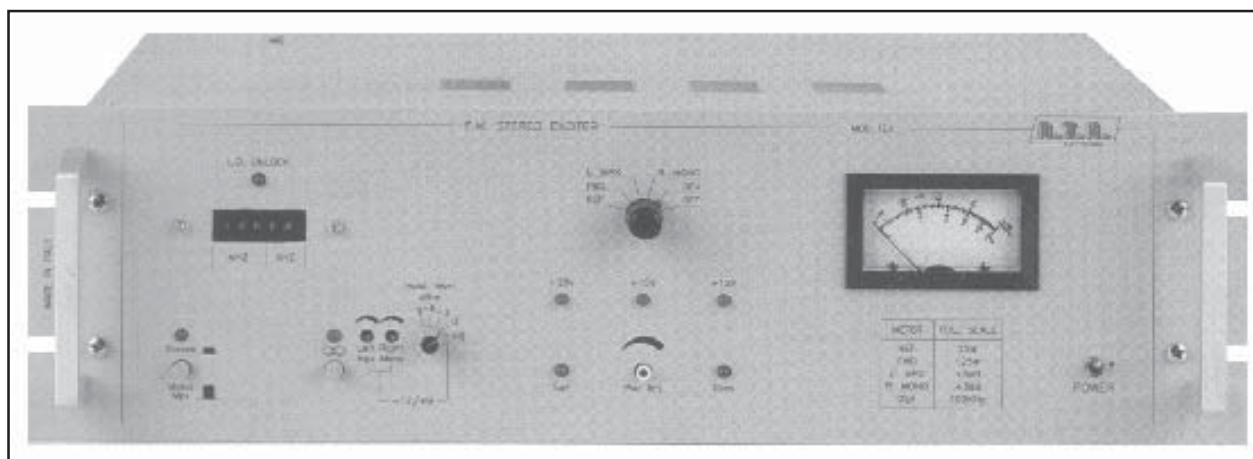

TEX100



User manual

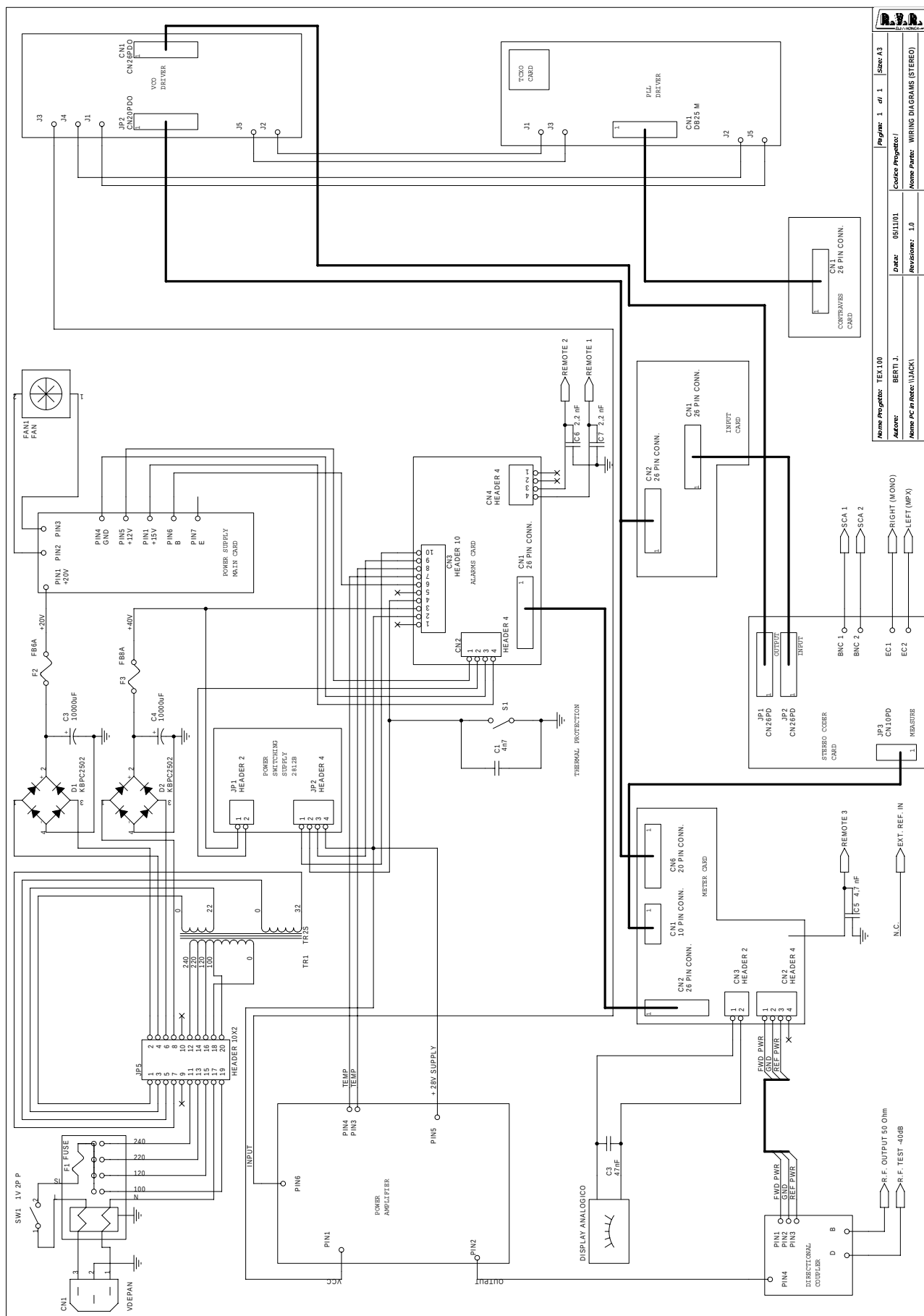
Manufacture by

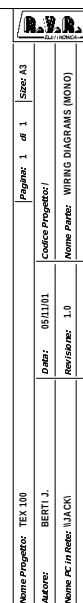


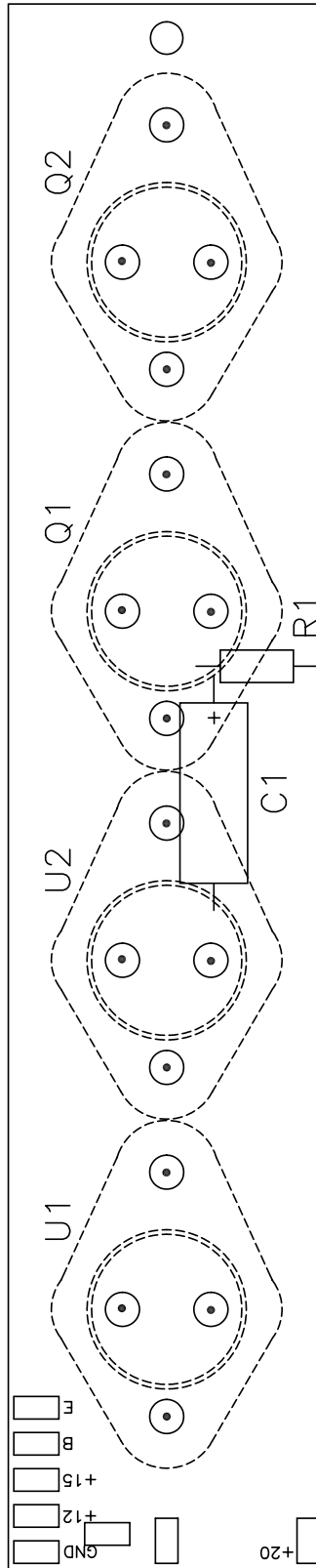
Italy



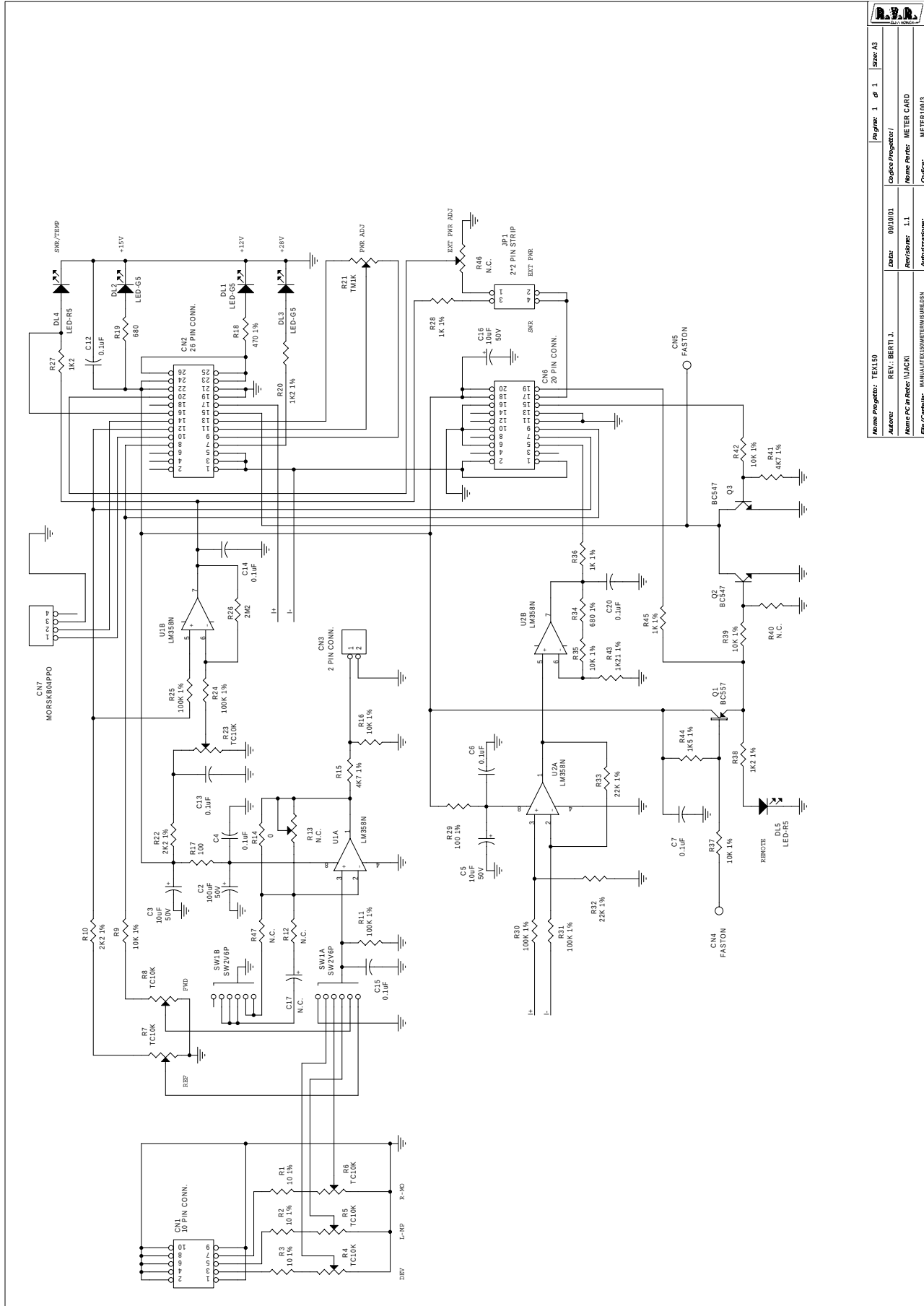
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Autore:	D'ALESSIO D.	Data:	05/11/01	Codice Progetto: /
Nome PC in Rete:	\\JACK\	Revisione:	1.0	Nome Parte: POWER SUPPLY MAIN CARD
File/Cartella:	MANUAL\TEX100\MAINPS\LAYMPS.DWG	Autore:		Codice: CSALMTEX100
Scala:		Materiali:	/	Trattamenti: /
				Profilo: /



Nome Progetto: TEX100	Revisione: 1.1	Autore: BERTI J.	Progetto: 09/10/01	Schema: 1	Size: A3
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File/Carrello: MANUALE/TESTMETER/TESTMETER	Revisione: 1.1	Autore: BERTI J.	Progetto: 09/10/01	Schema: 1	Size: A3

TEX 150

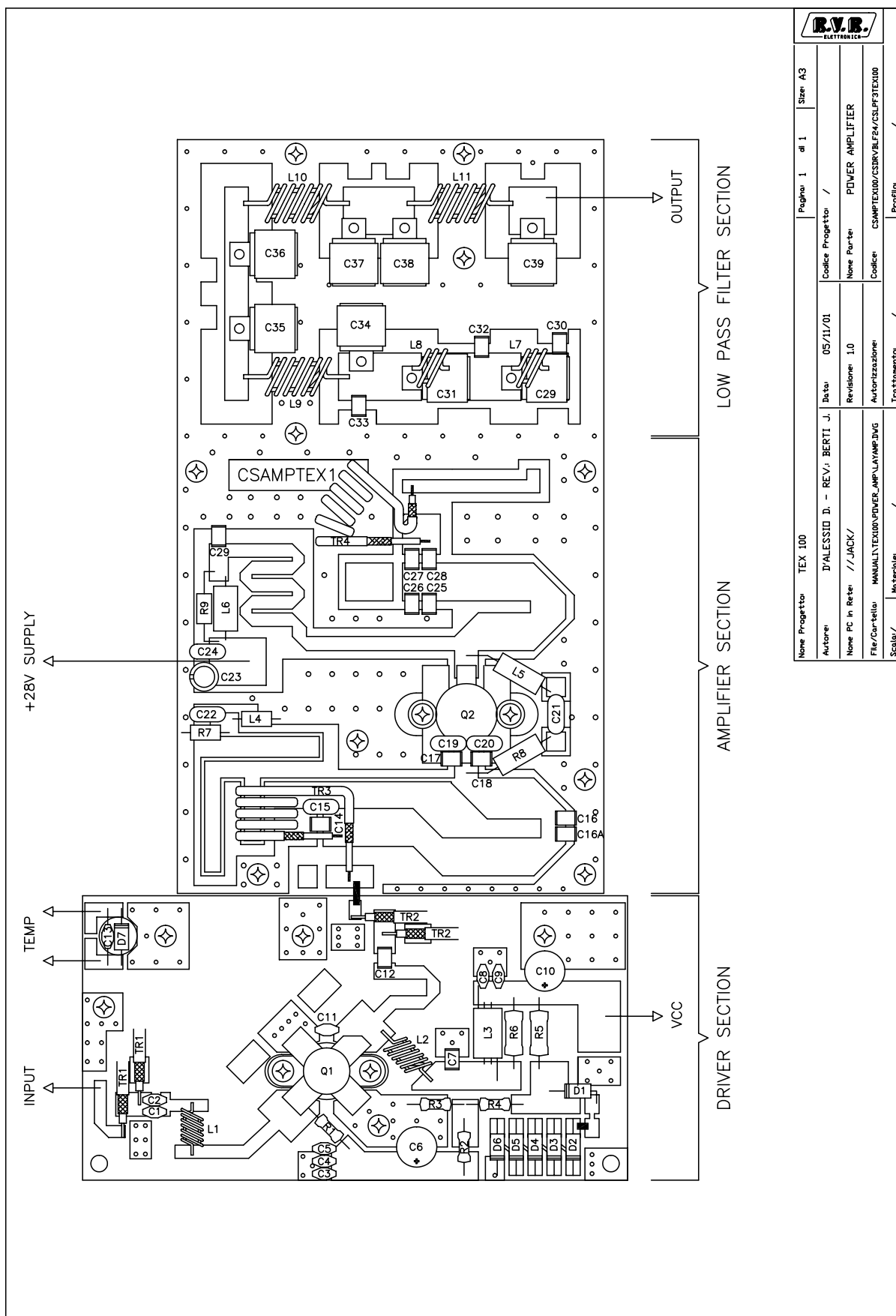
Bill Of Materials

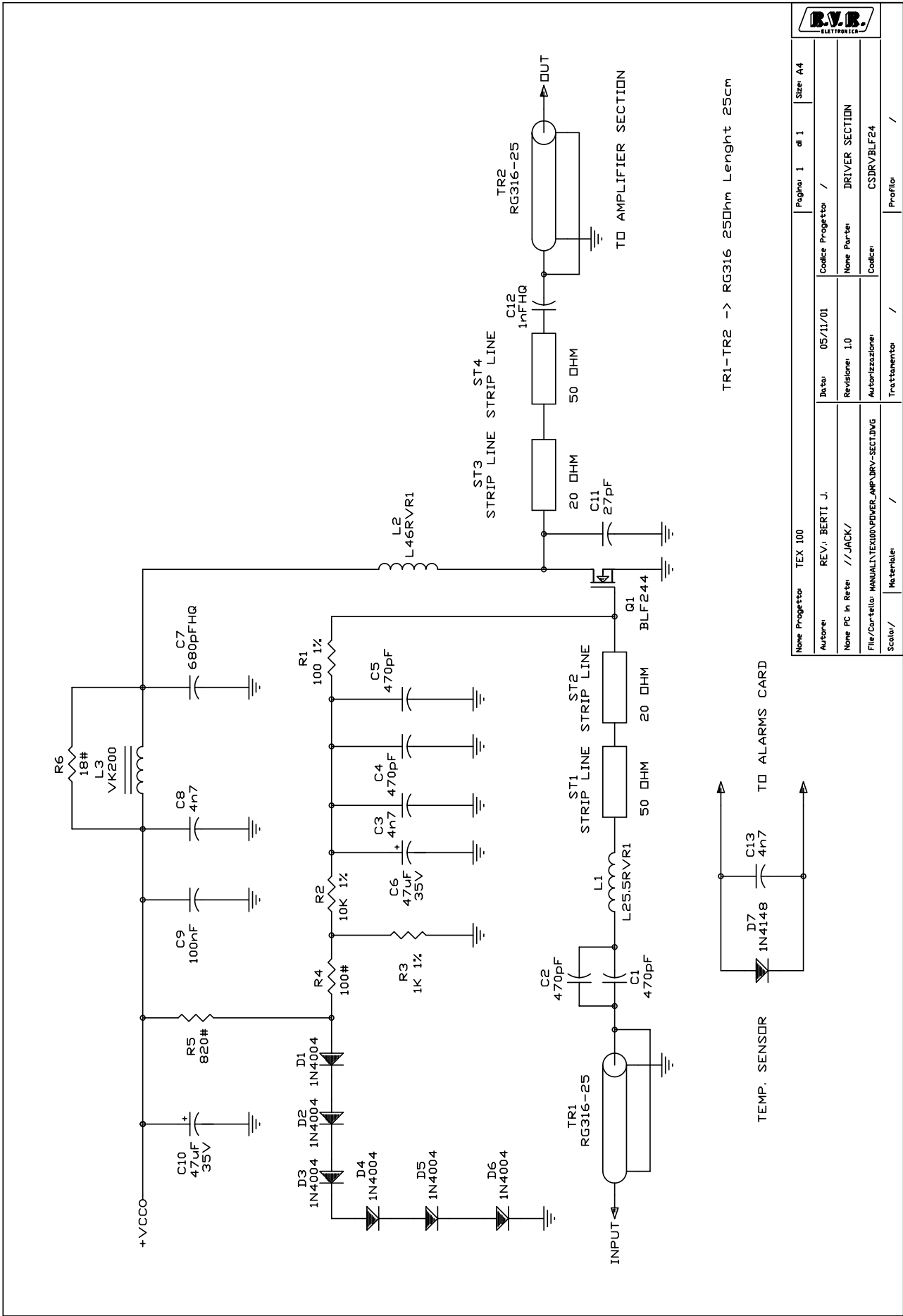
Page 1

Item	Quantity	Reference	Part	DESCRIPTION	PART ORDER CDE
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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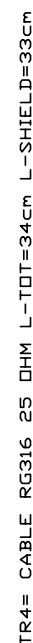
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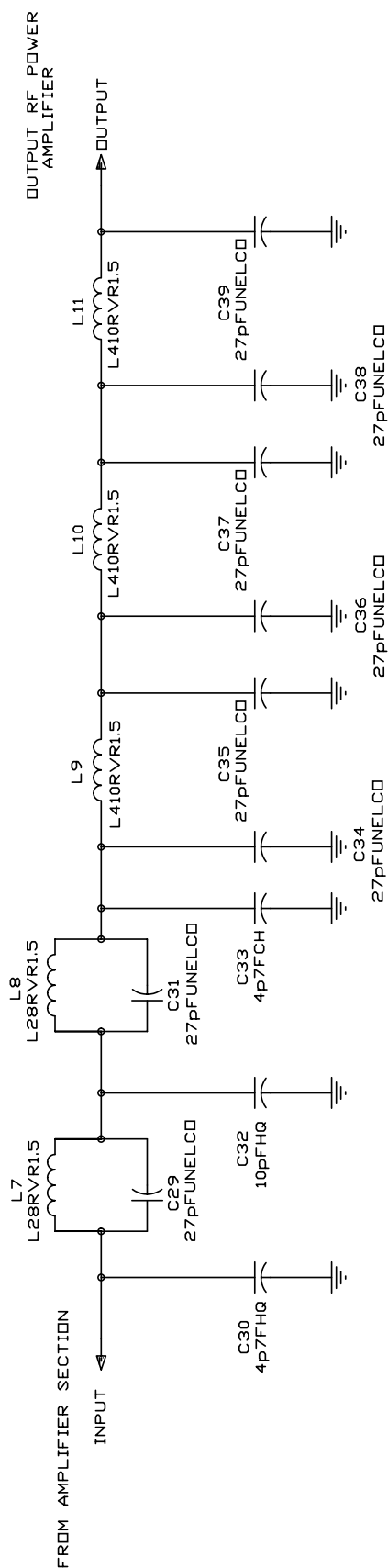
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Autore: REV. J. BERTI J.	Data: 05/11/01	Codice Progetto: /		
Nome PC in Rete: //JACK/	Revisione: 1.0	Nome Parte: DRIVER SECTION		
File/Cartella: MANUALE TEX100 POWER AMP DRV - SECTION	Autorizzazione:	Codice: CS0RV/BLF24		
Scala: /	Materiale: /	Trattamento: /		

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	STRIP LINE	



Technical Appendix

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 NPO	
6	2	C19,C20	100PF	CERAMIC CAPACITOR NPO	
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	



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File/Cartella:	MANUAL\TEX100\POWER_AMP\LFP-SECTIONG	Revisione:	1.0	
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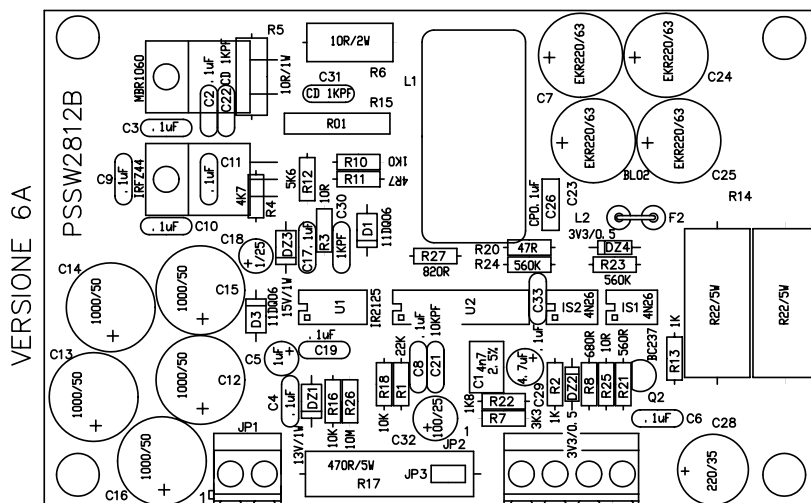
R.F. Power Amplifier - Low Pass Filter Sect. Bill Of Materials

Page 1

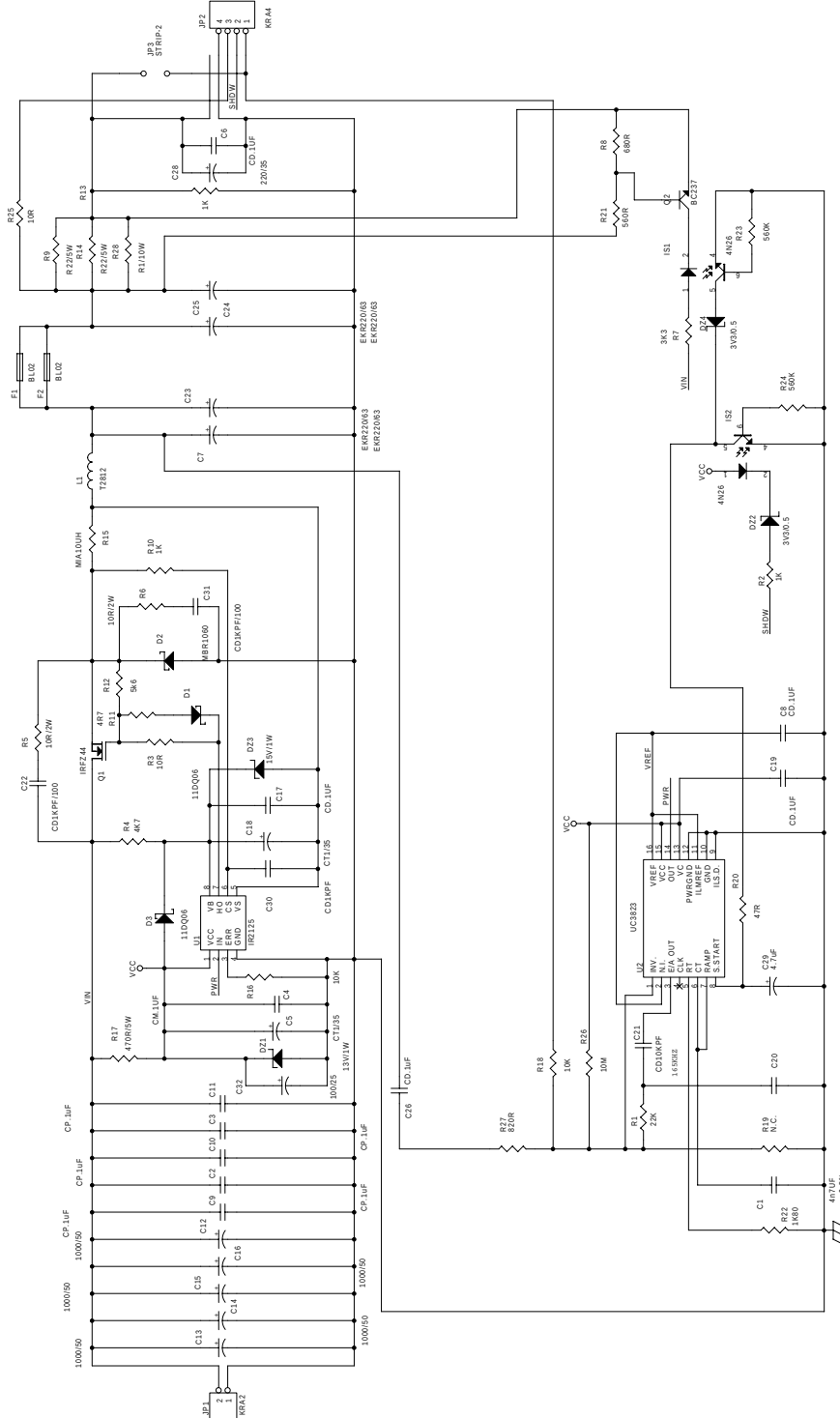
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1	1	C30	4P7FHQ	HIGHT Q CAPACITOR	
2	1	C33	4P7FCH	CERAMIC CHIP CAPACITOR	
3	1	C32	10PFHQ	HIGHT Q CAPACITOR	
4	8	C29,C31,C34,C35,C36,C37,C38,C39	27PFUNELCO	SILVER MICA CAPACITOR	
5	2	L7,L8	L28RVR1.5	2 SP DIAM 8 RAME ARGEN 1.5mm	
6	3	L9,L10,L11	L410RVR1.5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

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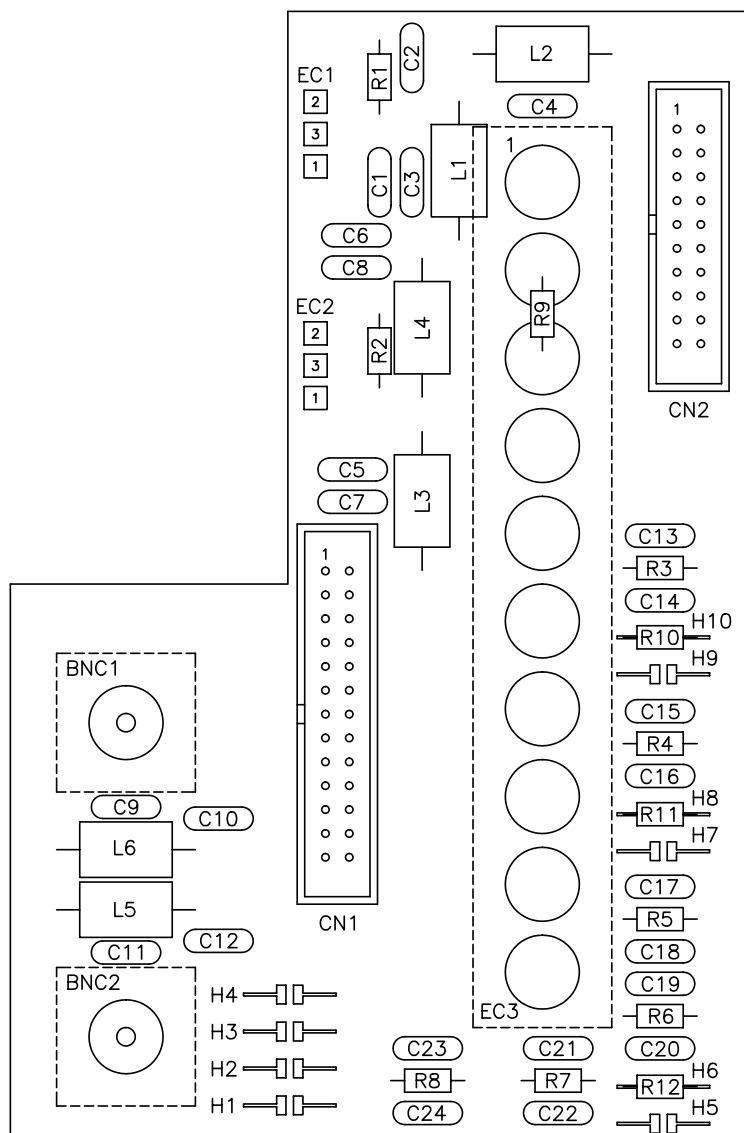
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File/Cartella: MANU\J\TEX100\PSSW2812		Revisione: 1.0	Autortizzazione: PSSW2812B	
Scala: /		Trattamento: /	Profilo: /	



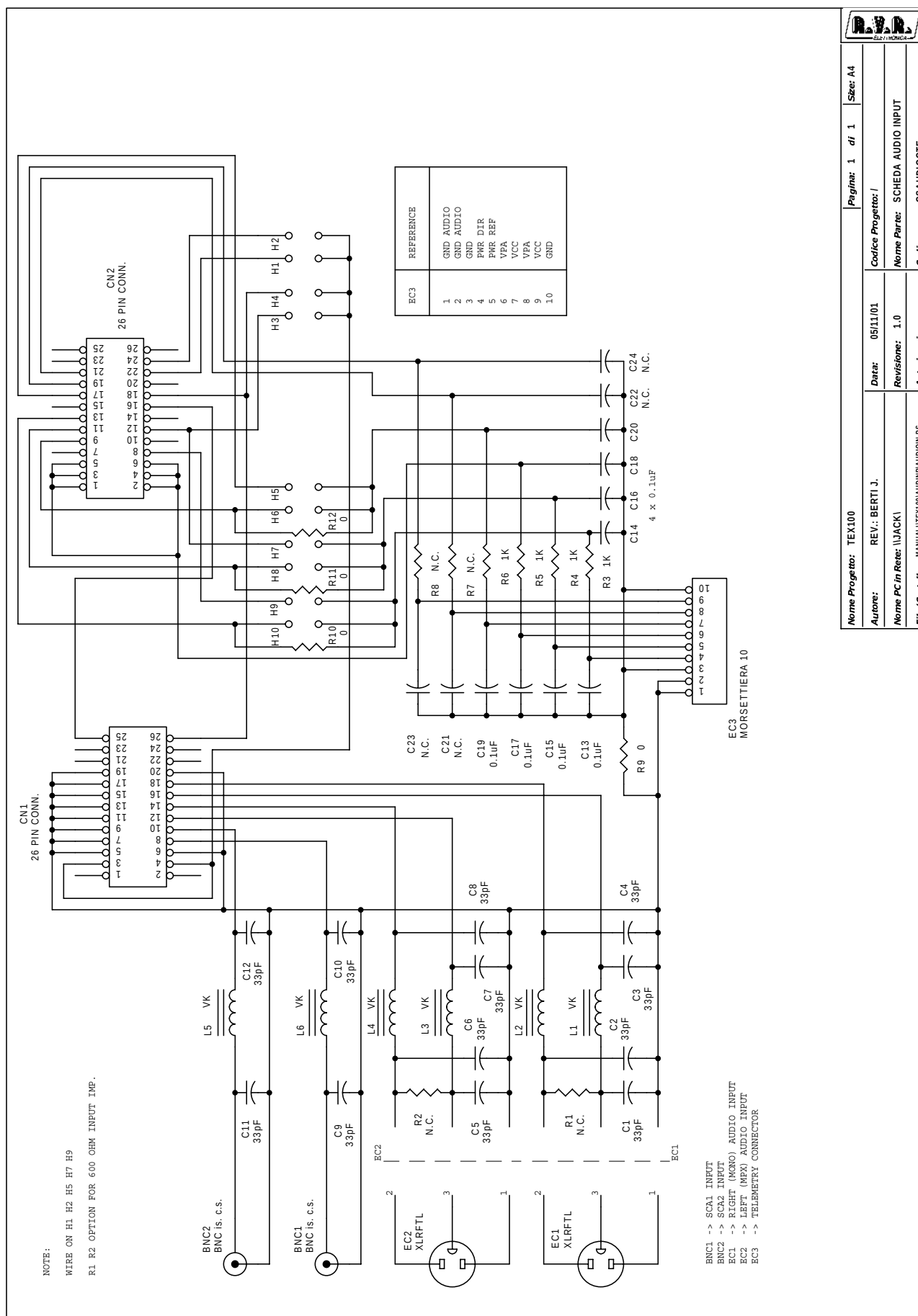
				
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File/Carrello: MANUAL\TEX100\PSSW2812\PS812.DSN	Autore: /		Codice: PSSW2812B	

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	DZ1	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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Scala	/		Codice	CSAUDIODE				
			Trattamento	/				
			Profilo	/				



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CSAUDIOCTE

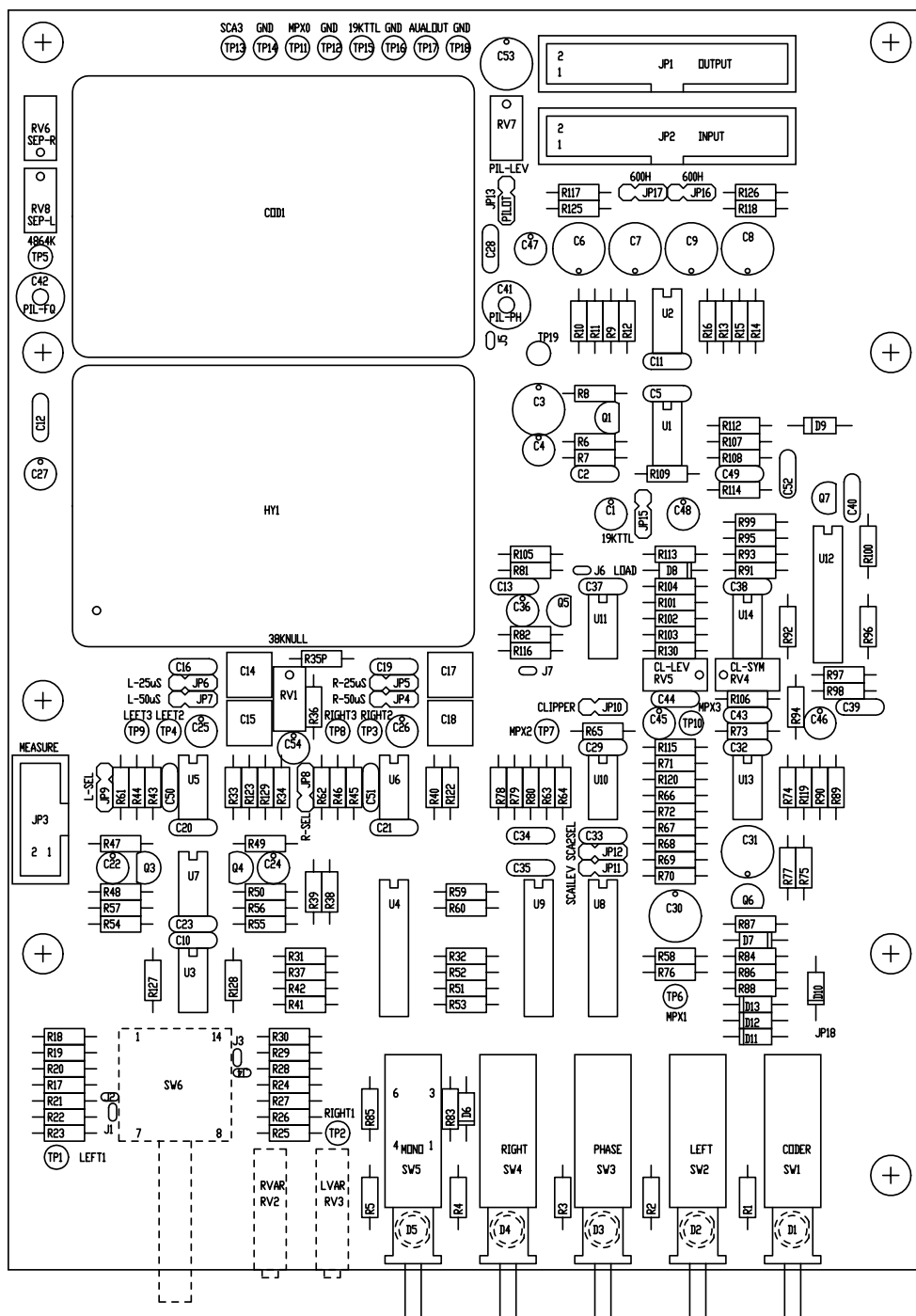
Bill Of Materials

Page 1

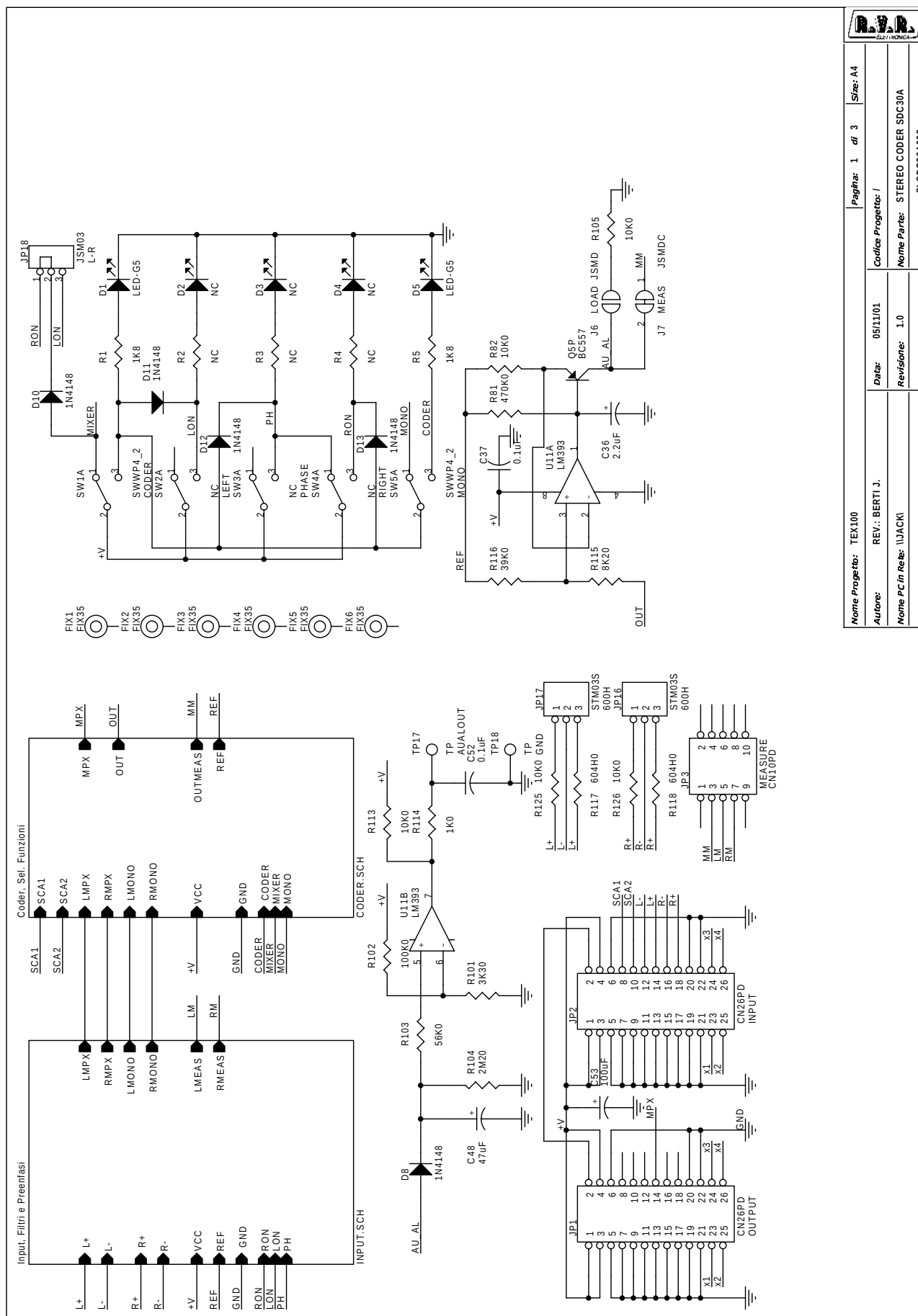
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1	4	R3,R4, R5,R6	1K	RESISTOR 1/4W 5%	
2	12	C1,C2,C3, C4,C5,C6, C7,C8,C9, C10,C11,C12	33pF	CERAMIC CAPACITOR NP0	
3	8	C13,C14, C15,C16, C17,C18, C19,C20	0.1uF	CERAMIC CAPACITOR	
4	6	L1,L2,L3, L4,L5,L6	VK	RF CHOKE	
5	2	EC1,EC2	XLRFTL	XLR FEMM. DA TELAIO	
6	1	EC3	MORSET. 10	MORSETT. TEL. 10 CONT.	
7	2	CN1,CN2	26 P CONN.	CONN. M 2*13 P 2.54	
8	2	BNC1,BNC2	BNC IS.CS.	CONN. BNC A STAMP. IS.	
9	10	H1,H2,H3, H4,H5,H6, H7,H8, H9,H10	WIRE JUMP.	PONTICELLO A FILO	
10	8	R1,R2,R7, R8,C21,C22, C23,C24	N.C.	RESISTOR 00HM	
11	4	R9,R10,R11, R12	0	NOT CONNECTED	

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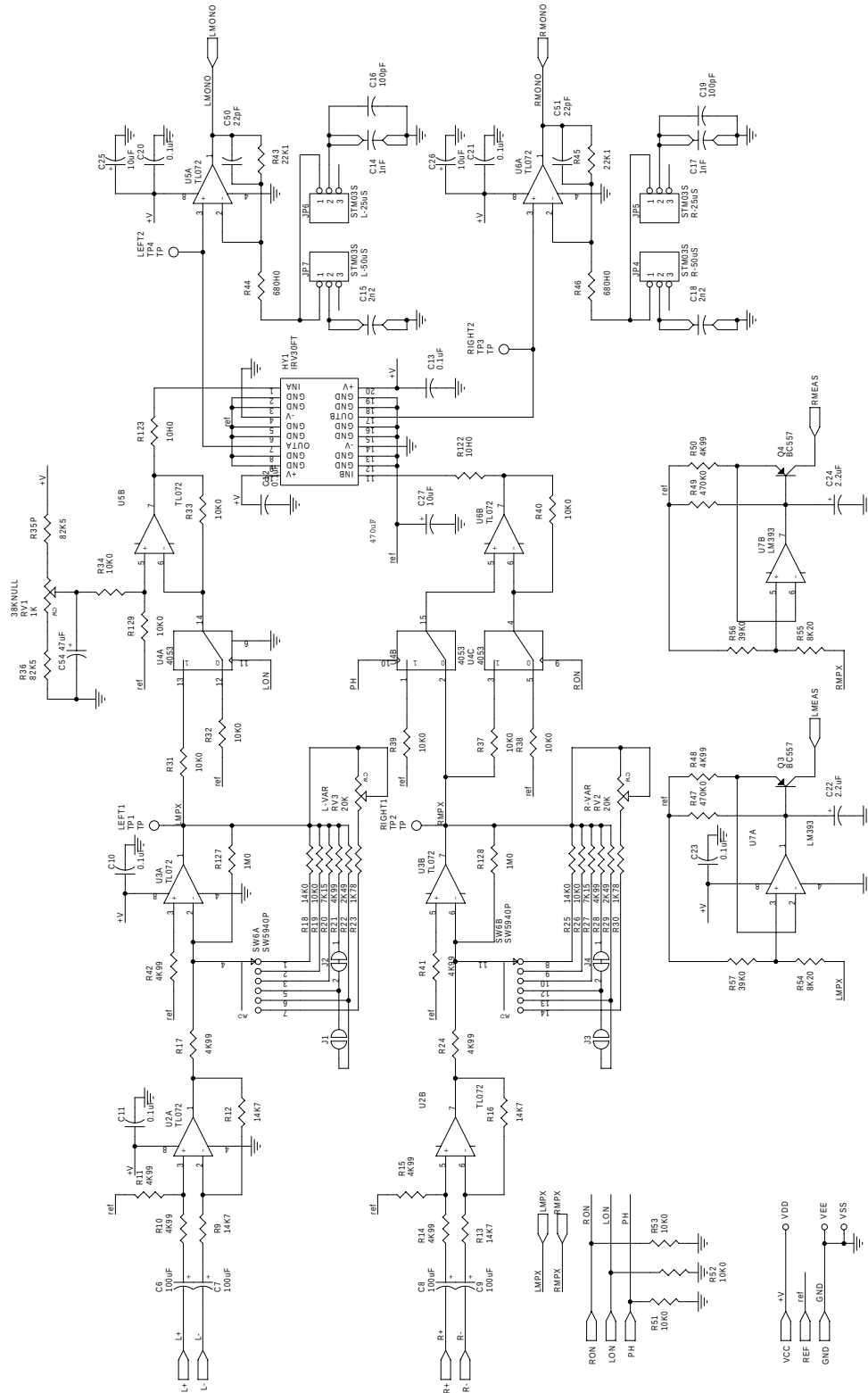


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File/Cartella		MANUALI\TEX100\STEREO		Autorizzazione		CODER SDC30A_3		Codice /	
Scala /		Metricale /		Trattamento		/		Profilo /	



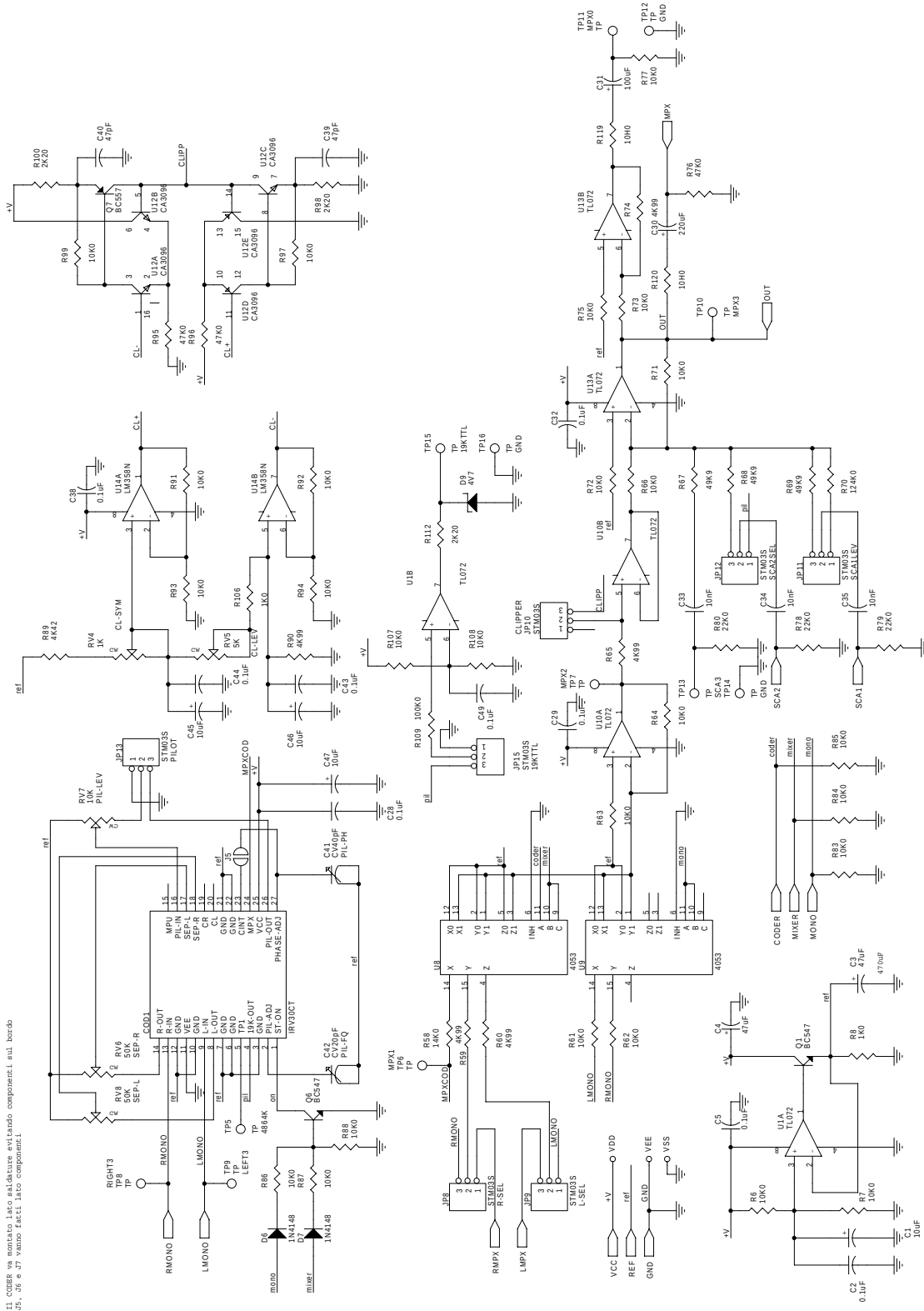
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File/ Cartella: MANUALE1001STEREO CODERSDC30A.DOC	Autore:	Codice: SLSDC30A002		

SW6, RV2, RV3 VANO INVERTI LATO SALIATURE
J1, J2, J3 e J4 vanno fatti lato componenti



Nome Progetto:	TEX100	Page:	2	di	3	Rev:	A3
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Nome PC in Rete:	\\JACK1	Revisione:	1.0	Nome:			
File Contiene:	AVVIA IL LAVORO ELETTRONICO	Autore:	SI DCS30A002	Coefice:			

Il CODER va montato lato saldatore evitando componenti sul bordo
D5, D6 e D7 vanno fatti lato componenti.

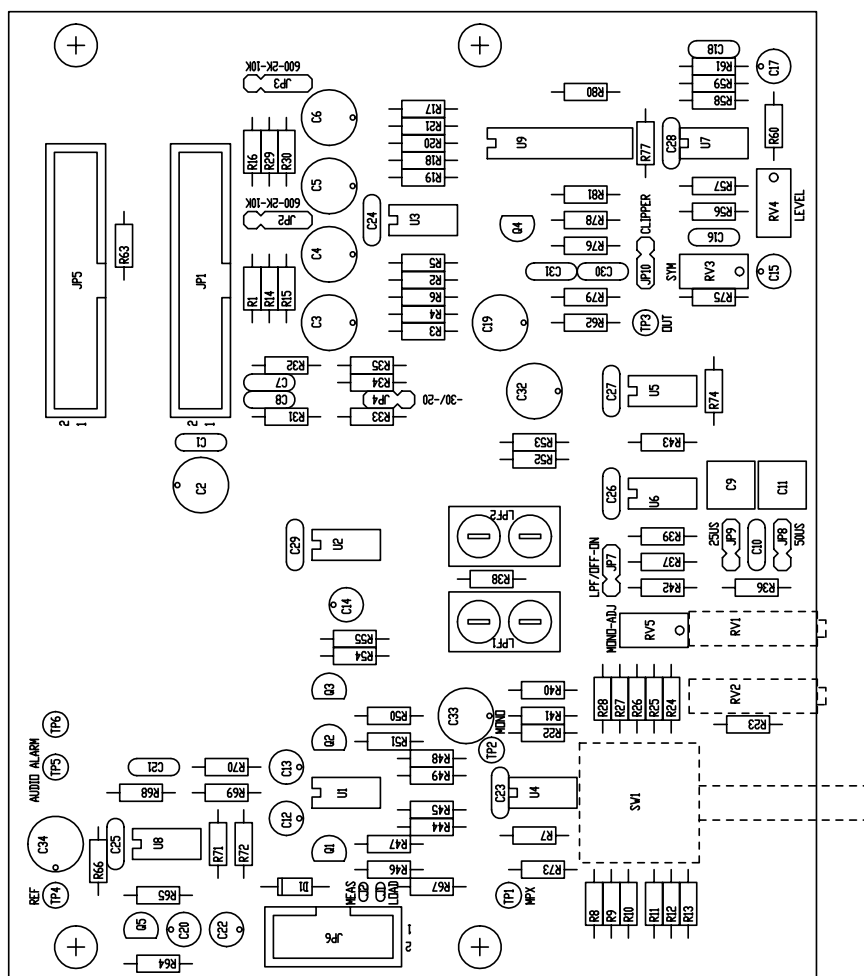


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Nome PC in Rete:	UJACKI	Revisione:	1.0	Autore:		Codice:	SLSDC30A002
File/Componente:	MANUALI ELETTRICI E COMPONENTI D.S.						

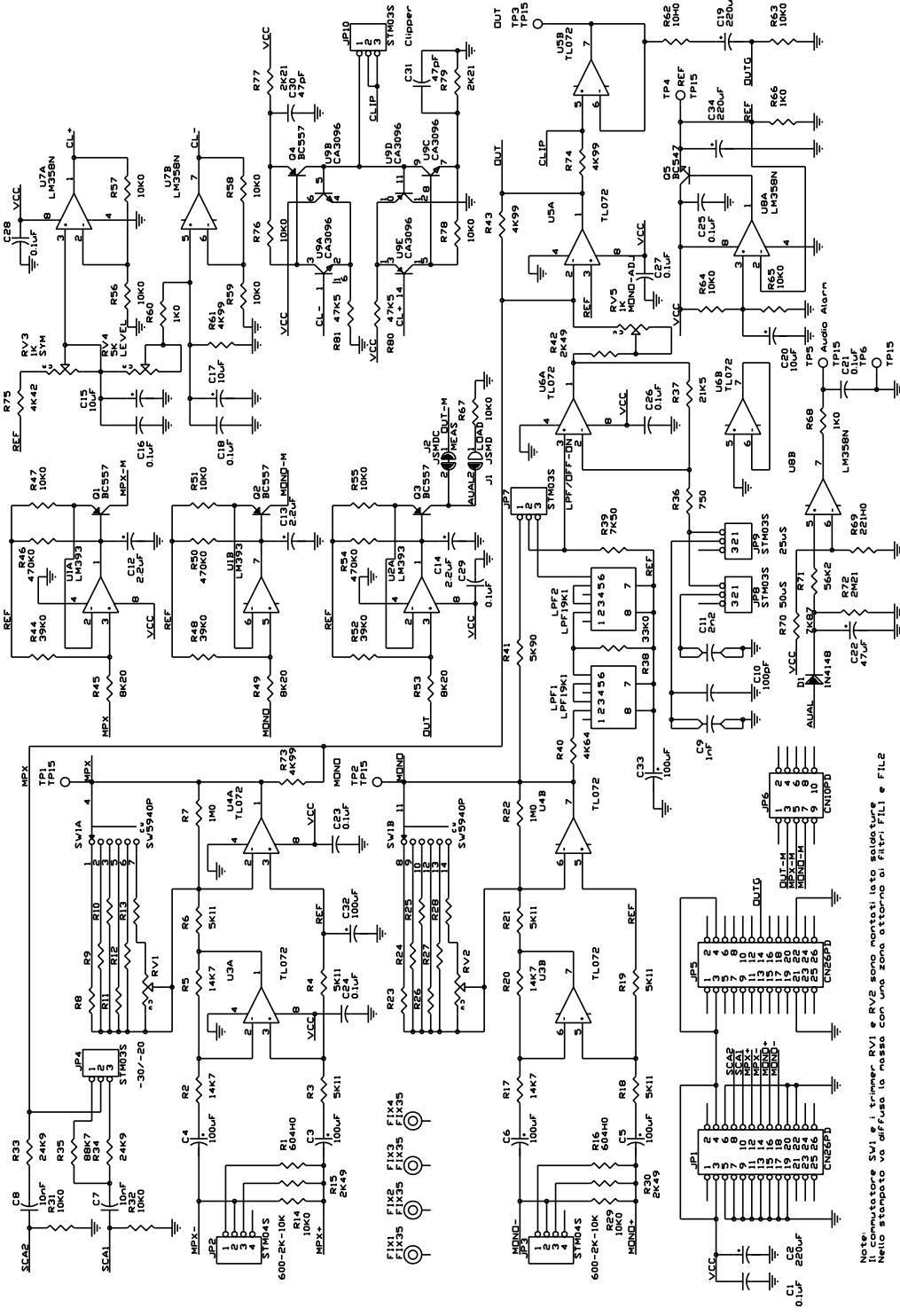
SLSDC30A002 Bill Of Materials Page1

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



								
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\\JACK\\								
File/Carta		Autorizzazione				Codice		CSAFM-MPX002
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Scale/	Materiali	/		Trattamenti		/		Profilo

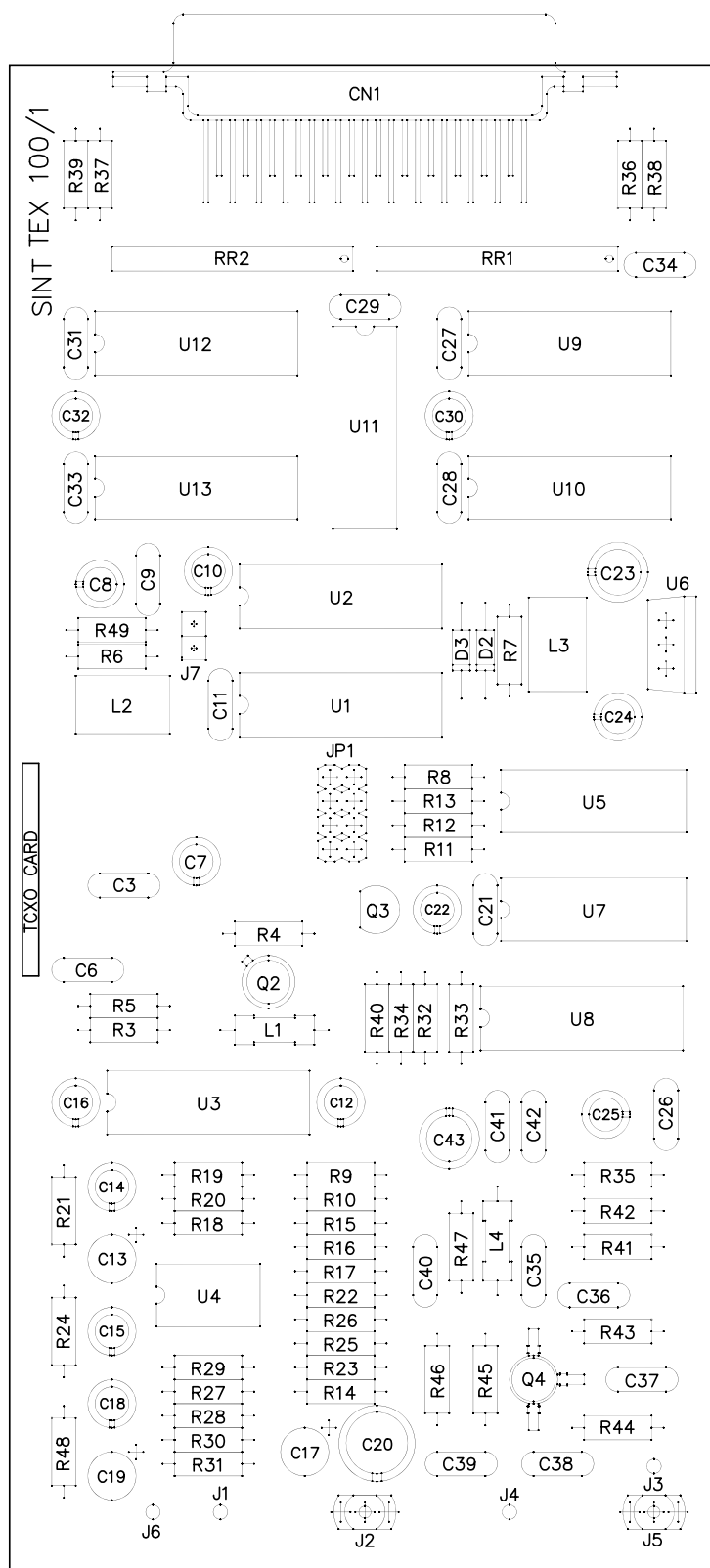


Note:
- I componenti SVI e i trimmer RV1 e RV2 sono montati lato saldatore.
- Nello stampato va diffusa la massa con una zona attorno ai filtri FIL1 e FIL2.

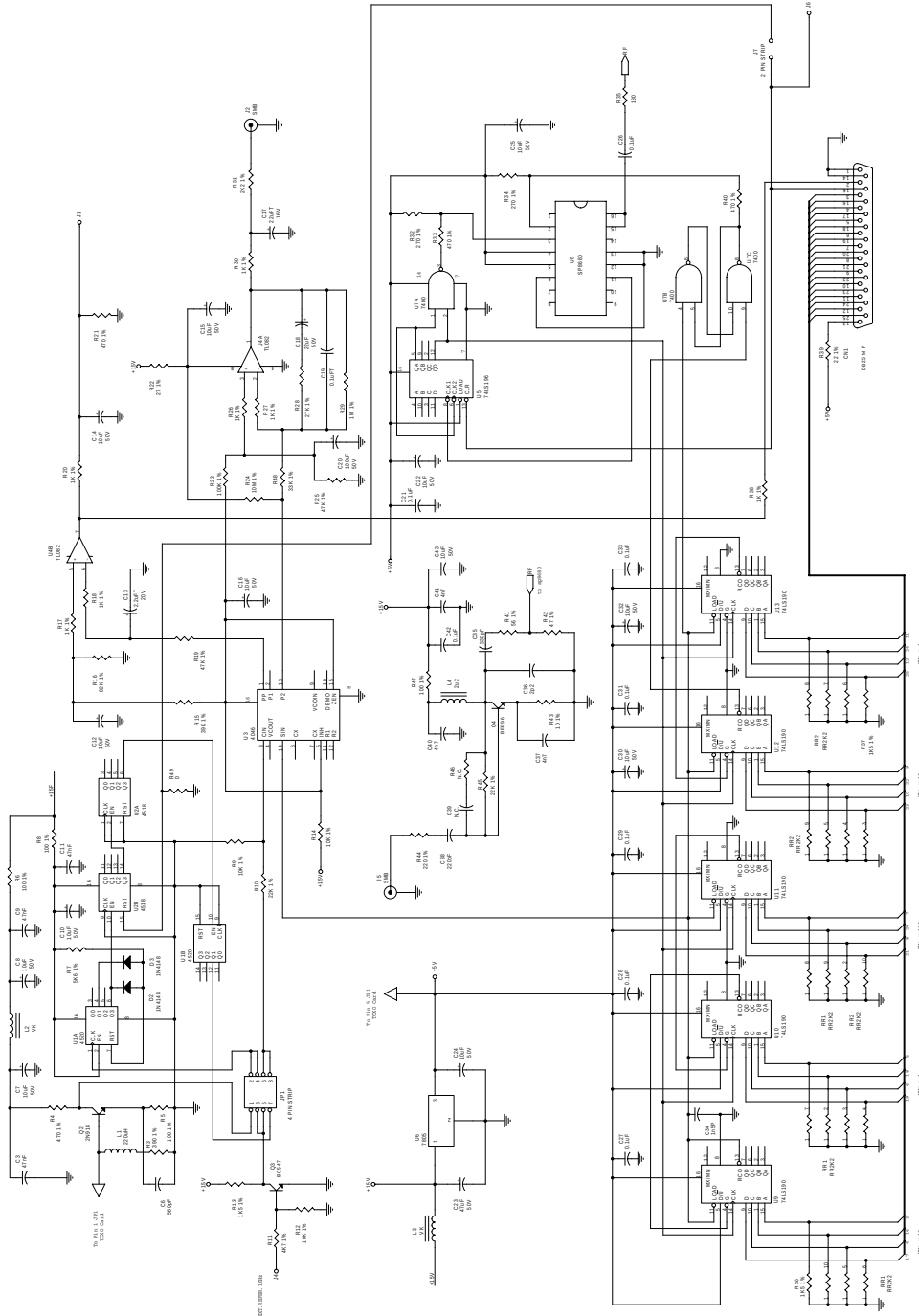
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Materiale: /		Codice: CSAFM-MPX002		
		Trattamento: /		
		Profilo: /		

SLAFM-MPX002		Bill Of Materials		Page	1
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	J5MD		
19	1	J2	J5MDC		
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



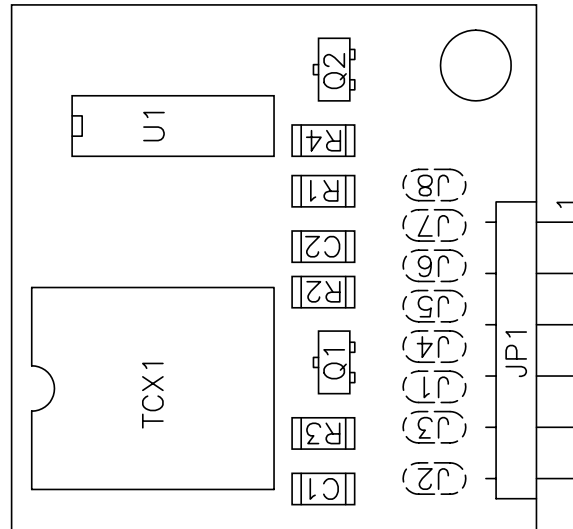
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Scala:	/	Titolamento:	/	
		Profilo:	/	



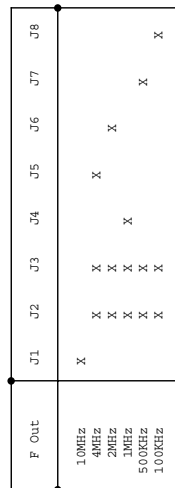
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File/Caricella: MANUTENZIONE ALA	Autore/Revisione:	Codice:	CSSINTEX100

Item	Quantity	Reference	Part	DESCRIPTION	PART ORDER CODE
1	1	R49	0	0 OHM RESISTOR	
2	1	R43	10 1%	RESISTOR 1/4W 1%	
3	1	R39	22 1%	RESISTOR 1/4W 1%	
4	1	R22	27 1%	RESISTOR 1/4W 1%	
5	1	R42	47 1%	RESISTOR 1/4W 1%	
6	1	R50	47#	RESISTOR 2W	
7	1	R41	56 1%	RESISTOR 1/4W 1%	
8	4	R5,R6,R8,R47	100 1%	RESISTOR 1/4W 1%	
9	1	R35	180	RESISTOR 1/4W 5%	
10	1	R44	220 1%	RESISTOR 1/4W 1%	
11	2	R32,R34	270 1%	RESISTOR 1/4W 1%	
12	1	R3	390 1%	RESISTOR 1/4W 1%	
13	4	R4,R21,R33,R40	470 1%	RESISTOR 1/4W 1%	
14	1	R2	820 1%	RESISTOR 1/4W 1%	
15	7	R17,R18,R20,R26,R27,R30, R38	1K 1%	RESISTOR 1/4W 1%	
16	3	R13,R36,R37	1K5 1%	RESISTOR 1/4W 1%	
17	1	R31	2K2 1%	RESISTOR 1/4W 1%	
18	1	R11	4K7 1%	RESISTOR 1/4W 1%	
19	1	R7	5K6 1%	RESISTOR 1/4W 1%	
20	3	R9,R12,R14	10K 1%	RESISTOR 1/4W 1%	
21	2	R10,R45	22K 1%	RESISTOR 1/4W 1%	
22	1	R28	27K 1%	RESISTOR 1/4W 1%	
23	1	R48	33K 1%	RESISTOR 1/4W 1%	
24	1	R15	39K 1%	RESISTOR 1/4W 1%	
25	2	R19,R25	47K 1%	RESISTOR 1/4W 1%	
26	1	R16	82K 1%	RESISTOR 1/4W 1%	
27	1	R23	100K 1%	RESISTOR 1/4W 1%	
28	2	R1,R29	1M 1%	RESISTOR 1/4W 1%	
29	1	R24	10M 1%	RESISTOR 1/4W 1%	
30	2	RR1,RR2	RR2K2	RESISTOR NETWORK	
31	1	C36	2P2	CERAMIC CAPACITOR NP0	
32	1	C2	M10PF	PRECISION TRIMMER CAP.	
33	1	C1	18PF	CERAMIC CAPACITOR NP0	
34	1	C5	33PF	CERAMIC CAPACITOR NP0	
35	1	C38	220PF	CERAMIC CAPACITOR NP0	
36	1	C35	330PF	CERAMIC CAPACITOR	
37	1	C6	560PF	CERAMIC CAPACITOR	
38	1	C34	1N5P	POLYESTER CAPACITOR	
39	3	C37,C40,C41	4N7	CERAMIC CAPACITOR	
40	4	C3,C4,C9,C11	47NF	CERAMIC CAPACITOR	
41	8	C21,C26,C27,C28,C29,C31, C33,C42	0.1UF	CERAMIC CAPACITOR	
42	1	C19	0.1UFT	TANTALIUM CAPACITOR	
43	1	C13	2.2UFT	TANTALIUM CAPACITOR	
44	13	C7,C8,C10,C12,C14,C15, C16,C22,C24,C25,C30,C32, C43	10UF	ELECTROLYTIC CAPACITOR	
45	1	C18	22UF	ELECTROLYTIC CAPACITOR	
46	1	C17	22UFT	TANTALIUM CAPACITOR	
47	1	C23	47UF	ELECTROLYTIC CAPACITOR	
48	1	C20	100UF	ELECTROLYTIC CAPACITOR	
49	1	L4	2U2	RF CHOKE	
50	1	L1	220UH	RF CHOKE	
51	2	L2,L3	VK	RF CHOKE	

52	1	J7	2 PIN STRIP	STRIP M P 2.54 2 PIN
53	1	JP1	4 PIN STRIP	STRIP M P 2.54 4 PIN
54	1	J1	2 PIN JUMP	MINIJUMPER P 2.54
55	1	CN1	DB25 M F	CONN. M 25 FILTRATO MURATA
56	2	J2, J5	SMB	CONN. SMB A CRIMP. RG188
57	1	XTAL TERM1	PTH	CRYSTAL HEATER
58	1	X1	Q4MHZ	CRYSTAL
59	3	D1, D2, D3	1N4148	SILICON DIODE
60	1	U6	7805	POS. STABILIZER 1A
61	1	Q3	BC547	NPN TRANSISTOR
62	1	Q2	2N918	NPN RF TRANSISTOR
63	1	Q4	BFR96	NPN RF TRANSISTOR
64	1	Q1	BF245B	FET TRANSISTOR
65	1	U4	TL082	DOUBLE OP. AMP.
66	1	U8	SP8680	ECL DIVIDER
67	1	U3	4046	CMOS PHASE COMPARATOR
68	1	U2	4518	CMOS BCD DIVIDER
69	1	U1	4520	CMOS BIN DIVIDER
70	1	U7	7400	TTL QUAD NAND
71	5	U9, U10, U11, U12, U13	74LS190	TTL BCD DIVIDER
72	1	U5	74LS196	TTL LS DIVIDER
73	2	C39, R46	N.C.	NOT CONNECTED



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File/Cartella	MANUAL\TEX100\PLL\LAY\TCX0.DWG		Autore			Codice	CSTCX002	
Scala	/		Trattamento	/		Profilo	/	



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File/ Cartella:		Autore/autorizzazione:	SCHEDA TCXO CSTCX002			

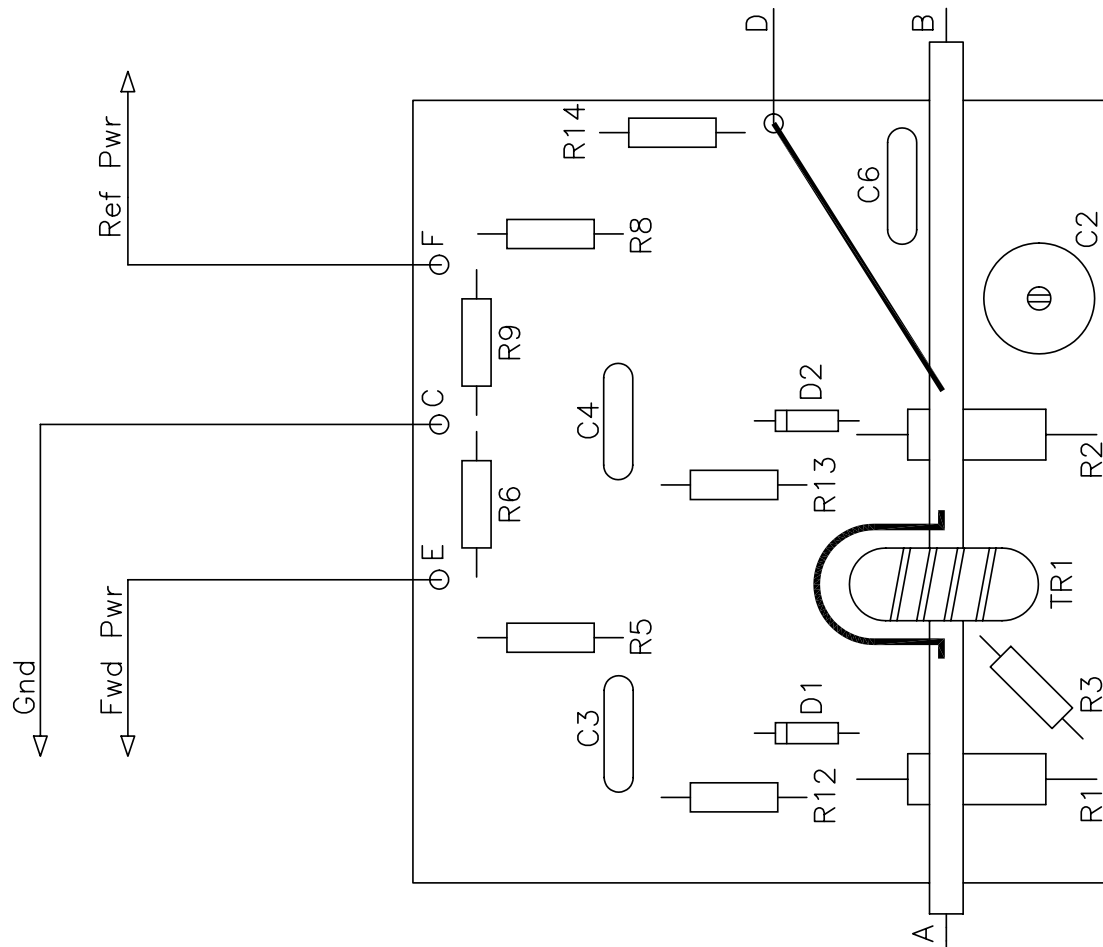
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Bill Of Materials

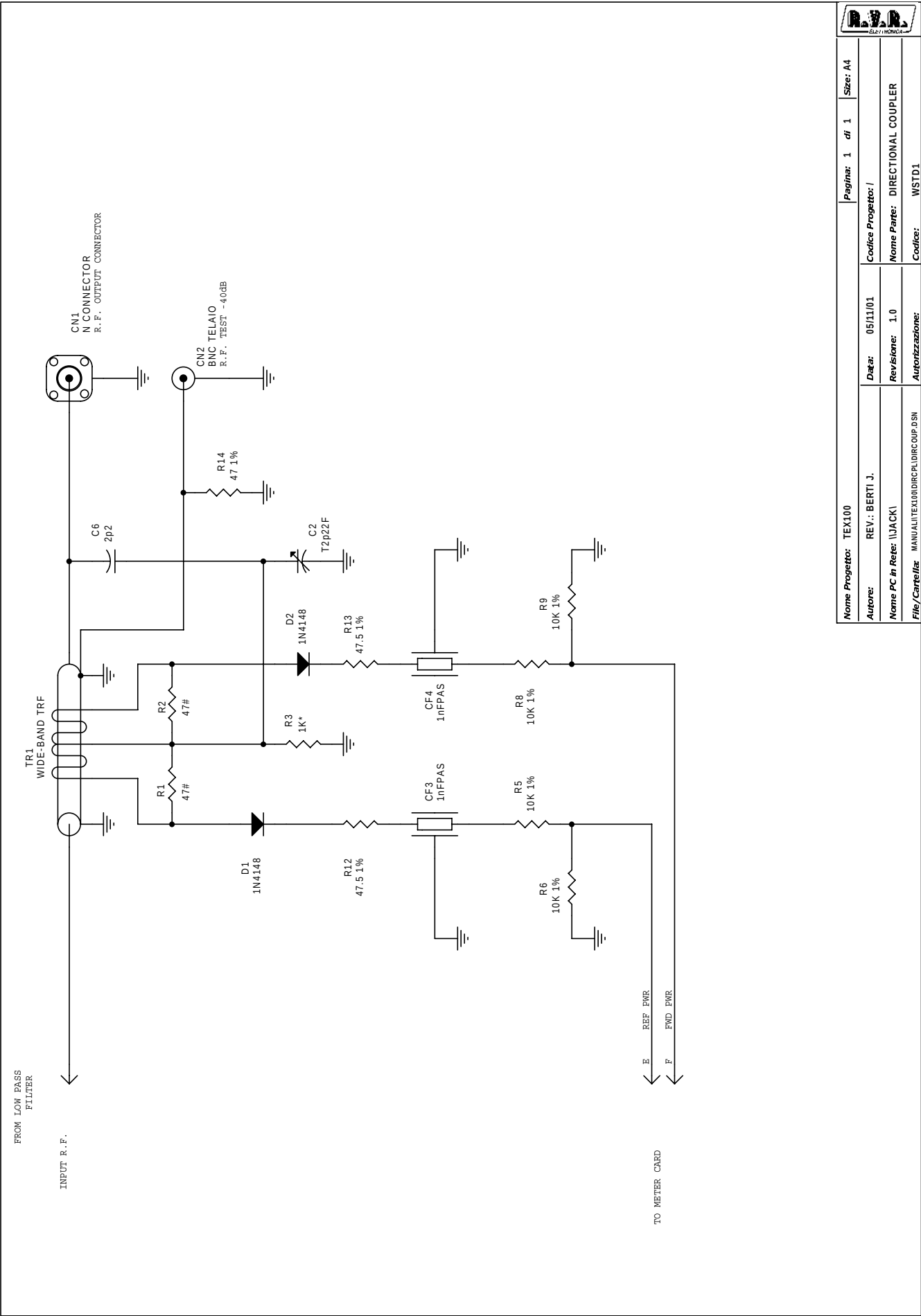
Page 1

Item	Quantity	Reference	Part
1	2	C1,C2	0.1uF
2	1	FIX1	FIX35
3	1	JP1	STM06SO
4	8	J1,J2,J3,J4,J5,J6,J7,J8	JSMD
5	1	Q1	MMBFJ310
6	1	Q2	BC857
7	1	R1	4K7
8	1	R2	270
9	1	R3	150K
10	1	R4	470
11	1	TCX1	TCXOS
12	1	U1	HC390SMD

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Scala:	/	Materiali:	/	WSTD1
		Treatmento:	/	Profilo:



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Nome PC in Rete: I\JACKI	Revisione: 1.0	Nome Parte: DIRECTIONAL COUPLER		
File/Carte/Itz: MANUALE TEX100 DIRCPL DIRCOUP.DSN	Autore: BERTI J.	Codice: WSTD1		

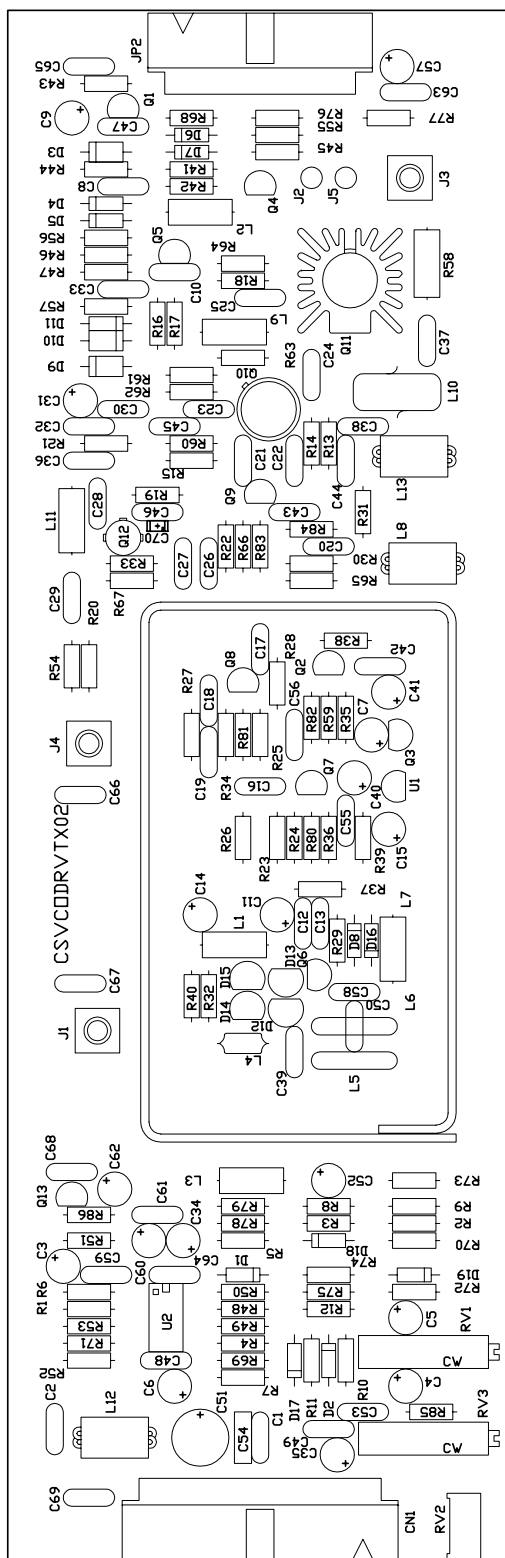
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Bill Of Materials

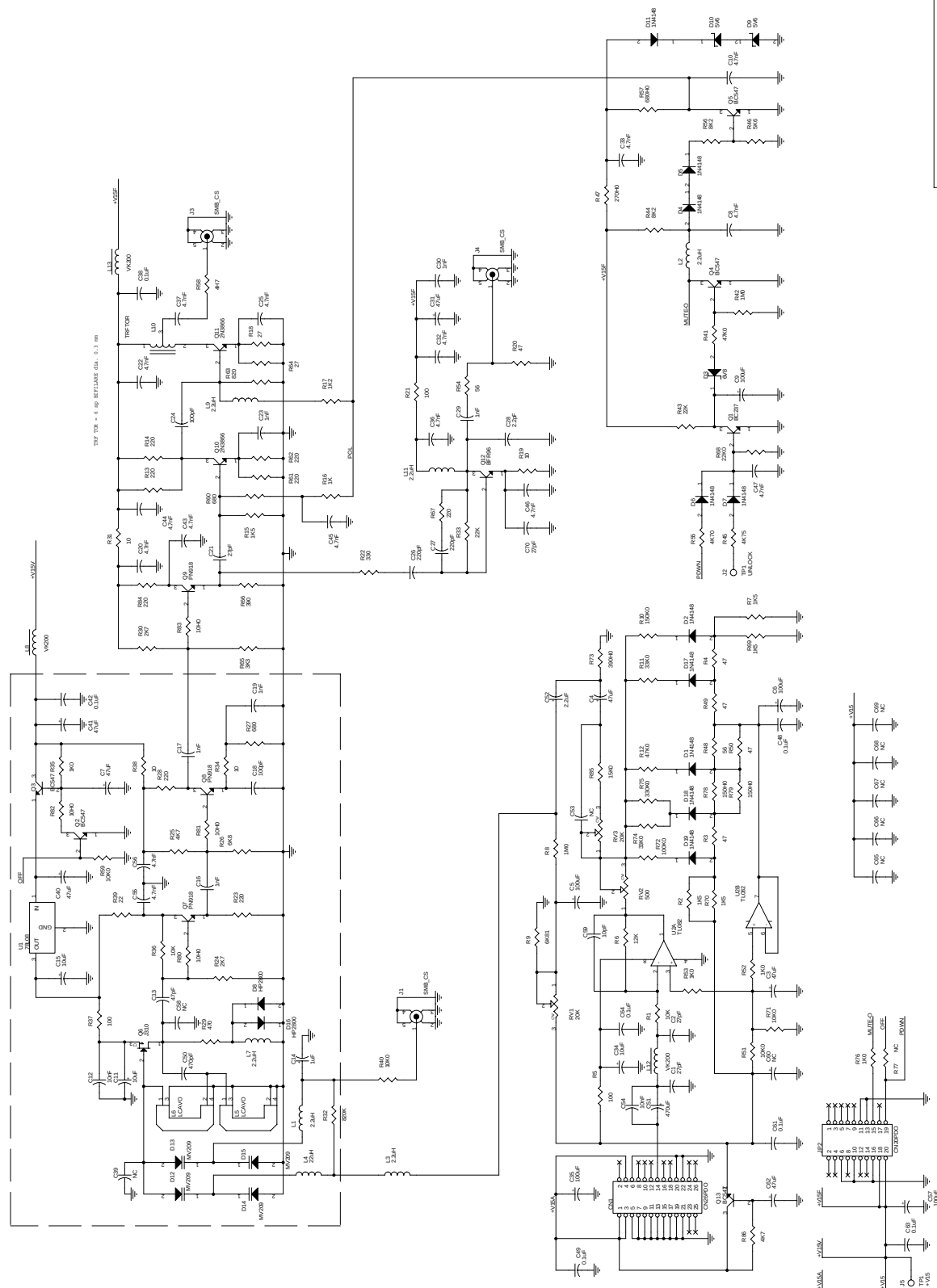
Page 1

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	

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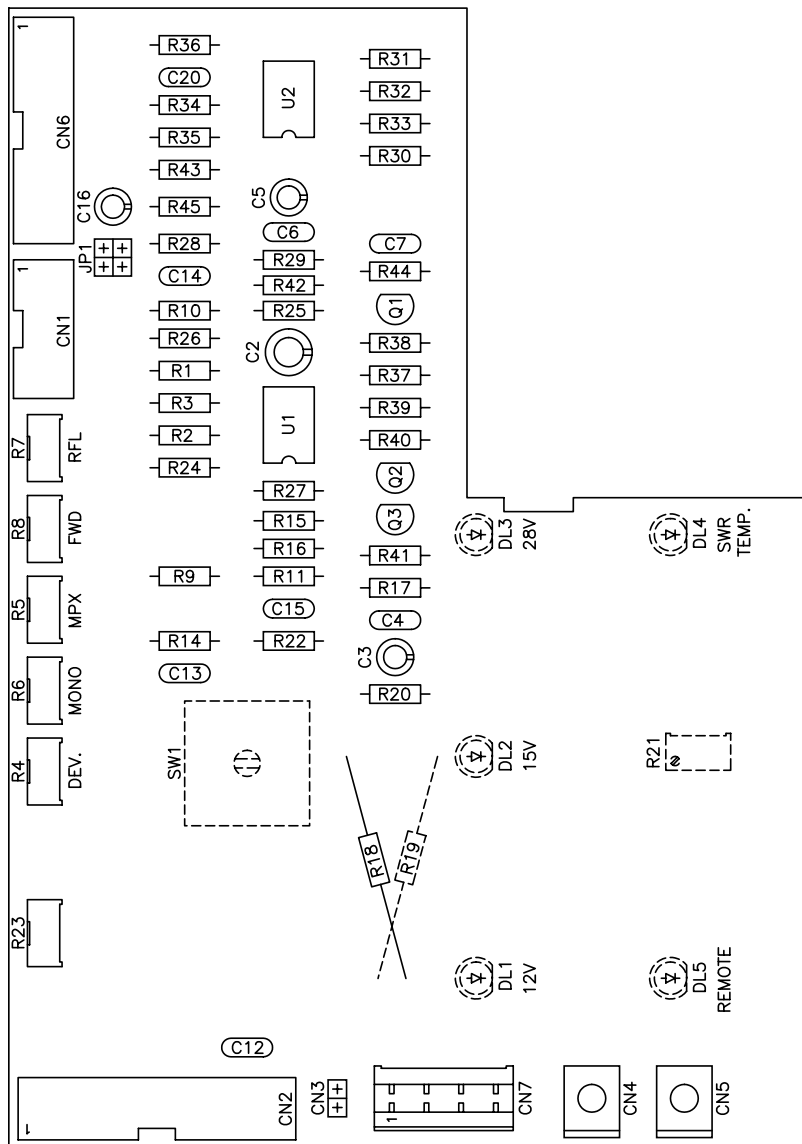
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File/Cortella\MANUAL\TEX100\VC02\LAY\VC02.DWG		Autore		VCD DRIVER	
Scala/		Trattamento		/	
Materiali		Codice		CSVCDRVTX02	
		Profilo		/	



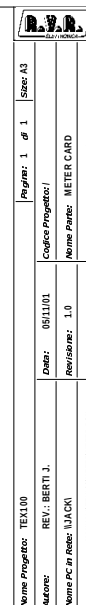
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Autore:	...	Revisione:	1.1	Autore:	...

SLVCDRVTX02		Bill Of Materials		Page1
Item	Quantity	Reference	Part	
1	1	CN1	CN26PDO	
2	4	C1, C2, C21, C70	27pF	
3	7	C3, C4, C7, C31, C40, C41, C62	47uF	
4	5	C5, C6, C9, C35, C57	100uF	
5	16	C8, C10, C20, C22, C25, C32, C33, C36, C37, C43, C44, C45, C46, C47, C55, C56	4.7nF	
6	3	C11, C15, C34	10uF	
7	2	C12, C54	10nF	
8	1	C13	47pF	
9	1	C14	1uF	
10	6	C16, C17, C19, C23, C29, C30	1nF	
11	2	C18, C24	100pF	
12	2	C27, C26	220pF	
13	1	C28	2.2pF	
14	7	C38, C42, C48, C49, C61, C63, C64	0.1uF	
15	10	C39, C53, C58, C60, C65, C66, C67, C68, C69, R77	NC	
16	1	C50	470pF	
17	1	C51	470uF	
18	1	C52	2.2uF	
19	1	C59	10pF	
20	10	D1, D2, D4, D5, D6, D7, D11, D17, D18, D19	1N4148	
21	1	D3	6V8	
22	2	D8, D16	HP2800	
23	2	D10, D9	5V6	
24	4	D12, D13, D14, D15	MV209	
25	1	JP2	CN20PDO	
26	3	J1, J3, J4	SMB_CS	
27	2	J5, J2	TP1	
28	6	L1, L2, L3, L7, L9, L11	2.2uH	
29	1	L4	22uH	
30	2	L6, L5	LCAVO	
31	3	L8, L12, L13	VK200	
32	1	L10	TRFTOR	
33	1	Q1	BC237	
34	5	Q2, Q3, Q4, Q5, Q13	BC547	
35	1	Q6	J310	
36	3	Q7, Q8, Q9	PN918	
37	2	Q10, Q11	2N3866	
38	1	Q12	BFR96	
39	2	RV3, RV1	20K	
40	1	RV2	500	
41	2	R1, R36	10K	
42	5	R2, R7, R15, R69, R70	1K5	
43	5	R3, R4, R20, R49, R50	47	
44	3	R5, R21, R37	100	
45	1	R6	12K	
46	2	R42, R8	1M0	
47	1	R9	6K81	
48	1	R10	150K0	
49	2	R74, R11	33K0	

50	2	R41, R12	47K0
51	8	R13, R14, R23, R28, R61, R62, R67, R84	220
52	1	R16	1K
53	1	R17	1K2
54	2	R64, R18	27
55	4	R19, R31, R34, R38	10
56	1	R22	330
57	2	R24, R30	2K7
58	2	R86, R25	4K7
59	1	R26	6K8
60	2	R60, R27	680
61	1	R29	470
62	1	R32	820K
63	2	R43, R33	22K
64	4	R35, R52, R53, R76	1K0
65	1	R39	22
66	4	R40, R51, R59, R71	10K0
67	2	R44, R56	8K2
68	1	R45	4K75
69	1	R46	5K6
70	1	R47	270H0
71	2	R48, R54	56
72	1	R55	4K70
73	1	R57	680H0
74	1	R58	4H7
75	1	R63	820
76	1	R65	3K3
77	1	R66	390
78	1	R68	22K0
79	1	R72	100K0
80	1	R73	390H0
81	1	R75	330K0
82	2	R78, R79	150H0
83	4	R80, R81, R82, R83	10H0
84	1	U1	78L08
85	1	U2	TL082
86	1	1R85	15K0



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File/Cartella	MANUAL\TEX100\METERLAYMET.DWG		Autorizzazione	/		Codice	METER100/3	
Scala	/		Trattamento	/		Profilo	/	



METER CARD

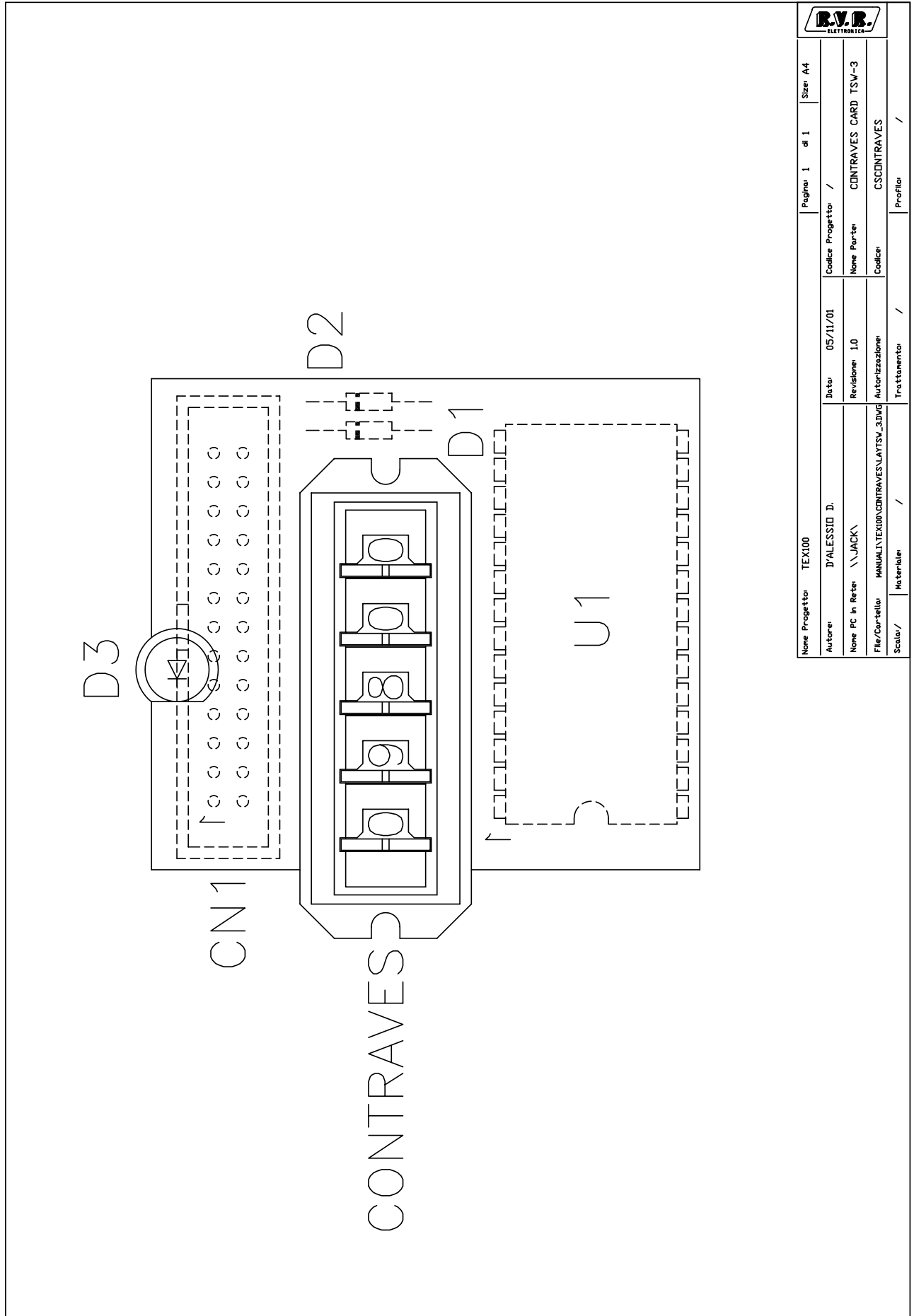
Bill Of Materials

Page 1

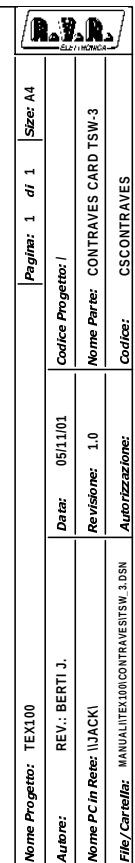
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1	1	R14	0	0 OHM RESISTOR	
2	3	R1, R2, R3	10 1%	RESISTOR 1/4W 1%	
3	1	R29	100 1%	RESISTOR 1/4W 1%	
4	1	R17	100	RESISTOR 1/4W 5%	
5	1	R18	470 1%	RESISTOR 1/4W 1%	
6	1	R34	680 1%	RESISTOR 1/4W 1%	
7	1	R19	680	RESISTOR 1/4W 5%	
8	3	R28, R36, R45	1K 1%	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%	

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File/Cartella:	MANUAL\TEX100\CONTRAVES\LAYOUTSW_3.DWG	Autorizzazione:		Codice: CSCONTRAVES
Scala:	Materiali: /	Trattamento:	/	Profilo: /



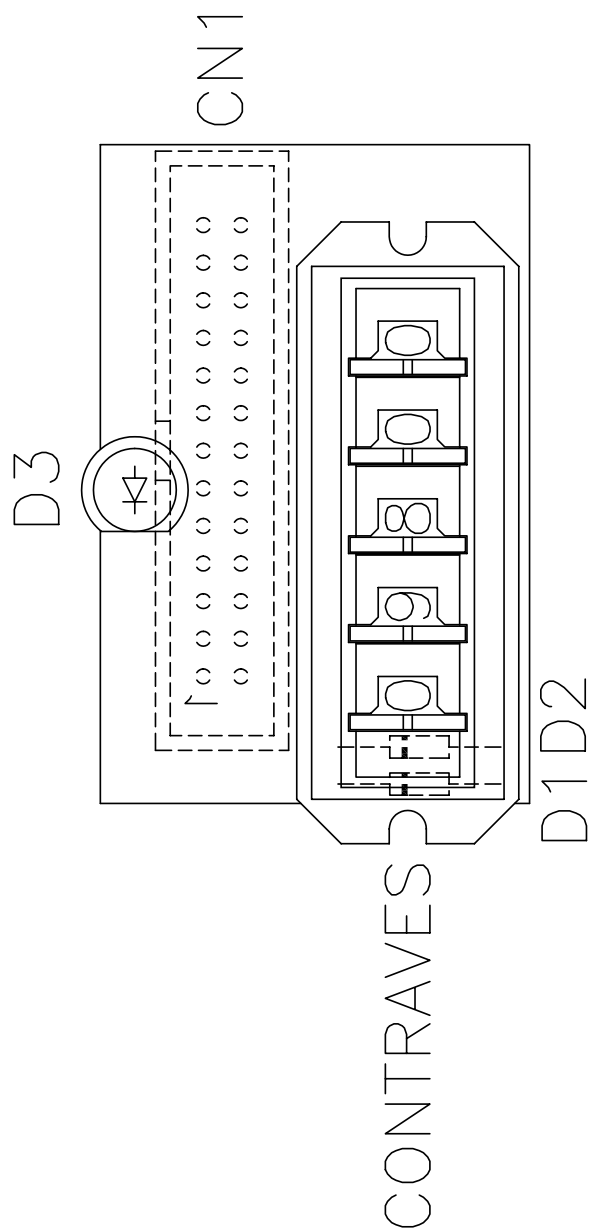
FREQUENCY SELECTOR CARD CIRCUIT DIAGRAM
TSW-3

Revised: October 17, 1994

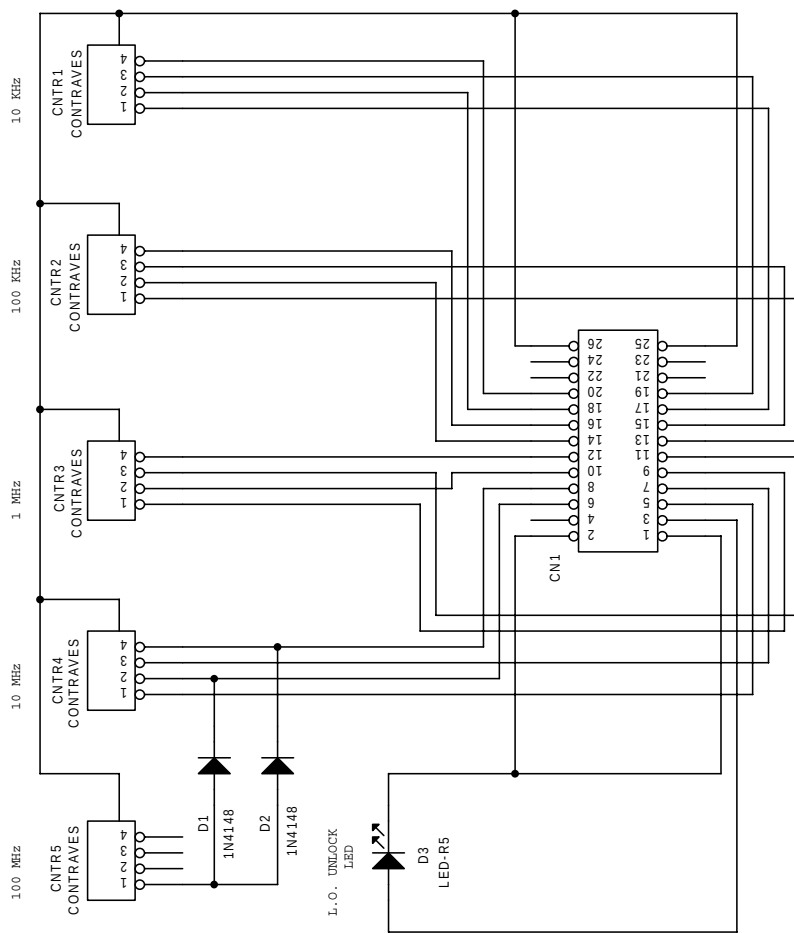
Revision:

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Item CODE	Quantity	Reference	Part	DESCRIPTION	PART ORDER
1	1	CN1	26 PIN CONN.	CONN. M 2*13 P 2.54	CNTMCSFC26P
2	5	CNTR1, CNTR2, CNTR3, CNTR4, CNTR5	CONTRAVES	COMMUTATORI BCD 15mm	COMBCD15
3	2	D1, D2	1N4148	SILICON DIODE	DIS1N4148
4	1	D3	LED-R5	RED LED DIODE	LEDRO05
5	1	U1	27512	65,536 X 8 BIT CMOS EPROM	CID27512



Nome Progetto		TEX100	Pagina	1	di	1	Size	A4
Autore	D'ALESSIO D.		Codice Progetto		/			
Nome PC in Rete	\\JACK\		Data	05/11/01		Nome Parte	CONTRAVES CARD TSV-1	
File/Cartella	MANUAL\TEX100\CONTRAVES\LAYTSV_1.DWG		Revisione	1.0		Codice	CSCONTRAVES	
Scala	/		Autore	/		Profilo	/	



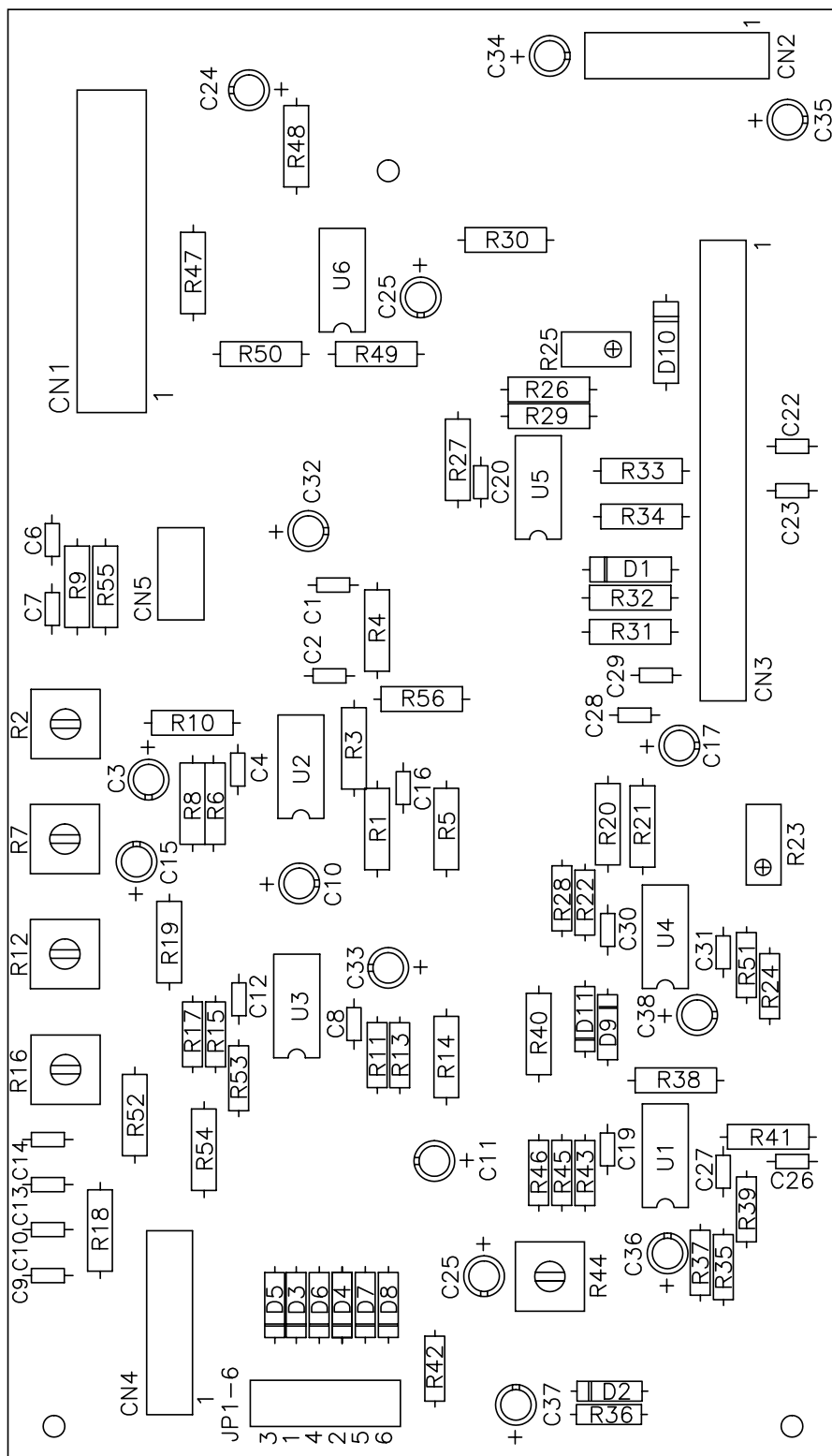
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Autore:	REV.: BERTI J.	Codice Progetto: /		
Nome PC in Rete: \\JACK1		Data: 05/11/01	Revisione: 1.0	Nome Parte: CONTRAVES CARD TSW-1
File/Cartella: MANUALE\TEX100\CONTRAVES\TSW_1.DSN		Autorizzazione: CS CONTRAVES		

CSCONTRAVES

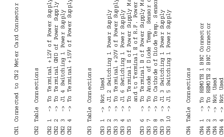
Bill Of Materials

Page 1

Item	Quantity	Reference	Part	DESCRIPTION	PART 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	



Nome Progetto: TEX100		Pagina: 1	di 1	Size: A3
Autore: D'ALESSIO D.	Data: 05/11/01	Codice Progetto: /		
Nome PC in Rete: \\JACK\	Revisione: 1.0	Nome Parte: ALARMS CARD		
File/Carrello: MANUAL\TEX100\ALM\CARD\LAYPROT.DWG	Autore/Revisione:	Codice: CSP100		
Scala: /	Materiale: /	Trattamento: /		
		Profilo: /		



	
Nome Progetto: TEX100	Size: A3
Autore: REV: BERTI J.	Pagina: 1 di 1
Nome PC in Rete: JACK	Grado Progetto: 1
File /Cartella: MANUALE\TEX100\PROT.DSN	Nome Parte: ALARMS CARD
	Autorezzione: CSP100

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 NPO	
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	

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