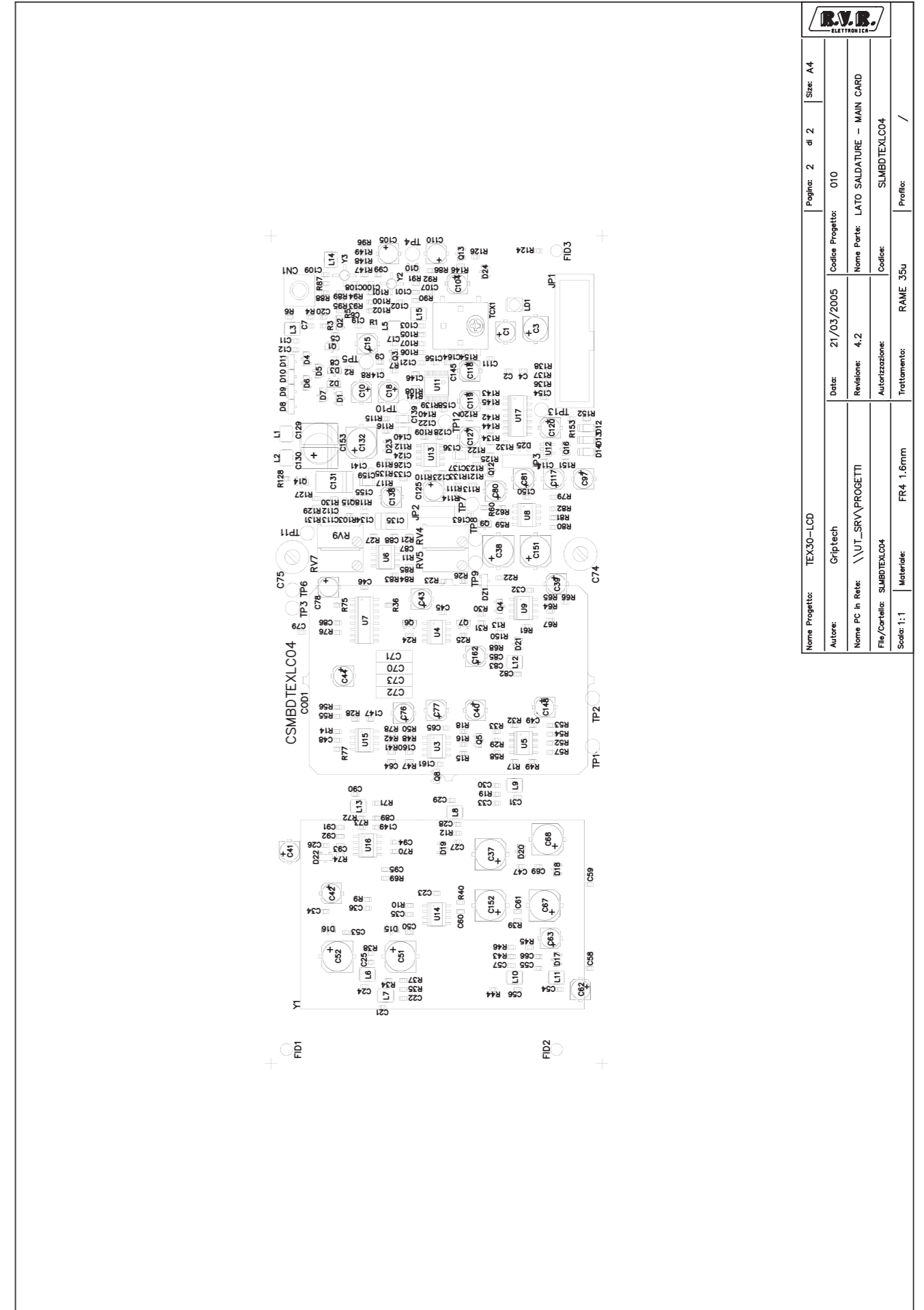
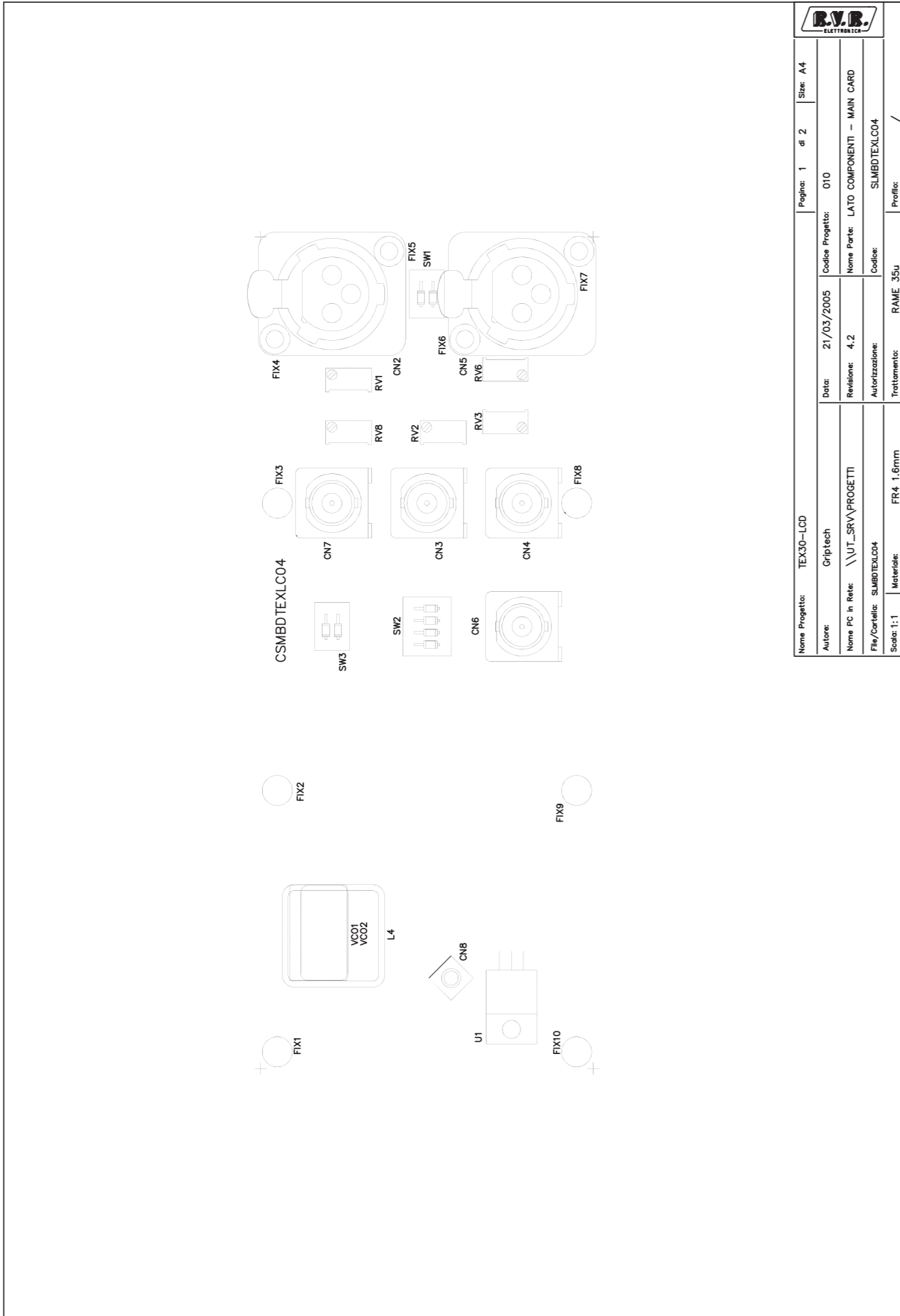
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Autore: Tommasi - Rev.: Berti J.	Data: Tuesday, December 20, 2005	Codice Progetto: RVR	
Nome PC in Rete: \\Utsrv\	Revisione: 4.6	Nome Parte: Sezione VCO	
File/Cartella: NCO	Autorizzazione:	Codice: SLMBDTEXLC04	





Nome Progetto: Scheda Main TEX-LCD e TX Ponte Eco		Pagina: 5 di 5	Size: A
Autore: Tommasi - Rev.: Berti J.	Data: Tuesday, December 20, 2005	Codice Progetto: RVR	
Nome PC in Rete: \\Utsrv\	Revisione: 4.6	Nome Parte: Sezione Driver	
File/Cartella: \	Autorizzazione:	Codice: SLMBDTEXLC04	

Main Board
SLMBDTEXLC04



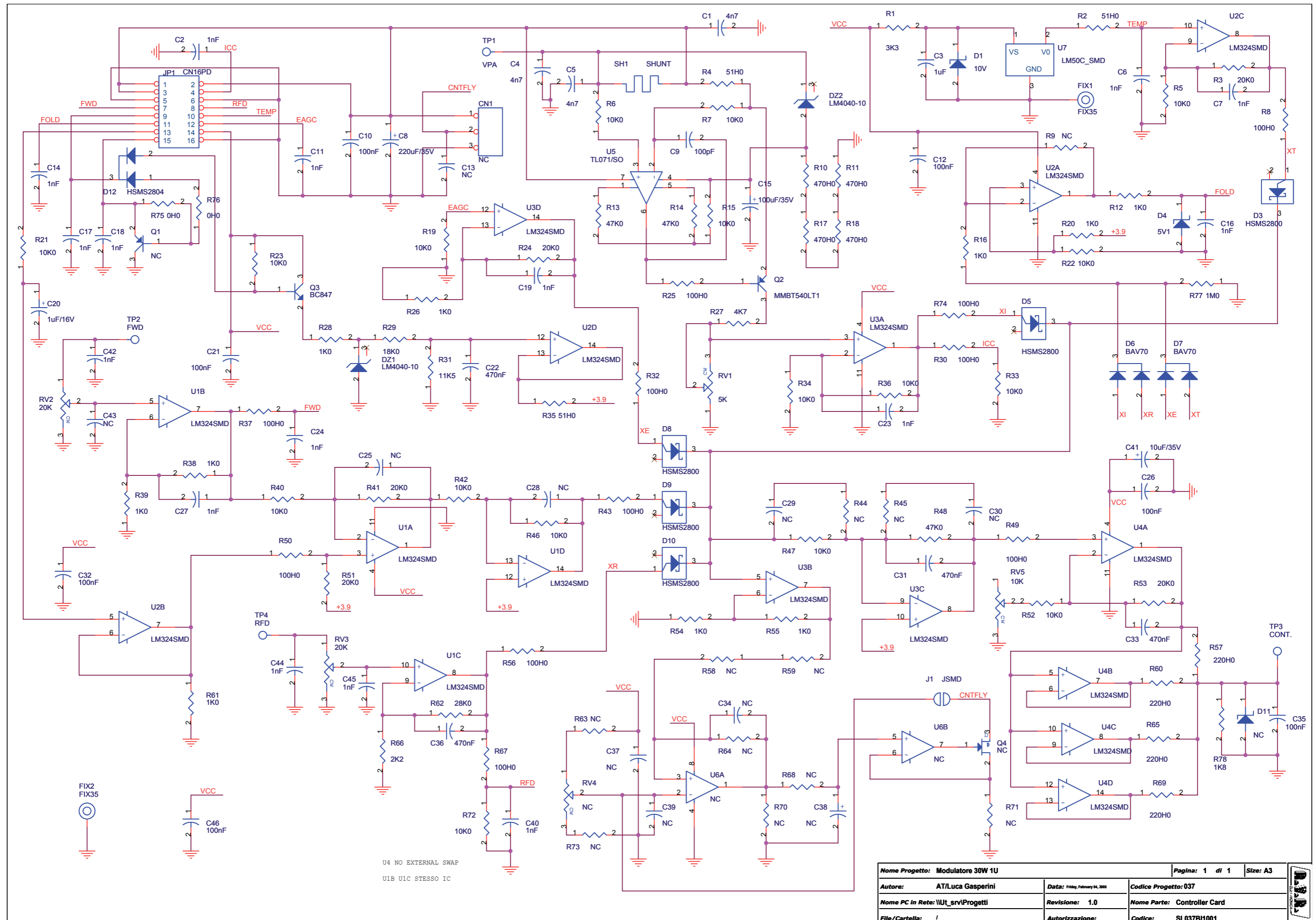
Scheda Main
SLMBDTEXLC04
Revision: 4.6 Date: 20/12/2005
Tommasi - Rev.: Berti J.

Item	Quantity	Reference	Part	Description
1	1	CN1	SMB_CS	Connettore SMB cs
2	2	CN2,CN5	XLRFCSD	Connettore XLR femm. cs
3	4	CN3,CN4,CN6,CN7	BNC_IS	Connettore BNC metallico
4	1	CN8	NC	Connettore SMB cs
5	1	CS1	CSMBDTEXLC04	Circuito stampato
6	30	C1,C10,C15,C18,C39,C40,C41,C42,C43,C44,C62,C63,C76,C77,C78,C80,C81,C97,C104,C105,C110,C117,C118,C119,C120,C125,C127,C138,C148,C162	10uF/16V	Cond. Elett. SMD d. 4mm
7	34	C2,C4,C14,C23,C26,C32,C34,C45,C46,C47,C49,C50,C53,C58,C59,C65,C66,C69,C79,C85,C88,C111,C114,C123,C128,C133,C134,C137,C145,C147,C149,C150,C154,C155	0.1uF	Cond. SMD 0805
8	1	C3	10uF/35V	Cond. Elett. SMD d. 4mm
9	7	C5,C9,C17,C27,C33,C92,C99	10nF	Cond. SMD 0805
10	4	C6,C36,C61,C95	47pF	Cond. SMD 0805
11	3	C7,C20,C112	22pF	Cond. SMD 0805
12	1	C8	33pF	Cond. SMD 0805
13	6	C11,C86,C87,C122,C124,C164	NC	Cond. SMD 0805
14	1	C12	470pF	Cond. SMD 0805
15	8	C19,C107,C108,C109,C121,C146,C156,C158	1nF	Cond. SMD 0805
16	18	C21,C22,C24,C25,C28,C29	27pF	Cond. SMD 0805
36	8	D4,D5,D6,D7,D8,D9,D10,D11	MMBV109	Diodo Varicap SMD SOT23
37	3	D12,D13,D14	5V1	MINIMELF SMD Zener Diode
38	10	D15,D16,D17,D18,D19,D20,D21,D22,D23,D25	BAV99	Doppio Diodo SMD SOT23
39	1	D24	BAV70	Doppio Diodo SMD SOT23
40	10	FIX1,FIX2,FIX3,FIX4,FIX5,FIX6,FIX7,FIX8,FIX9,FIX10	FIX35	Foro fissaggio 3.5mm
41	1	JP1	CN16PD	Connettore 16 poli Flat cs
42	1	JP2	STM03S	Strip maschio 3 pin
43	1	JP3	PIAZZ.	Jumper SMD
44	1	JP4	STF14S	Strip femmina 14 pin
45	1	JP5	STF13S	Strip femmina 13 pin
46	2	JP6,JP7	STF10S	Strip femmina 10 pin
47	1	LD1	HSMS-A100	LED dia. 5mm
48	2	L1,L2	18uH	Induttanza SMD 1210 scherm.
49	10	L3,L5,L6,L7,L8,L9,L10,L11,L12,L13	2u2	Induttanza SMD 3225 (1210)
50	1	L4	LCAVO	Induttanza a cavo RG
51	1	L14	2.2uH	Induttanza SMD 3225 (1210)
52	1	L15	220nH	Induttanza SMD 3225 (1210)
53	4	Q1,Q2,Q14,Q15	MMBFJ310	Trans. FET SOT23
54	6	Q3,Q4,Q7,Q10,Q12,Q13	BC847	Trans. NPN SOT23
55	4	Q5,Q6,Q8,Q9	BC857	Trans. PNP SOT23
56	1	Q16	2N7002	Trans. FET SOT23
57	5	RV1,RV2,RV3,RV6,RV8	10K	Trimmer Rg H 3296X
58	2	RV4,RV5	5K	Trimmer Rg V 3296W
59	1	RV7	50K	Trimmer Rg V 3296W
60	1	RV9	10K	Trimmer Rg V 3296W
61	4	R1,R90,R105,R106	22H0	Res. SMD 0805
62	9	R2,R15,R18,R47,R50,R59,R62,R77,R78	100K0	Res. SMD 0805
63	5	R3,R37,R38,R45,R46	10H0	Res. SMD 0805
64	1	R4	330K0	Res. SMD 0805
65	1	R5	150H0	Res. SMD 0805
66	1	R6	56H0	Res. SMD 0805

83	7	R79,R80,R129,R143,R144,R145,R154	NC	Res. SMD 0805
84	2	R83,R84	49K9	Res. SMD 0805
85	1	R85	5K49	Res. SMD 0805
86	10	R86,R103,R115,R123,R126,R131,R135,R136,R137,R138	4K70	Res. SMD 0805
87	2	R87,R88	13H	Res. SMD 0805
88	2	R89,R100	82H	Res. SMD 0805
89	3	R91,R92,R96	330H0	Res. SMD 0805
90	2	R93,R95	68H0	Res. SMD 0805
91	1	R94	1H0	Res. SMD 0805
92	2	R101,R102	27H	Res. SMD 0805
93	2	R108,R109	100K	Res. SMD 0805
94	2	R110,R111	47K5	Res. SMD 0805
95	2	R112,R117	470K	Res. SMD 0805
96	1	R119	274K0	Res. SMD 0805
97	1	R120	220H0	Res. SMD 0805
98	1	R128	390H0	Res. SMD 0805
99	1	R130	3K3	Res. SMD 0805
100	2	R132,R134	274K	Res. SMD 0805
101	1	R146	2K2	Res. SMD 0805
102	3	R147,R148,R149	1K2	Res. SMD 0805
103	1	R150	100H0	Res. SMD 0805
104	1	R151	576H0	Res. SMD 0805
105	2	R152,R153	10K0	Res. SMD 0805
106	2	SW1,SW3	SWDIP2	Dip switch 2 vie
107	1	SW2	SWDIP4	Dip switch 4 vie
108	1	TCX1	10MHz	TCXO SMD
109	12	TP1,TP2,TP3,TP4,TP5,TP6,TP8,TP9,TP10,TP11,TP12,TP13	NC	Test point
110	1	TP7	NC*	Test point
111	1	U1	LM7815	Stabilizzatore TO220
112	2	U3,U8	LM393SMD	Dual Comp. SMD SO8
113	5	U4,U6,U14,U15,U16	TL072SMD	Dual Op. SMD SO8
114	3	U5,U9,U13	LM358SMD	Dual Op. SMD SO8

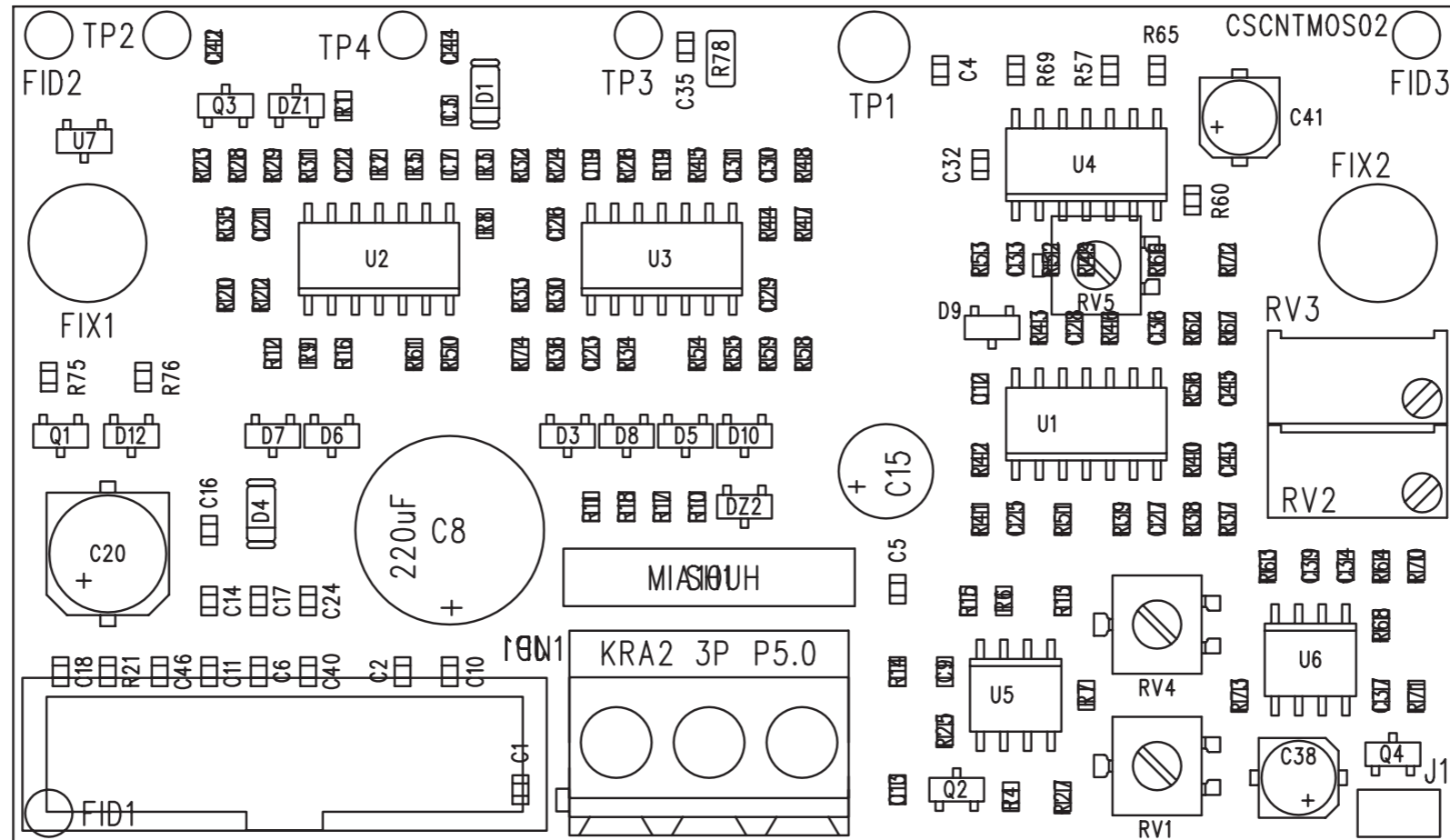
Scheda Main
SLMBDTEXLC04
Revision: 4.6 Date: 20/12/2005
Tommasi - Rev.: Berti J.

Item	Quantity	Reference	Part	Description
1	1	CN1	SMB_CS	Connettore SMB cs
2	2	CN2,CN5	XLRFCSD	Connettore XLR femm. cs
3	4	CN3,CN4,CN6,CN7	BNC_IS	Connettore BNC metallico
4	1	CN8	NC	Connettore SMB cs
5	1	CS1	CSMBDTEXLC04	Circuito stampato
6	30	C1,C10,C15,C18,C39,C40,C41,C42,C43,C44,C62,C63,C76,C77,C78,C80,C81,C97,C104,C105,C110,C117,C118,C119,C120,C125,C127,C138,C148,C162	10uF/16V	Cond. Elett. SMD d. 4mm
7	34	C2,C4,C14,C23,C26,C32,C34,C45,C46,C47,C49,C50,C53,C58,C59,C65,C66,C69,C79,C85,C88,C111,C114,C123,C128,C133,C134,C137,C145,C147,C149,C150,C154,C155	0.1uF	Cond. SMD 0805
8	1	C3	10uF/35V	Cond. Elett. SMD d. 4mm
9	7	C5,C9,C17,C27,C33,C92,C99	10nF	Cond. SMD 0805
10	4	C6,C36,C61,C95	47pF	Cond. SMD 0805
11	3	C7,C20,C112	22pF	Cond. SMD 0805
12	1	C8	33pF	Cond. SMD 0805
13	6	C11,C86,C87,C122,C124	NC	Cond. SMD 0805



U4 NO EXTERNAL SWAP
U1B U1C STESSO IC

Nome Progetto: Modulatore 30W 1U		Pagina: 1 di 1		Size: A3
Autore: AT/Luca Gasperini	Data: Friday, February 04, 2005	Codice Progetto: 037		
Nome PC in Rete: \WU_srv\Progetti	Revisione: 1.0	Nome Parte: Controller Card		
File/Cartella: /	Autorizzazione:	Codice: SL037BI1001		

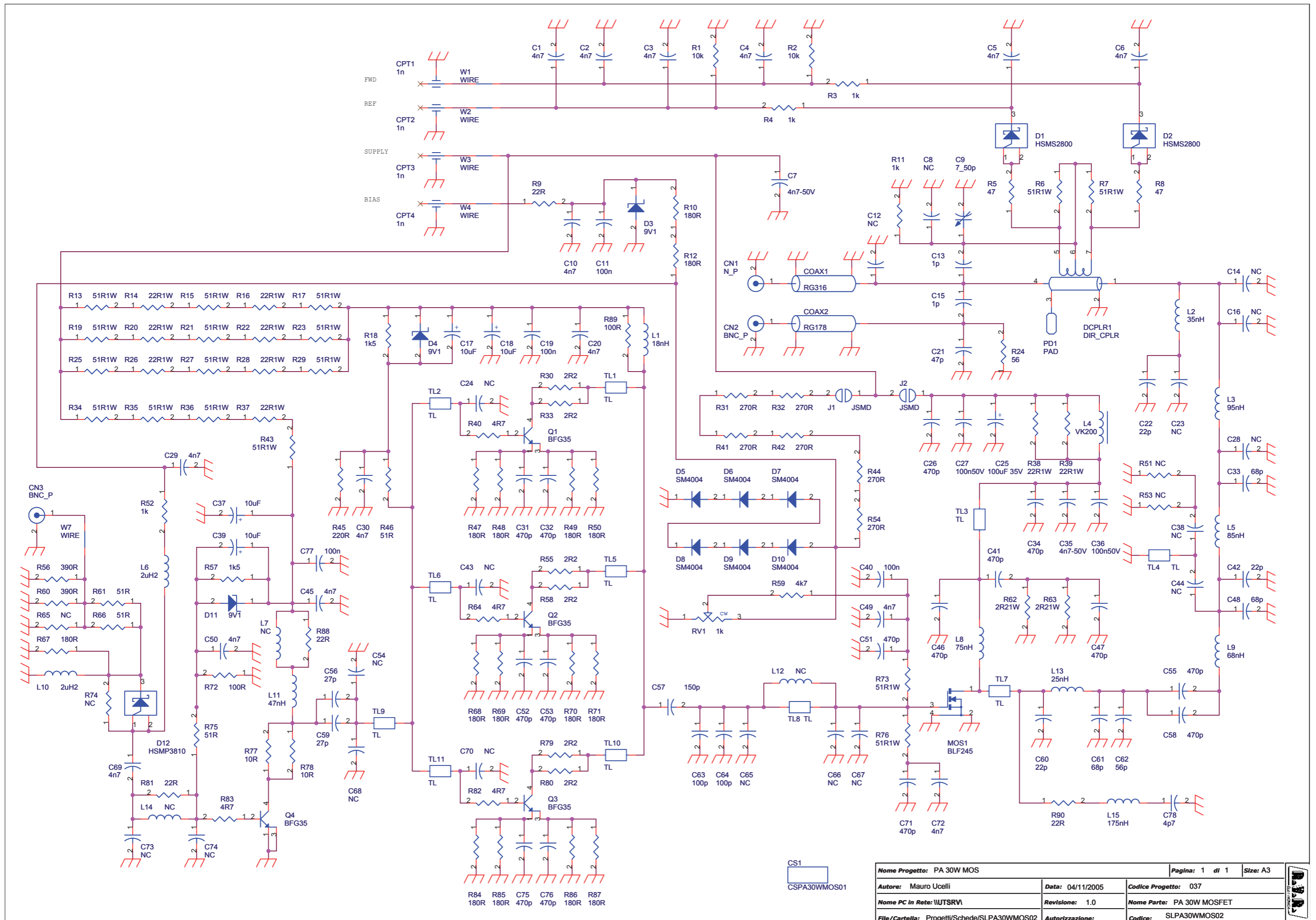


Nome Progetto: MODULATORE 30W 1U		Pagina: 1 di 1	Size: A4
Autore: Ufficio Tecnico	Data: 04/02/2005	Codice Progetto: 037	
Nome PC in Rete: \\UT_SRV\PROGETTI	Revisione: 1.0	Nome Parte: CONTROLLER CARD	
File/Cartella: \\UT_SRV\PROGETTI	Autorizzazione:	Codice: SL037BI1001	
Scala: 2:1	Materiale: /	Trattamento: /	Profilo: /

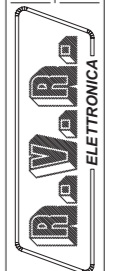
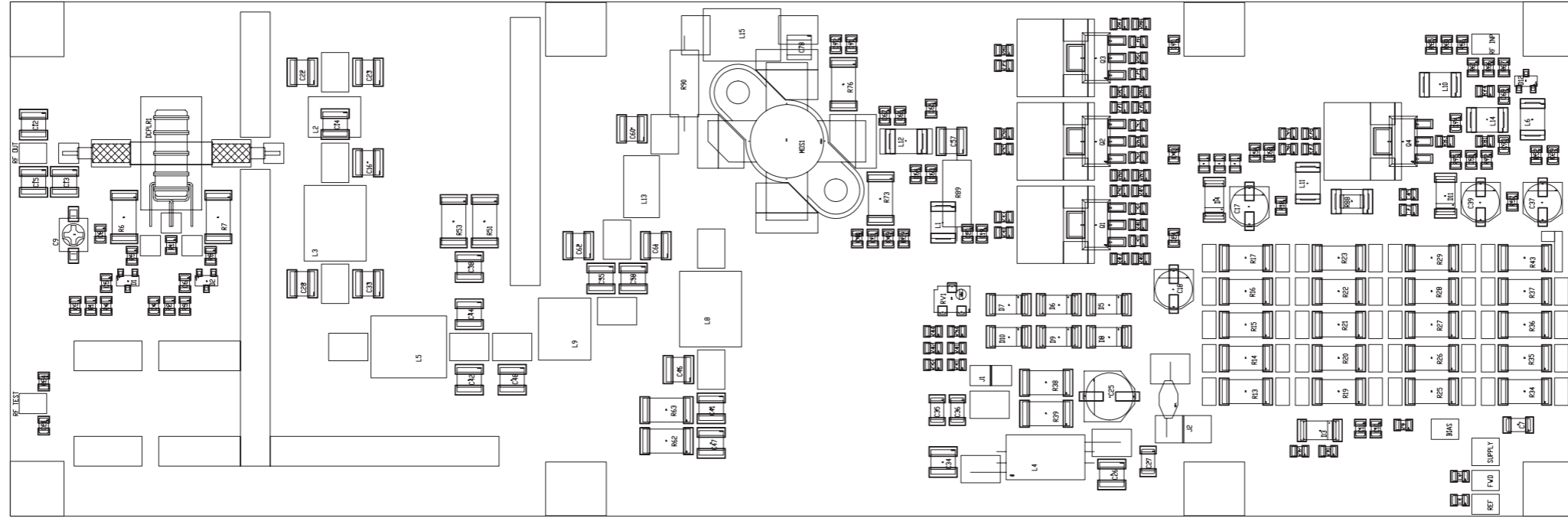


Revised: 04/02/2005
 Revision: 1.0
 Controllo finale MOS
 CSCNTMOS02
 AT/Luca Gasperini

Item	Quantity	Reference	Part	Description
1	1	CN1	NC	Conn. tipo KRA a 3 poli
2	3	C1, C4, C5	4n7	Cond. SMD 0805
3	16	C2, C6, C7, C11, C14, C16, C17, C18, C19, C23, C24, C27, C40, C42, C44, C45	1nF	Cond. SMD 0805
4	1	C3	1uF	Cond. SMD 0805
5	1	C8	220uF/35V	Cond. Elettr. Dia 10 P5.08
6	1	C9	100pF	Cond. SMD 0805
7	7	C10, C12, C21, C26, C32, C35, C46	100nF	Cond. SMD 0805
8	9	C13, C25, C28, C29, C30, C34, C37, C39, C43	NC	Cond. SMD 0805
9	1	C15	100uF/35V	Cond. Elettr. Dia 5 P2.54
10	1	C20	1uF/16V	Cond. Elettr. SMD d. 6.3mm
11	4	C22, C31, C33, C36	470nF	Cond. SMD 0805
12	1	C38	NC	Cond. Elettr. SMD d. 4mm
13	1	C41	10uF/35V	Cond. Elettr. SMD d. 4mm
14	2	DZ1, DZ2	LM4040-10	Diodi Zener SMD SOT23
15	1	D1	10V	MINIMELF SMD Zener Diode
16	5	D3, D5, D8, D9, D10	HSMS2800	Diodo Shottky SOT23
17	1	D4	5V1	MINIMELF SMD Zener Diode
18	2	D6, D7	BAV70	Doppio Diodo SMD SOT23
19	1	D11	NC	MINIMELF SMD Zener Diode
20	1	D12	HSMS2804	Doppio Diodo SMD SOT23
21	2	FIX1, FIX2	FIX35	Foro fissaggio 3.5mm
22	1	JP1	CN16PD	Connettore 16 poli Flat cs
23	1	J1	JSMD	Pad SMD a saldare
24	1	Q1	NC	Trans. PNP SOT23
25	1	Q2	MMBT540LT1	Trans. PNP SOT23
26	1	Q3	BC847	Trans. NPN SOT23
27	1	Q4	NC	Trans. FET SOT23
28	1	RV1	5K	Trimmer SMD
29	2	RV2, RV3	20K	Trimmer Rg V 3296W
30	1	RV4	NC	Trimmer SMD
31	1	RV5	10K	Trimmer SMD
32	1	R1	3K3	Res. SMD 0805
33	3	R2, R4, R35	51H0	Res. SMD 0805
34	5	R3, R24, R41, R51, R53	20K0	Res. SMD 0805
35	17	R5, R6, R7, R15, R19, R21, R22, R23, R33, R34, R36, R40, R42, R46, R47, R52, R72	10K0	Res. SMD 0805
36	10	R8, R25, R30, R32, R37, R43, R49, R50, R56, R67	100H0	Res. SMD 0805
37	11	R9, R44, R45, R58, R59, R63, R64, R68, R70, R71, R73	NC	Res. SMD 0805
38	4	R10, R11, R17, R18	470H0	Res. SMD 0805
39	10	R12, R16, R20, R26, R28, R38, R39, R54, R55, R61	1K0	Res. SMD 0805
40	3	R13, R14, R48	47K0	Res. SMD 0805
41	1	R27	4K7	Res. SMD 0805
42	1	R29	18K0	Res. SMD 0805
43	1	R31	11K5	Res. SMD 0805
44	4	R57, R60, R65, R69	220H0	Res. SMD 0805
45	1	R62	28K0	Res. SMD 0805
46	1	R66	2K2	Res. SMD 0805
47	1	R74	100H0	Res. SMD 0805
48	1	R75	0H0	Res. SMD 0805
49	1	R76	0H0	Res. SMD 0805
50	1	R77	1M0	Res. SMD 0805
51	1	R78	1K8	Res. SMD 1206
52	1	SH1	SHUNT	Shunt passo 15.2mm fori 2mm
53	1	TP1	VPA	Foro dia. 2mm
54	1	TP2	FWD	Foro dia. 1mm
55	1	TP3	CONT.	Foro dia. 1mm
56	1	TP4	RFD	Foro dia. 1mm
57	4	U1, U2, U3, U4	LM324SMD	Quad Op. SMD SO14
58	1	U5	TL071/SO	Dual Op. SMD SO8
59	1	U6	NC	Dual Op. SMD SO8
60	1	U7	LM50C_SMD	Temperature sensor



Nome Progetto: PA 30W MOS		Pagina: 1 di 1		Size: A3
Autore: Mauro Ucelli	Data: 04/11/2005	Codice Progetto: 037		
Nome PC in Rete: WUTSRVA		Revisione: 1.0	Nome Parte: PA 30W MOSFET	
File/Cartella: Progetti/Schede/SLPA30WMOS02		Autorizzazione:	Codice: SLPA30WMOS02	



NOME PROGETTO: PA 30W MOS

AUTORE: MAURO UCELLI

ARCHIVIAZIONE ELETTRONICA: "CARTELLA PROGETTI" SU "UT_SRV"

MATERIALE: <>

NOME PARTE: PA 30W MOSFET

DATA: 04/11/2005 REVISIONE: 1.0 SCALA: 1:1 SIZE: A4 PAGINA: 1 DI 1

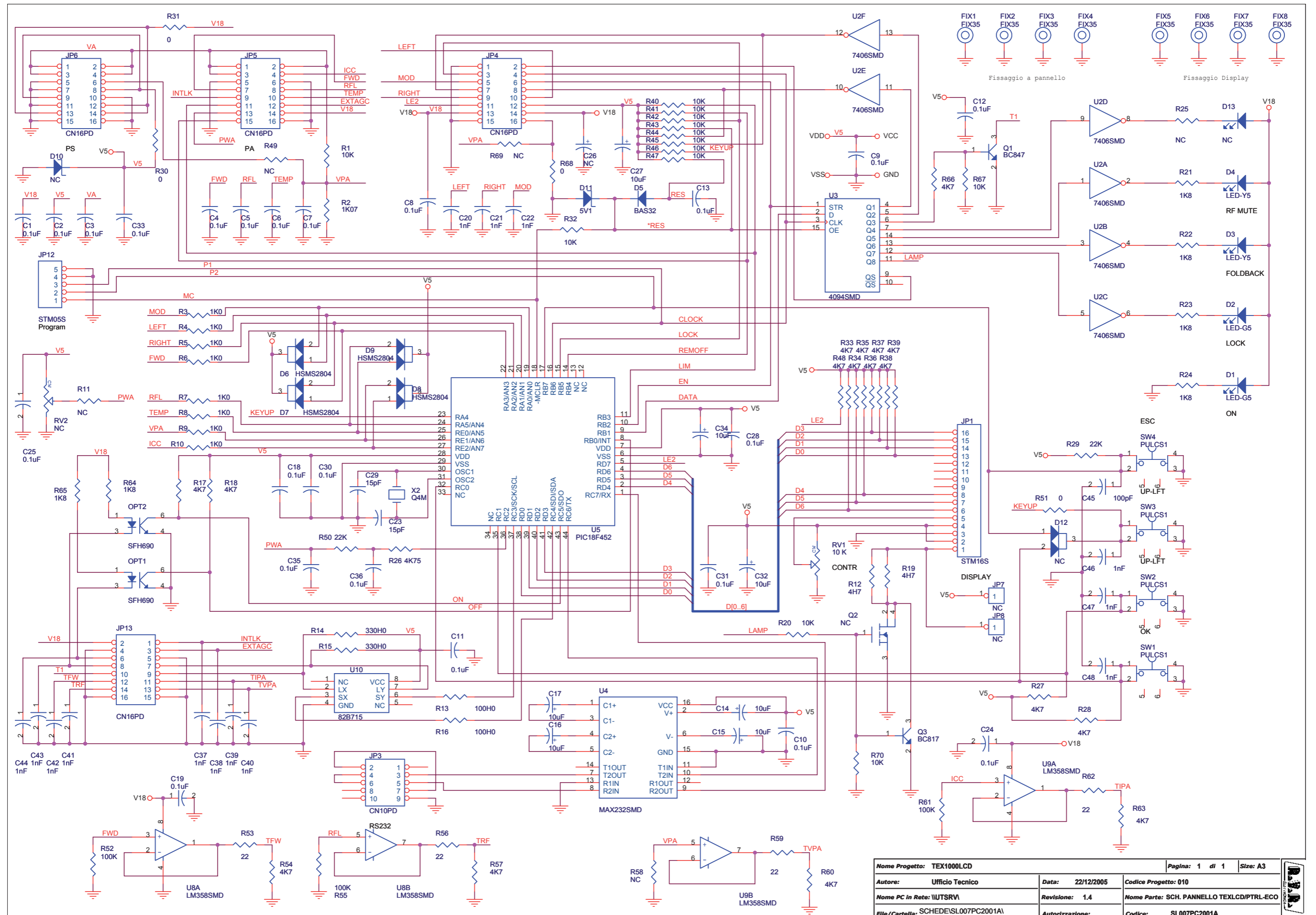
CODICE PROGETTO: 037 CODICE DISEGNO: SLPA30WMOS02

TRATTAMENTO: <> PROFILO: <> STATO: ESECUTIVO

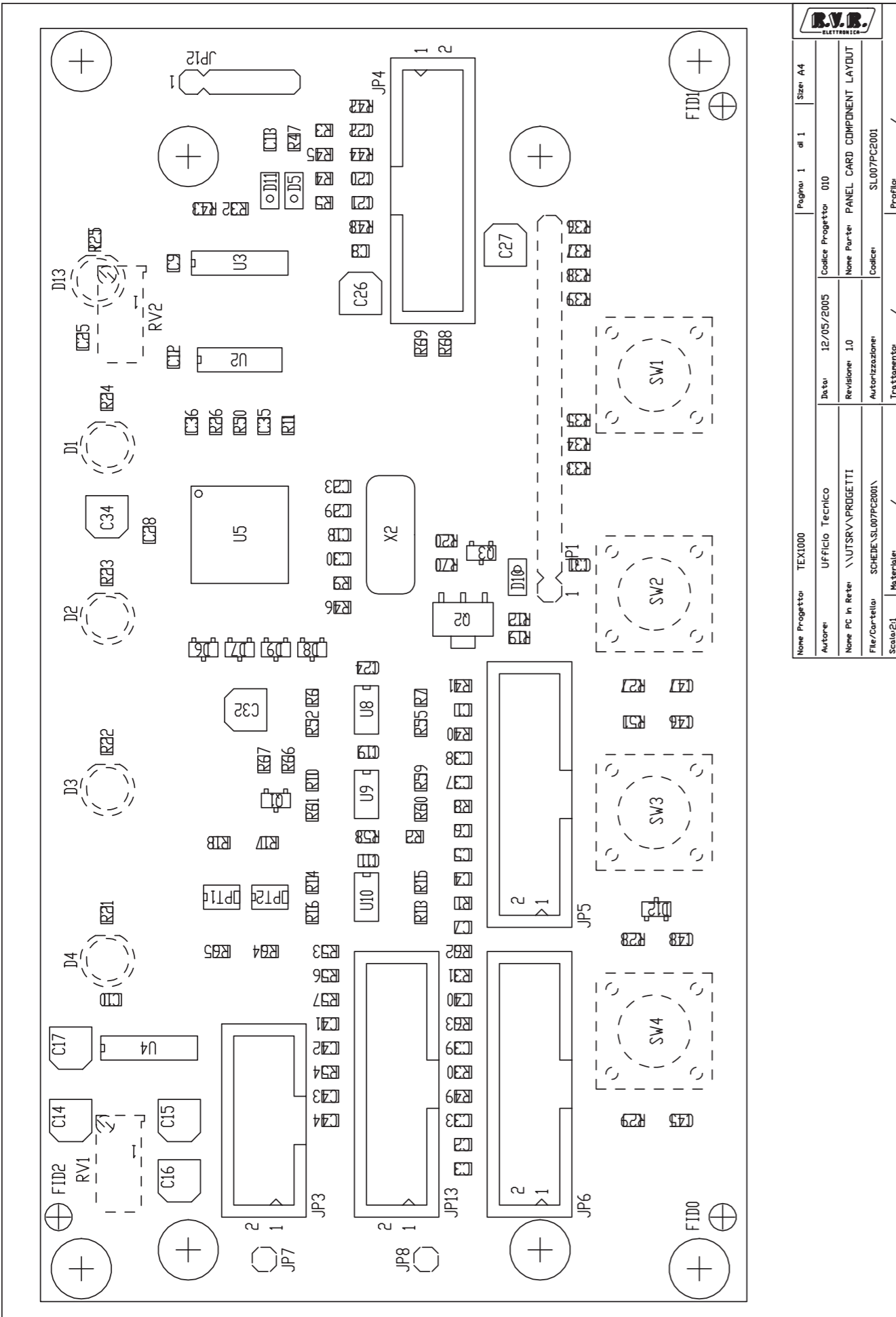
PA 30W MOSFET
SLPA30WMOS02
Revision: 1.0
PA 30W MOS
Cod: 037
Mauro Ucelli
04/11/2005

Item	Quantity	Reference	Part	Description
1	1	CN1	N_P	Conn. N da pannello
2	2	CN3,CN2	BNC_P	Conn. BNC da pannello
3	1	COAX1	RG316	Cavo coax
4	1	COAX2	RG178	Cavo coax
5	4	CPT1,CPT2,CPT3,CPT4	1n	Cond. passante
6	1	CS1	CSPA30WMOS01	Circuito stampato
7	15	C1,C2,C3,C4,C5,C6,C10, C20,C29,C30,C45,C49,C50, C69,C72	4n7	Cond. SMD 0805
8	2	C35,C7	4n7-50V	Cond. SMD 1206
9	8	C8,C54,C65,C66,C67,C68, C73,C74	NC	Cond. SMD 0805 COG
10	1	C9	7_50p	Comp. var. Murata TZB4
11	4	C11,C19,C40,C77	100n	Cond. SMD 0805
12	10	C12,C14,C16,C23,C24,C28, C38,C43,C44,C70	NC	Cond. SMD 1212 HQ
13	2	C15,C13	1p	Cond. SMD 1212 HQ
14	4	C17,C18,C37,C39	10uF	Cond. Elett. SMD d. 5mm
15	1	C21	47p	Cond. SMD 0805 COG
16	2	C42,C22	22p	Cond. SMD 1212 HQ
17	1	C25	100uF 35V	Cond. Elett. SMD d. 6.3mm
18	7	C26,C34,C41,C46,C47,C55, C58	470p	Cond. SMD 1212 HQ
19	2	C36,C27	100n50V	Cond. SMD 1206
20	8	C31,C32,C51,C52,C53,C71, C75,C76	470p	Cond. SMD 0805 COG
21	3	C33,C48,C61	68p	Cond. SMD 1212 HQ
22	2	C56,C59	27p	Cond. SMD 0805
23	1	C57	150p	Cond. SMD 1212 HQ
24	1	C60	22p	Cond. SMD 1212 HQ
25	1	C62	56p	Cond. SMD 1212 HQ
26	2	C63,C64	100p	Cond. SMD 0805 COG
27	1	C78	4p7	Cond. SMD 1212 HQ
28	1	DCPLR1	DIR_CPLR	Accopp. direz.
29	2	D2,D1	HSMS2800	
30	3	D3,D4,D11	9V1	MELF SMD Zener Diode
31	6	D5,D6,D7,D8,D9,D10	SM4004	MELF SMD Diode
32	1	D12	HSMP3810	Diode Shottky SOT23
33	2	J1,J2	JSMD	Pad SMD a saldare
34	1	L1	18nH	Induttanza cilindrica
35	1	L2	35nH	Induttanza cilindrica
36	1	L3	95nH	Induttanza cilindrica
37	1	L4	VK200	Induttanza cilindrica VK200
38	1	L5	85nH	Induttanza cilindrica
39	2	L6,L10	2uH2	Induttanza SMD 3225 (1812)
40	3	L7,L12,L14	NC	Induttanza SMD 3225 (1210)
41	1	L8	75nH	Induttanza cilindrica
42	1	L9	68nH	Induttanza cilindrica
43	1	L11	47nH	Induttanza SMD 3225 (1210)
44	1	L13	25nH	Induttanza cilindrica
45	1	L15	175nH	Induttanza cilindrica
46	1	MOS1	BLF245	Power mosfet RF

47	1	PD1	PAD	
48	4	Q1,Q2,Q3,Q4	BFG35	Trans. NPN SOT223
49	1	RV1	1k	Trimm. multi SMD PVG5 Murata
50	2	R1,R2	10k	Res. SMD 0805
51	4	R3,R4,R11,R52	1k	Res. SMD 0805
52	2	R5,R8		47 Res. SMD 0805
53	17	R6,R7,R13,R15,R17,R19, R21,R23,R25,R27,R29,R34, R35,R36,R43,R73,R76	51R1W	Res. SMD 2512
54	2	R9,R81	22R	Res. SMD 0805
55	15	R10,R12,R47,R48,R49,R50, R67,R68,R69,R70,R71,R84, R85,R86,R87	180R	Res. SMD 0805
56	9	R14,R16,R20,R22,R26,R28, R37,R38,R39	22R1W	Res. SMD 2512
57	2	R57,R18	1k5	Res. SMD 0805
58	1	R24		56 Res. SMD 0805
59	6	R30,R33,R55,R58,R79,R80	2R2	Res. SMD 0805
60	6	R31,R32,R41,R42,R44,R54	270R	Res. SMD 0805
61	4	R40,R64,R82,R83	4R7	Res. SMD 0805
62	1	R45	220R	Res. SMD 0805
63	4	R46,R61,R66,R75	51R	Res. SMD 0805
64	2	R51,R53	NC	Res. SMD 2512
65	2	R60,R56	390R	Res. SMD 0805
66	1	R59	4k7	Res. SMD 0805
67	2	R63,R62	2R21W	Res. SMD 2512
68	2	R65,R74	NC	Res. SMD 0805
69	1	R72	100R	Res. SMD 0805
70	2	R78,R77	10R	Res. SMD 0805
71	1	R88	22R	Res. SMD 2010
72	1	R89	100R	Res. 2W tradizionale
73	1	R90	22R	Res. 2W tradizionale
74	11	TL1,TL2,TL3,TL4,TL5,TL6, TL7,TL8,TL9,TL10,TL11	TL	Linea strip CS
75	5	W1,W2,W3,W4,W7	WIRE	Filo a saldare



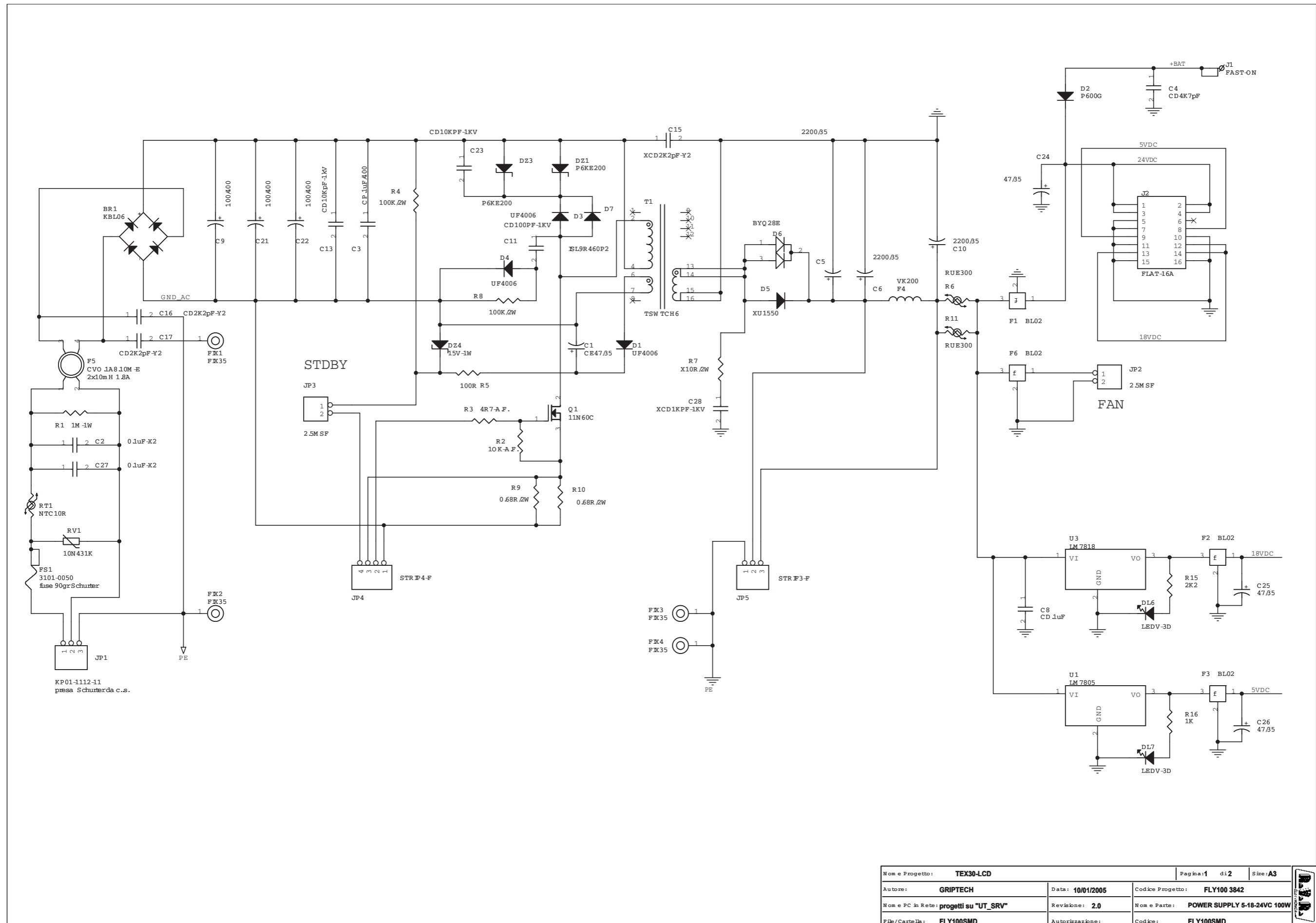
SCH. PANNELLO TEXLCD/PTRL-ECO
SL007PC2001A Revision: 1.4
DATA: 22/12/2005



None Progetto: TEX1000		Pagina: 1 di 1		Size: A4	
Autore: UFFICIO Tecnico		Codice Progetto: D10		None Parte: PANEL CARD COMPONENT LAYOUT	
None PC in Rete: \\UTSRV\PRDGETTI		Data: 12/05/2005		Codice: SL007PC2001	
File/Car-tella: SCHEDE\SL007PC2001\		Revisione: 1.0		Trattamento: /	
Scale: 2:1		Materiali: /		Profilo: /	

Item	Q.ty	Reference	Part	
1	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	
2	1	C45	100pF	
3	7	C14, C15, C16, C17, C27, C32, C34	10uF	
4	14	C20, C21, C22, C37, C38, C39, C40, C41, C42, C43, C44, C46, C47, C48	1nF	
5	2	C23, C29	15pF	
6	13	RV2, Q2, JP7, JP8, D10, R11, D12, D13, R25, C26, R49, R69	NC	
7	2	D2, D1	LED-G5	Nota 1
8	2	D4, D3	LED-Y5	Nota 1
9	1	D5	BAS32	
10	4	D6, D7, D8, D9	HSMS2804	
11	1	D11	5V1	
12	8	FIX1, FIX2, FIX3, FIX4, FIX5, FIX6, FIX7, FIX8	FIX35	
13	1	JP1	STM16S	Nota 2
14	1	JP3	CN10PD	
15	4	JP4, JP5, JP6, JP13	CN16PD	
16	1	JP12	STM05S	
17	2	OPT2, OPT1	SFH690	
18	1	Q1	BC847	
19	1	Q3	BC817	
20	1	RV1	10 K	Nota 1
21	13	R1, R20, R32, R40, R41, R42, R43, R44, R45, R46, R47, R67, R70	10K	
22	1	R2	1K07	
23	8	R3, R4, R5, R6, R7, R8, R9, R10	1K0	
24	2	R19, R12	4H7	
25	2	R13, R16	100H0	
26	2	R14, R15	330H0	
27	17	R17, R18, R27, R28, R33, R34, R35, R36, R37, R38, R39, R48, R54, R57, R60, R63, R66	4K7	
28	6	R21, R22, R23, R24, R64, R65	1K8	
29	1	R26	4K75	
30	4	R30, R31, R51, R68	0	
31	2	R29, R50	22K	
32	3	R52, R55, R61	100K	
33	4	R53, R56, R59, R62	22	
34	4	SW1, SW2, SW3, SW4	PULCS1	Nota 1
35	1	U2	7406SMD	
36	1	U3	4094SMD	
37	1	U4	MAX232SMD	
38	1	U5	PIC18F452	
39	2	U9, U8	LM358SMD	
40	1	U10	82B715	
41	1	X2	Q4M	

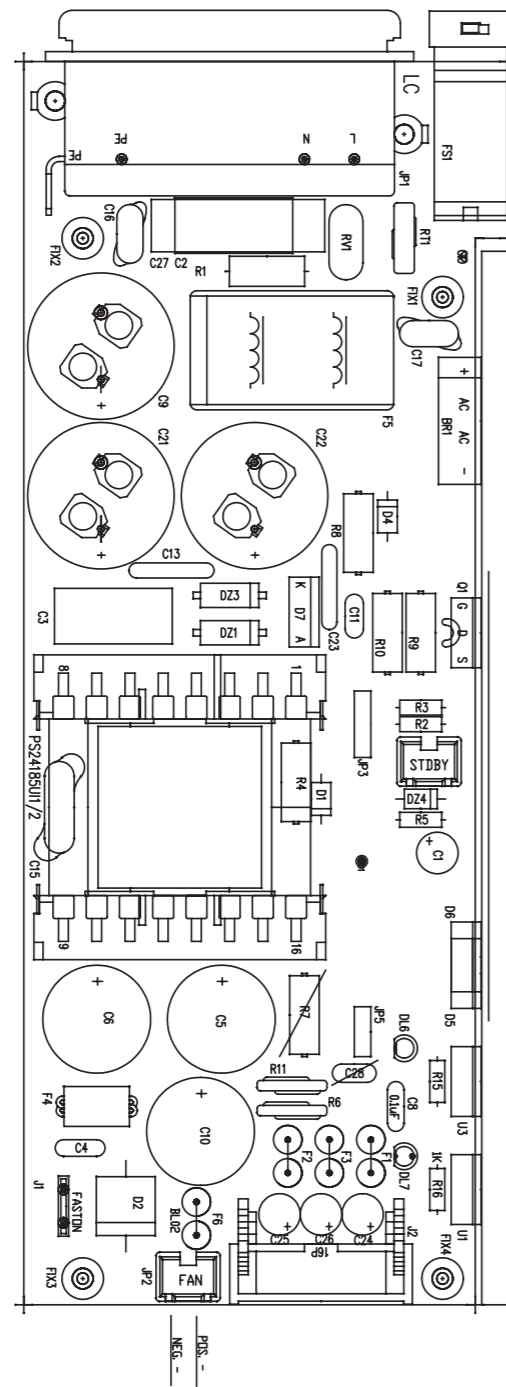
Nota 1 Montare lato saldature



Nome Progetto:	TEX30-LCD	Pagina: 1	di: 2	Size: A3
Autore:	GRIPTECH	Data:	10/01/2005	Codice Progetto:
Nome PC in Rete:	progetti su "UT_SRV"	Revisione:	2.0	Nome Parte:
File/Cartella:	FLY100SMD	Autorizzazione:		Codice:

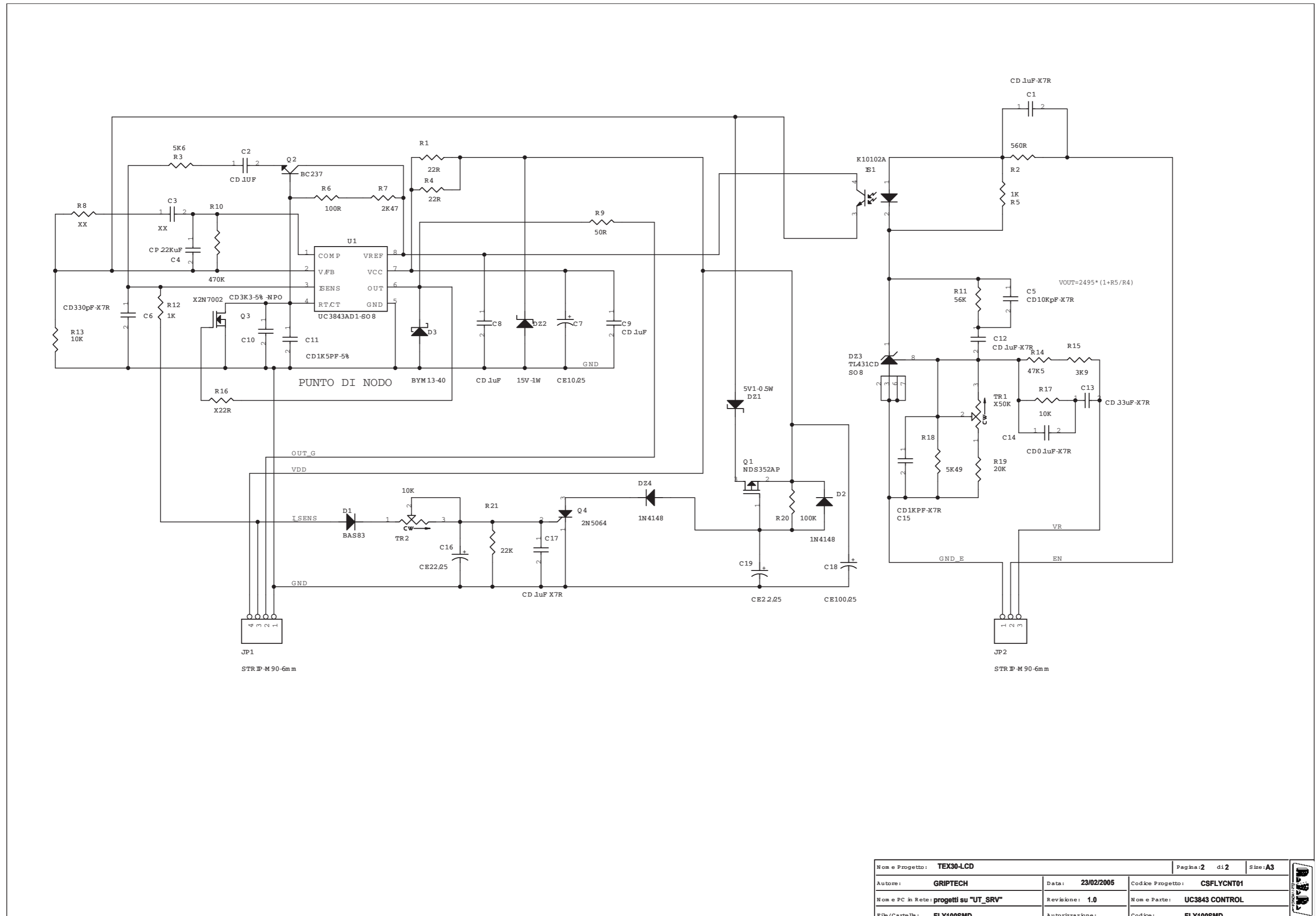
Revised: Wednesday, March 16, 2005

Revision:



Item	Quantity	Reference	Part
1	1	BR1	KBL06
2	2	C2, C27	0.1uF-X2
3	1	C3	CP.1uF/400
4	1	C4	CD4K7pF
5	3	C5, C6, C10	2200/35
6	1	C8	CD.1uF
7	3	C9, C21, C22	100/400
8	1	C11	CD100PF-1KV
9	2	C13, C23	CD10KPF-1KV
10	1	C15	XCD2K2pF-Y2
11	2	C16, C17	CD2K2pF-Y2
12	3	C24, C25, C26	47/35
13	1	C28	XCD1KPF-1KV
14	2	DL6, DL7	LEDV-3D
15	2	DZ1, DZ3	P6KE200
16	1	DZ4	15V-1W
17	3	D1, D3, D4	UF4006
18	1	D2	P600G
19	1	D5	XU1550
20	1	D6	BYQ28E
21	1	D7	SL9R460P2
22	1	FS1	3101-0050
23	4	F1, F2, F3, F6	BL02
24	1	F5	CVO.1A8.10M-E
25	1	JP1	KP01-1112-11
26	2	JP2, JP3	2.5M SF
27	1	J1	FAST-ON
28	1	J2	FLAT-16A
29	1	RT1	NTC10R
30	1	RV1	10N431K
31	1	R1	1M-1W
32	1	R2	10K-A.F.
33	1	R3	4R7-A.F.
34	2	R4, R8	100K/2W
35	1	R5	100R
36	1	R7	X10R/2W
37	2	R9, R10	0.68R/2W
38	1	R15	2K2
39	1	R16	1K
40	1	T1	TSW TCH6
41	1	U1	LM7805
42	1	U3	LM7818

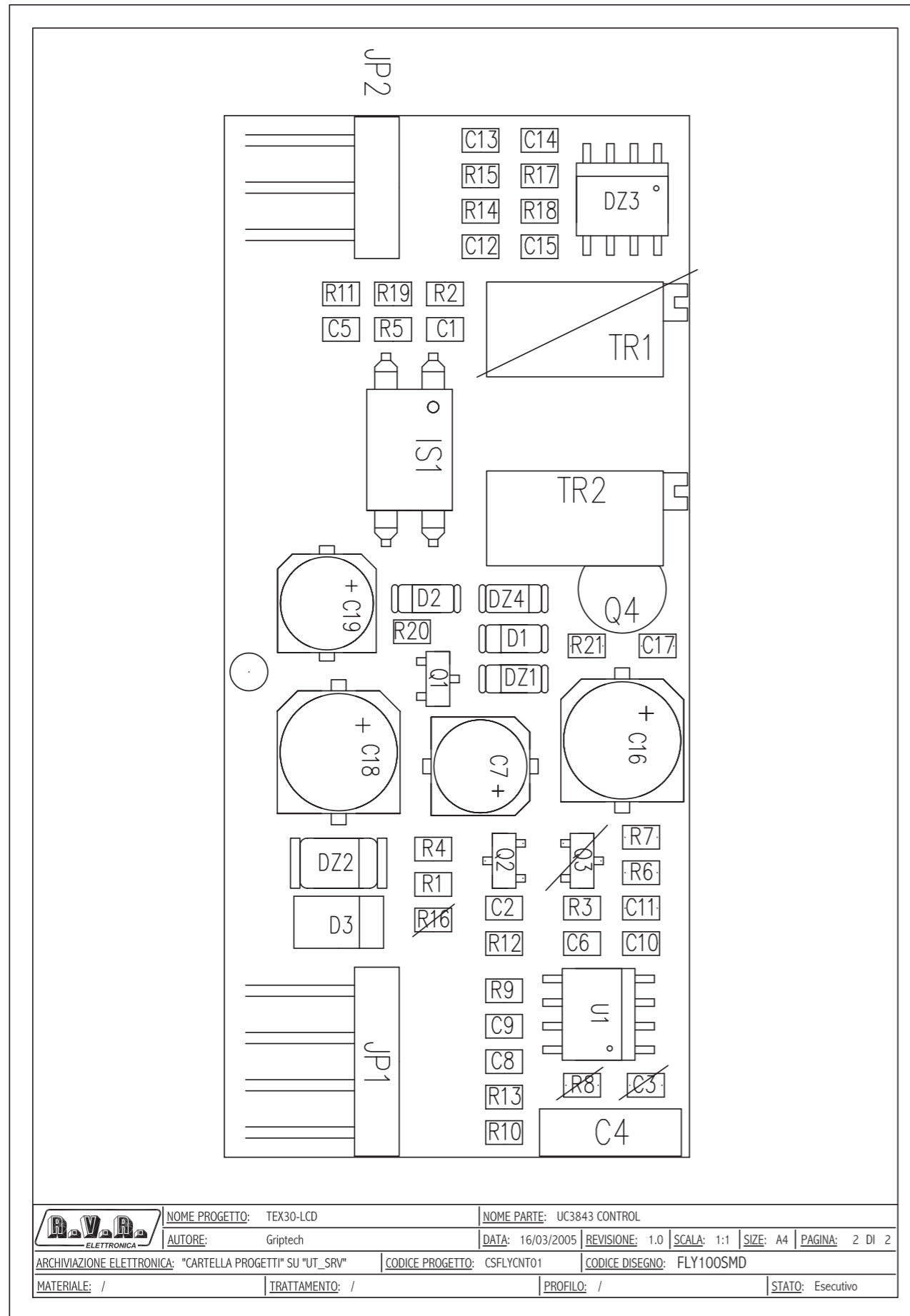
R.V.R. ELETTRONICA	NOME PROGETTO: TEX30-LCD	NOME PARTE: Power Supply FLY100SMD Layout			
	AUTORE: Griptech	DATA: 16/03/2005	REVISIONE: 1.0	SCALA: 1:1	SIZE: A4 PAGINA: 1 DI 2
ARCHIVIAZIONE ELETTRONICA: "CARTELLA PROGETTI" SU "UT_SRV"		CODICE PROGETTO: FLY100 3842	CODICE DISEGNO: FLY100SMD		
MATERIALE: /	TRATTAMENTO: /	PROFILO: /	STATO: Esecutivo		



Nome Progetto: TEX30-LCD		Pagina: 2 di 2	Size: A3
Autore: GRIPTECH	Data: 23/02/2005	Codice Progetto: CSFLYCNT01	
Nome PC in Rete: progetti su "UT_SRV"	Revisione: 1.0	Nome Parte: UC3843 CONTROL	
File/Cartella: FLY100SMD	Autorizzazione:	Codice: FLY100SMD	

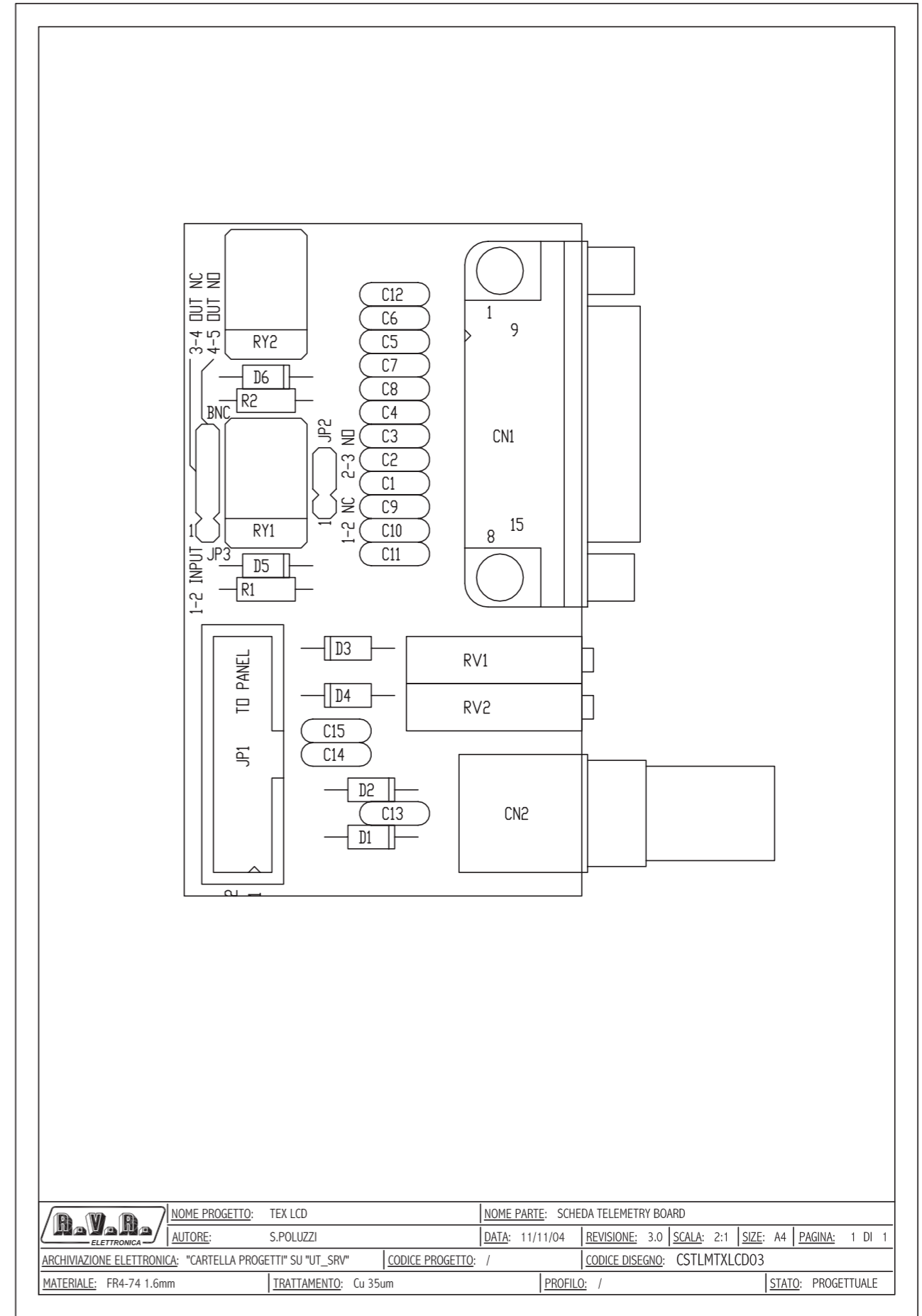
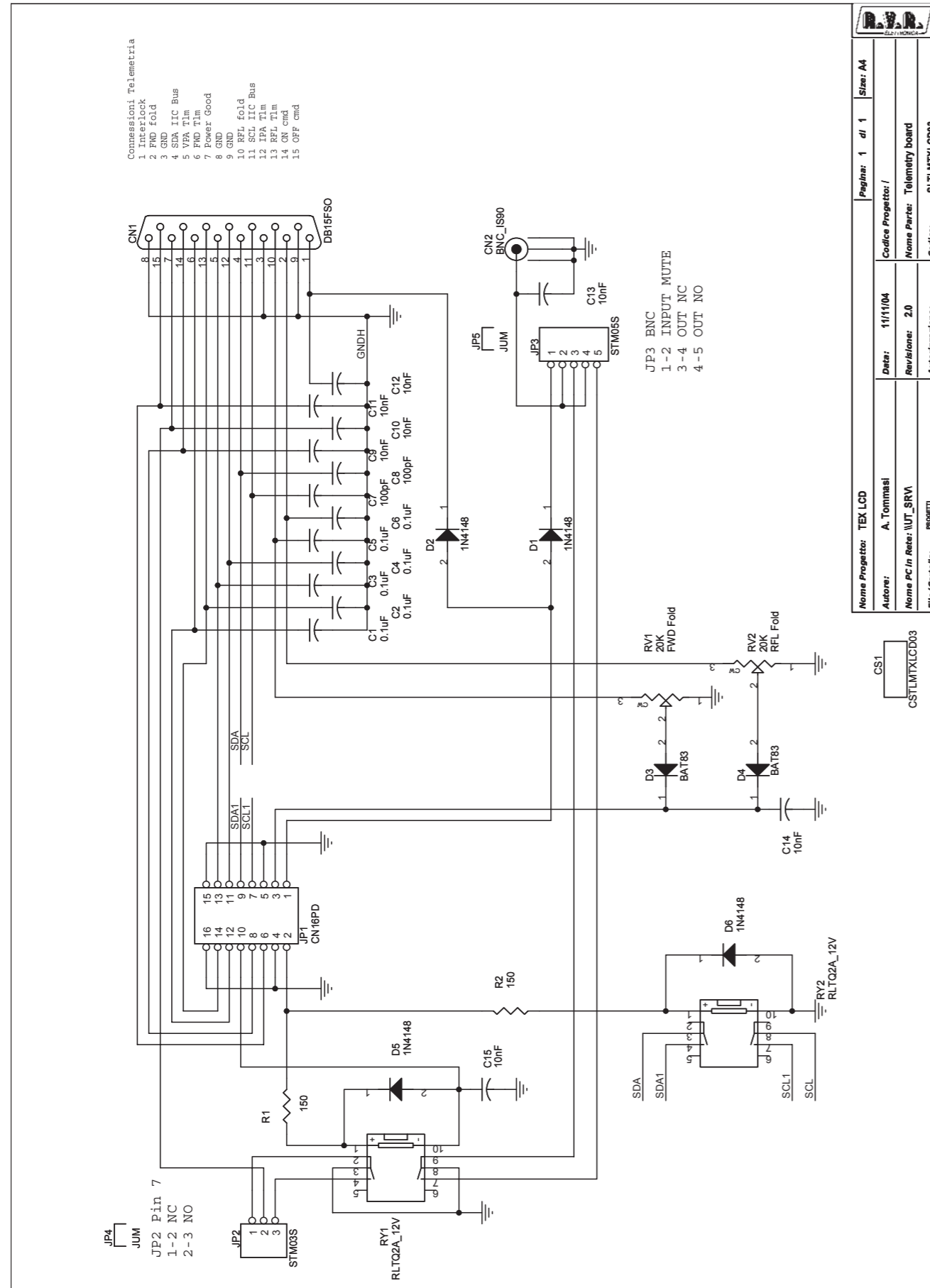
Revised: Wednesday, March 16, 2005

Revision:



Item	Quantity	Reference	Part
1	2	C1, C12	CD 1uF-X7R
2	3	C2, C8, C9	CD 1uF
3	2	C3, R8	XX
4	1	C4	CP 22K uF
5	1	C5	CD10K pF-X7R
6	1	C6	CD330 pF-X7R
7	1	C7	CE10/25
8	1	C10	CD3K3-5% -NPO
9	1	C11	CD1K5PF-5%
10	1	C13	CD 33uF-X7R
11	1	C14	CD0.1uF-X7R
12	1	C15	CD1KPF-X7R
13	1	C16	CE22/25
14	1	C17	CD 1uF X7R
15	1	C18	CE100/25
16	1	C19	CE2.2/25
17	1	DZ1	5V1-0.5W
18	1	DZ2	15V-1W
19	1	DZ3	TL431CD
20	2	D2, DZ4	1N4148
21	1	D1	BAS83
22	1	D3	BYM 13-40
23	1	IS1	K10102A
24	2	JP1, JP2	STR IP-M 90-6m m
25	1	Q1	NDS352AP
26	1	Q2	BC 237
27	1	Q3	X2N7002
28	1	Q4	2N5064
29	2	R1, R4	22R
30	1	R2	560R
31	1	R3	5K6
32	2	R5, R12	1K
33	1	R6	100R
34	1	R7	2K47
35	1	R9	50R
36	1	R10	470K
37	1	R11	56K
38	3	TR2, R13, R17	10K
39	1	R14	47K5
40	1	R15	3K9
41	1	R16	X22R
42	1	R18	5K49
43	1	R19	20K
44	1	R20	100K
45	1	R21	22K
46	1	TR1	X50K
47	1	U1	UC 3843AD1-SO 8

	NOME PROGETTO: TEX30-LCD	NOME PARTE: UC3843 CONTROL			
	AUTORE: Griptech	DATA: 16/03/2005	REVISIONE: 1.0	SCALA: 1:1	SIZE: A4 PAGINA: 2 DI 2
ARCHIVIAZIONE ELETTRONICA: "CARTELLA PROGETTI" SU "UT_SRV"		CODICE PROGETTO: CSFLYCNT01	CODICE DISEGNO: FLY100SMD		
MATERIALE: /	TRATTAMENTO: /	PROFILO: /	STATO: Esecutivo		



Telemetry board Revised: Wednesday, February 25, 2004
SLTLMTXLCD03 Revision: 02
TEX-LCD/RXRL-LCD/PTRL-LCD
RVR0

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	CSTLMTXLCD02	Circuito stampato
4	6	C1, C2, C3, C4, C5, C6	0.1uF	Cond. ceramico p 5mm
5	2	C7, C8	100pF	Cond. ceramico p 5mm
6	7	C9, C10, C11, C12, C13, C14, C15	10nF	Cond. ceramico p 5mm
7	4	D1, D2, D5, D6	1N4148	Diode in vetro DO35
8	2	D3, D4	BAT83	Diode Hot carrier DO35
9	1	JP1	CN16PD	Connettore 16 poli Flat cs
10	1	JP2	STM03S	Strip maschio 3 pin
11	1	JP3	STM05S	Strip maschio 5 pin
12	2	JP4, JP5	JUM	Ponticello Jumper Nota 1
13	2	RV1, RV2	20K	Trimmer Rg H 3006
14	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