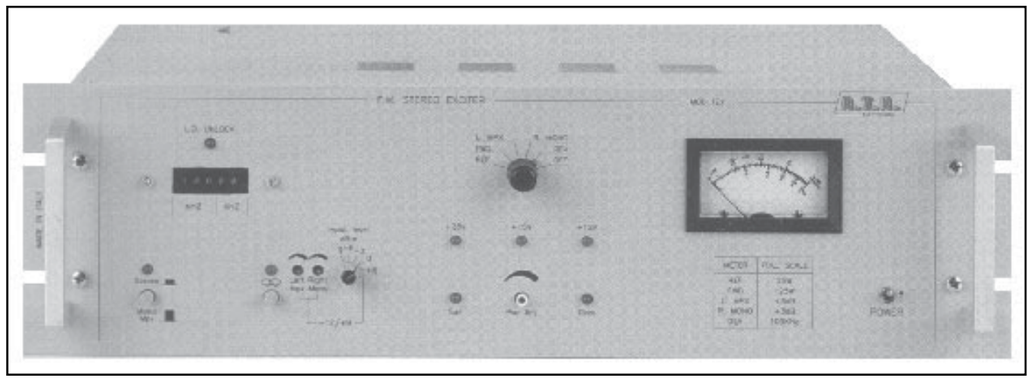
TEX100
TEX100/S



User Manual

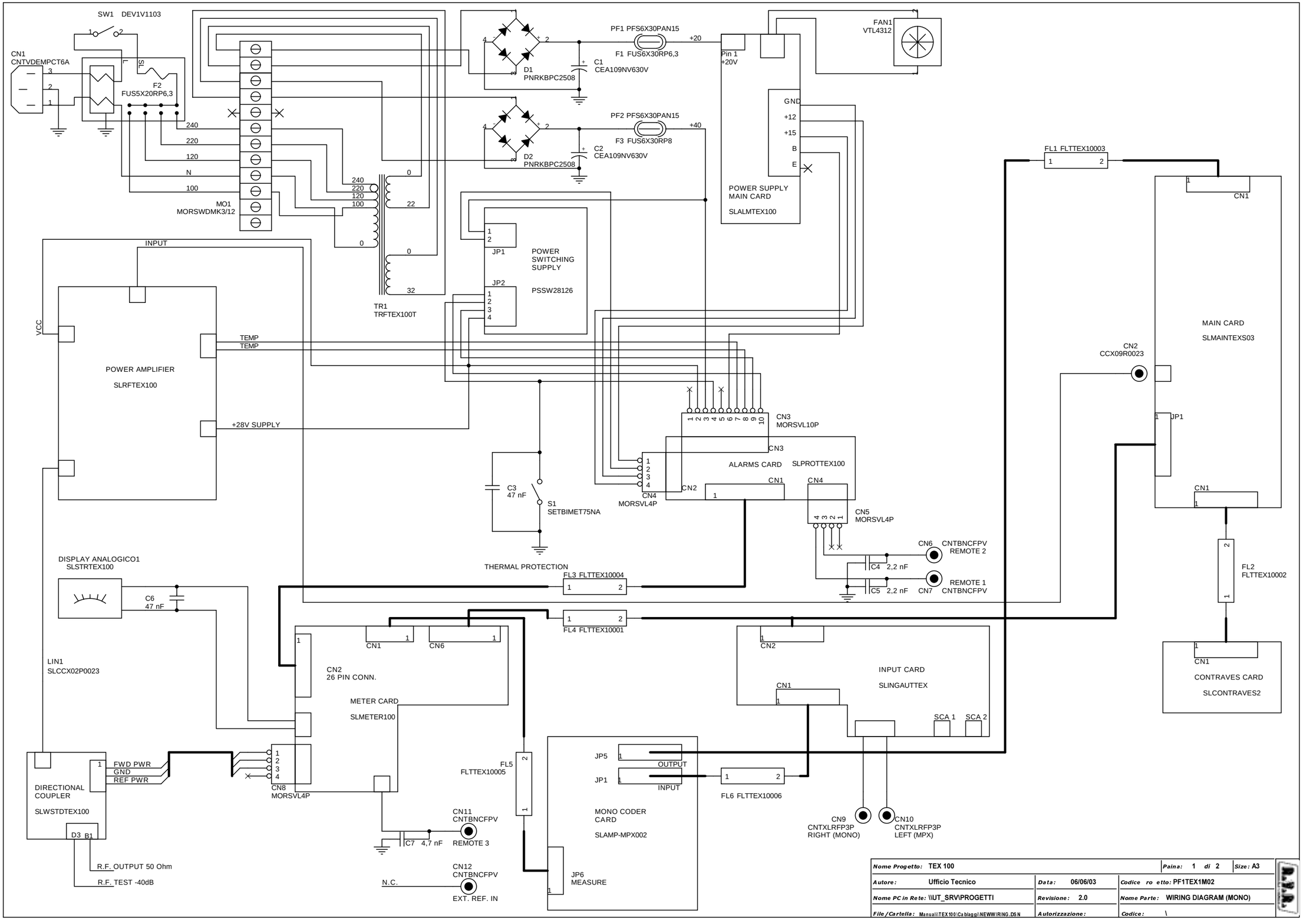
Volume 2: Technical Appendix

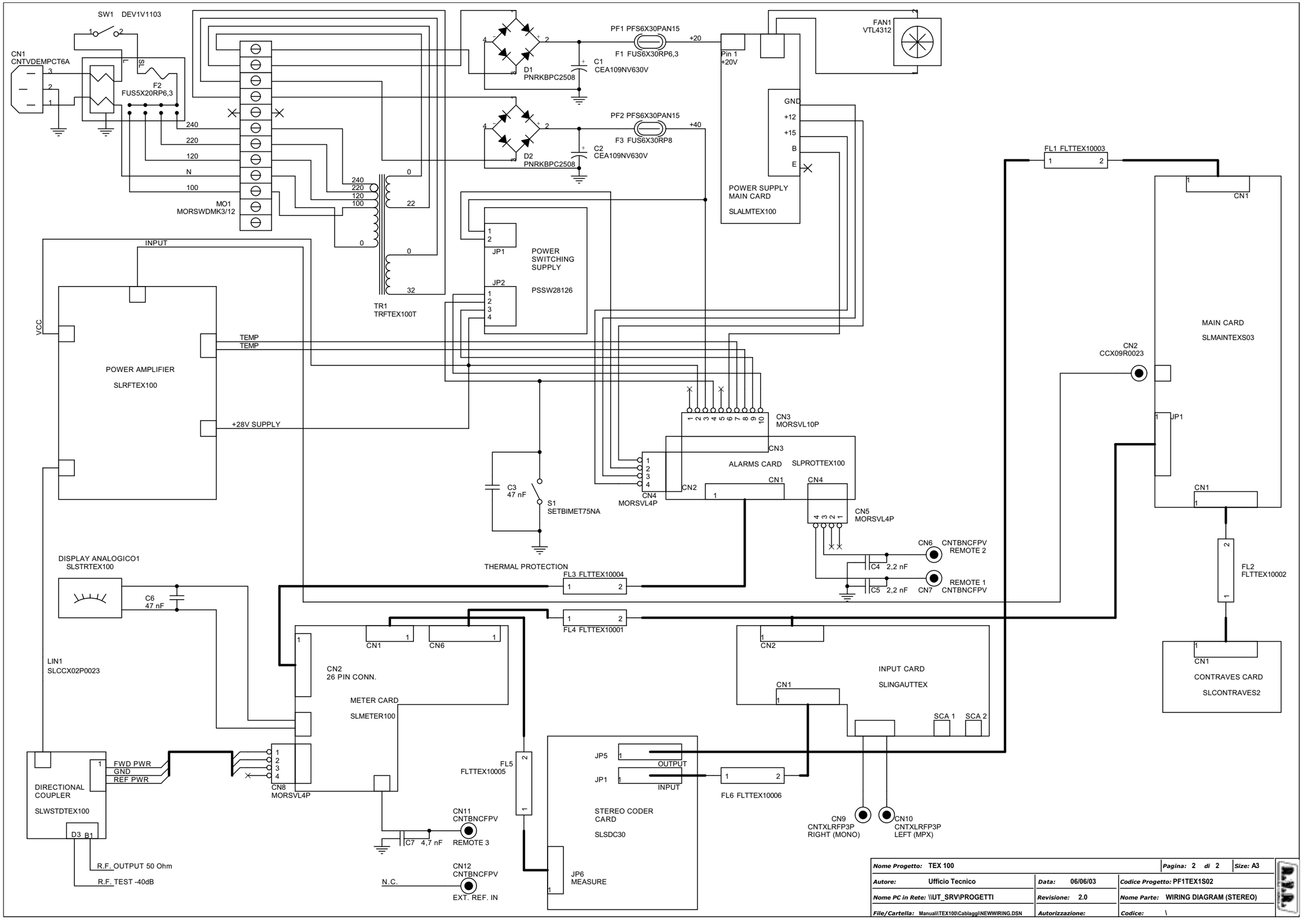
Manufactured by R.V.R. ELETTRONICA **Italy**

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 TEX100. L'appendice è composta dalle seguenti sezioni:

This part of the manual contains the technical details about the different boards of the TEX100. This appendix is composed of the following sections:


SW1 DEV1V1103
CN1
CNTVDEMPCT6A
F2
FUS5X20RP6,3
240
220
120
N
100
MO1
MORSWDMK3/12
D1
PNRKBPC2508
PF1 PFS6X30PAN15
F1 FUS6X30RP6,3
+20
C1
CEA109NV630V
D2
PNRKBPC2508
PF2 PFS6X30PAN15
F3 FUS6X30RP8
+40
C2
CEA109NV630V
Pin 1
+20V
POWER SUPPLY
MAIN CARD
SLALMTEX100
GND
+12
+15
B
E
FAN1
VTL4312
TR1
TRFTEX100T
JP1
JP2
POWER
SWITCHING
SUPPLY
PSSW28126
INPUT
VCC
TEMP
TEMP
POWER AMPLIFIER
SLRFTEX100
+28V SUPPLY
C3
47 nF
S1
SETBIMET75NA
THERMAL PROTECTION
CN3
MORSVL10P
CN4
MORSVL4P
CN3
ALARMS CARD
SLPROTTEX100
CN1
CN2
CN4
CN5
MORSVL4P
CN6
CNTBNCFPV
REMOTE 2
C4 2,2 nF
C5 2,2 nF
CN7
CNTBNCFPV
REMOTE 1
FL1 FLTTEX10003
CN1
MAIN CARD
SLMAINTEXS03
CN2
CCX09R0023
JP1
CN1
FL2
FLTTEX10002
CN1
CONTRAVES CARD
SLCONTRAVES2
DISPLAY ANALOGICO1
SLSTRTEX100
C6
47 nF
LIN1
SLCCX02P0023
FL3 FLTTEX10004
FL4 FLTTEX10001
CN1
CN6
CN2
26 PIN CONN.
METER CARD
SLMETER100
CN2
INPUT CARD
SLINGAUTTEX
CN1
SCA 1
SCA 2
DIRECTIONAL
COUPLER
SLWSTDTEX100
FWD PWR
GND
REF PWR
D3
B1
CN8
MORSVL4P
FL5
FLTTEX10005
JP5
JP1
OUTPUT
INPUT
FL6 FLTTEX10006
MONO CODER
CARD
SLAMP-MPX002
CN11
CNTBNCFPV
REMOTE 3
C7 4,7 nF
CN12
CNTBNCFPV
N.C.
EXT. REF. IN
JP6
MEASURE
CN9
CNTXLRFP3P
RIGHT (MONO)
CN10
CNTXLRFP3P
LEFT (MPX)
R.F. OUTPUT 50 Ohm
R.F. TEST -40dB
Nome Progetto: TEX 100
Paina: 1 di 2
Size: A3
Autore: Ufficio Tecnico
Data: 06/06/03
Codice ro etto: PF1TEX1M02
Nome PC in Rete: \\UT_SRV\PROGETTI
Revisione: 2.0
Nome Parte: WIRING DIAGRAM (MONO)
File /Cartella: Manuali\TEX100\Cablaggi\NEWWIRING.DSN
Autorizzazione:
Codice: \



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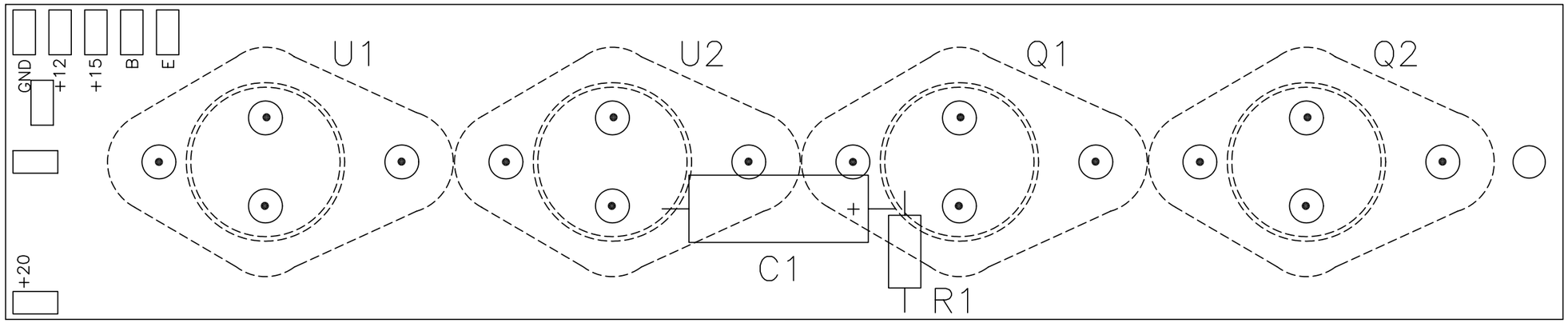
Autore: Ufficio Tecnico	**Data:** 06/06/03	**Codice Progetto:** PF1TEX1S02	
Nome PC in Rete: \\UT_SRV\PROGETTI	**Revisione:** 2.0	**Nome Parte:** WIRING DIAGRAM (STEREO)	
File/Cartella: Manuali\TEX100\Cablaggi\NEWWIRING.DSN	**Autorizzazione:**	**Codice:** \	

WIRING DIAGRAMS Bill Of Materials

Item	Quantity	Reference	Part
1	1	CN1	CNTVDEMPCT6A
2	1	CN2	CCX09R0023
3	1	CN3	MORSVL10P
4	3	CN4,CN5,CN8	MORSVL4P
5	4	CN6,CN7,CN11,CN12	CNTBNCFPV
6	2	CN10,CN9	CNTXLRFP3P
7	2	C1,C2	CEA109NV630V
8	2	C3,C6	47 nF
9	2	C4,C5	2,2 nF
10	1	C7	4,7 nF
11	1	DISPLAY ANALOGICO1	SLSTRTEX100
12	2	D2,D1	PNRKBPC2508
13	1	FAN1	VTL4312
14	1	FL1	FLTTEX10003
15	1	FL2	FLTTEX10002
16	1	FL3	FLTTEX10004
17	1	FL4	FLTTEX10001
18	1	FL5	FLTTEX10005
19	1	FL6	FLTTEX10006
20	1	F1	FUS6X30RP6,3
21	1	F2	FUS5X20RP6,3
22	1	F3	FUS6X30RP8
23	1	LIN1	SLCCX02P0023
24	1	MO1	MORSWDMK3/12
25	2	PF1,PF2	PFS6X30PAN15
26	1	SW1	DEV1V1103
27	1	S1	SETBIMET75NA
28	1	TR1	TRFTEX100T



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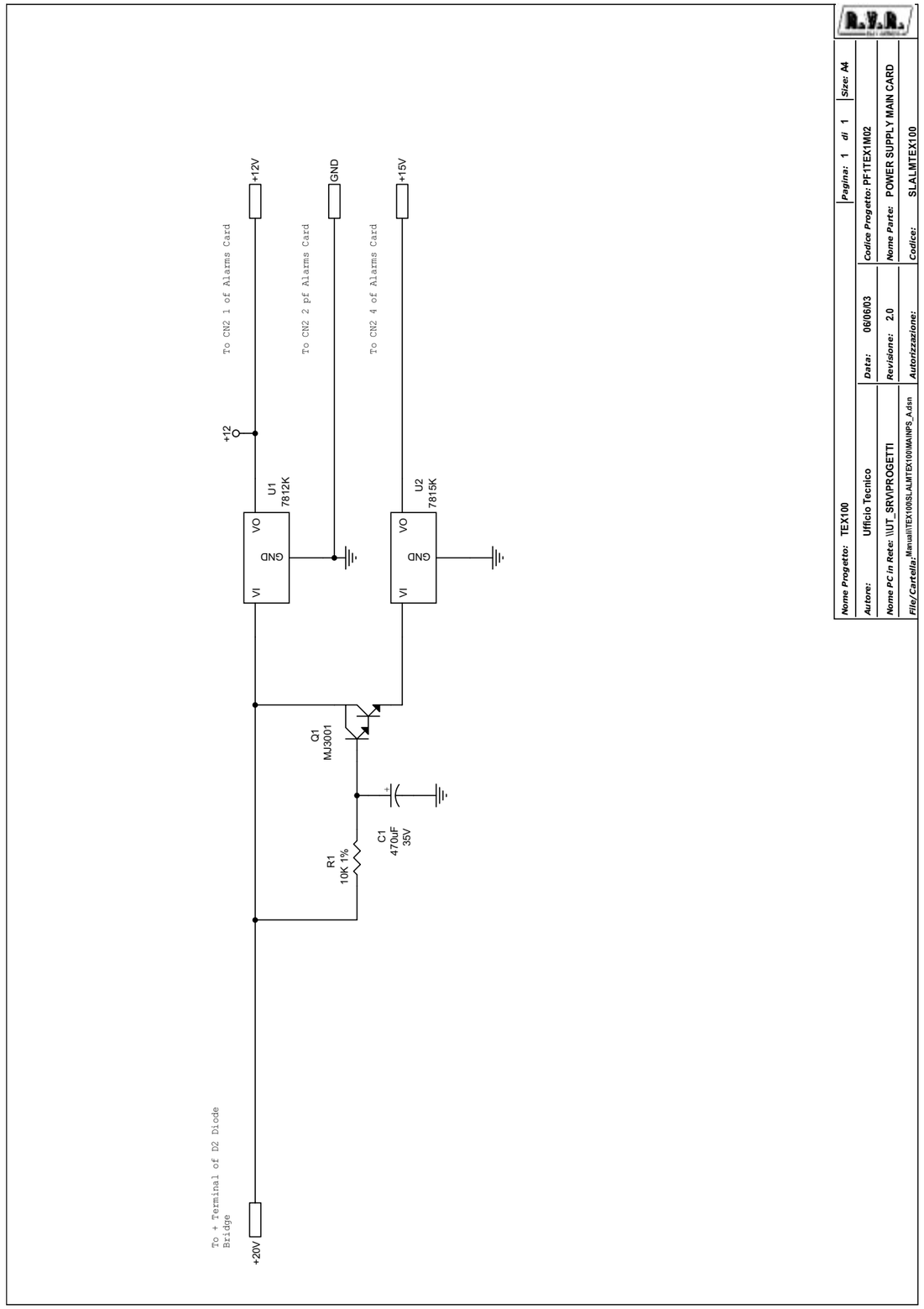
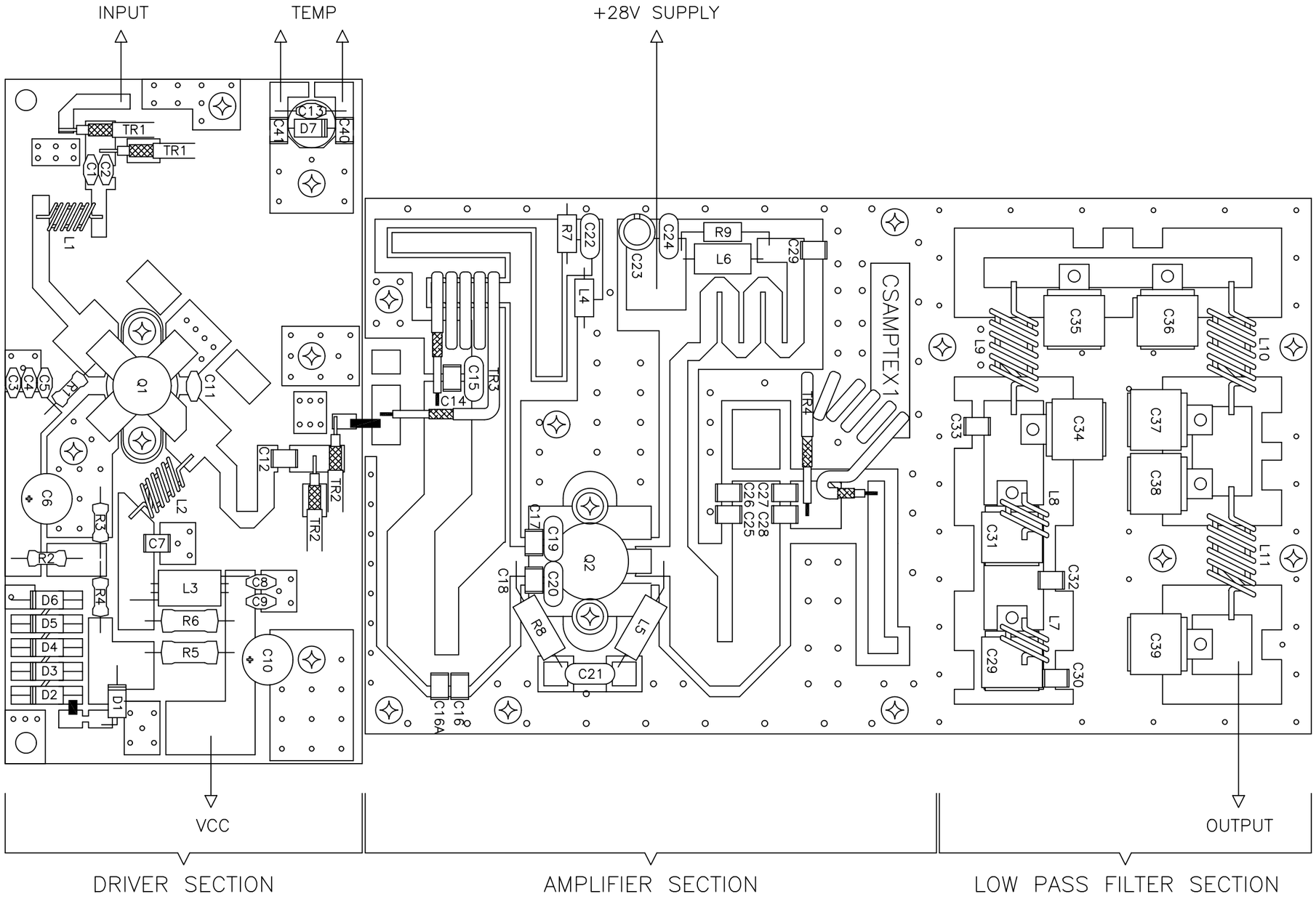
Nome PC in Rete:	\\UT_SVR\PROGETTI	Revisione:	2.0	Nome Parte:	MAIN POWER SUPPLY
File/Cartella:	MANUALI\TEX100\SLALMTEX100\LAYMNPS.DWG	Autorizzazione:		Codice:	SLALMTEX100
Scala: /	Materiale: /	Trattamento:	/	Profilo:	/



Main Power Supply Bill Of Materials

Item	Q.ty	Reference	Part
1	1	R1	10K 1% RESISTOR 1/4W 1%
2	1	C1	470UF ELECTROLYTIC CAPACITOR
3	1	SW1	1V 2P DEVIATORE 1 VIA 2 POS
4	1	U1	7812K POS. STABILIZER 1.5A
5	1	U2	7815K POS. STABILIZER 1.5A
6	1	Q1	MJ3001 POWER TRANSISTOR



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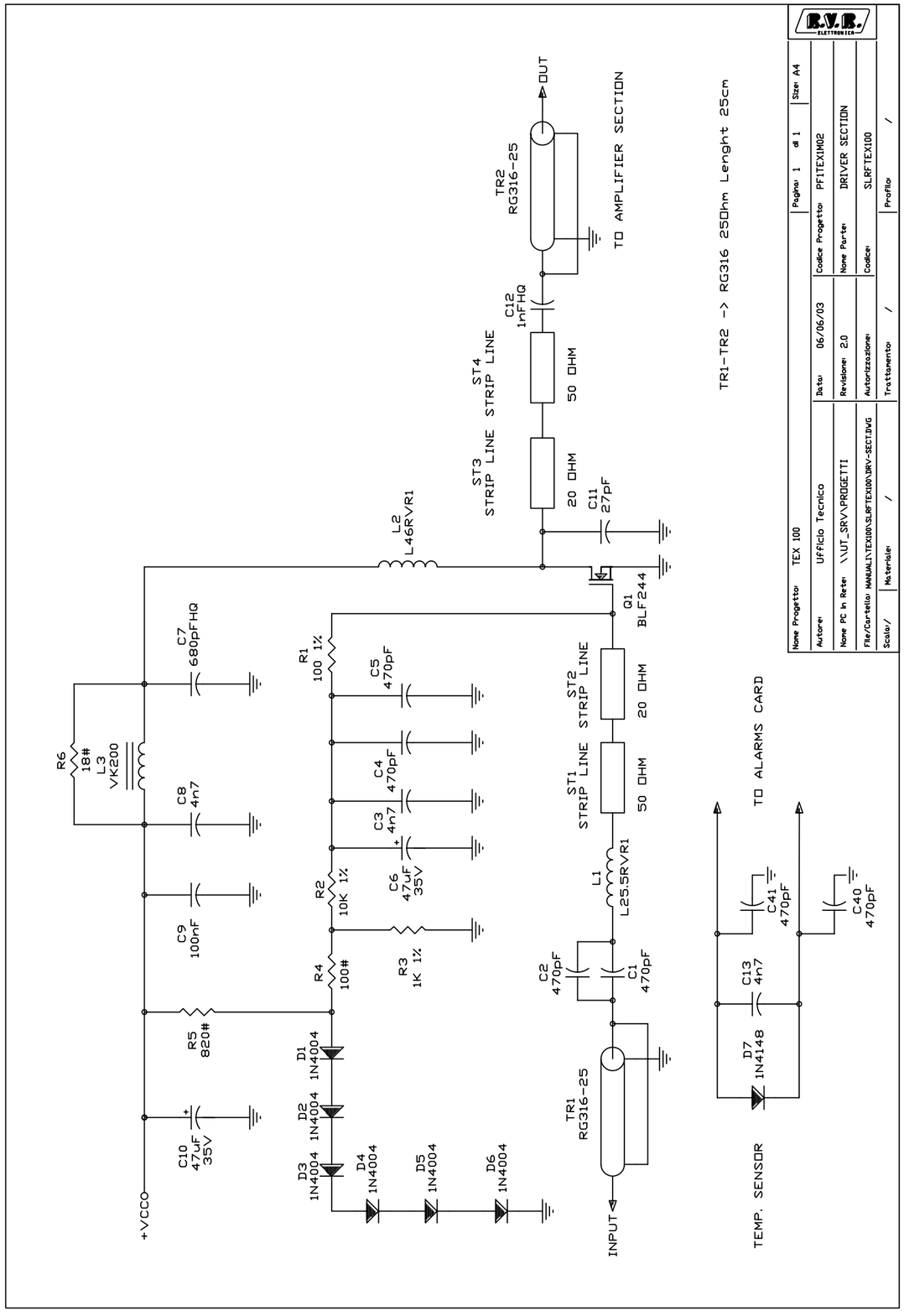
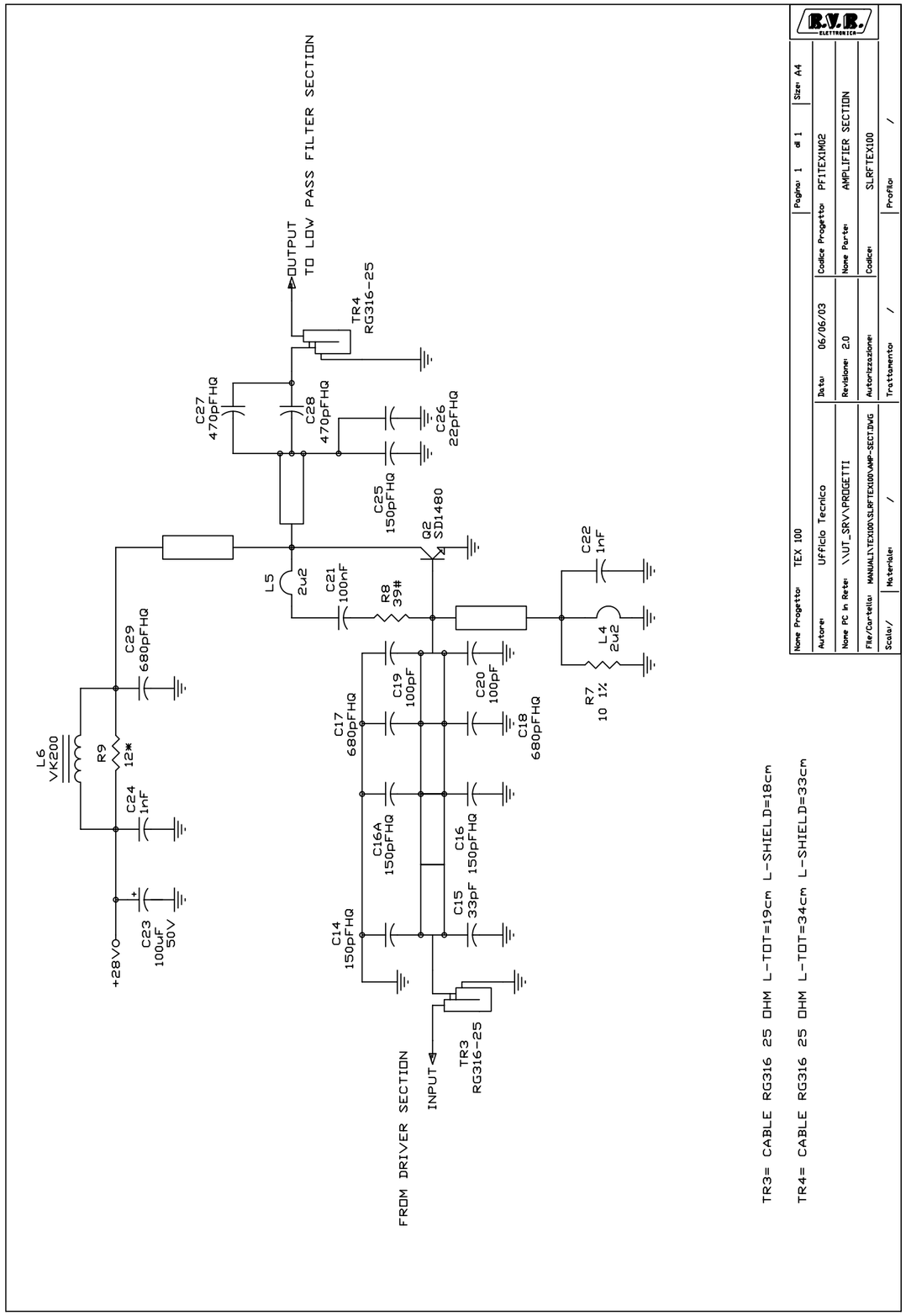
Nome PC in Rete:	\\UT_SRV\PROGETTI	Revisione:	2.0	Nome Parte:	POWER AMPLIFIER
File/Cartella:	MANUALI\TEX100\SLRFTEX100\LAYAMP.DWG	Autorizzazione:		Codice:	SLRFTEX100/SLDRVTEX100
Scala: /	Materiale: /	Trattamento:	/	Profilo:	/



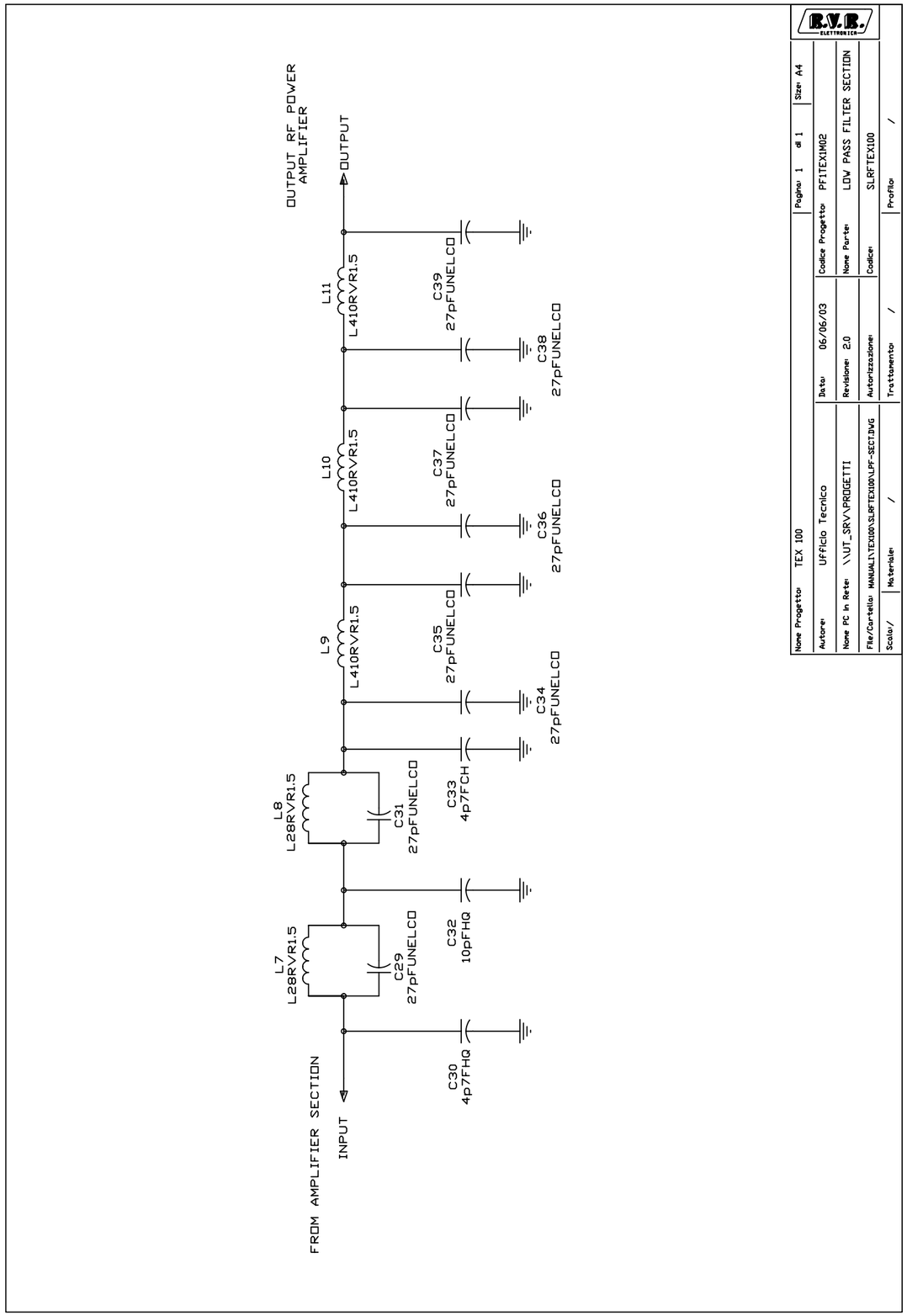
R.F. Power Amplifier - Driver Section - Bill Of Materials

Item	Quantity	Reference	Part	DESCRIPTION	PART ORDER CDE
1	1	R6	18#	RESISTOR 2W	
2	1	R1	100 1%	RESISTOR 1/4W 1%	
3	1	R4	100#	RESISTOR 2W	
4	1	R5	820#	RESISTOR 2W	
5	1	R3	1K 1%	RESISTOR 1/4W 1%	
6	1	R2	10K 1%	RESISTOR 1/4W 1%	
7	1	C11	27PF	CERAMIC CAPACITOR NP0	
8	4	C1,C2,C4,C5	470PF	CERAMIC CAPACITOR	
9	1	C7	680PFHQ	HIGHT Q CAPACITOR	
10	1	C12	1NFHQ	HIGHT Q CAPACITOR	
11	3	C3,C8,C13	4N7	CERAMIC CAPACITOR	
12	1	C9	100NF	CERAMIC CAPACITOR	
13	2	C6,C10	47UF	ELECTROLYTIC CAPACITOR	
14	1	L3	VK200	RF CHOKE	
15	1	L1	L25.5RVR1	2 SP DIA 5.5 RAME ARG. 1 mm	
16	1	L2	L46RVR1	4 SP DIA 6 RAME ARG. 1 mm	
17	2	TR1,TR2	RG316-25	CAOX CABLE RG316 25 Ohm	
18	1	D7	1N4148	SILICON DIODE	
19	6	D1,D2,D3,D4,D5,D6	1N4004	SILICON DIODE 400V	
20	1	Q1	BLF244	VHF MOS TRANSISTOR	
21	4	ST1,ST2,ST3,ST4		STRIP LINE	



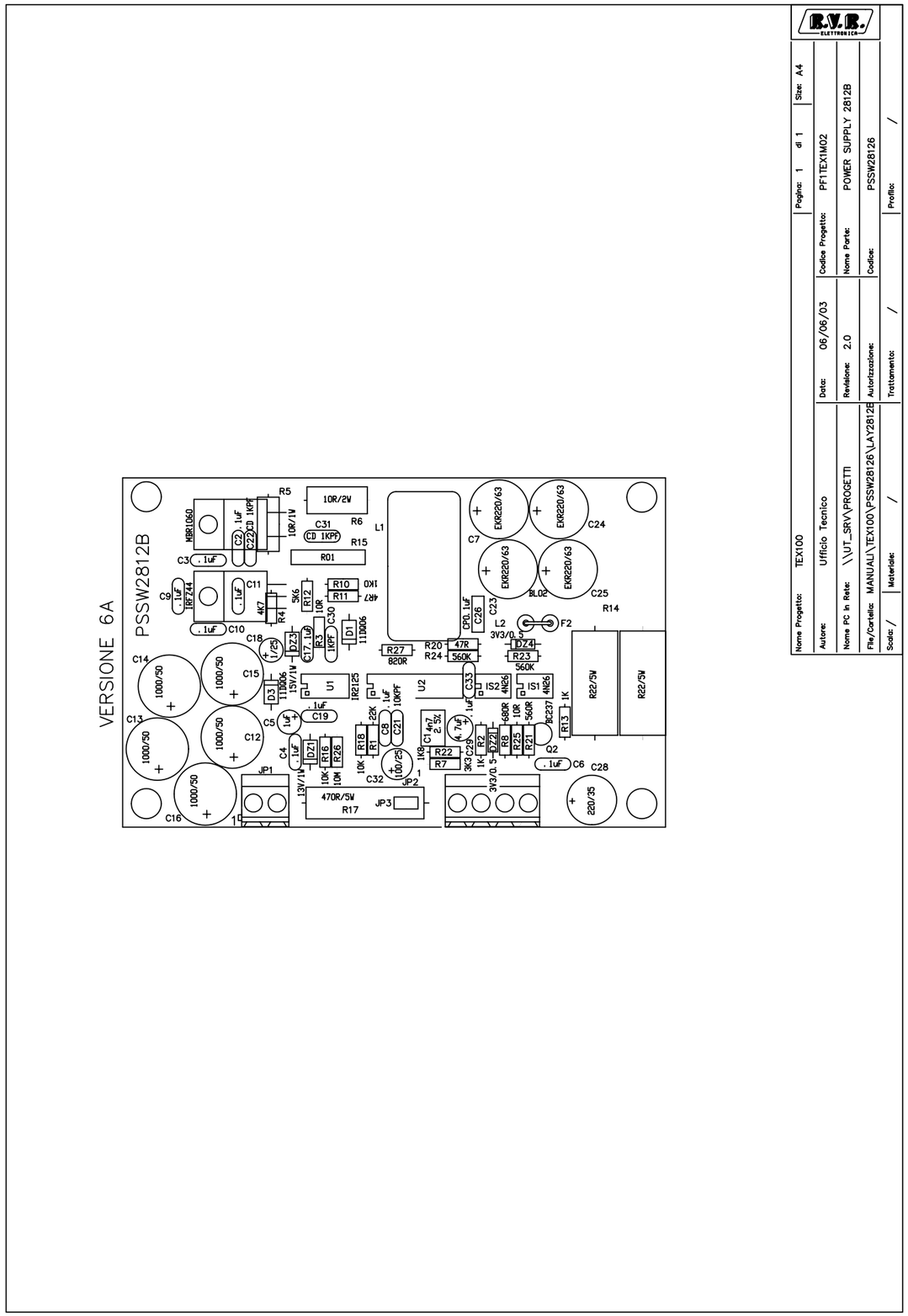
R.F. Power Amplifier - Amplifier Section Bill Of Materials

Item	Quantity	Reference	Part	DESCRIPTION	PART ORDER CDE
1	1	R7	10 1%	RESISTOR 1/4W 1%	
2	1	R9	12*	RESISTOR 1/2W 5%	
3	1	R8	39#	RESISTOR 2W	
4	1	C26	22PFHQ	HIGHT Q CAPACITOR	
5	1	C15	33PF	CERAMIC CAPACITOR NP0	
6	2	C19,C20	100PF	CERAMIC CAPACITOR NP0	
7	4	C14,C16A,C16,C25	150PFHQ	HIGHT Q CAPACITOR	
8	2	C27,C28	470PFHQ	HIGHT Q CAPACITOR	
9	3	C17,C18,C29	680PFHQ	HIGHT Q CAPACITOR	
10	2	C22,C24	1NF	CERAMIC CAPACITOR	
11	1	C21	100NF	CERAMIC CAPACITOR	
12	1	C23	100UF	ELECTROLYTIC CAPACITOR	
13	2	L4,L5	2U2	RF CHOKE	
14	1	L6	VK200	RF CHOKE	
15	2	TR3,TR4	RG316-25	CAOX CABLE RG316 25 Ohm	
16	1	Q2	SD1480	RF POWER TRANSISTOR	



R.F. Power Amplifier - Low Pass Filter Sect. Bill Of Materials

Item	Quantity	Reference	Part	DESCRIPTION	PART ORDER CDE
1	1	C30	4P7FHQ	HIGHT Q CAPACITOR	
2	1	C33	4P7FCH	CERAMIC CHIP CAPACITOR	
3	1	C32	10PFHQ	HIGHT Q CAPACITOR	
4	8	C29,C31,C34,C35, C36,C37,C38,C39	27PFUNELCO	SILVER MICA CAPACITOR	
5	2	L7,L8	L28RVR1.5	2 SP DIAM 8 RAME ARGEN 1.5mm	
6	3	L9,L10,L11	L410RVR1.5	4 SP DI 10 RAME ARGEN 1.5mm	



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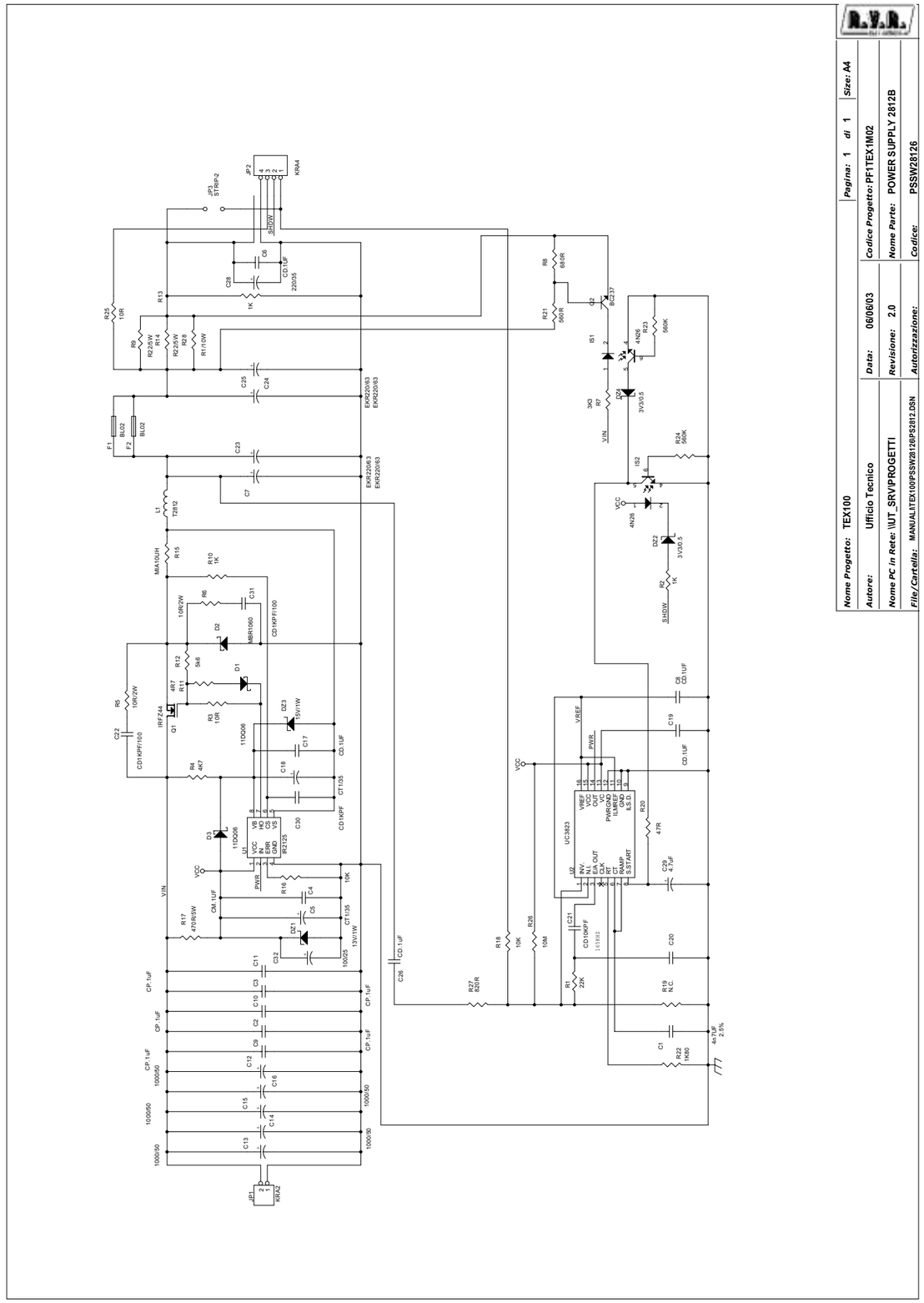
Nome PC in Rete:	\\UT_SRV\PROGETTI	**Revisione:** 2.0	**Nome Parte:** POWER SUPPLY 2812B
File/Cartella:	MANUALI\TEX100\PSSW28126\LAY2812B	**Autorizzazione:**	**Codice:** PSSW28126
Scala: /	**Materiale:** /	**Trattamento:** /	**Profilo:** /



Nome Progetto:	TEX100	**Pagina:** 1 **di** 1	**Size:** A4
Autore:	Ufficio Tecnico	**Data:** 06/06/03	**Codice Progetto:** PF1TEX1M02
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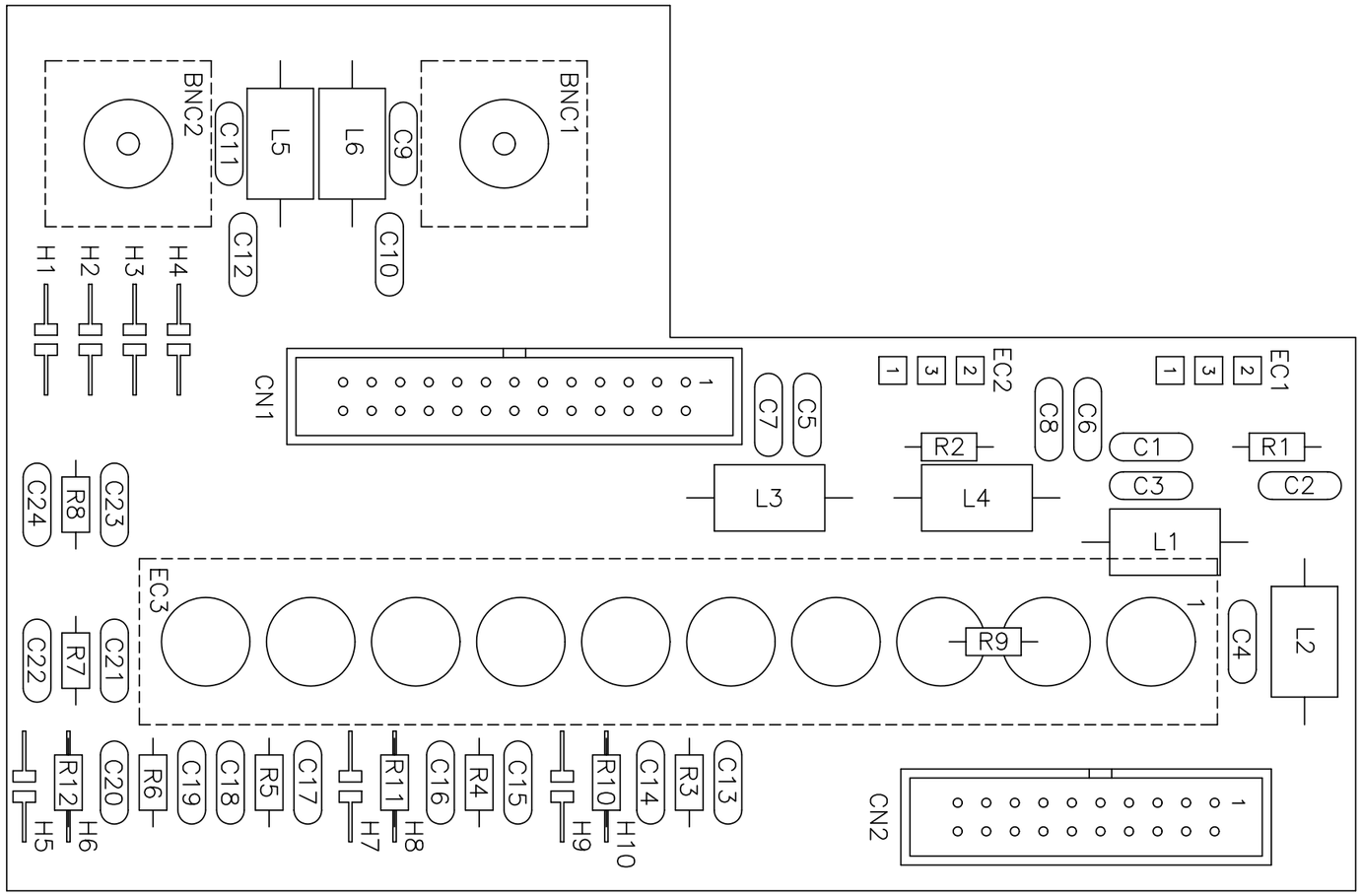
File/Cartella:	MANUALI\TEX100\PSSW28126PS2812.DSN	**Autorizzazione:**	**Codice:** PSSW28126

Power Supply 2812b Bill Of Materials

Item	Quantity	Reference	Part
1	1	C1	4n7UF
2	5	C2,C3,C9,C10,C11	CP.1uF
3	1	C4	CM.1UF
4	2	C18,C5	CT1/35
5	5	C6,C8,C17,C19,C26	CD.1UF
6	4	C7,C23,C24,C25	EKR220/63
7	5	C12,C13,C14,C15,C16	1000/50
8	1	C20	N.C.
9	1	C21	CD10KPF
10	2	C22,C31	CD1KPF/100
11	1	C28	220/35
12	1	C29	4.7uF
13	1	C30	CD1KPF
14	1	C32	100/25
15	1	Z1	13V/1W
16	2	DZ2,DZ4	3V3/0.5
17	1	DZ3	15V/1W
18	2	D1,D3	11DQ06
19	1	D2	MBR1060
20	2	F2,F1	BL02
21	2	IS2,IS1	4N26
22	1	JP1	KRA2
23	1	JP2	KRA4
24	1	JP3	STRIP-2
25	1	L1	T2812
26	1	Q1	IRFZ44
27	1	Q2	BC237
28	1	R1	22K
29	3	R2,R10,R13	1K
30	2	R3,R25	10R
31	1	R4	4K7
32	2	R6,R5	10R/2W
33	1	R7	3K3
34	1	R8	680R
35	2	R14,R9	R22/5W
36	1	R11	4R7
37	1	R12	5k6
38	1	R15	MIA10UH
39	2	R16,R18	10K
40	1	R17	470R/5W
41	1	R19	N.C.
42	1	R20	47R
43	1	R21	560R
44	1	R22	1K80
45	2	R24,R23	560K
46	1	R26	10M
47	1	R27	820R
48	1	U1	IR2125
49	1	U2	UC3823



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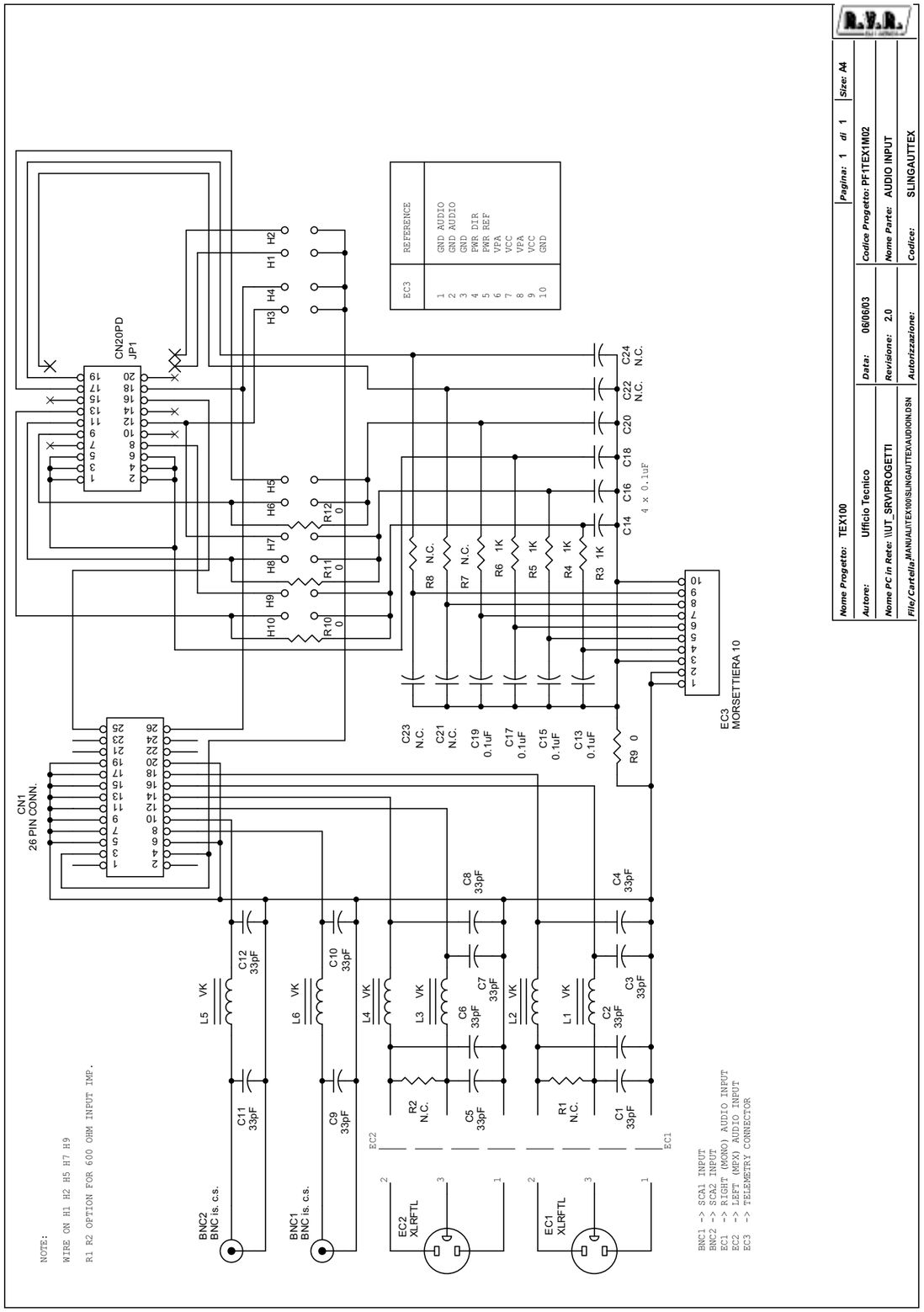
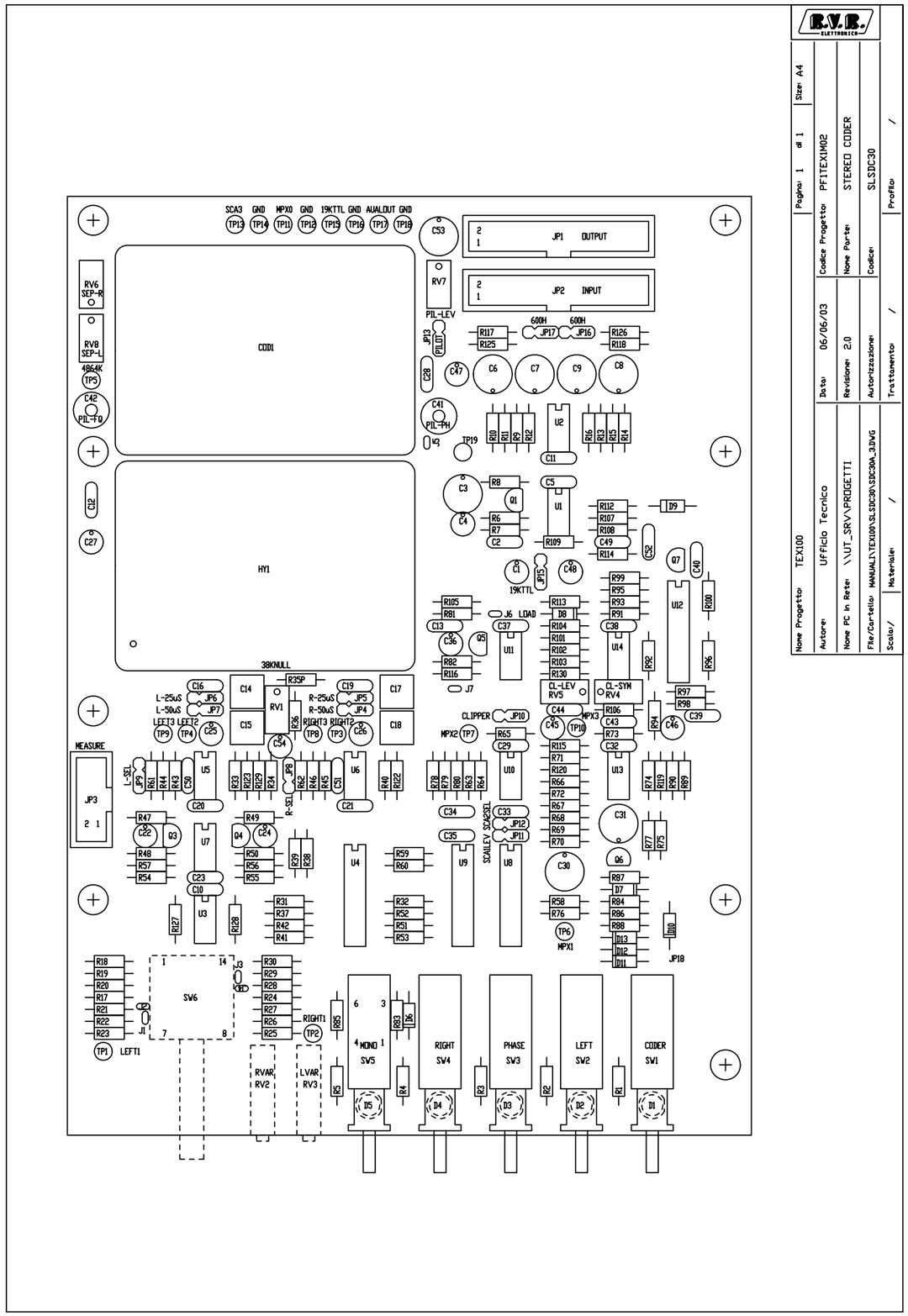
File/Cartella:	MANUALI\TEX100\SLINGAUTTEX\LAYAUI.DWG		Autorizzazione:		Codice:	SLINGAUTTEX	
Scala: /	Materiale: /		Trattamento: /		Profilo: /		



Audio Input

Bill Of Materials

Item	Quantity	Reference	Part	Description	Part Order Code
1	4	R3,R4, R5,R6	1K	RESISTOR 1/4W 5%	
2	12	C1,C2,C3, C4,C5,C6, C7,C8,C9, C10,C11,C12	33pF	CERAMIC CAPACITOR NP0	
3	8	C13,C14, C15,C16, C17,C18, C19,C20	0.1uF	CERAMIC CAPACITOR	
4	6	L1,L2,L3, L4,L5,L6	VK	RF CHOKE	
5	1	EC3	MORSET. 10	MORSETT. TEL. 10 CONT.	
6	2	CN1	26 P CONN.	CONN. M 2*13 P 2.54	
7	2	BNC1,BNC2	BNC IS.CS.	CONN. BNC A STAMP. IS.	
8	10	H1,H2,H3, H4,H5,H6, H7,H8, H9,H10	WIRE JUMP.	PONTICELLO A FILO	
9	8	R1,R2,R7, R8,C21,C22, C23,C24	N.C.	RESISTOR 0OHM	
10	4	R9,R10,R11, R12	0	NOT CONNECTED	
11	1	CN2	20 P CONN	CONN. M 2*10 P	



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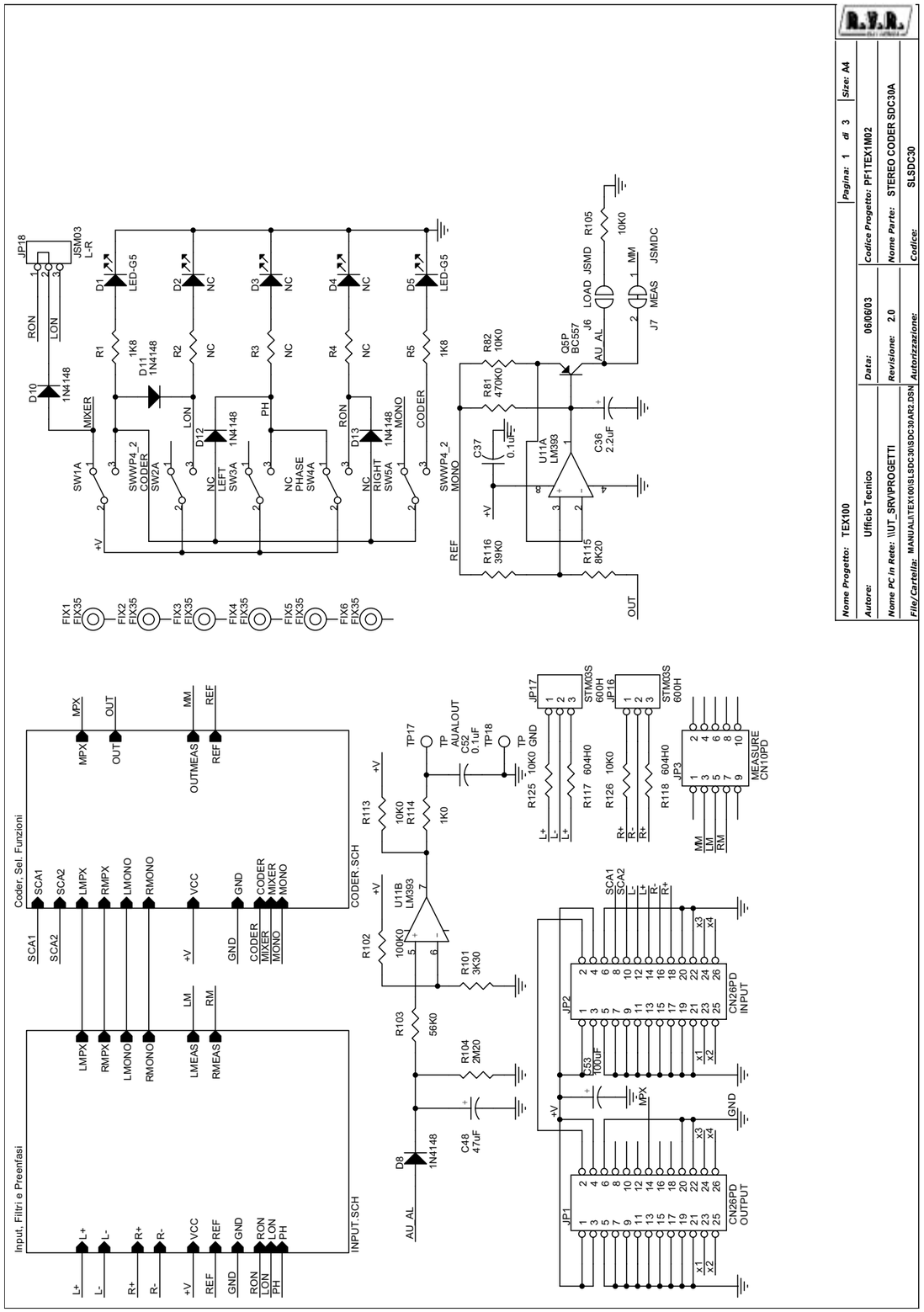
None PC in Rete:	\\UT_SRV\PROGETTI	Revisione: 2.0	None Parte: STEREO CODER
File/Cartella:	MANUALI\TEX100\SLSDC30\SDC30A_3.DWG	Autorizzazione:	Codice: SLSDC30
Scala: /	Materiale: /	Trattamento: /	Profilo: /



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Autore:	Ufficio Tecnico	Data: 06/06/03	Codice Progetto: PF1TEX1M02
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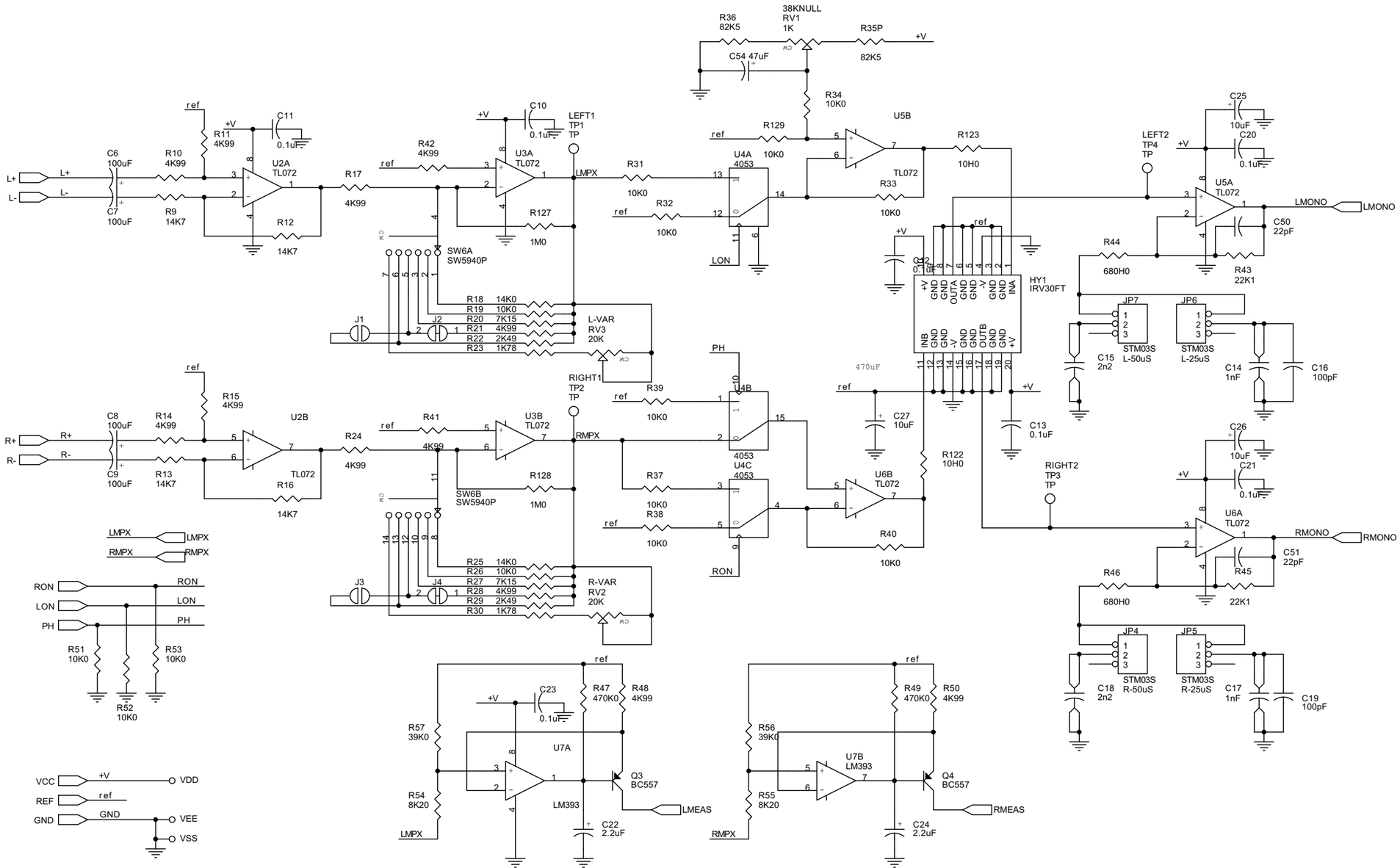
File/Cartella:	MANUALI\TEX100\SLSDC30\SDC30AR2.DSN	Autorizzazione:	Codice: SLSDC30

SW6, RV2, RV3 VANNO MONTATI LATO SALDATURE

J1, J2, J3 e J4 vanno fatti lato componenti



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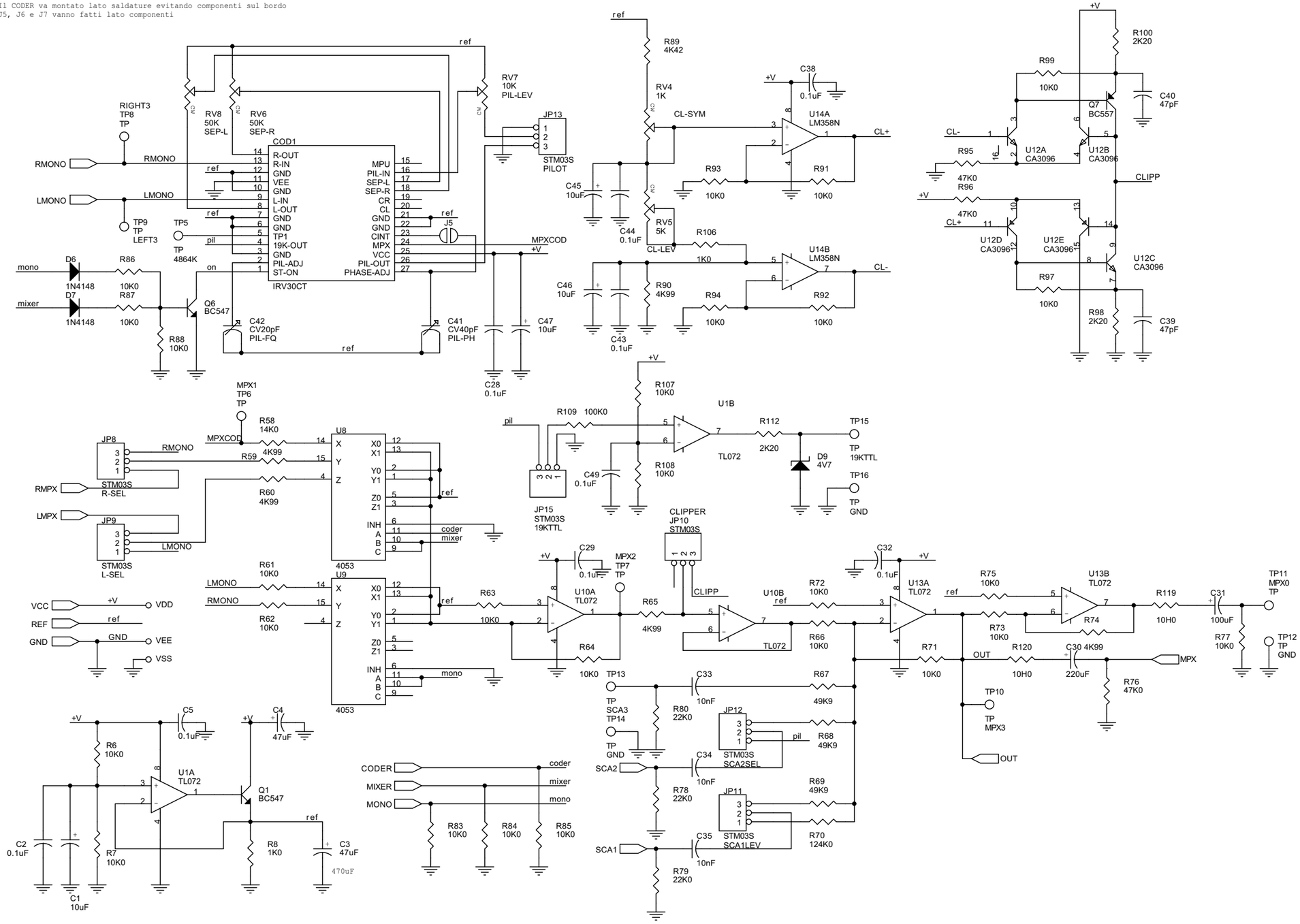
Nome PC in Rete: \\UT_SRV\PROGETTI	**Revisione:** 2.0	**Nome Parte:** INPUT,FILTER,PREEMPHASYS	
File/Cartella: MANUALI\TEX100\SLSDC30\SDC30AR2.DSN	**Autorizzazione:**	**Codice:** SLSDC30	

Il CODER va montato lato saldature evitando componenti sul bordo
J5, J6 e J7 vanno fatti lato componenti



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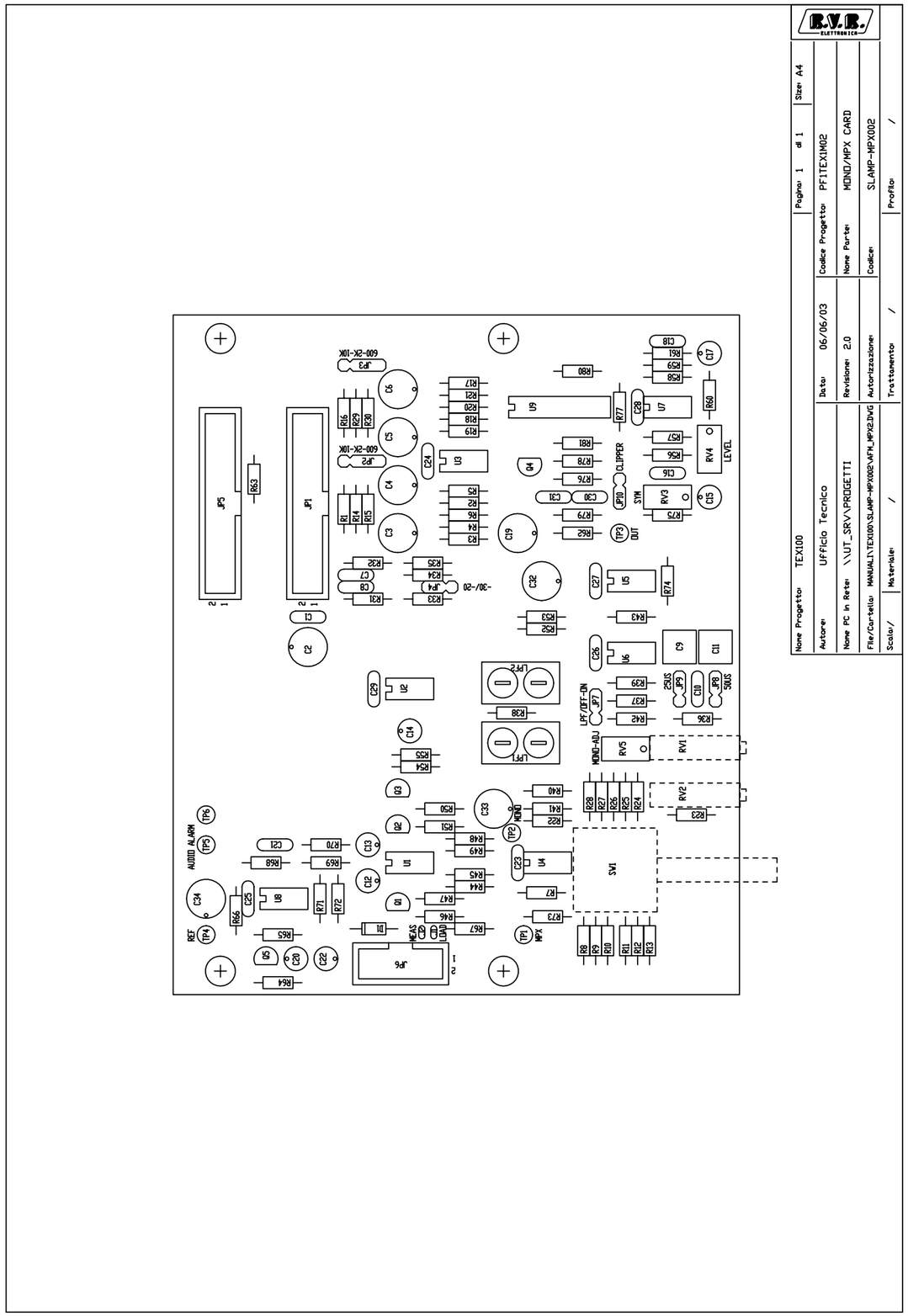
File/Cartella: MANUALI\TEX100\SLSDC30\SDC30AR2.DSN	**Autorizzazione:**	**Codice:** SLSDC30	

Stereo Coder Bill Of Materials

Item	Quantity	Reference	Part
1	1	COD1	IRV30CT
2	7	C1,C25,C26,C27,C45,C46, C47	10uF
3	18	C2,C5,C10,C11,C12,C13, C20,C21,C23,C28,C29,C32, C37,C38,C43,C44,C49,C52	0.1uF
4	4	C3,C4,C48,C54	47uF
5	6	C6,C7,C8,C9,C31,C53	100uF
6	2	C17,C14	1nF
7	2	C18,C15	2n2
8	2	C19,C16	100pF
9	3	C22,C24,C36	2.2uF
10	1	C30	220uF
11	3	C33,C34,C35	10nF
12	2	C39,C40	47pF
13	1	C41	CV40pF
14	1	C42	CV20pF
15	2	C50,C51	22pF
16	2	D1,D5	LED-G5
17	9	SW2,R2,D2,SW3,R3,D3,SW4, R4,D4	NC
18	7	D6,D7,D8,D10,D11,D12,D13	1N4148
19	1	D9	4V7
20	6	FIX1,FIX2,FIX3,FIX4,FIX5, FIX6	FIX35
21	1	HY1	IRV30FT
22	2	JP1,JP2	CN26PD
23	1	JP3	CN10PD
24	13	JP4,JP5,JP6,JP7,JP8,JP9, JP10,JP11,JP12,JP13,JP15, JP16,JP17	STM03S
25	1	JP18	JSM03
26	4	J1,J3,J5,J6	JSMD
27	3	J2,J4,J7	JSMDC
28	2	Q1,Q6	BC547
29	4	Q3,Q4,Q5P,Q7	BC557
30	2	RV4,RV1	1K
31	2	RV2,RV3	20K
32	1	RV5	5K
33	2	RV8,RV6	50K
34	1	RV7	10K
35	2	R1,R5	1K8
36	45	R6,R7,R19,R26,R31,R32, R33,R34,R37,R38,R39,R40, R51,R52,R53,R61,R62,R63, R64,R66,R71,R72,R73,R75, R77,R82,R83,R84,R85,R86, R87,R88,R91,R92,R93,R94, R97,R99,R105,R107,R108, R113,R125,R126,R129	10K0
37	3	R8,R106,R114	1K0
38	4	R9,R12,R13,R16	14K7
39	17	R10,R11,R14,R15,R17,R21, R24,R28,R41,R42,R48,R50, R59,R60,R65,R74,R90	4K99
40	3	R18,R25,R58	14K0
41	2	R27,R20	7K15
42	2	R29,R22	2K49
43	2	R30,R23	1K78
44	2	R35P,R36	82K5
45	2	R45,R43	22K1
46	2	R46,R44	680H0
47	3	R47,R49,R81	470K0
48	3	R54,R55,R115	8K20
49	3	R56,R57,R116	39K0
50	3	R67,R68,R69	49K9
51	1	R70	124K0
52	3	R76,R95,R96	47K0
53	3	R78,R79,R80	22K0
54	1	R89	4K42
55	3	R98,R100,R112	2K20
56	1	R101	3K30
57	2	R102,R109	100K0
58	1	R103	56K0
59	1	R104	2M20
60	2	R117,R118	604H0
61	4	R119,R120,R122,R123	10H0
62	2	R127,R128	1M0
63	2	SW1,SW5	SWWP4_2
64	1	SW6	SW5940P
65	18	TP1,TP2,TP3,TP4,TP5,TP6, TP7,TP8,TP9,TP10,TP11, TP12,TP13,TP14,TP15,TP16, TP17,TP18	TP
66	7	U1,U2,U3,U5,U6,U10,U13	TL072
67	3	U4,U8,U9	4053
68	2	U11,U7	LM393
69	1	U12	CA3096
70	1	U14	LM358N


Nome Progetto: TEX100
Pagina: 1 di 1
Size: A4
Autore: Ufficio Tecnico
Data: 06/06/03
Codice Progetto: PF1TEX1M02
Nome PC in Rete: \\UT_SRV\PROGETTI
Revisione: 2.0
Nome Parte: MOND/MPX CARD
File/Cartella: MANUALI\TEX100\SLAMP-MPX002\AFM_MPX2.DWG
Autorizzazione:
Codice: SLAMP-MPX002
Scala: /
Materiale: /
Trattamento: /
Profilo: /
JP5
JP1
JP3
JP2
JP4
LPF2
LPF1
U2
U3
U5
U6
U7
U9
U1
U4
U8
SV1
RV1
RV2
RV3
RV4
RV5
JP6
JP7
JP8
JP9
JP10
TP1
TP2
TP3
TP4
TP5
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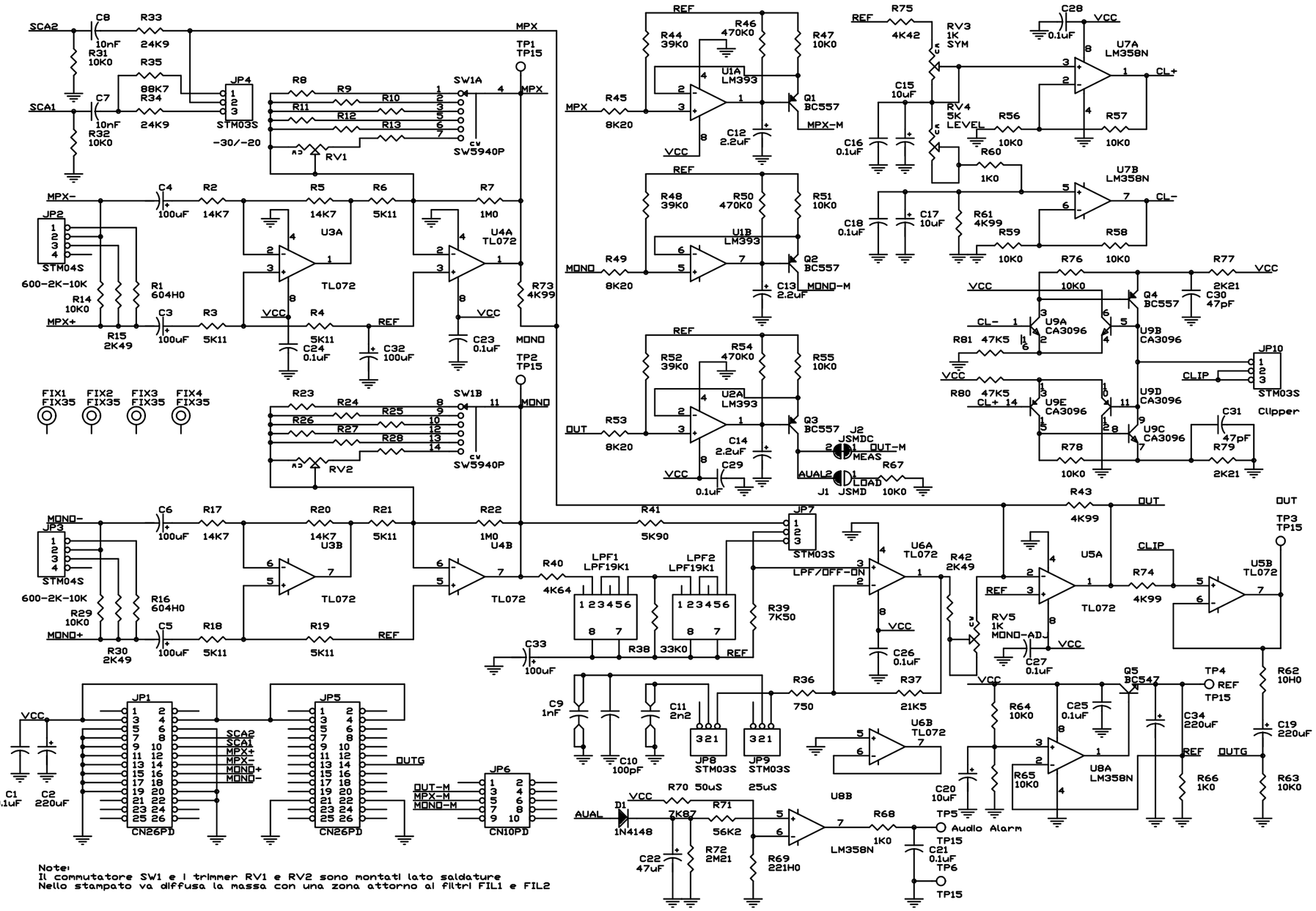
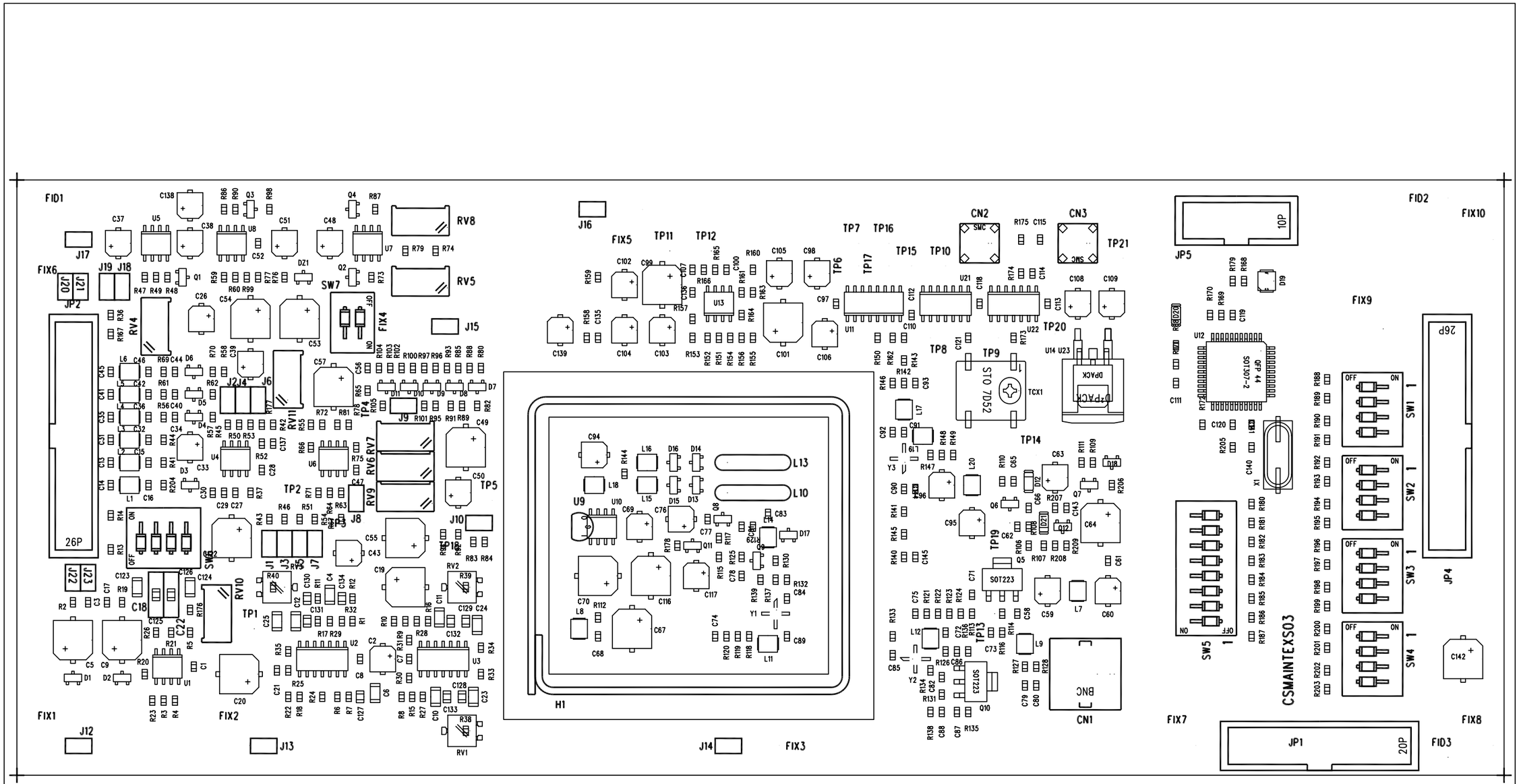
LEVEL
CLIPPER
SYM
MOND-ADJ
LPF/DEFT-EN
AUDIO ALARM
REF
MEAS
MPX
OUT
LOAD



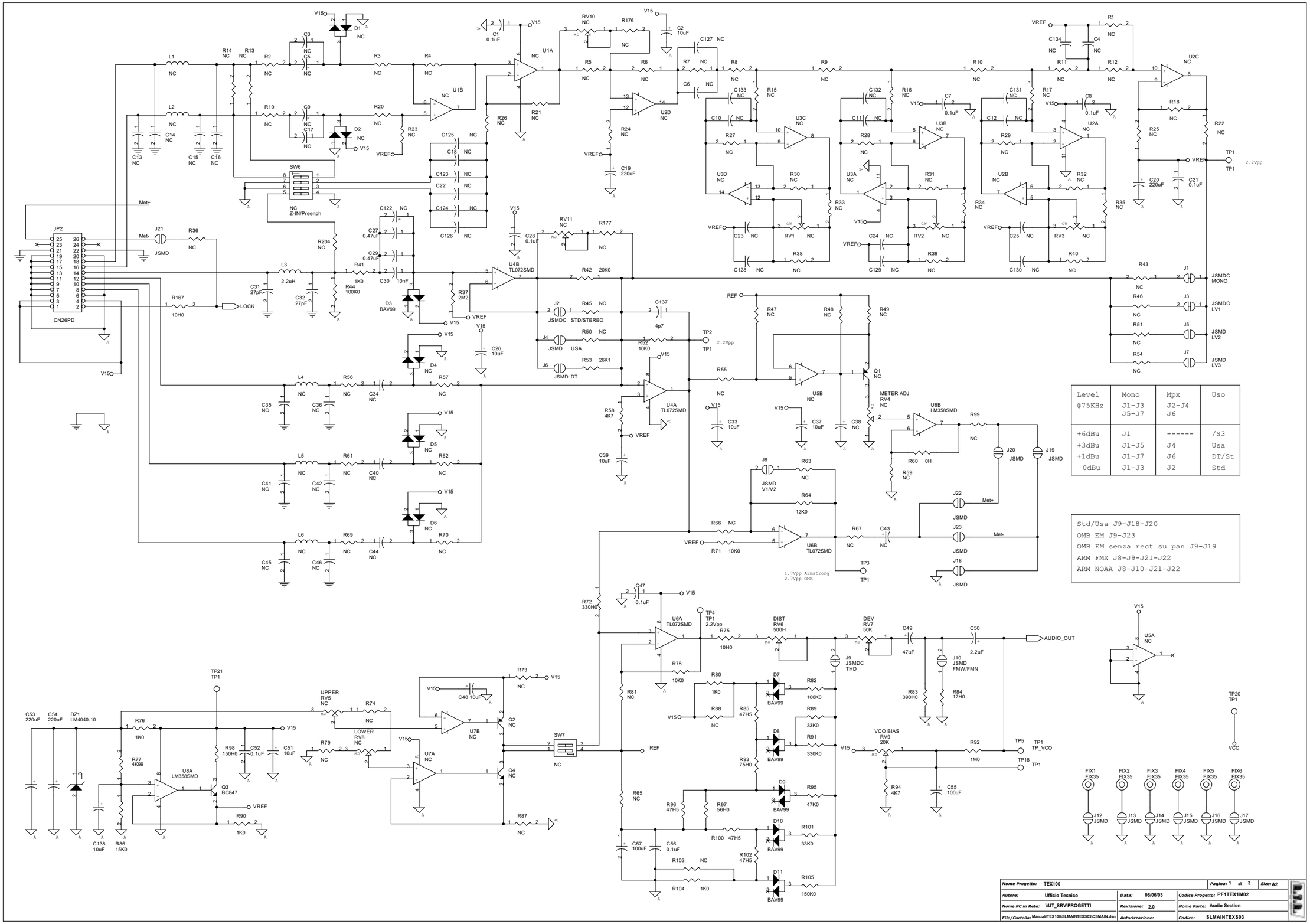
Nome Progetto: TEX100		Pagina: 1 di 1	Size: A4
Autore: Ufficio Tecnico	Data: 06/06/03	Codice Progetto:	PF1TEX1M02
Nome PC in Rete: \\UT_SRV\PROGETTI	Revisione: 2.0	Nome Parte:	SCHEDA MONO/MPX
File/Cartella: Manuali\TEX100\SLAMP-MPX002\MONO2.DSN	Autorizzazione:	Codice:	SLAMP-MPX002
Scala: / Materiale: /	Trattamento: /	Profilo: /	

Mono/MPX Bill Of Materials

Item	Q.ty	Reference	Part
1	11	C1,C16,C18,C21,C23,C24, C25,C26,C27,C28,C29	0.1uF
2	3	C2,C19,C34	220uF
3	6	C3,C4,C5,C6,C32,C33	100uF
4	2	C7,C8	10nF
5	1	C9	1nF
6	1	C10	100pF
7	1	C11	2n2
8	3	C12,C13,C14	2.2uF
9	3	C15,C17,C20	10uF
10	1	C22	47uF
11	2	C30,C31	47pF
12	1	D1	1N4148
13	4	FIX1,FIX2,FIX3,FIX4	FIX35
14	2	JP1,JP5	CN26PD
15	2	JP2,JP3	STM04S
16	5	JP4,JP7,JP8,JP9,JP10	STM03S
17	1	JP6	CN10PD
18	1	J1	JSMD
19	1	J2	JSMDC
20	2	LPF1,LPF2	LPF19K1
21	4	Q1,Q2,Q3,Q4	BC557
22	1	Q5	BC547
23	2	RV1,RV2	20K
24	2	RV3,RV5	1K
25	1	RV4	5K
26	2	R1,R16	604H0
27	6	R2,R5,R8,R17,R20,R23	14K7
28	8	R3,R4,R6,R11,R18,R19,R21, R26	5K11
29	2	R7,R22	1M0
30	19	R9,R14,R24,R29,R31,R32, R47,R51,R55,R56,R57,R58, R59,R63,R64,R65,R67,R76, R78	10K0
31	2	R10,R25	7K15
32	5	R12,R15,R27,R30,R42	2K49
33	2	R13,R28	1K78
34	2	R33,R34	24K9
35	1	R35	88K7
36	1	R36	750
37	1	R37	21K5
38	1	R38	33K0
39	1	R39	7K50
40	1	R40	4K64
41	1	R41	5K90
42	4	R43,R61,R73,R74	4K99
43	3	R44,R48,R52	39K0
44	3	R45,R49,R53	8K20
45	3	R46,R50,R54	470K0
46	3	R60,R66,R68	1K0
47	1	R62	10H0
48	1	R69	221H0
49	1	R70	7K87
50	1	R71	56K2
51	1	R72	2M21
52	1	R75	4K42
53	2	R77,R79	2K21
54	2	R81,R80	47K5
55	1	SW1	SW5940P
56	6	TP1,TP2,TP3,TP4,TP5,TP6	TP15
57	2	U2,U1	LM393
58	4	U3,U4,U5,U6	TL072
59	2	U8,U7	LM358N
60	1	U9	CA3096



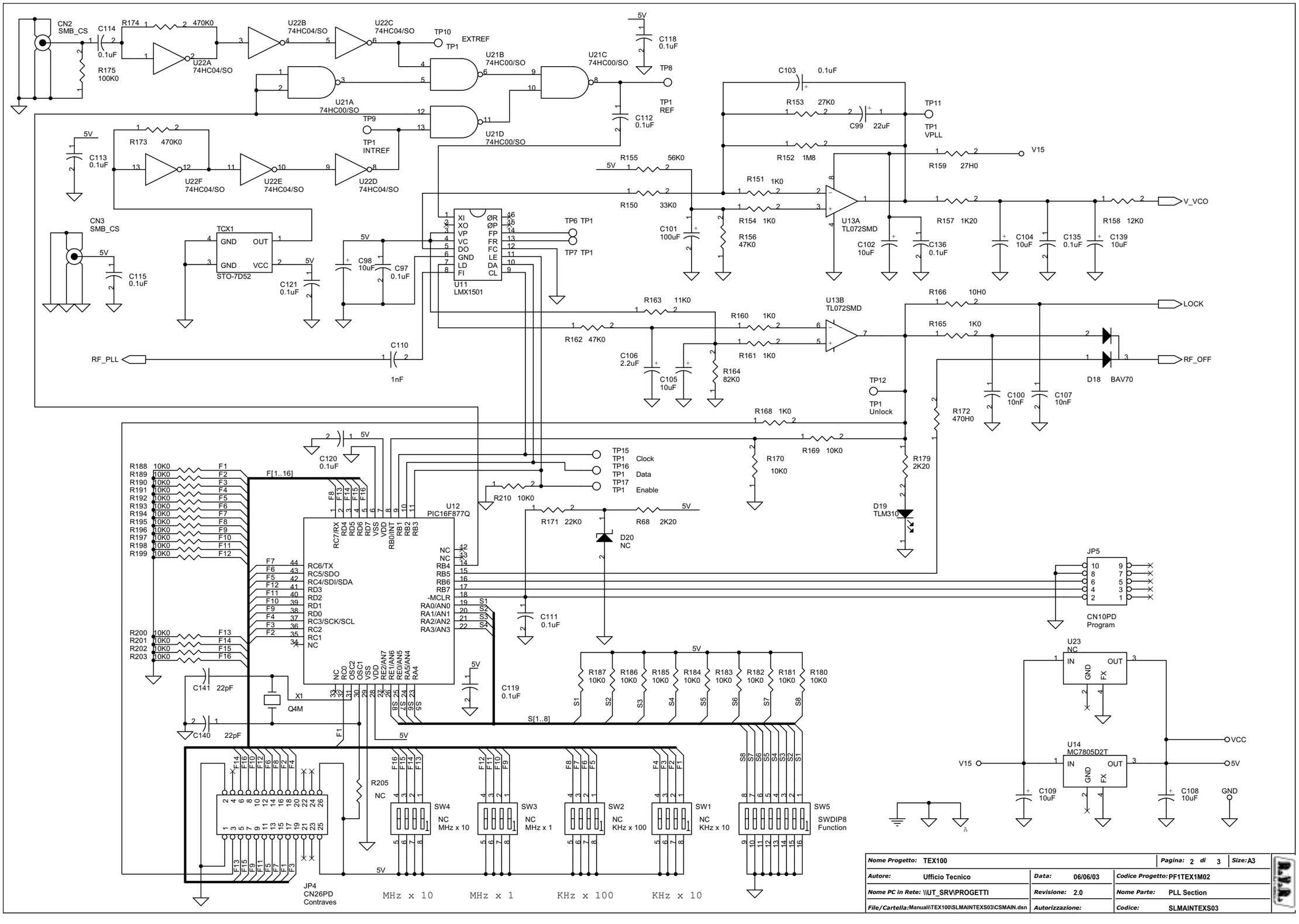
Nome Progetto:	TEX100			Pagina: 1 di 1	Size: A3
Autore:	Ufficio Tecnico	Data:	06/06/03	Codice Progetto:	PF1TEX1M02
Nome PC in Rete:	\\UT_SRV\PROGETTI	Revisione:	2.0	Nome Parte:	MAINBOARD
File/Cartella:	MANUALI\TEX100\SLMAINTEXS03\NEWMAIN.DWG	Autorizzazione:		Codice:	SLMAINTEXS03
Scala: /	Materiale: /	Trattamento:	/	Profilo:	/



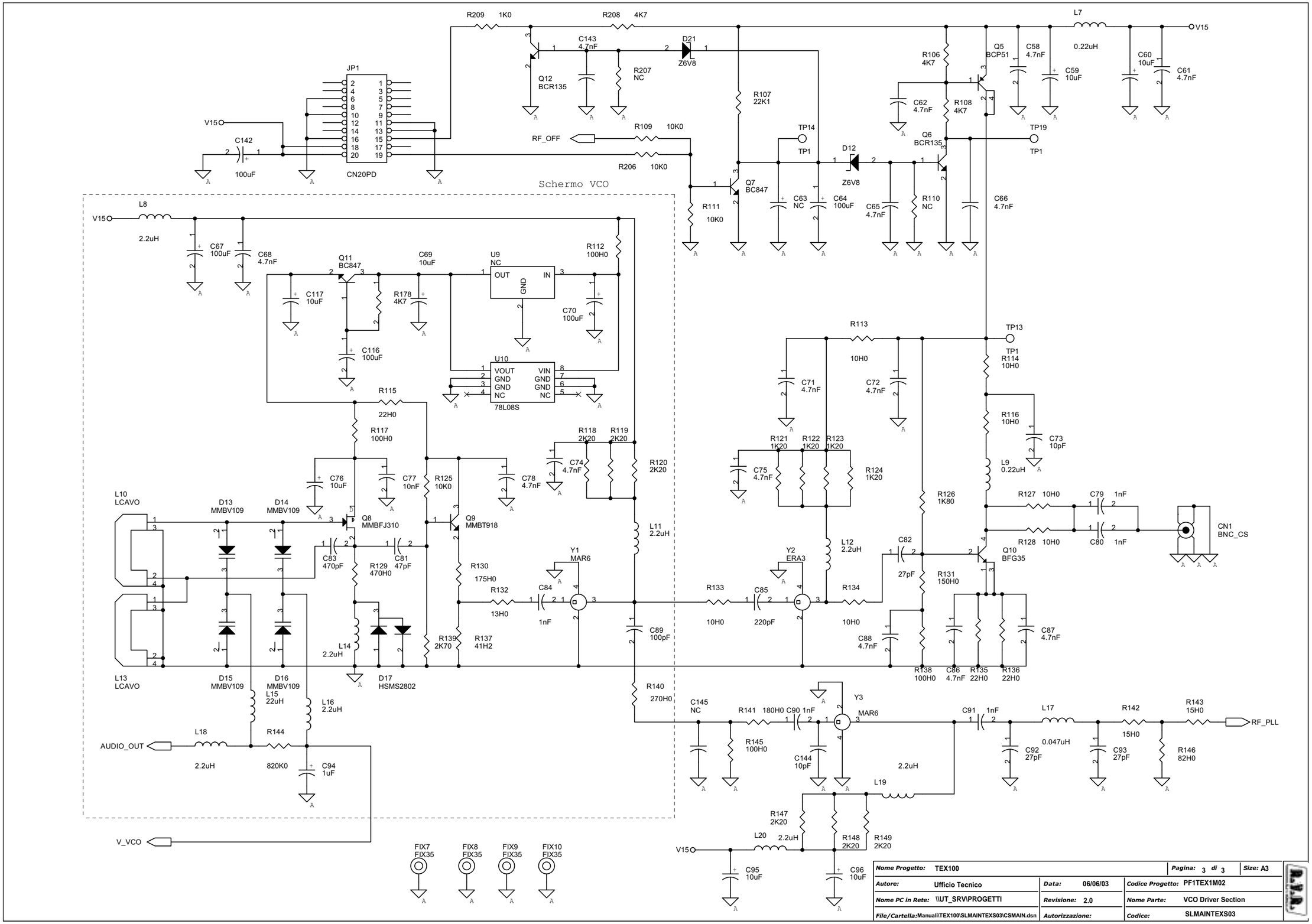
Level @75KHz	Mono J1-J3 J5-J7	Mpx J2-J4 J6	Uso
+6dBu	J1	------	/S3
+3dBu	J1-J5	J4	Usa
+1dBu	J1-J7	J6	DT/St
0dBu	J1-J3	J2	Std

```
Std/Usa J9-J18-J20
OMB EM J9-J23
OMB EM senza rect su pan J9-J19
ARM FMX J8-J9-J21-J22
ARM NOAA J8-J10-J21-J22
```

Nome Progetto: TEX100		Pagina: 1 di 3	Size: A2
Autore: Ufficio Tecnico	Data: 06/06/03	Codice Progetto: PF1TEX1M02	
Nome PC in Rete: \\IUT_SRV\PROGETTI	Revisione: 2.0	Nome Parte: Audio Section	
File/Cartella: Manuali\TEX100\SLMAINTEXS03\CSMAIN.dsn	Autorizzazione:	Codice: SLMAINTEXS03	



Nome Progetto: TEX100		Pagina: 2 di 3	Size: A3
Autore: Ufficio Tecnico	Data: 06/06/03	Codice Progetto: PF1TEX1M02	
Nome PC in Rete: \\UT_SRV\PROGETTI	Revisione: 2.0	Nome Parte: PLL Section	
File/Cartella: Manuali\TEX100\SLMAINTEXS03\CSMAIN.dsn	Autorizzazione:	Codice: SLMAINTEXS03	

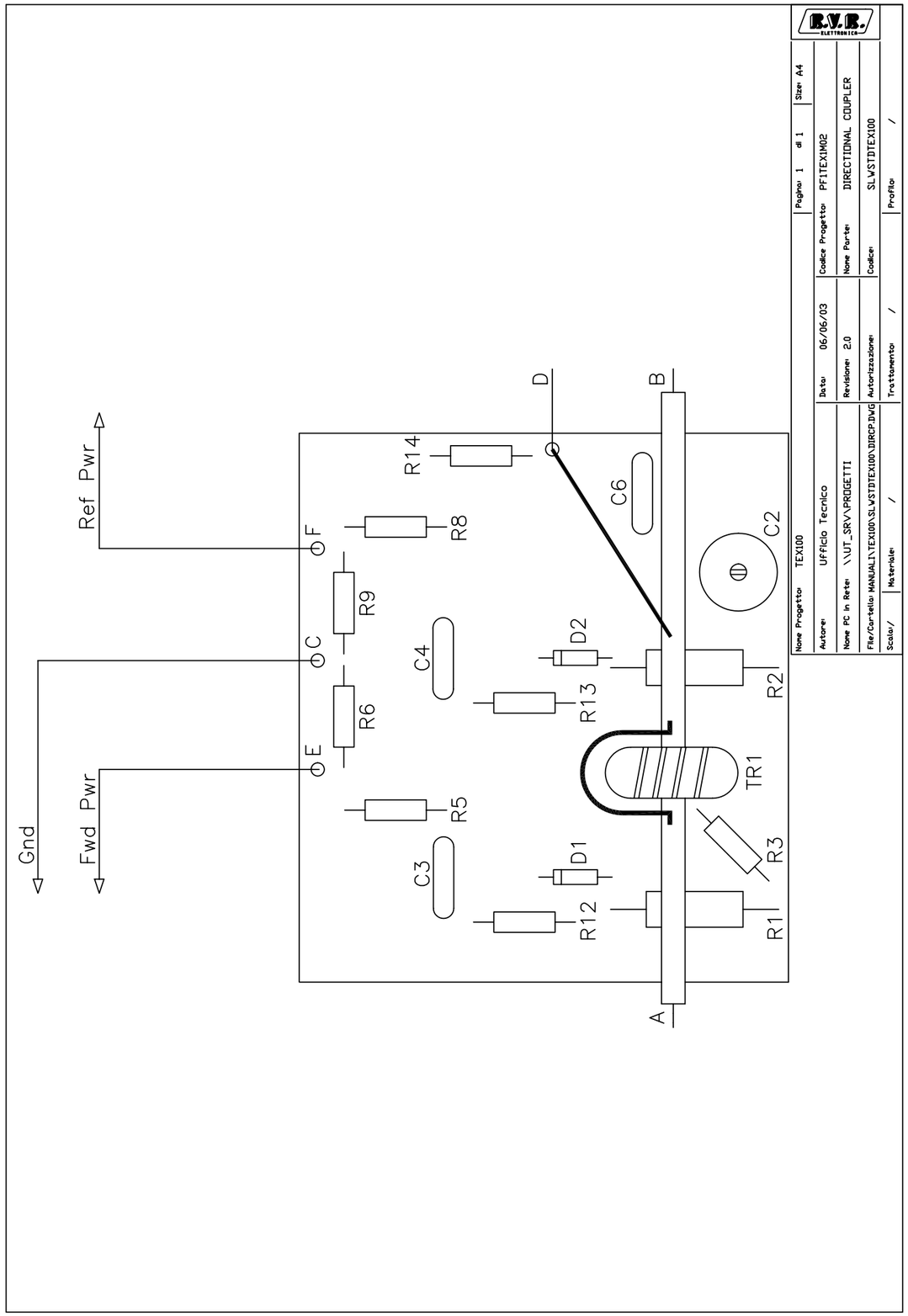


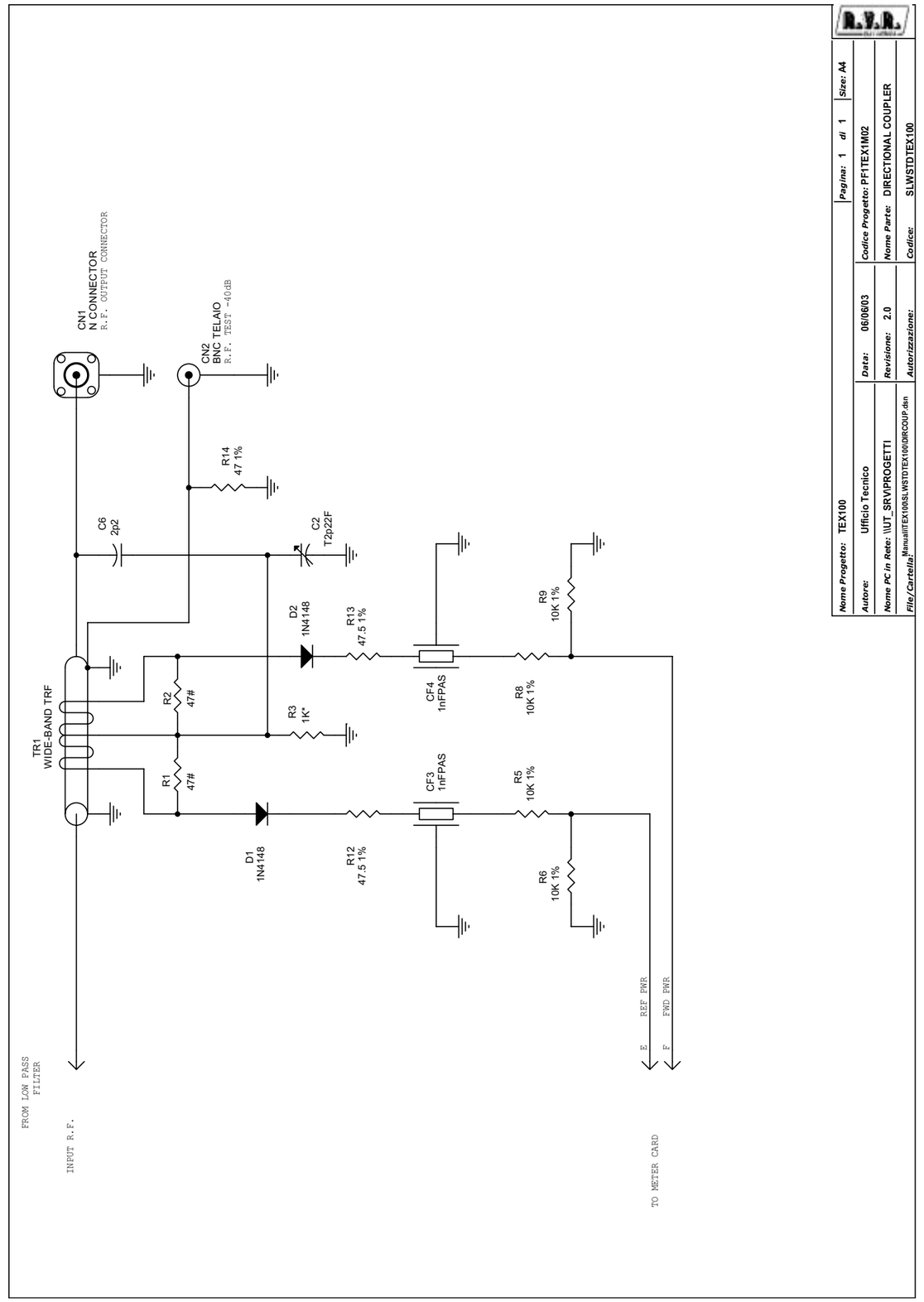
Nome Progetto: TEX100				Pagina: 3 di 3	Size: A3
Autore: Ufficio Tecnico		Data: 06/06/03		Codice Progetto: PF1TEX1M02	
Nome PC in Rete: \\UT_SRV\PROGETTI		Revisione: 2.0		Nome Parte: VCO Driver Section	
File/Cartella: Manuali\TEX100\SLMAINTEXS03\CSMAIN.dsn		Autorizzazione:		Codice: SLMAINTEXS03	

Main Board TEX100 Bill Of Materials

Item	Q.ty	Ref.	Part	Package	Description
1	1	CN1	BNC_CS	BNC_CS	Connettore BNC 10x10 cs
2	2	CN2,CN3	SMB_CS	SMB_CS	Connettore SMB cs
3	20	C1,C7,C8,C21,C28,C47,C52, C56,C97,C111,C112,C113, C114,C115,C118,C119,C120, C121,C135,C136	0.1uF	CC0805/0603	Cond. SMD 0805
4	22	C2,C26,C33,C37,C39,C48, C51,C59,C60,C69,C76,C95, C96,C98,C102,C104,C105, C108,C109,C117,C138,C139	10uF/16V	CES4	Cond. Elett. SMD d. 4mm
5	16	C3,C13,C14,C15,C16,C17, C34,C35,C36,C40,C41,C42, C44,C45,C46,C145	NC	CC0805/0603	Cond. SMD 0805
6	10	C4,C6,C10,C11,C12,C23, C24,C25,C123,C124	NC	CC1206	Cond. SMD 1206 COG
7	3	C5,C9,C122	NC	CES6	Cond. Elett. SMD d. 6.3mm
8	2	C18,C22	NC	CPE05	Cond. Poliestere p 5mm
9	4	C19,C20,C53,C54	220uF/16V	CES6	Cond. Elett. SMD d. 6.3mm
10	2	C27,C29	0.47uF	CC0805/0603	Cond. SMD 0805
11	4	C30,C77,C100,C107	10nF	CC0805/0603	Cond. SMD 0805
12	5	C31,C32,C82,C92,C93	27pF	CC0805/0603	Cond. SMD 0805
13	3	C38,C43,C63	NC	CES4	Cond. Elett. SMD d. 4mm
14	1	C49	47uF/35V	CES6	Cond. Elett. SMD d. 6.3mm
15	2	C106,C50	2.2uF/50V	CES4	Cond. Elett. SMD d. 4mm
16	8	C55,C57,C64,C67,C70,C101, C116,C142	100uF/35V	CES6	Cond. Elett. SMD d. 6.3mm
17	15	C58,C61,C62,C65,C66,C68, C71,C72,C74,C75,C78,C86, C87,C88,C143	4.7nF	CC0805/0603	Cond. SMD 0805
18	2	C73,C144	10pF	CC0805/0603	Cond. SMD 0805
19	6	C79,C80,C84,C90,C91,C110	1nF	CC0805/0603	Cond. SMD 0805
20	1	C81	47pF	CC0805/0603	Cond. SMD 0805
21	1	C83	470pF	CC0805/0603	Cond. SMD 0805
22	1	C85	220pF	CC0805/0603	Cond. SMD 0805
23	1	C89	100pF	CC0805/0603	Cond. SMD 0805
24	1	C94	1uF/50V	CES4	Cond. Elett. SMD d. 4mm
25	1	C99	22uF/35V	CES6	Cond. Elett. SMD d. 6.3mm
26	1	C103	0.1uF/50V	CES4	Cond. Elett. SMD d. 4mm
27	10	C125,C126,C127,C128,C129, C130,C131,C132,C133,C134	NC	CC0805/0603	Cond. SMD 0805 COG
28	1	C137	4p7	CC0805/0603	Cond. SMD 0805
29	2	C141,C140	22pF	CC0805/0603	Cond. SMD 0805
30	1	DZ1	LM4040-10	SOT23	Diodi Zener SMD SOT23
31	5	D1,D2,D4,D5,D6	NC	SOT23	Doppio Diodo SMD SOT23
32	6	D3,D7,D8,D9,D10,D11	BAV99	SOT23	Doppio Diodo SMD SOT23
33	2	D21,D12	Z6V8	MINIMELF	MINIMELF SMD Zener Diode
34	4	D13,D14,D15,D16	MMBV109	SOT23	Diodo Varicap SMD SOT23
35	1	D17	HSMS2802	SOT23	Doppio Diodo SMD SOT23
36	1	D18	BAV70	SOT23	Doppio Diodo SMD SOT23
37	1	D19	TLM310	PLCC2	LED SMD PLCC2
38	1	D20	NC	MINIMELF	MINIMELF SMD Zener Diode
39	10	FIX1,FIX2,FIX3,FIX4,FIX5, FIX6,FIX7,FIX8,FIX9, FIX10	FIX35	FIX35	Foro fissaggio
40	1	JP1	CN20PD	CN20PD	Connettore 20 poli Flat cs
41	2	JP4,JP2	CN26PD	CN26PD	Connettore 26 poli Flat cs
42	1	JP5	CN10PD	CN10PD	Connettore 10 poli Flat cs
43	4	J1,J2,J3,J9	JSMDC	JSMDC	Pad SMD a saldare chiuso
44	18	J4,J5,J6,J7,J8,J10,J12, J13,J14,J15,J16,J17,J18, J19,J20,J21,J22,J23	JSMD	JSMD	Pad SMD a saldare
45	5	L1,L2,L4,L5,L6	NC	NL3225	Induttanza SMD 3225
46	9	L3,L8,L11,L12,L14,L16, L18,L19,L20	2.2uH	NL3225	Induttanza SMD 3225
47	2	L7,L9	0.22uH	NL3225	Induttanza SMD 3225
48	2	L13,L10	LCAVO	LCAVO	Induttanza a cavo RG
49	1	L15	22uH	NL3225	Induttanza SMD 3225
50	1	L17	0.047uH	NL3225	Induttanza SMD 3225
51	2	Q2,Q1	NC	SOT23	Trans. PNP SOT23
52	5	Q3,Q6,Q7,Q11,Q12	BC847	SOT23	Trans. NPN SOT23
53	1	Q4	NC	SOT23	Trans. NPN SOT23
54	1	Q5	BCP51	SOT223	Trans. PNP SOT223
55	1	Q8	MMBFJ310	SOT23	Trans. FET SOT23
56	1	Q9	MMBT918	SOT23	Trans. NPN SOT23
57	1	Q10	BFG35	SOT223	Trans. NPN SOT223
58	3	RV1,RV2,RV3	NC	RVSMD	Trimmer SMD
59	5	RV4,RV5,RV8,RV10,RV11	NC	3296W	Trimmer Rg V 3296W
60	1	RV6	500H	3296W	Trimmer Rg V 3296W
61	1	RV7	50K	3296W	Trimmer Rg V 3296W
62	1	RV9	20K	3296W	Trimmer Rg V 3296W
63	73	R1,R2,R3,R4,R5,R6,R7,R8, R9,R10,R11,R12,R13,R14, R15,R16,R17,R18,R19,R20, R21,R22,R23,R24,R25,R26, R27,R28,R29,R30,R31,R32, R33,R34,R35,R36,R38,R39, R40,R43,R45,R46,R47,R48, R49,R50,R51,R53,R54,R55, R56,R57,R59,R61,R62,R63, R65,R66,R67,R69,R70,R73, R74,R79,R81,R87,R88,R99, R103,R176,R177,R204,R205	NC	RS0805/0603	Res. SMD 0805
64	1	R37	2M2	RS0805/0603	Res. SMD 0805
65	10	R41,R76,R80,R90,R104, R151,R154,R165,R168,R209	1K0	RS0805/0603	Res. SMD 0805
66	1	R42	20K0	RS0805/0603	Res. SMD 0805
67	2	R44,R82	100K0	RS0805/0603	Res. SMD 0805
68	9	R52,R71,R78,R109,R111, R125,R169,R206,R210	10K0	RS0805/0603	Res. SMD 0805
69	2	R178,R58	4K7	RS0805/0603	Res. SMD 0805
70	1	R60	0H	RS0805/0603	Res. SMD 0805
71	1	R64	12K0	RS0805/0603	Res. SMD 0805
72	2	R179,R68	2K2	RS0805/0603	Res. SMD 0805
73	1	R72	330H0	RS0805/0603	Res. SMD 0805
74	10	R75,R113,R114,R116,R127, R128,R133,R134,R166,R167	10H0	RS0805/0603	Res. SMD 0805
75	1	R77	4K99	RS0805/0603	Res. SMD 0805
76	1	R83	390H0	RS0805/0603	Res. SMD 0805
77	1	R84	12H0	RS0805/0603	Res. SMD 0805
78	4	R85,R96,R100,R102	47H5	RS0805/0603	Res. SMD 0805
79	1	R86	15K0	RS0805/0603	Res. SMD 0805
80	3	R89,R101,R150	33K0	RS0805/0603	Res. SMD 0805
81	1	R91	330K0	RS0805/0603	Res. SMD 0805
82	1	R92	1M0	RS0805/0603	Res. SMD 0805
83	1	R93	75H0	RS0805/0603	Res. SMD 0805
84	4	R94,R106,R108,R208	4K75	RS0805/0603	Res. SMD 0805
85	3	R95,R156,R162	47K5	RS0805/0603	Res. SMD 0805
86	1	R97	56H0	RS0805/0603	Res. SMD 0805
87	1	R98	150H0	RS0805/0603	Res. SMD 0805
88	1	R105	150K0	RS0805/0603	Res. SMD 0805
89	1	R107	22K1	RS0805/0603	Res. SMD 0805
90	2	R110,R207	22K0	RS0805/0603	Res. SMD 0805
91	2	R112,R117	100H0	RS0805/0603	Res. SMD 0805
92	3	R115,R135,R136	22H0	RS0805/0603	Res. SMD 0805
93	6	R118,R119,R120,R147,R148, R149	2K20	RS0805/0603	Res. SMD 0805
94	5	R121,R122,R123,R124,R126	1K20	RS0805/0603	Res. SMD 0805
95	1	R129	475H0	RS0805/0603	Res. SMD 0805
96	1	R130	175H0	RS0805/0603	Res. SMD 0805
97	1	R131	150H0	RS0805/0603	Res. SMD 0805
98	1	R132	13H0	RS0805/0603	Res. SMD 0805
99	1	R137	41H2	RS0805/0603	Res. SMD 0805
100	1	R138	100H0	RS0805/0603	Res. SMD 0805
101	1	R139	2K70	RS0805/0603	Res. SMD 0805
102	1	R140	270H	RS0805/0603	Res. SMD 0805
103	1	R141	180H0	RS0805/0603	Res. SMD 0805
104	2	R142,R143	15H0	RS0805/0603	Res. SMD 0805
105	1	R144	820K0	RS0805/0603	Res. SMD 0805
106	1	R145	47H0	RS0805/0603	Res. SMD 0805
107	1	R146	82H0	RS0805/0603	Res. SMD 0805
108	1	R152	1M8	RS0805/0603	Res. SMD 0805
109	1	R153	27K0	RS0805/0603	Res. SMD 0805
110	1	R155	56K	RS0805/0603	Res. SMD 0805
111	1	R157	1K21	RS0805/0603	Res. SMD 0805

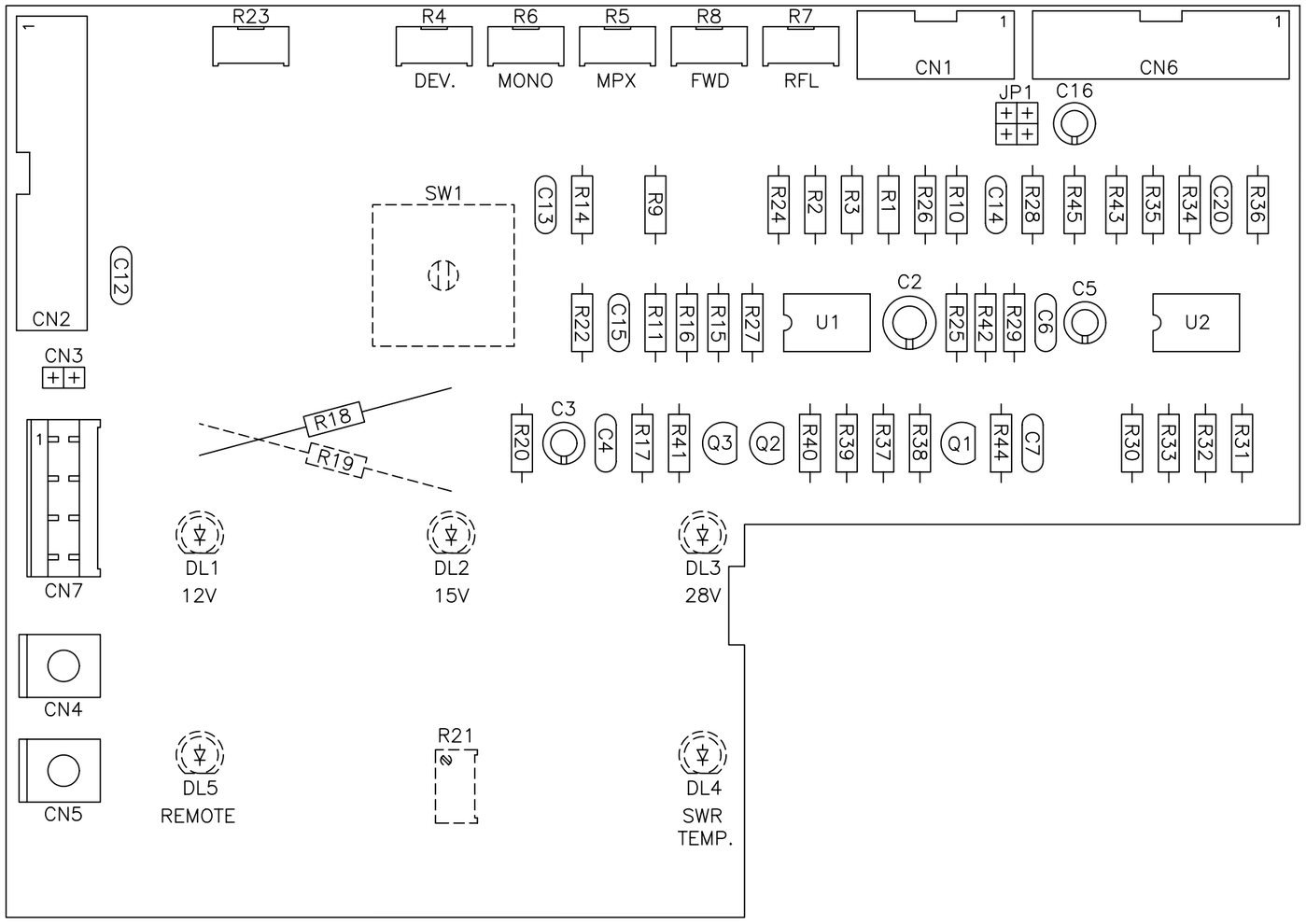
112	1	R158	12K	RS0805/0603	Res. SMD 0805
113	1	R159	27H0	RS0805/0603	Res. SMD 0805
114	2	R161,R160	1K	RS0805/0603	Res. SMD 0805
115	1	R163	11K0	RS0805/0603	Res. SMD 0805
116	1	R164	82K	RS0805/0603	Res. SMD 0805
117	1	R170	5K6	RS0805/0603	Res. SMD 0805
118	1	R171	22K0	RS0805/0603	Res. SMD 0805
119	1	R172	470H0	RS0805/0603	Res. SMD 0805
120	1	R173	470K0	RS0805/0603	Res. SMD 0805
121	1	R174	470K	RS0805/0603	Res. SMD 0805
122	1	R175	100K	RS0805/0603	Res. SMD 0805
123	24	R180,R181,R182,R183,R184, R185,R186,R187,R188,R189, R190,R191,R192,R193,R194, R195,R196,R197,R198,R199, R200,R201,R202,R203	10K	RS0805/0603	Res. SMD 0805
124	5	SW1,SW2,SW3,SW4,SW6	NC	SWDIP4	Dip switch 4 vie
125	1	SW5	SWDIP8	SWDIP8	Dip switch 8 vie
126	1	SW7	NC	SWDIP2	Dip switch 2 vie
127	1	TCX1	STO-7D52 - 10	MHz TCXOS	TCXO SMD 1ppm
128	21	TP1,TP2,TP3,TP4,TP5,TP6, TP7,TP8,TP9,TP10,TP11, TP12,TP13,TP14,TP15,TP16, TP17,TP18,TP19,TP20,TP21	NC	TP1	Test point
129	2	U7,U1	NC	SO8	Dual Op. SMD SO8
131	2	U2,U3	NC	SO14	Quad Op. SMD SO14
132	3	U4,U6,U13	TL072SMD	SO8	Dual Op. SMD SO8
133	1	U5	NC	SO8	Dual Comp. SMD SO8
134	1	U8	LM358SMD	SO8	Dual Op. SMD SO8
135	1	U9	NC	TO92	Stabilizzatore TO92
136	1	U10	78L08S	SO8	Stabilizzatroe SMD SO8
137	1	U11	LMX1501	SO16	Integrated PLL
138	1	U12	PIC16F877Q	QFP44	QFP44 SMD Microprocessor
139	1	U14	MC7805D2T	D2PAK	Stabilizzatore SMD D2PAK
140	1	U21	74HC00/SO	SO14	Quad NAND SMD SO14
141	1	U22	74HC04/SO	SO14	Hex Inv. SMD SO14


Ref Pwr
Fwd Pwr
Gnd
A
B
C
D
E
F
R14
R8
R9
C6
C4
D2
R13
R6
C2
R2
TR1
R5
R3
C3
D1
R12
R1
Nome Progetto: TEX100
Autore: Ufficio Tecnico
Nome PC in Rete: \\UT_SRV\PROGETTI
File/Cartella: MANUALI\TEX100\SLW\STDTEX100\DIRCP.DWG
Scala: /
Materiale: /
Pagina: 1 di 1
Size: A4
Data: 06/06/03
Revisione: 2.0
Autorizzazione:
Trattamento: /
Codice Progetto: PF1TEX1M02
Nome Parte: DIRECTIONAL COUPLER
Codice: SLW\STDTEX100
Profilo: /

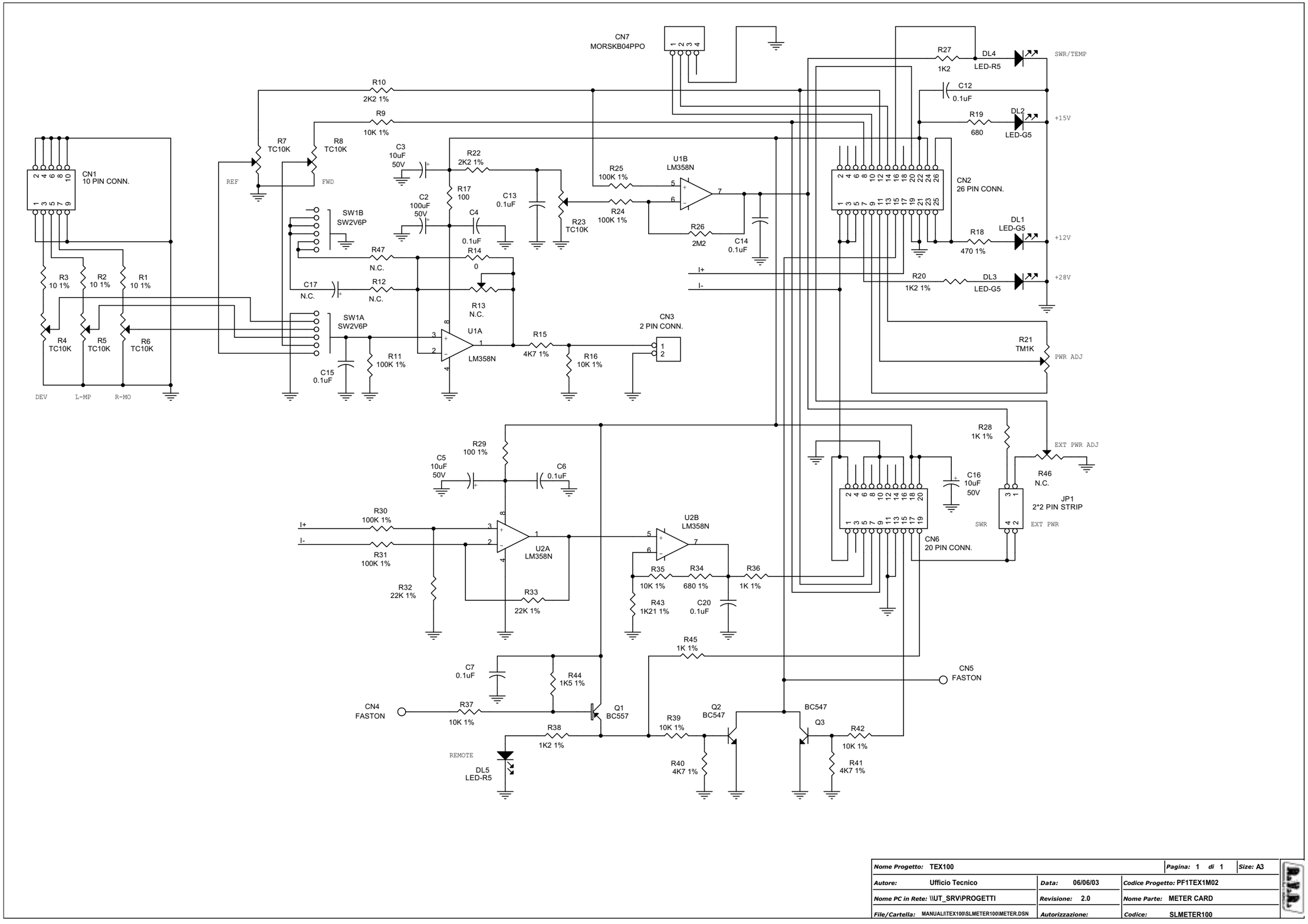

CN1
N CONNECTOR
R.F. OUTPUT CONNECTOR
CN2
BNC TELAIO
R.F. TEST -40dB
R14
47 1%
C6
2p2
C2
T2p22F
D2
1N4148
R13
47.5 1%
CF4
1nFPAS
R9
10K 1%
R8
10K 1%
TR1
WIDE-BAND TRF
R2
47#
R3
1K*
R1
47#
CF3
1nFPAS
R5
10K 1%
D1
1N4148
R12
47.5 1%
R6
10K 1%
FROM LOW PASS
FILTER
INPUT R.F.
E REF PWR
F FWD PWR
TO METER CARD
Nome Progetto: TEX100
Autore: Ufficio Tecnico
Nome PC in Rete: \UT_SRV\PROGETTI
File/Cartella: Manuali\TEX100\SLW\STDTEX100\DIRCOUP.dsn
Pagina: 1 di 1
Size: A4
Data: 06/06/03
Revisione: 2.0
Autorizzazione:
Codice Progetto: PF1TEX1M02
Nome Parte: DIRECTIONAL COUPLER
Codice: SLW\STDTEX100

Directional Coupler Bill Of Materials

Item	Quantity	Reference	Part	DESCRIPTION	PART CODE
1	1	R14	47 1%	RESISTOR 1/4W 1%	
2	2	R1,R2	47#	RESISTOR 2W	
3	2	R12,R13	47.5 1%	RESISTOR 1/4W 1%	
4	1	R3	1K*	RESISTOR 1/2W 5%	
5	4	R5,R6,R8,R9	10K 1%	RESISTOR 1/4W 1%	
6	1	C6	2P2	CERAMIC CAPACITOR NP0	
7	1	C2	T2P22F	TRIMMER CAPACITOR	
8	2	C3,C4	1NFPAS	CERAMIC THROUGH CAPACITOR	
9	1	CN2	BNC TELAIO	CONN. BNC A TELAIO	
10	1	CN1	N CONNECTOR	CONN. N A TELAIO	
11	2	D1,D2	1N4148	SILICON DIODE	
12	1	TR1	WIDE-BAND TRF	WIDE-BAND TRANSFORMER	



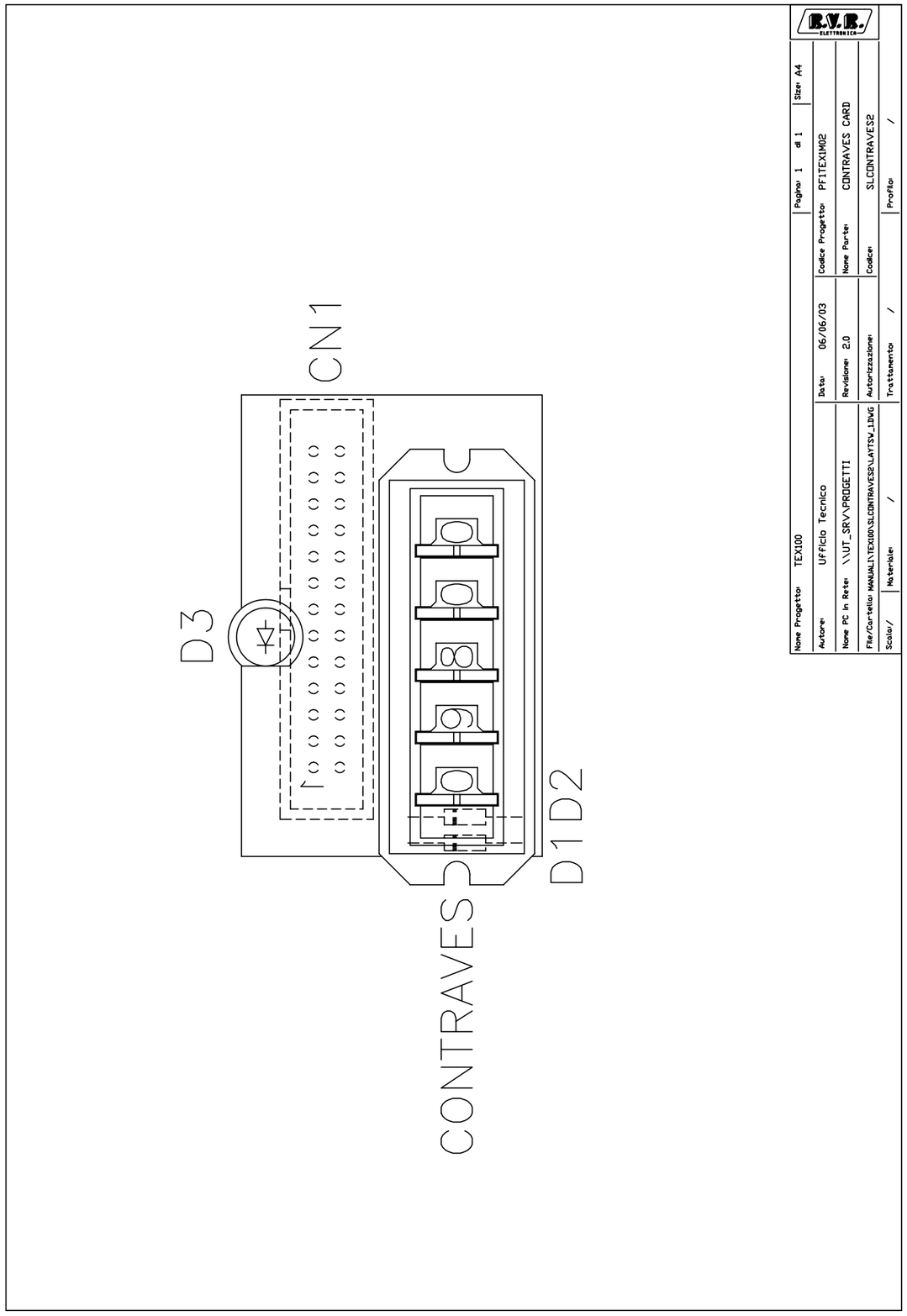
Nome Progetto:	TEX100					Pagina: 1 di 1	Size: A3
Autore:	Ufficio Tecnico		Data: 06/06/03		Codice Progetto:	PF1TEX1M02	
Nome PC in Rete:	\\UT_SRV\PROGETTI		Revisione: 2.0		Nome Parte:	METER CARD	
File/Cartella:	MANUALI\TEX100\SLMETER100\LAYMET.DWG		Autorizzazione:		Codice:	SLMETER100	
Scala: /	Materiale: /		Trattamento: /		Profilo: /		

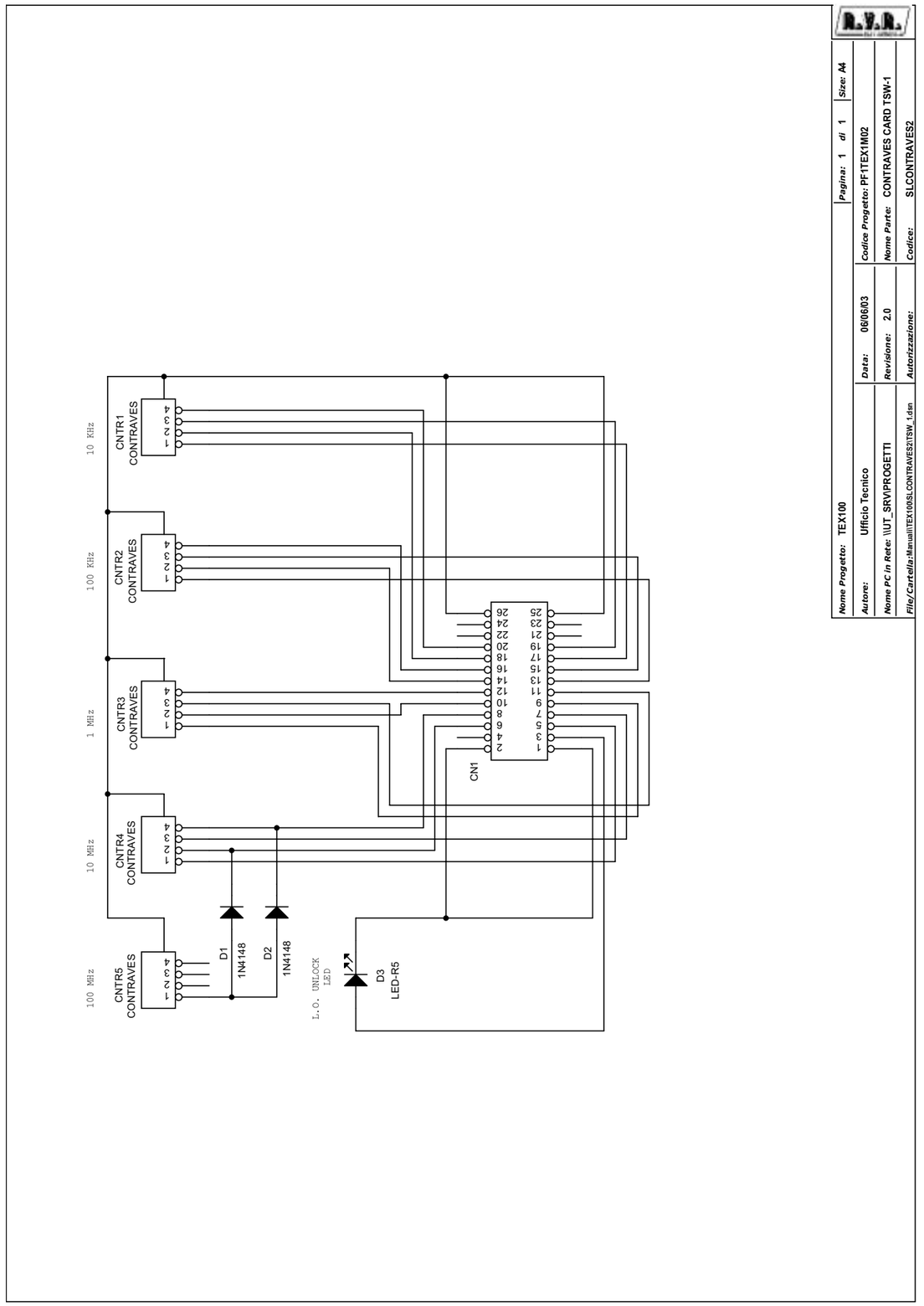


Nome Progetto: TEX100		**Pagina:** 1 di 1	**Size:** A3
Autore: Ufficio Tecnico	**Data:** 06/06/03	**Codice Progetto:** PF1TEX1M02	
Nome PC in Rete: \\UT_SRV\PROGETTI	**Revisione:** 2.0	**Nome Parte:** METER CARD	
File/Cartella: MANUALI\TEX100\SLMETER100\METER.DSN	**Autorizzazione:**	**Codice:** SLMETER100	

METER CARD Bill Of Materials

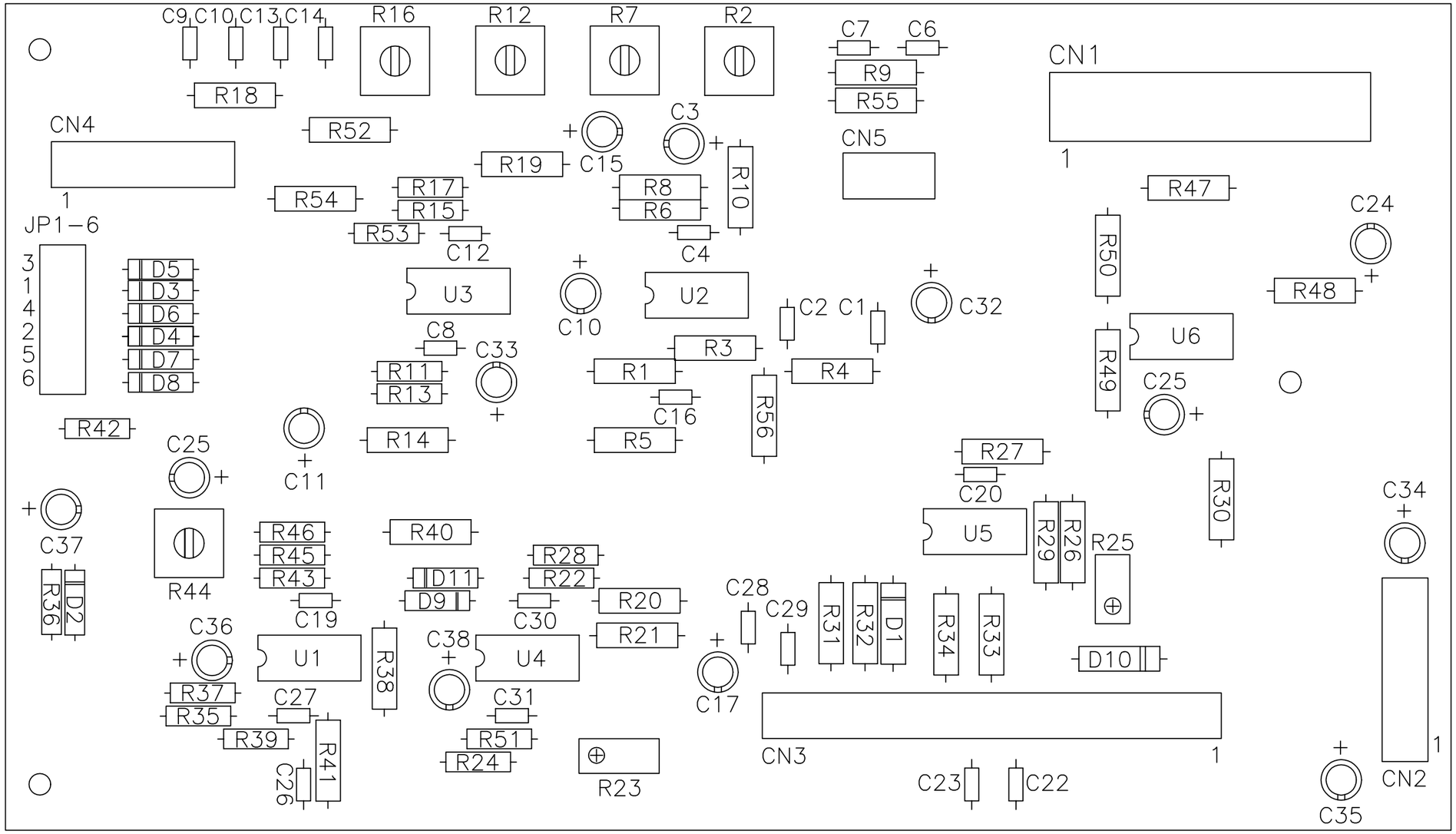
Item	Quantity	Reference	Part	DESCRIPTION	PART ORDER CDE
1	1	R14	0	0 OHM RESISTOR	
2	3	R1,R2,R3	10 1%	RESISTOR 1/4W 1%	
3	1	R29	100 1%	RESISTOR 1/4W 1%	
4	1	R17	100	RESISTOR 1/4W 5%	
5	1	R18	470 1%	RESISTOR 1/4W 1%	
6	1	R34	680 1%	RESISTOR 1/4W 1%	
7	1	R19	680	RESISTOR 1/4W 5%	
8	3	R28,R36,R45	1K 1%	RESISTOR 1/4W 1%	
9	2	R20,R38	1K2 1%	RESISTOR 1/4W 1%	
10	1	R27	1K2	RESISTOR 1/4W 5%	
11	1	R43	1K21 1%	RESISTOR 1/4W 1%	
12	2	R10,R22	2K2 1%	RESISTOR 1/4W 1%	
13	3	R15,R40,R41	4K7 1%	RESISTOR 1/4W 1%	
14	6	R9,R16,R35,R37,R39,R42	10K 1%	RESISTOR 1/4W 1%	
15	2	R32,R33	22K 1%	RESISTOR 1/4W 1%	
16	5	R11,R24,R25,R30,R31	100K 1%	RESISTOR 1/4W 1%	
17	1	R26	2M2	RESISTOR 1/4W 5%	
18	6	R4,R5,R6,R7,R8,R23	TC10K	TRIMMER REG. VERT. CERMET	
19	1	R21	TM1K	TRIMM. MULTIGIRI REG. VERT.	
20	8	C4,C6,C7,C12,C13,C14, C15,C20	0.1UF	CERAMIC CAPACITOR	
21	3	C3,C5,C16	10UF	ELECTROLYTIC CAPACITOR	
22	1	C2	100UF	ELECTROLYTIC CAPACITOR	
23	1	JP1	2*2 PIN STRIP	STRIP M P 2.54 2*2 PIN	
24	2	CN4,CN5	FASTON	CONN. FASTON M CIRC. ST.	
25	1	CN7	MORSKB04PPO	MORS. LUMBERG FEMM. CS 04P	
26	1	CN3	2 PIN CONN.	CONN. M 2*1 P 2.54	
27	1	CN1	10 PIN CONN.	CONN. M 2*5 P 2.54	
28	1	CN6	20 PIN CONN.	CONN. M 2*10 P 2.54	
29	1	CN2	26 PIN CONN.	CONN. M 2*13 P 2.54	
30	1	SW1	SW2V6P	COMMUTATORE 2 VIE 6 POS FEME	
31	2	DL4,DL5	LED-R5	RED LED DIODE	
32	3	DL1,DL2,DL3	LED-G5	GREEN LED DIODE	
33	2	Q2,Q3	BC547	NPN TRANSISTOR	
34	1	Q1	BC557	PNP TRANSISTOR	
35	2	U1,U2	LM358N	DOUBLE OP. AMP.	
36	4	R12,R13,C17,R46,R4	N.C.	NOT CONNECTED	
37	1	R44	1K5 1%	RESISTOR 1/4W 1%	
38	1	R40	4K7 1%	RESISTOR 1/4W 1%	


CN1
D3
D1 D2
CONTRAVES
Nome Progetto: TEX100
Pagina: 1 di 1
Size: A4
Autore: Ufficio Tecnico
Data: 06/06/03
Codice Progetto: PF1TEX1M02
Nome PC in Rete: \\UT_SRV\PROGETTI
Revisione: 2.0
Nome Parte: CONTRAVES CARD
File/Cartella: MANUALI\TEX100\SLCONTRAVES2\LAYTSW_1.DWG
Autorizzazione:
Codice: SLCONTRAVES2
Scala: /
Materiale: /
Trattamento: /
Profilo: /

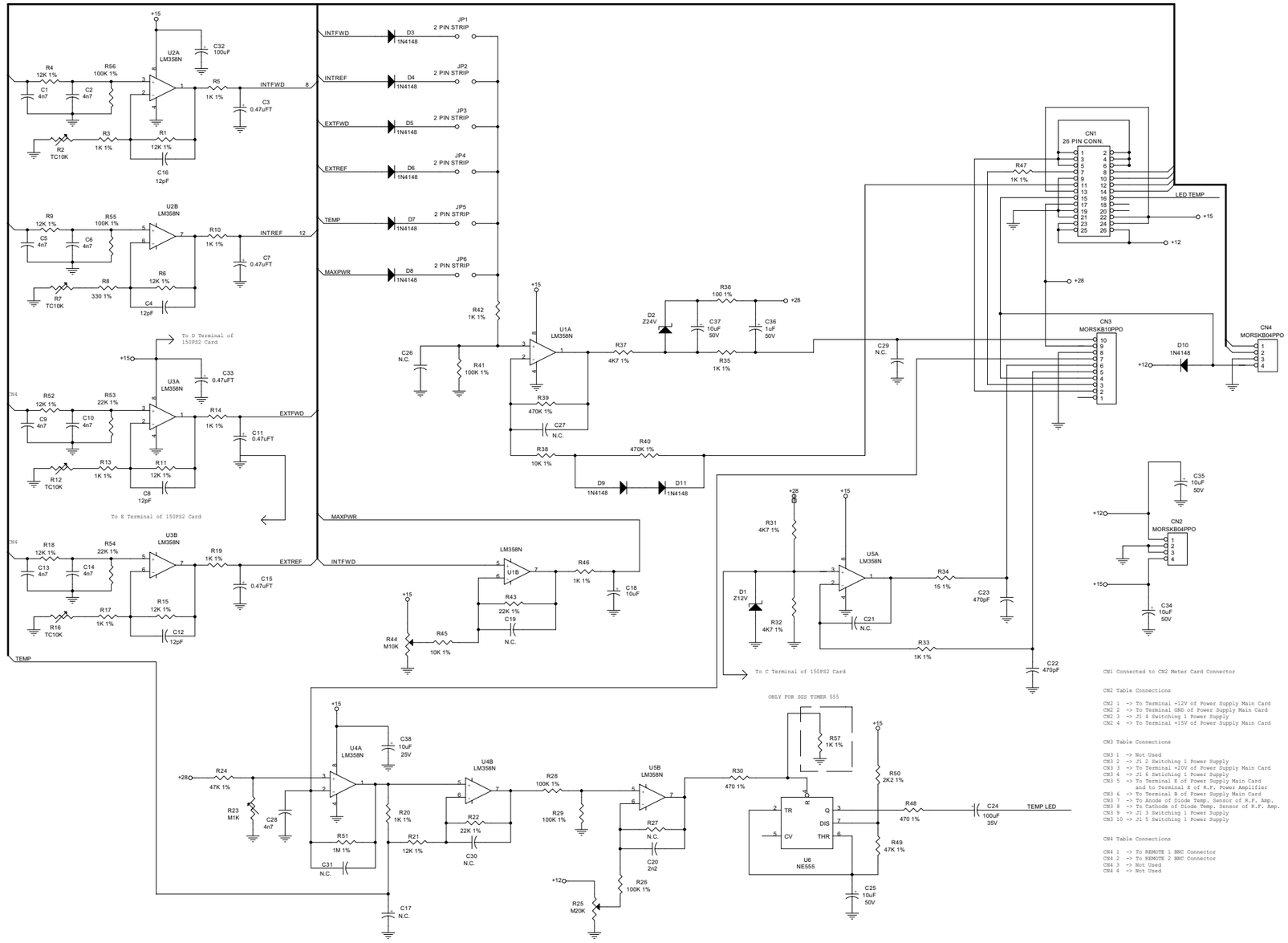

CNTR1 CONTRAVES
CNTR2 CONTRAVES
CNTR3 CONTRAVES
CNTR4 CONTRAVES
CNTR5 CONTRAVES
10 Khz
100 Khz
1 Mhz
10 Mhz
100 Mhz
CN1
D1 1N4148
D2 1N4148
D3 LED-R5
L.O. UNLOCK LED
Nome Progetto: TEX100
Pagina: 1 di 1
Size: A4
Autore: Ufficio Tecnico
Data: 06/06/03
Codice Progetto: PF1TEX1M02
Nome PC in Rete: \\UT_SRV\PROGETTI
Revisione: 2.0
Nome Parte: CONTRAVES CARD TSW-1
File/Cartella: Manuali\TEX100\SLCONTRAVES2\TSW_1.dsn
Autorizzazione:
Codice: SLCONTRAVES2

Contraves Bill Of Materials

Item	Quantity	Reference	Part	DESCRIPTION	PART ORDER CODE
1	1	CN1	26 PIN CONN.	CONN. M 2*13 P 2.54	
2	5	CNTR1,CNTR2,CNTR3, CNTR4,CNTR5	CONTRAVES	COMMUTATORI BCD 15mm	
3	2	D1,D2	1N4148	SILICON DIODE	
4	1	D3	LED-R5	RED LED DIODE	
5	1	U1	27512	65,536 X 8 BIT CMOS EPROM	



Nome Progetto:	TEX100			Pagina: 1 di 1	Size: A3
Autore:	Ufficio Tecnico	Data:	06/06/03	Codice Progetto:	PF1TEX1M02
Nome PC in Rete:	\\UT_SRV\PROGETTI	Revisione:	2.0	Nome Parte:	ALARMS CARD
File/Cartella:	MANUALI\TEX100\SLPROTTEX100\LAYPROT.DWG	Autorizzazione:		Codice:	SLPROTTEX100
Scala: /	Materiale: /	Trattamento:	/	Profilo:	/



Nome Progetto: TEX100		**Pagina:** 1 di 1	**Size:** A3
Autore: Ufficio Tecnico	**Data:** 06/06/03	**Codice Progetto:** PF1TEX1M02	
Nome PC in Rete: \\UT_SRV\PROGETTI	**Revisione:** 2.0	**Nome Parte:** ALARMS CARD	
File/Cartella: MANUALI\TEX100\SLPROTTEX100\PROT.DSN	**Autorizzazione:**	**Codice:** SLPROTTEX100	

Alarms Card Bill Of Materials

Item	Quantity	Reference	Part	DESCRIPTION	PART CODE
1	1	R34	15 1%	RESISTOR 1/4W 1%	
2	1	R36	100 1%	RESISTOR 1/4W 1%	
3	1	R8	330 1%	RESISTOR 1/4W 5%	
4	2	R30,R48	470 1%	RESISTOR 1/4W 1%	
5	14	R3,R5,R10,R13,R14,R17, R19,R20,R33,R35, R42,R46,R47,R57	1K 1%	RESISTOR 1/4W 1%	
6	1	R50	2K2 1%	RESISTOR 1/4W 1%	
7	3	R31,R32,R37	4K7 1%	RESISTOR 1/4W 1%	
8	2	R38,R45	10K 1%	RESISTOR 1/4W 1%	
9	9	R1,R4,R6,R9,R11, R15,R18,R21,R52	12K 1%	RESISTOR 1/4W 1%	
10	4	R22,R43,R53,R54	22K 1%	RESISTOR 1/4W 1%	
11	2	R24,R49	47K 1%	RESISTOR 1/4W 1%	
12	6	R26,R28,R29,R41,R55,R56	100K 1%	RESISTOR 1/4W 1%	
13	2	R39,R40	470K 1%	RESISTOR 1/4W 1%	
14	1	R51	1M 1%	RESISTOR 1/4W 1%	
15	4	R2,R7,R12,R16	TC10K	TRIMMER REG. VERT. CERMET	
16	1	R23	M1K	TRIMMER MULTIGIRI	
17	1	R44	M10K	TRIMMER MULTIGIRI	
18	1	R25	M20K	TRIMMER MULTIGIRI	
19	4	C4,C8,C12,C16	12PF	CERAMIC CAPACITOR NP0	
20	2	C22,C23	470PF	CERAMIC CAPACITOR	
21	1	C20	2N2	CERAMIC CAPACITOR	
22	9	C1,C2,C5,C6,C9,C10,C13, C14,C28	4N7	CERAMIC CAPACITOR	
23	5	C3,C7,C11,C15,C33	0.47UFT	TANTALIUM CAPACITOR	
24	1	C36	1UF	ELECTROLYTIC CAPACITOR	
25	6	C18,C25,C34,C35,C37,C38	10UF	ELECTROLYTIC CAPACITOR	
26	2	C24,C32	100UF	ELECTROLYTIC CAPACITOR	
27	6	JP1,JP2,JP3,JP4,JP5,JP6	2 PIN STRIP	STRIP M P 2.54 2 PIN	
28	1	CN3	MORSKB10PPO	MORS. LUMBERG FEMM. CS 10P	
29	2	CN2,CN4	MORSKB04PPO	MORS. LUMBERG FEMM. CS 04P	
30	1	CN1	26 PIN CONN.	CONN. M 2*13 P 2.54	
31	9	D3,D4,D5,D6,D7,D8,D9,D10, D11	1N4148	SILICON DIODE	
32	1	D1	Z12V	ZENER DIODE 12V 0.4W	
33	1	D2	Z24V	ZENER DIODE 24V 0.4W	
34	5	U1,U2,U3,U4,U5	LM358N	DOUBLE OP. AMP.	
35	1	U6	NE555	TIMER	
36	9	C17,C19,C21,C26,R27,C27, C29,C30,C31	N.C.	NOT CONNECTED	