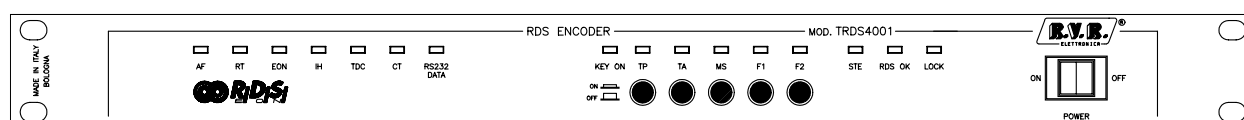

TRDS 4001



User Manual

Manufactured by



Italy



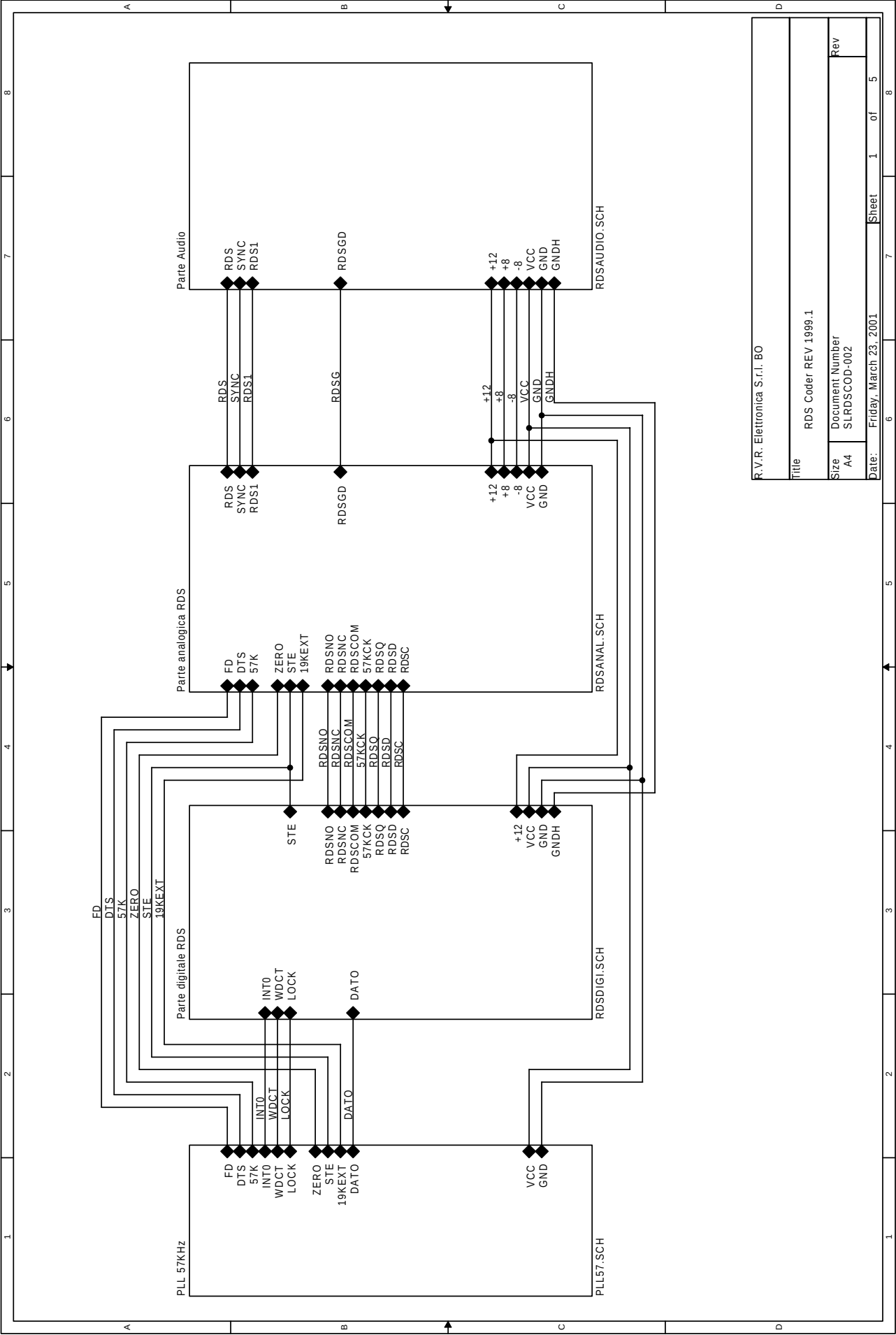
Appendix A Piani di montaggio, schemi elettrici, liste componenti / *Component layouts, schematics, bills of material*

Questa parte del manuale contiene i dettagli tecnici riguardanti la costruzione delle singole schede componenti il TRDS 4001. L'appendice è composta dalle seguenti sezioni:

This part of the manual contains the technical details about the different boards of the TRDS 4001. This appendix is composed of the following sections:

Description	RVR Code	Vers.	Pages
RDS Coder	SLRDSCOD-002	1.0	10
RDS Panel	SLRDSPAN9901	1.1	6
Power Supply	SLPSUP003	1.0	4





R.V.R. Elettronica S.r.l. BO

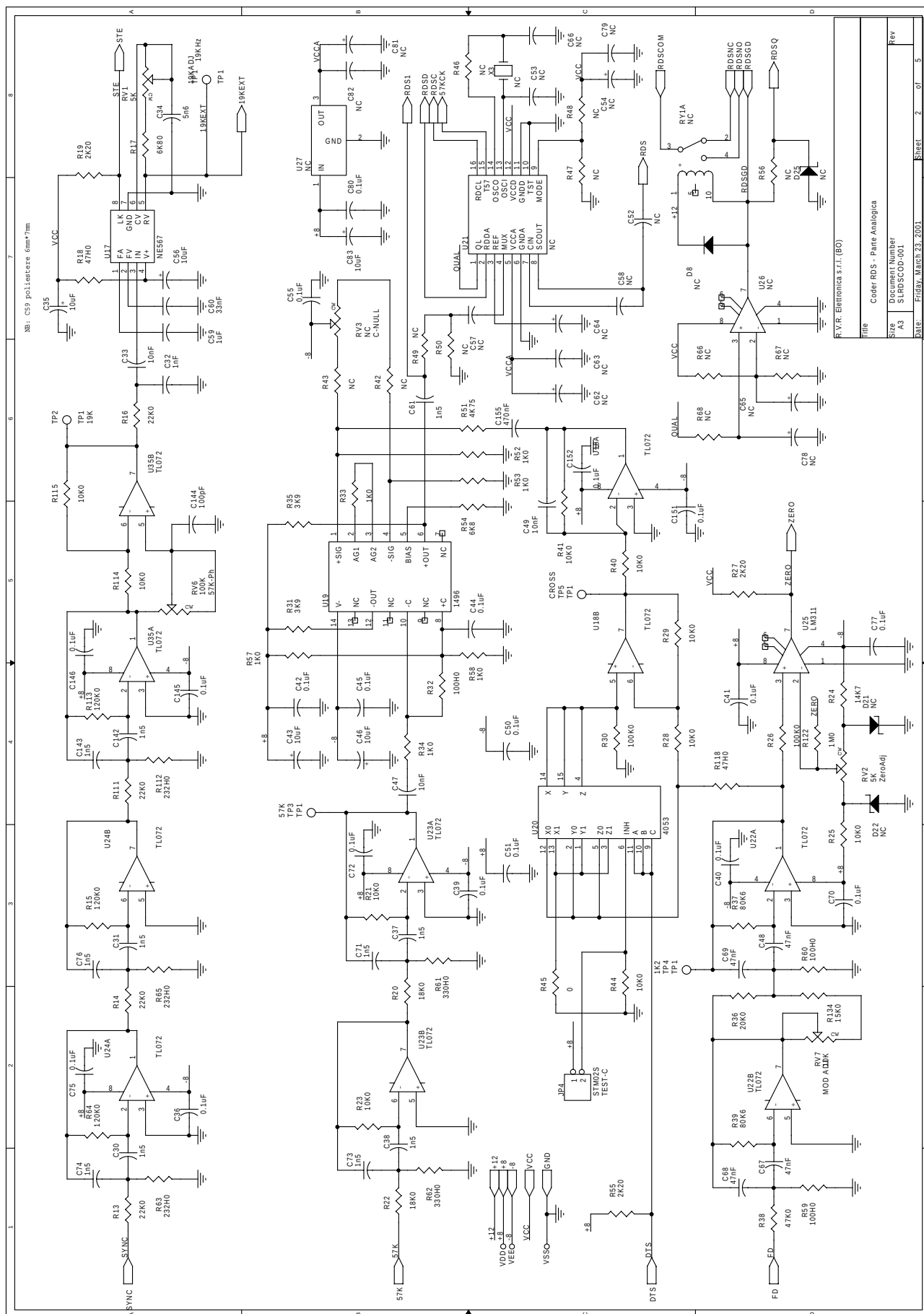
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Size
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Document Number
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Date:
Friday, March 23, 2001

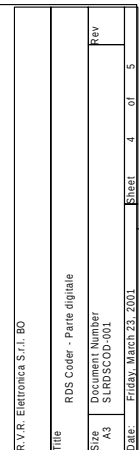
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1 of 5

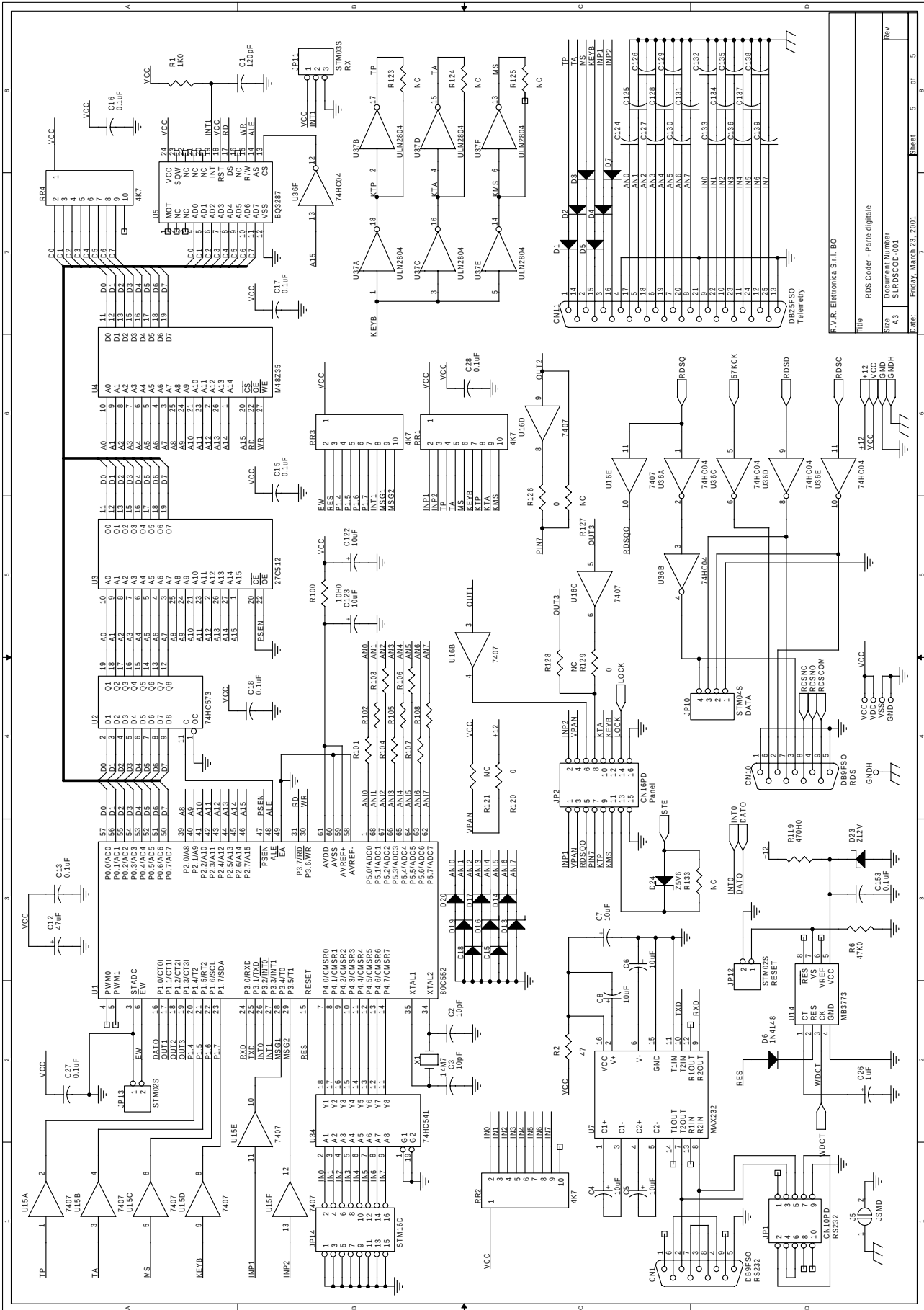


File	Coder RDS - Parte Analogica
Size	Document Number
A3	SLRDSCOD-001
Date:	Friday, March 23, 2001
Sheet	2 of 5



X.V.R. Elettronica s.r.l. (BO)			
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Codice RDS - Parte Audio			
Size	Document Number	Rev	
A3	S/RSDCOD-001		
Date:	Friday, March 23, 2001	Sheet	3 of 5





File	R.V.R. Elettronica S.r.l. BO
RDS Codex - Parite digitale	
Document Number	SLRDSCOD-001
Size	A3
Rev	5
Date	Friday, March 23, 2001
Sheet	5 of 5

SLRDSCOD-002

Bill Of Materials

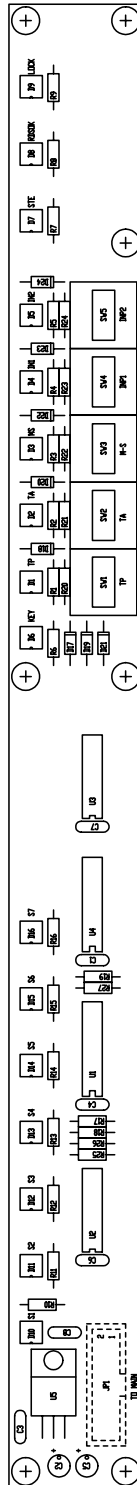
Page1

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1	2	CN1, CN10	DB9FSO
2	5	CN3, CN4, CN5, CN6, CN7	BNC_IS90
3	1	CN8	CN04MR
4	1	CN9	XLRFCs
5	1	CN11	DB25FSO
6	1	C1	120pF
7	3	C2, C3, C154	10pF
8	17	C4, C5, C6, C7, C8, C23, C35, C43, C46, C56, C83, C104, C105, C106, C107, C122, C123	10uF
9	1	C9	68pF
10	1	C10	30pF
11	46	C11, C13, C14, C15, C16, C17, C18, C19, C22, C24, C25, C27, C28, C29, C36, C39, C40, C41, C42, C44, C45, C50, C51, C55, C70, C72, C75, C77, C80, C88, C89, C101, C102, C103, C108, C110, C116, C117, C118, C120, C121, C145, C146, C151, C152, C153	0.1uF
12	1	C12	47uF
13	4	C20, C33, C47, C49	10nF
14	48	RY1, X3, RV3, D8, R11, D11, U21, D21, C21, D22, D25, U26, U27, R42, R43, R46, R47, R48, R49, R50, C52, C53, C54, R56, C57, C58, C62, C63, C64, C65, R66, C66, R67, R68, R73, C78, C79, C81, C82, R121, R123, R124, R125, R127, R128, R133, C147, C148	NC
15	3	C26, C59, C140	1uF
16	13	C30, C31, C37, C38, C61, C71, C73, C74, C76, C142, C143, C156, C157	1n5
17	17	C32, C124, C125, C126, C127, C128, C129, C130, C131, C132, C133, C134, C135, C136, C137, C138, C139	1nF
18	1	C34	5n6
19	4	C48, C67, C68, C69	47nF
20	1	C60	33nF
21	14	C84, C85, C90, C91, C92, C93, C94, C95, C96, C97, C98, C99, C112, C113	27pF
22	1	C86	2n2
23	2	C144, C87	100pF
24	2	C100, C119	22uF
25	4	C109, C114, C115, C155	470nF
26	1	C111	1n0
27	1	C141	150nF
28	2	C149, C150	1000uF
29	1	C158	47pF
30	10	D1, D2, D3, D4, D5, D6, D7, D9,	1N4148

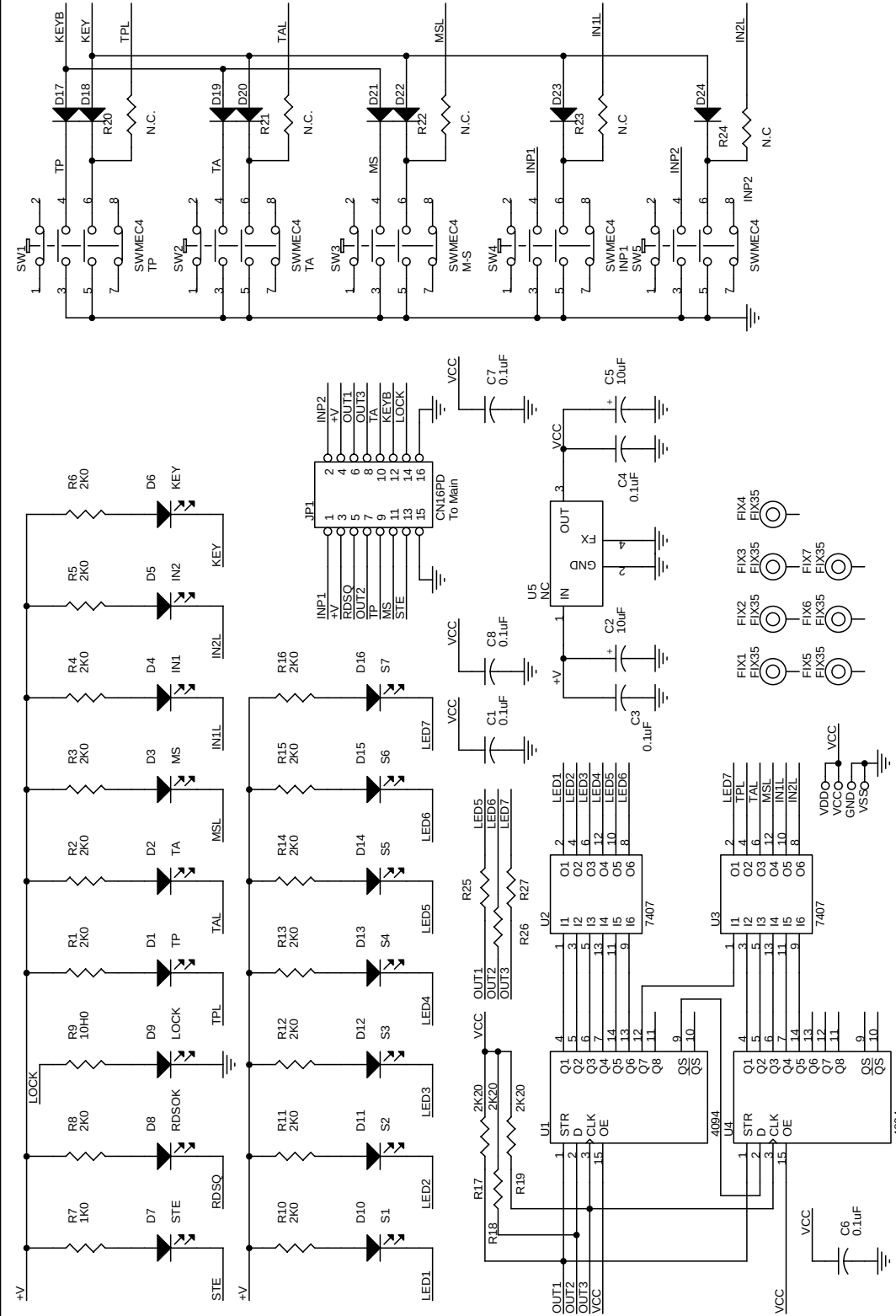
31	8	D10, D12 D13, D14, D15, D16, D17, D18, D19, D20	Z5V1
32	1	D23	Z12V
33	1	D24	Z5V6
34	8	FIX1, FIX2, FIX3, FIX4, FIX5, FIX6, FIX7, FIX8	FIX35
35	1	JP1	CN10PD
36	1	JP2	CN16PD
37	4	JP3, JP7, JP8, JP11	STM03S
38	3	JP4, JP12, JP13	STM02S
39	2	JP5, JP9	STF10S
40	1	JP6	STM06D
41	1	JP10	STM04S
42	1	JP14	STM16D
43	1	J1	JSMDC
44	6	J2, J3, J4, J5, J6, J7	JSMD
45	7	L1, L2, L3, L4, L5, L6, L7	2u2
46	1	PD1	2W10
47	1	Q1	BC547
48	2	RAFF1, RAFF2	RAF220
49	4	RR1, RR2, RR3, RR4	4K7
50	2	RV1, RV2	5K
51	1	RV4	20K
52	1	RV5	1K
53	1	RV6	100K
54	1	RV7	10K
55	3	RY2, RY3, RY4	RLYTQ2_12
56	15	R1, R33, R34, R52, R53, R57, R58, R101, R102, R103, R104, R105, R106, R107, R108	1K0
57	1	R2	47
58	1	R3	33K0
59	5	R4, R13, R14, R16, R111	22K0
60	2	R5, R119	470H0
61	2	R38, R6	47K0
62	6	R7, R32, R59, R60, R82, R89	100H0
63	4	R8, R91, R96, R97	2M20
64	3	R9, R61, R62	330H0
65	2	R10, R93	22K1
66	3	R15, R64, R113	120K0
67	1	R17	6K80
68	2	R18, R118	47H0
69	3	R19, R27, R55	2K20
70	2	R20, R22	18K0
71	20	R21, R23, R25, R28, R29, R40, R41, R44, R72, R74, R81, R83, R85, R86, R94, R114, R115, R130, R131, R132	10K0
72	1	R24	14K7
73	3	R26, R30, R92	100K0
74	2	R31, R35	3K9
75	1	R36	20K0
76	2	R37, R39	80K6
77	4	R45, R120, R126, R129	0
78	1	R51	4K75
79	1	R54	6K8
80	3	R63, R65, R112	232H0
81	1	R69	681
82	1	R70	7K50

83	1	R71	6K98
84	2	R75, R79	51H0
85	3	R76, R80, R95	2K49
86	1	R77	604H0
87	1	R78	47H5
88	1	R84	4K99
89	2	R87, R90	1K33
90	1	R88	316K0
91	1	R98	22H0
92	1	R100	10H0
93	1	R109	390H0
94	2	R110, R122	1M0
95	2	R116, R117	S24V
96	1	R134	15K0
97	1	SW1	SWDIP4H
98	2	SW2, SW3	SWDIP2H
99	9	TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9	TP1
100	1	U1	80C552
101	1	U2	74HC573
102	1	U3	27C512
103	1	U4	M48Z35
104	1	U5	BQ3287
105	2	U6, U36	74HC04
106	1	U7	MAX232
107	1	U8	74HC4060
108	1	U9	74HC02
109	1	U10	74HC163
110	1	U11	74HC4046
111	1	U12	22V10
112	1	U13	74HC74
113	1	U14	MB3773
114	2	U16, U15	7407
115	1	U17	NE567
116	5	U18, U22, U23, U24, U35	TL072
117	1	U19	1496
118	1	U20	4053
119	1	U25	LM311
120	2	U29, U28	TL074
121	1	U30	7808
122	1	U31	7805
123	1	U33	7908
124	1	U34	74HC541
125	1	U37	ULN2804
126	1	X1	14M7
127	1	X2	4M864

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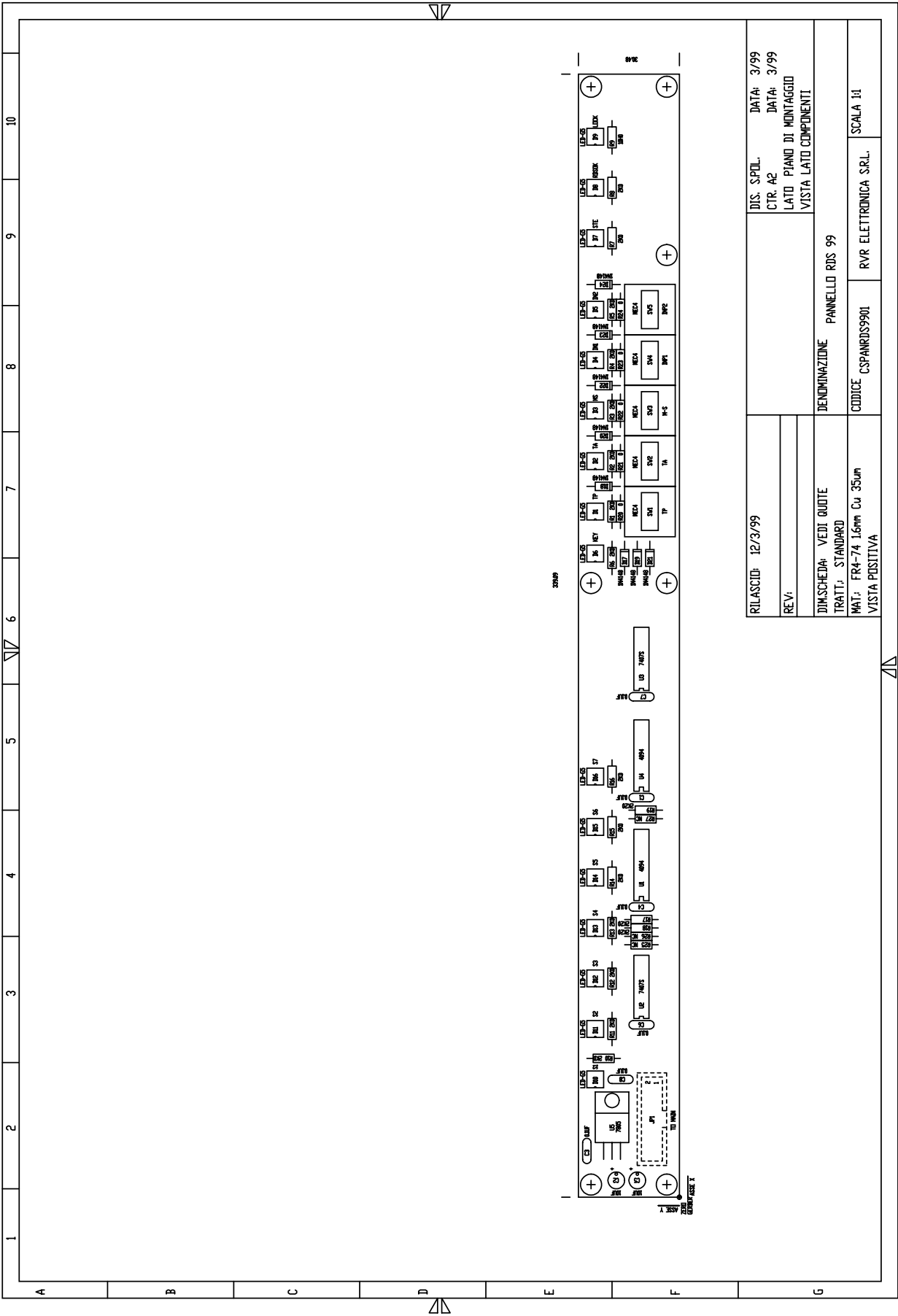


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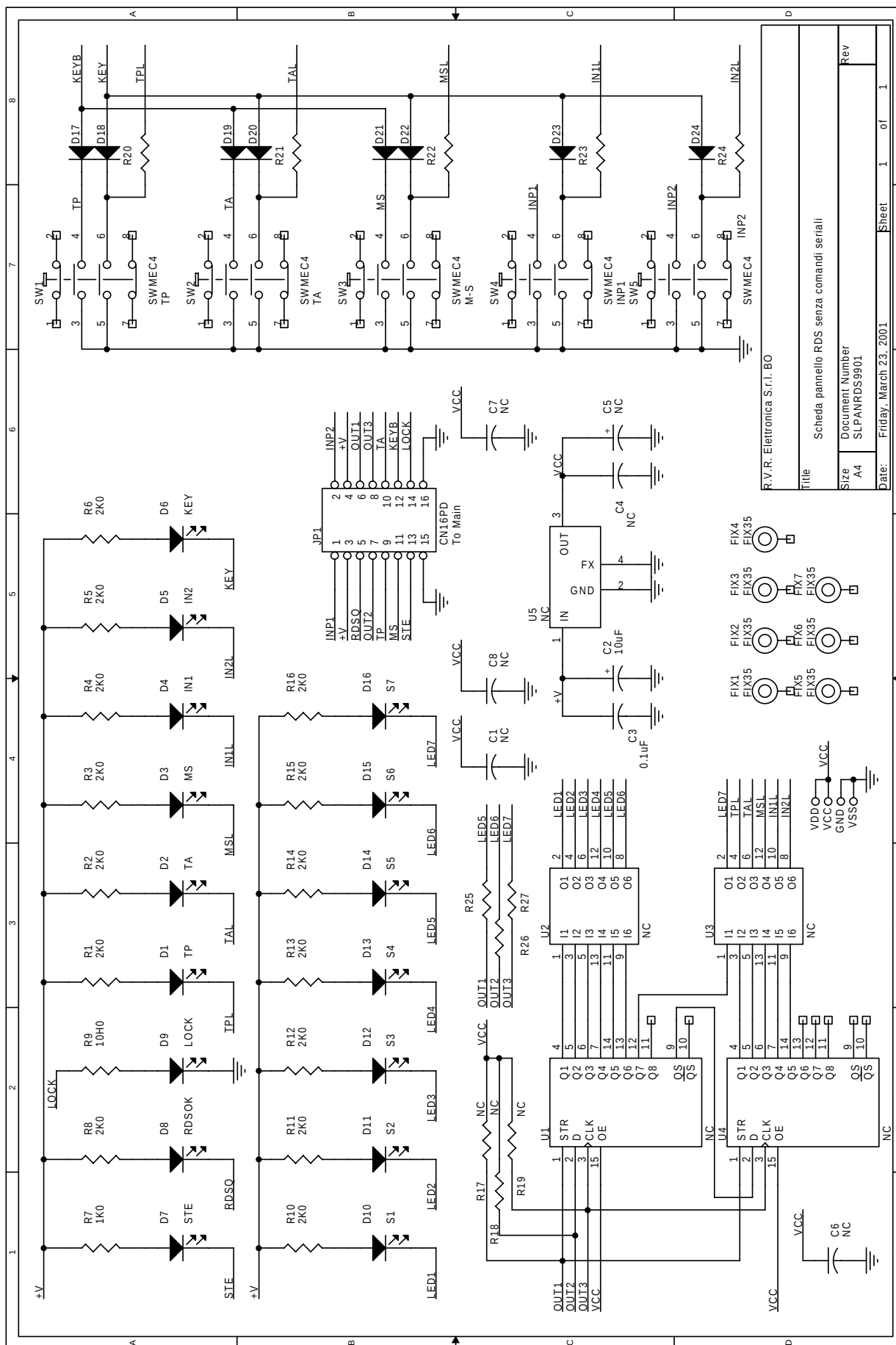
SLPANRDS9901 Bill Of Materials Page1

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3	16	D1,D2,D3,D4,D5,D6,D7,D8, D9,D10,D11,D12,D13,D14, D15,D16	LED-G5
4	8	D17,D18,D19,D20,D21,D22, D23,D24	1N4148
5	7	FIX1, FIX2, FIX3, FIX4, FIX5, FIX6, FIX7	FIX35
6	1	JP1	CN16PD
7	14	R1,R2,R3,R4,R5,R6,R8,R10, R11,R12,R13,R14,R15,R16	2K0
8	1	R7	1K0
9	1	R9	10H0
10	3	R17,R18,R19	2K20
11	3	R20,R21,R22	N.C.
12	2	R23,R24	N.C
13	4	U5,R25,R26,R27	NC
14	5	SW1,SW2,SW3,SW4,SW5	SWMEC4
15	2	U1,U4	4094
16	2	U2,U3	7407



Versione precedente, solo per riferimento
Former version, for reference only



Versione precedente, solo per riferimento

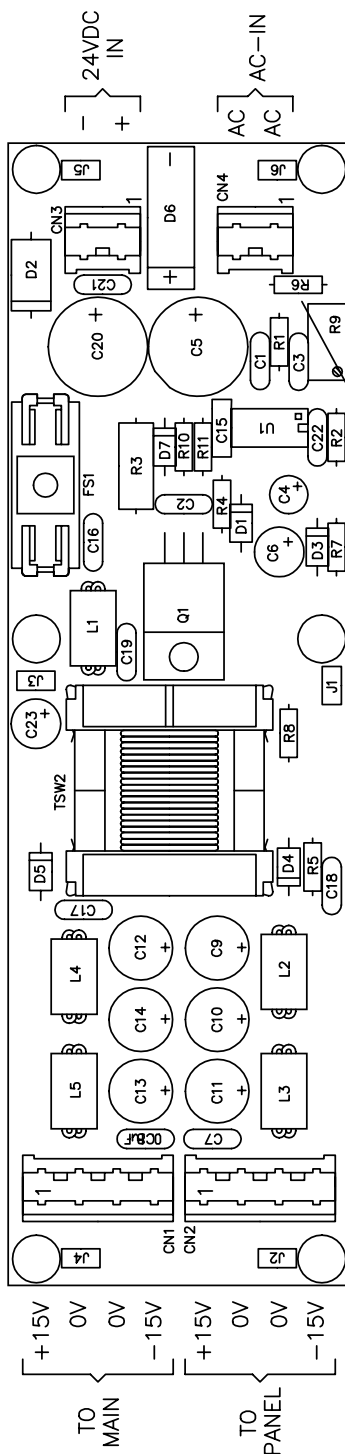
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SLPANRDS9901

Bill of Materials

Page1

Item	Qty	Reference	Part
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3	1	C3	0.1uF
4	16	D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16	LED-G5
5	8	D17, D18, D19, D20, D21, D22, D23, D24	1N4148
6	7	FIX1, FIX2, FIX3, FIX4, FIX5, FIX6, FIX7	FIX35
7	1	JP1	CN16PD
8	14	R1, R2, R3, R4, R5, R6, R8, R10, R11, R12, R13, R14, R15, R16	2K0
9	1	R7	1K0
10	1	R9	10H0
11	5	R20, R21, R22, R23, R24	0
12	5	SW1, SW2, SW3, SW4, SW5	SWMEC4



DENOMINAZIONE
Power Supply Component Layout / Piano di Montaggio
DISPOSITIVO

SEMILAVORATO

MATERIALE

TRATTAMENTO

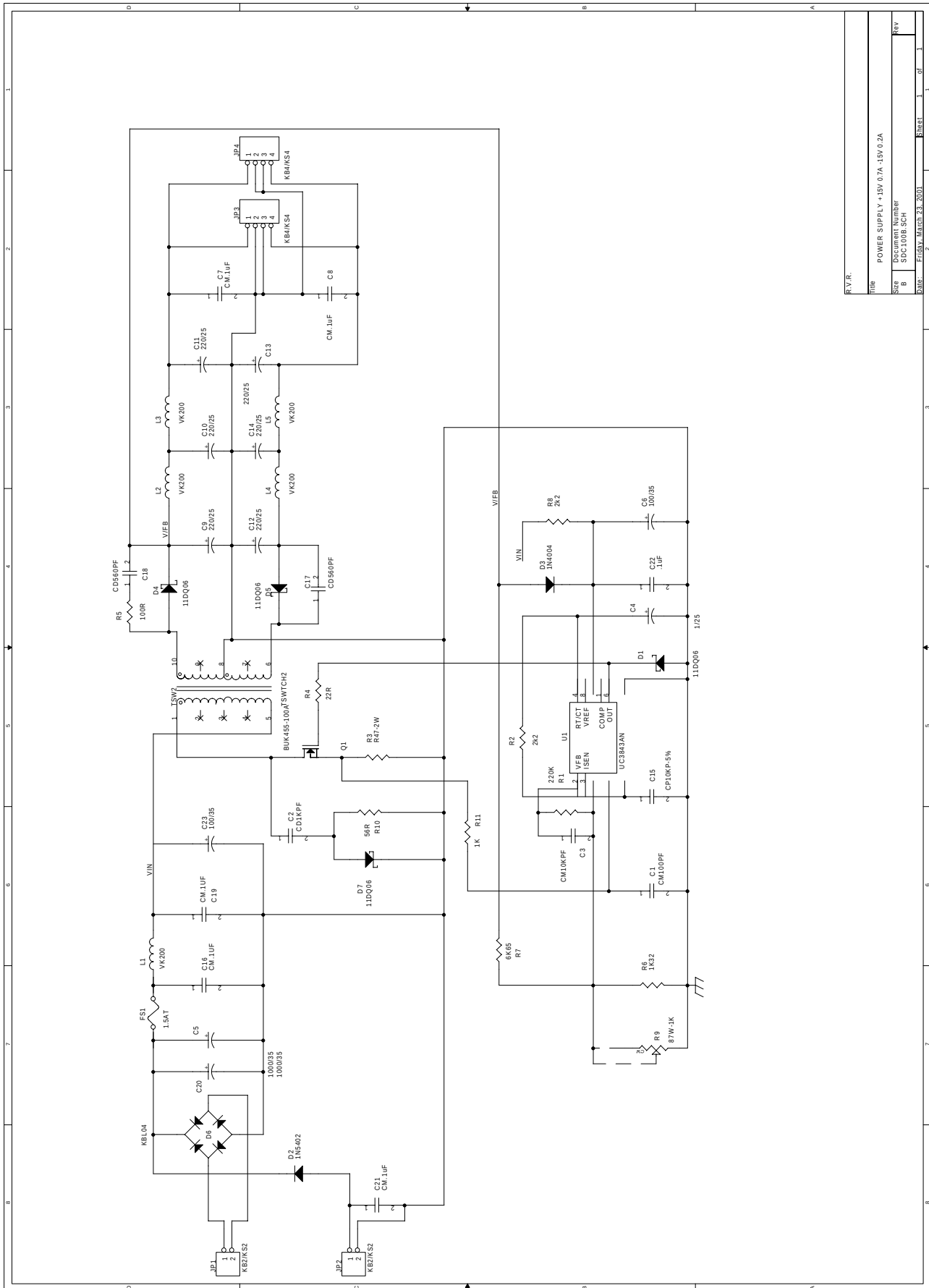
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Bill Of Materials

Page1

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1	1	C1	CM100PF
2	1	C2	CD1KPF
3	1	C3	CM10KPF
4	1	C4	1/25
5	2	C5, C20	1000/35
6	2	C6, C23	100/35
7	5	C7, C8, C16, C19, C21	CM.1uF
8	6	C9, C10, C11, C12, C13, C14	220/25
9	1	C15	CP10KP-5%
10	2	C17, C18	CD560PF
11	1	C22	.1uF
12	4	D1, D4, D5, D7	11DQ06
13	1	D2	1N5402
14	1	D3	1N4004
15	1	D6	KBL04
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17	2	JP1, JP2	KB2/KS2
18	2	JP3, JP4	KB4/KS4
19	5	L1, L2, L3, L4, L5	VK200
20	1	Q1	BUK455-100A
21	1	R1	220K
22	2	R2, R8	2k2
23	1	R3	R47-2W
24	1	R4	22R
25	1	R5	100R
26	1	R6	1K32
27	1	R7	6K65
28	1	R9	87W-1K
29	1	R10	56R
30	1	R11	1K
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