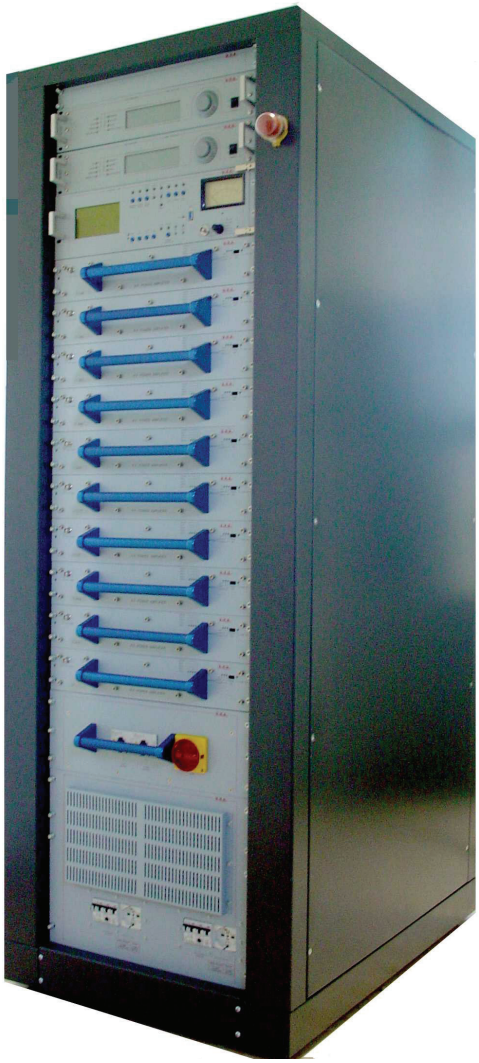
PJ10KPS-C



User Manuals

Volum 2: Technical Appendix

Manufactured by R.V.R. ELETTRONICA Italy

TECHNICAL APPENDIX:

Component layouts, Schematics, Bills of material

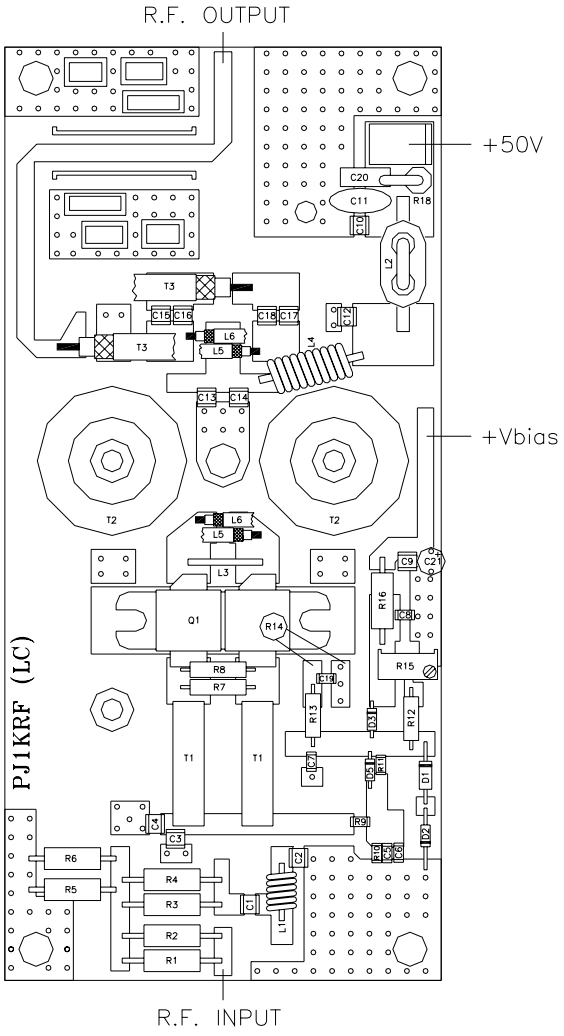
This part of the manual contains the technical details about the different boards of the PJ10KPS-C.

This appendix is composed of the following sections:

R.F. MODULE

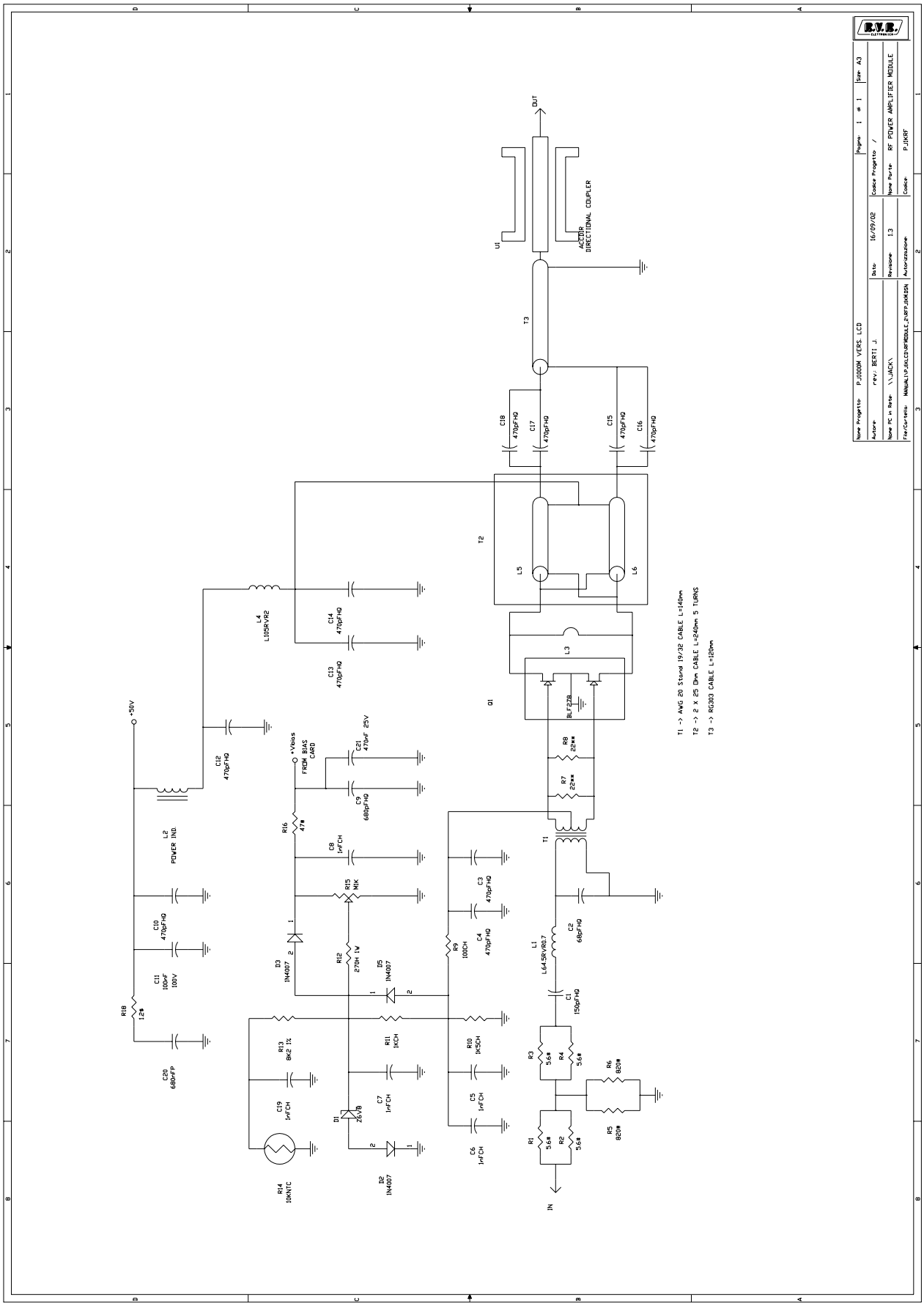
SLRFPJ1KM

LAYOUTS



Nome Progetto: PJ1000M LCD				Pagina: 1 di 1	Size: A4
Autore: D'ALESSIO D. - REV.: BERTI J.		Data: 16/09/02		Codice Progetto: /	
Nome PC in Rete: \\JACK\		Revisione: 1.2		Nome Parte: R.F. POWER AMPLIFIER MODULE LAYOUT	
File/Cartella: MANUALI\PJ1KLCD\RFMODULE_2\LAYRF.DWG		Autorizzazione:		Codice: PJ1KRF	
Scala: 1:1	Materiale: /	Trattamento: /		Profilo: /	

SCHEMATICS


DUT
ACCDIR DIRECTIONAL COUPLER
+50V
+Vbias FROM BIAS CARD
T1 -> AWG 20 Stand 19/32 CABLE L=140mm
T2 -> 2 X 25 Ohm CABLE L=240mm 5 TURNS
T3 -> RG303 CABLE L=120mm
IN

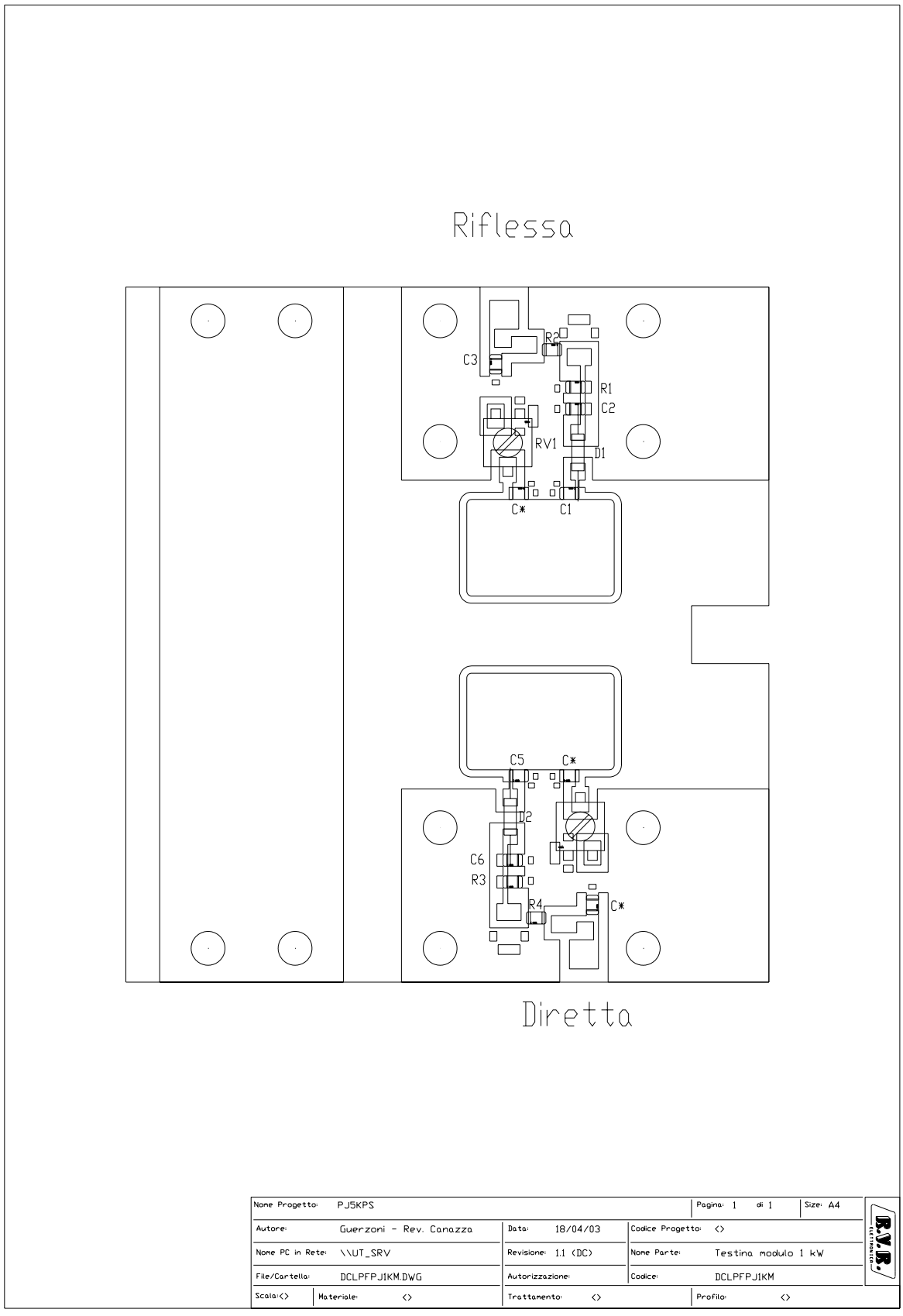
BILLS OF MATERIAL

Item	Quantity	Reference	Part
1	2	L6, L5	
2	1	C1	150pFHQ
3	1	C2	68pFHQ
4	10	C3,C4,C10,C12,C13,C14, C15,C16,C17,C18	470pFHQ
5	5	C5,C6,C7,C8,C19	1nFCH
6	1	C9	680pFHQ
7	1	C11	100nF
8	1	C20	680nFP
9	1	C21	470nF 25V
10	1	D1	Z6V8
11	3	D2,D3,D5	1N4007
12	1	L1	L64.5RVR0.7
13	1	L2	POWER IND.
14	1	L3	BU6012RVR2
15	1	L4	L105RVR2
16	1	Q1	BLF278
17	4	R1,R2,R3,R4	5.6#
18	2	R5,R6	820#
19	2	R8,R7	22**
20	1	R9	100CH
21	1	R10	1K5CH
22	1	R11	1KCH
23	1	R12	270H 1W
24	1	R13	8K2 1%
25	1	R14	10KNTC
26	1	R15	M1K
27	1	R16	47#
28	1	R18	1.2$
29	1	T1	4:1
30	1	T3	RG303
31	1	U1	ACCDIR

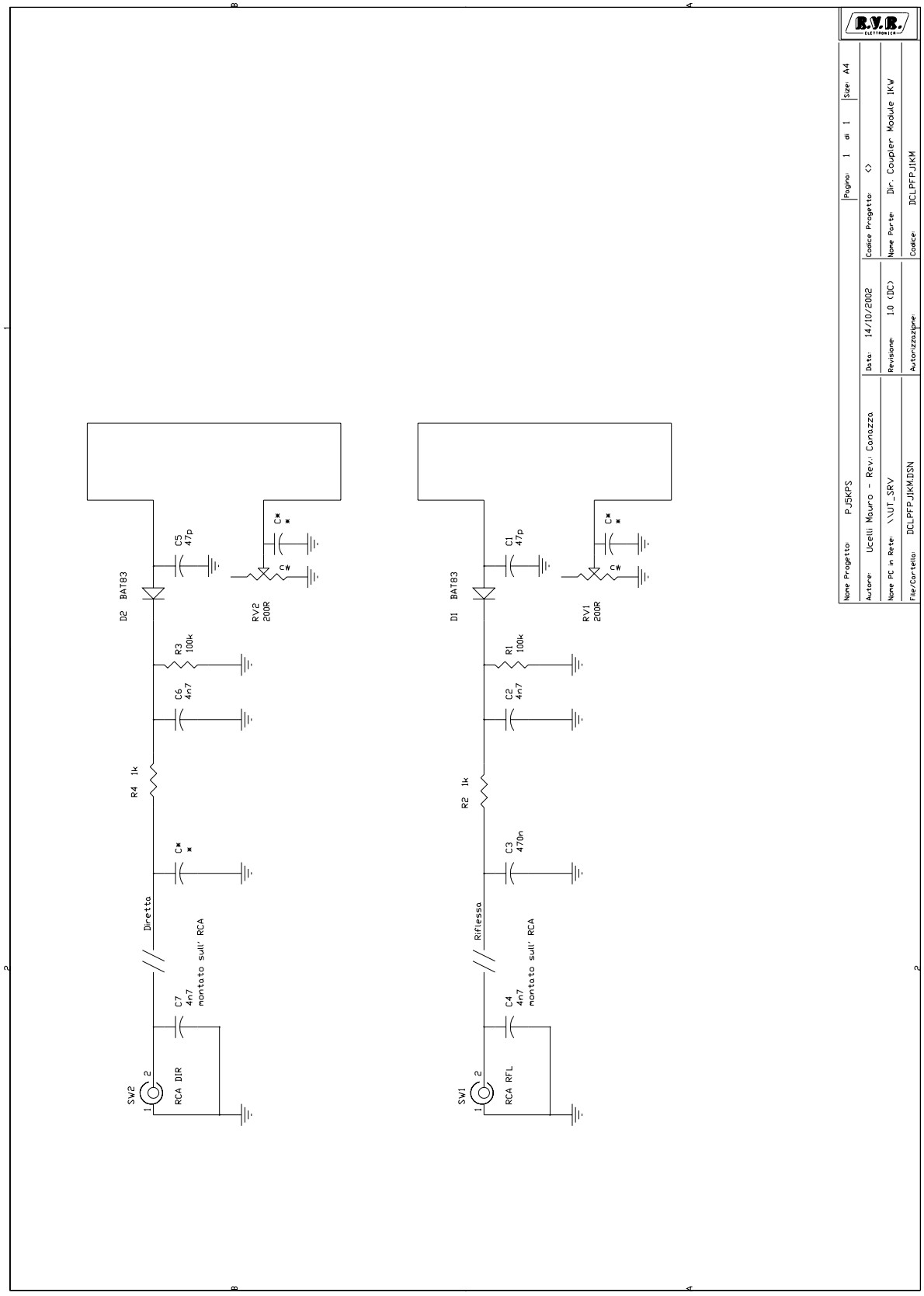
R.F. MODULE DIRECTIONAL COUPLER

SLDCLPFPJ1KM

LAYOUTS



SCHEMATICS


Nome Progetto: PJSKPS
Pagina: 1 di 1
Size: A4
Autore: Ucelli Mauro - Rev.: Conazza
Data: 14/10/2002
Codice Progetto: <>
Nome PC in Rete: \\UT_SRV
Revisione: 1.0 (DC)
Nome Parte: Dir. Coupler Module 1KW
File/Cartella: DCLPFP_JKM.DSN
Autorizzazione:
Codice: DCLPFP_JKM
D2 BAT83
C5 47p
C* *
C* W
RV2 200R
R3 100k
C6 4n7
R4 1k
C* *
Diretta
C7 4n7 montato sull' RCA
SW2
RCA DIR
D1 BAT83
C1 47p
C* *
C* W
RV1 200R
R1 100k
C2 4n7
R2 1k
C3 470n
Riflessa
C4 4n7 montato sull' RCA
SW1
RCA RFL

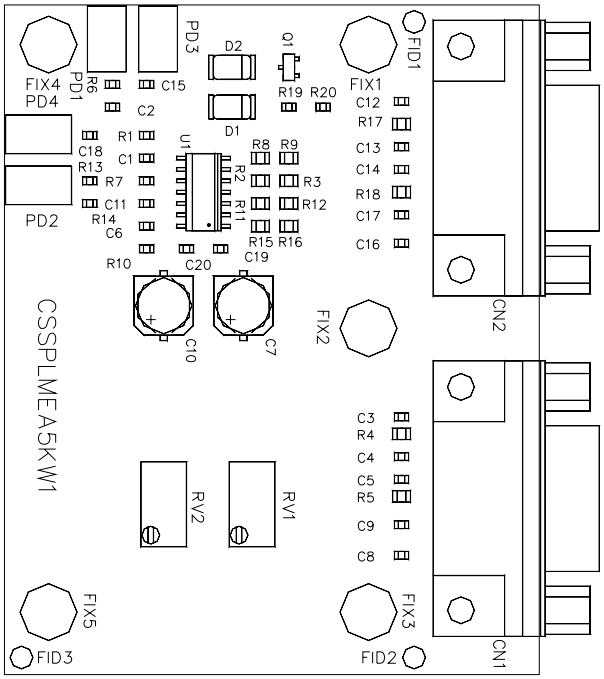
BILLS OF MATERIAL

Item	Quantity	Reference	Part
1	1	C*	*
2	2	C5,C1	47p
3	4	C2,C4,C6,C7	4n7
4	1	C3	470n
5	2	D2,D1	BAT83
6	2	RV2,RV1	200R
7	2	R3,R1	100k
8	2	R2,R4	1k
9	1	SW1	RCA RFL
10	1	SW2	RCA DIR

SPLITTER MEASUREMENT BOARD

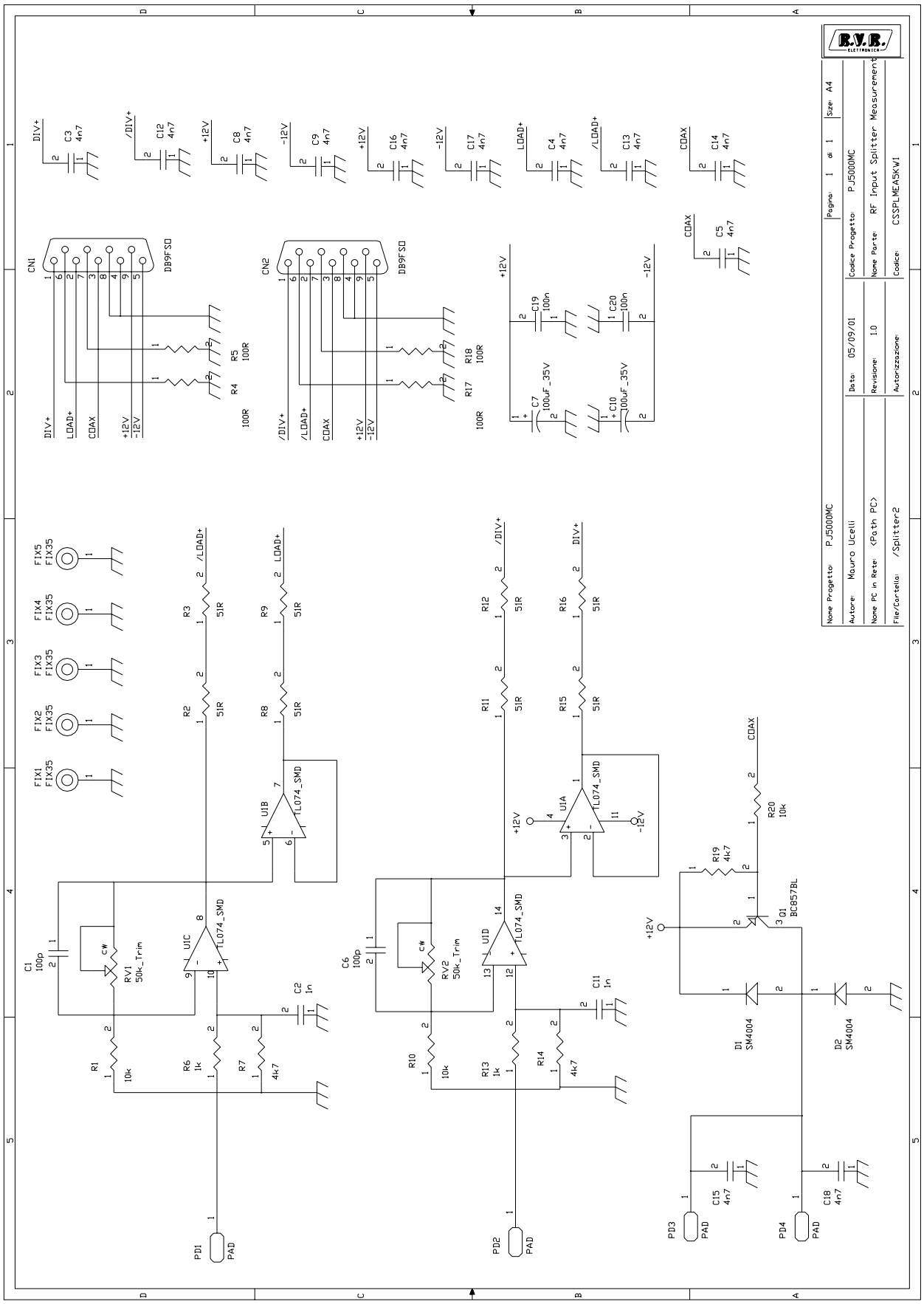
SLSPLMEA5KW1

LAYOUTS



Nome Progetto:	PJ5KPS – Scheda misure splitter			Pagina: 1 di 1	Size: A4
Autore:	Ucelli – Rev.: Canazza	Data:	14/10/2002	Codice Progetto:	<>
Nome PC in Rete:	\\UT_SRV	Revisione:	1.0 (DC)	Nome Parte:	Scheda misure input splitter
File/Cartella:	SPLITLY.DWG	Autorizzazione:		Codice:	SLSPLMEA5KW1
Scala: 1:1	Materiale: <>	Trattamento:	<>	Profilo:	<>

SCHEMATICS


R.V.R. ELETTRONICA
Nome Progetto: PJ5000MC
Autore: Mauro Ucelli
Nome PC in Rete: <Path PC>
File/Cartella: /Splitter2
Pagina: 1 di 1
Size: A4
Codice Progetto: PJ5000MC
Nome Parte: RF Input Splitter Measurement
Codice: CSSPLMEASKW1
Data: 05/09/01
Revisione: 1.0
Autorizzazione:
CN1
CN2
DB9FSD
TL074_SMD
RV1 50k_Trim
RV2 50k_Trim
D1 SM4004
D2 SM4004
Q1 BC857BL
PAD

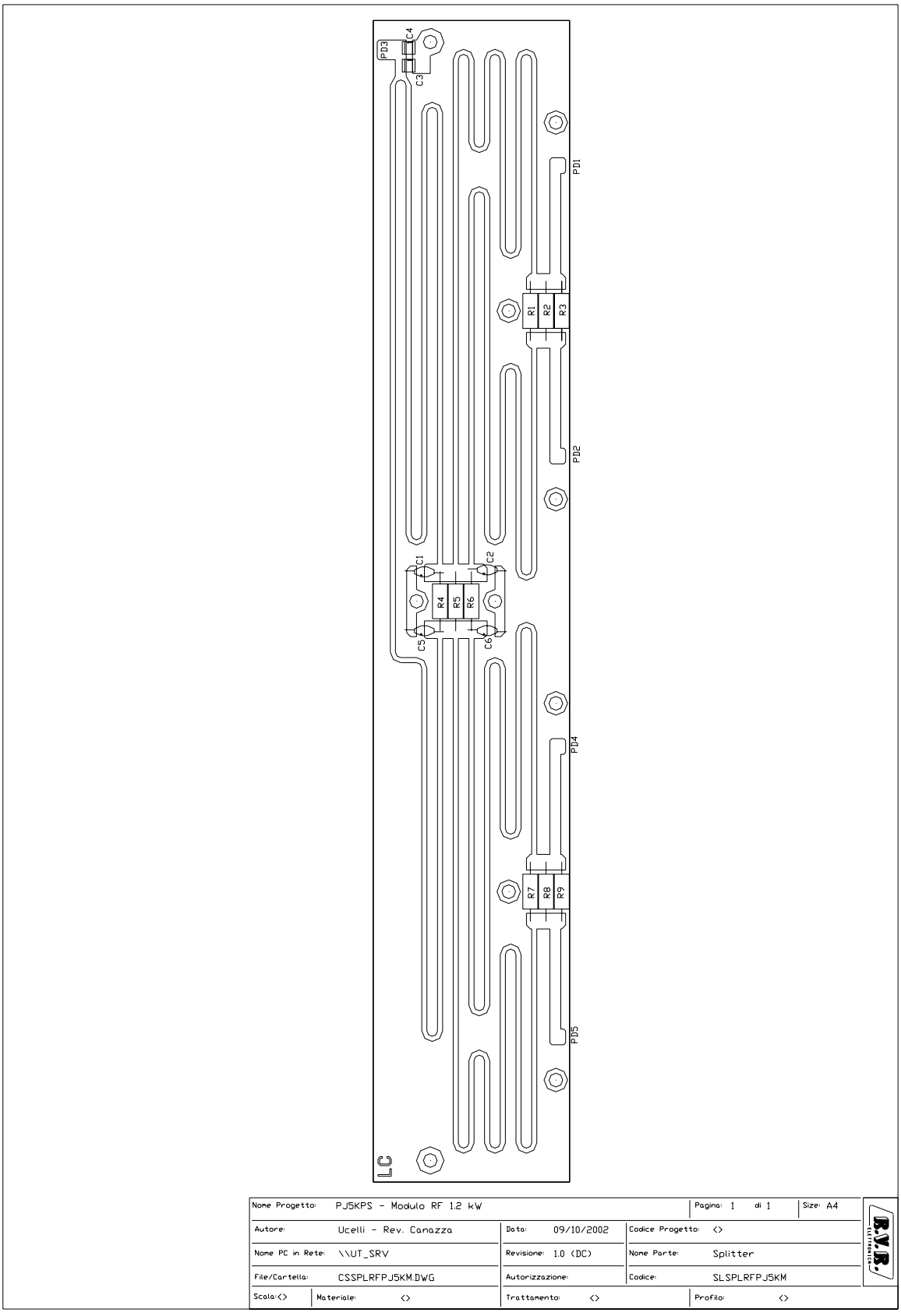
BILLS OF MATERIAL

Item	Quantity	Reference	Part
1	2	CN2,CN1	DB9FSO
2	2	C6,C1	100p
3	2	C11,C2	1n
4	12	C3,C4,C5,C8,C9,C12,C13, C14,C15,C16,C17,C18	4n7
5	2	C7,C10	100uF_35V
6	2	C19,C20	100n
7	2	D1,D2	SM4004
8	5	FIX1,FIX2,FIX3,FIX4,FIX5	FIX35
9	4	PD1,PD2,PD3,PD4	PAD
10	1	Q1	BC857BL
11	2	RV2,RV1	50k_Trim
12	3	R1,R10,R20	10k
13	8	R2,R3,R8,R9,R11,R12,R15, R16	51R
14	4	R4,R5,R17,R18	100R
15	2	R13,R6	1k
16	3	R7,R14,R19	4k7
17	1	U1	TL074_SMD

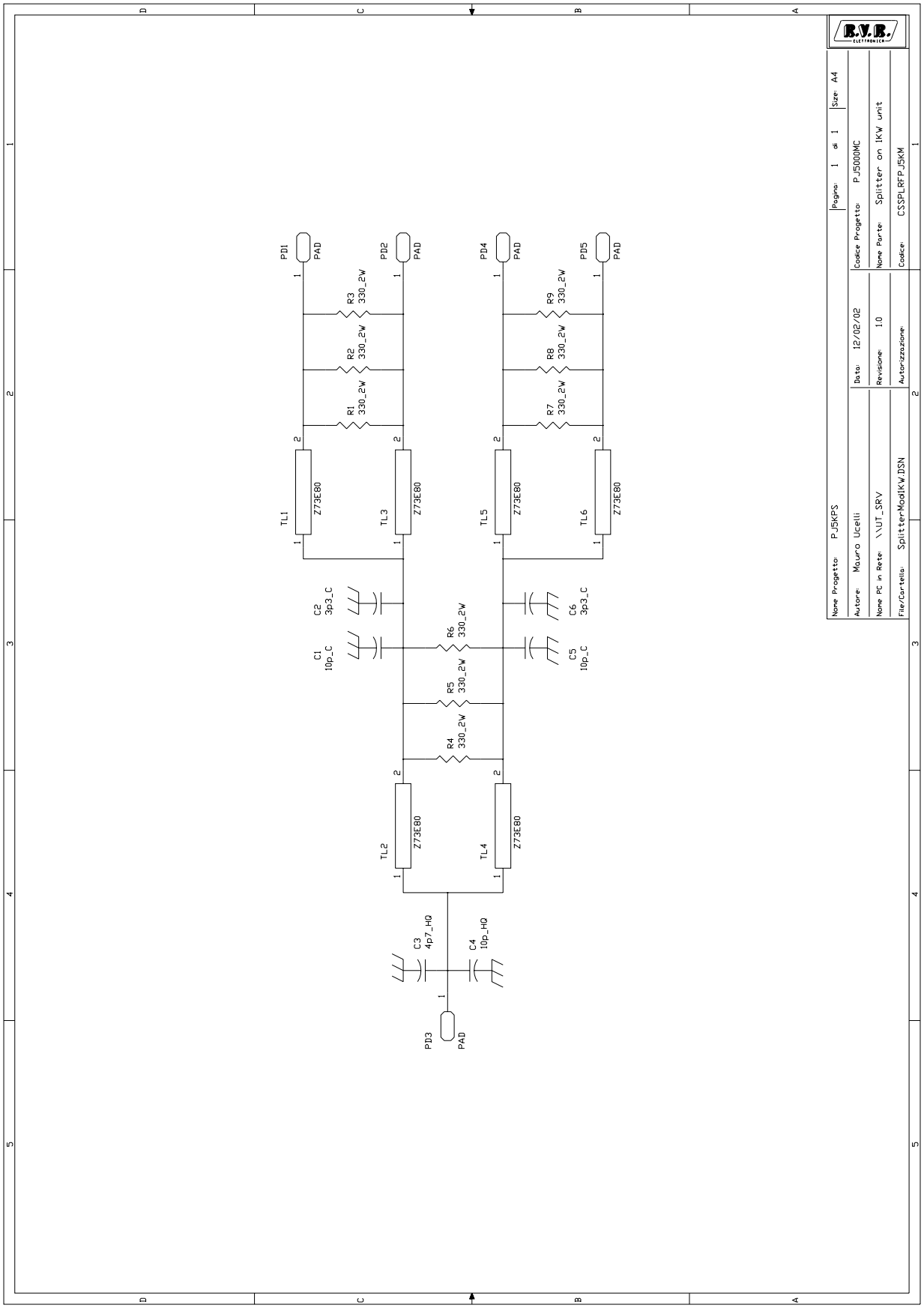
R.F. MODULE SPLITTER

SLSPLRFPJ5KM

LAYOUTS



SCHEMATICS


PD1
PAD
PD2
PAD
PD4
PAD
PD5
PAD
R3 330_2W
R2 330_2W
R1 330_2W
R9 330_2W
R8 330_2W
R7 330_2W
TL1 Z73E80
TL3 Z73E80
TL5 Z73E80
TL6 Z73E80
C2 3p3_C
C1 10p_C
R6 330_2W
R5 330_2W
R4 330_2W
C6 3p3_C
C5 10p_C
TL2 Z73E80
TL4 Z73E80
C3 4p7_HQ
C4 10p_HQ
PD3
PAD
Nome Progetto: PJ5KPS
Autore: Mauro Ucelli
Nome PC in Rete: \\UT_SRV
File/Cartella: SplitterModIKW.DSN
Pagina: 1 di 1
Size: A4
Data: 12/02/02
Revisione: 1.0
Autorizzazione:
Codice Progetto: PJ5000MC
Nome Parte: Splitter on 1KW unit
Codice: CSSPLRFPJ5KM

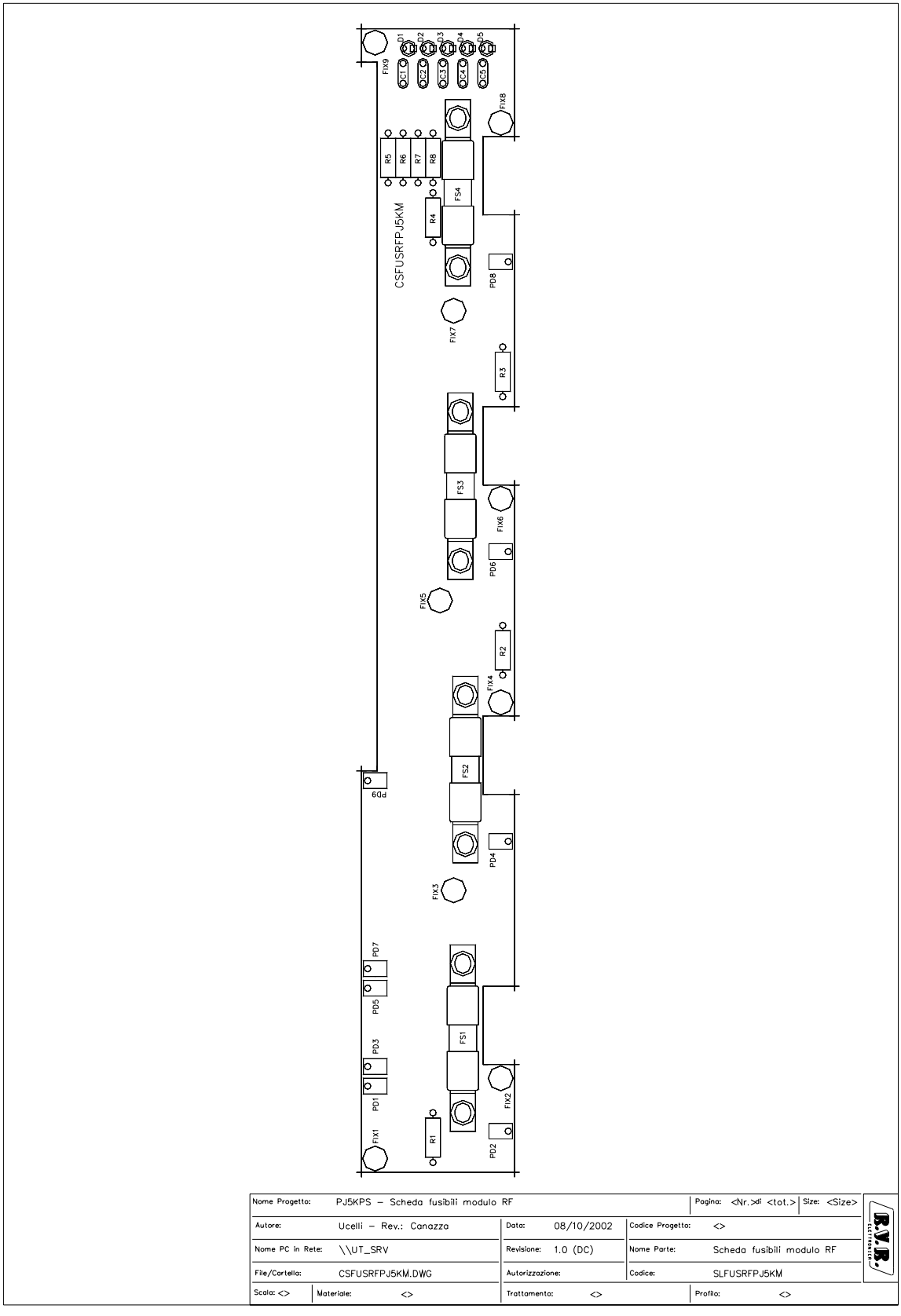
BILLS OF MATERIAL

Item	Quantity	Reference	Part
2	2	C6,C2	3p3_C
3	1	C3	4p7_HQ
4	1	C4	10p_HQ
5	5	PD1,PD2,PD3,PD4,PD5	PAD
6	9	R1,R2,R3,R4,R5,R6,R7,R8, R9	330_2W
7	6	TL1,TL2,TL3,TL4,TL5,TL6	Z73E80

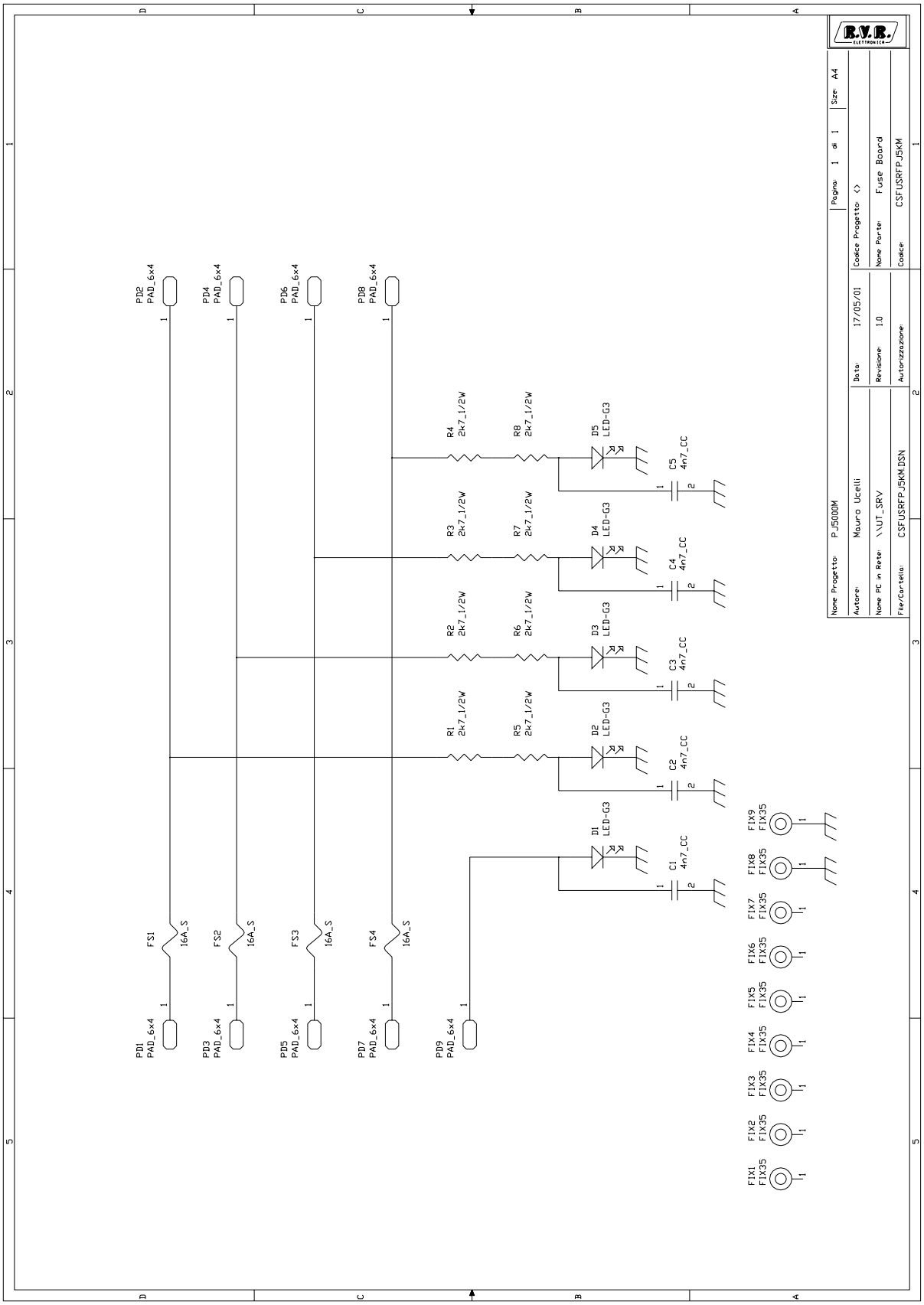
R.F. MODULE FUSE BOARD

SLFUSRFPJ5KM

LAYOUTS



SCHEMATICS


R.V.R. ELETTRONICA
Nome Progetto: PJ5000M
Autore: Mauro Ucelli
Nome PC in Rete: \\UT_SRV
File/Cartella: CSF\USRFP_J5KM.DSN
Data: 17/05/01
Revisione: 1.0
Autorizzazione:
Pagina 1 di 1
Size: A4
Codice Progetto: <>
Nome Parte: Fuse Board
Codice: CSF\USRFP_J5KM
PD1 PAD_6x4
PD2 PAD_6x4
PD3 PAD_6x4
PD4 PAD_6x4
PD5 PAD_6x4
PD6 PAD_6x4
PD7 PAD_6x4
PD8 PAD_6x4
PD9 PAD_6x4
FS1 16A_S
FS2 16A_S
FS3 16A_S
FS4 16A_S
R1 2k7_1/2W
R2 2k7_1/2W
R3 2k7_1/2W
R4 2k7_1/2W
R5 2k7_1/2W
R6 2k7_1/2W
R7 2k7_1/2W
R8 2k7_1/2W
D1 LED-G3
D2 LED-G3
D3 LED-G3
D4 LED-G3
D5 LED-G3
C1 4n7_CC
C2 4n7_CC
C3 4n7_CC
C4 4n7_CC
C5 4n7_CC
FIX1 FIX35
FIX2 FIX35
FIX3 FIX35
FIX4 FIX35
FIX5 FIX35
FIX6 FIX35
FIX7 FIX35
FIX8 FIX35
FIX9 FIX35

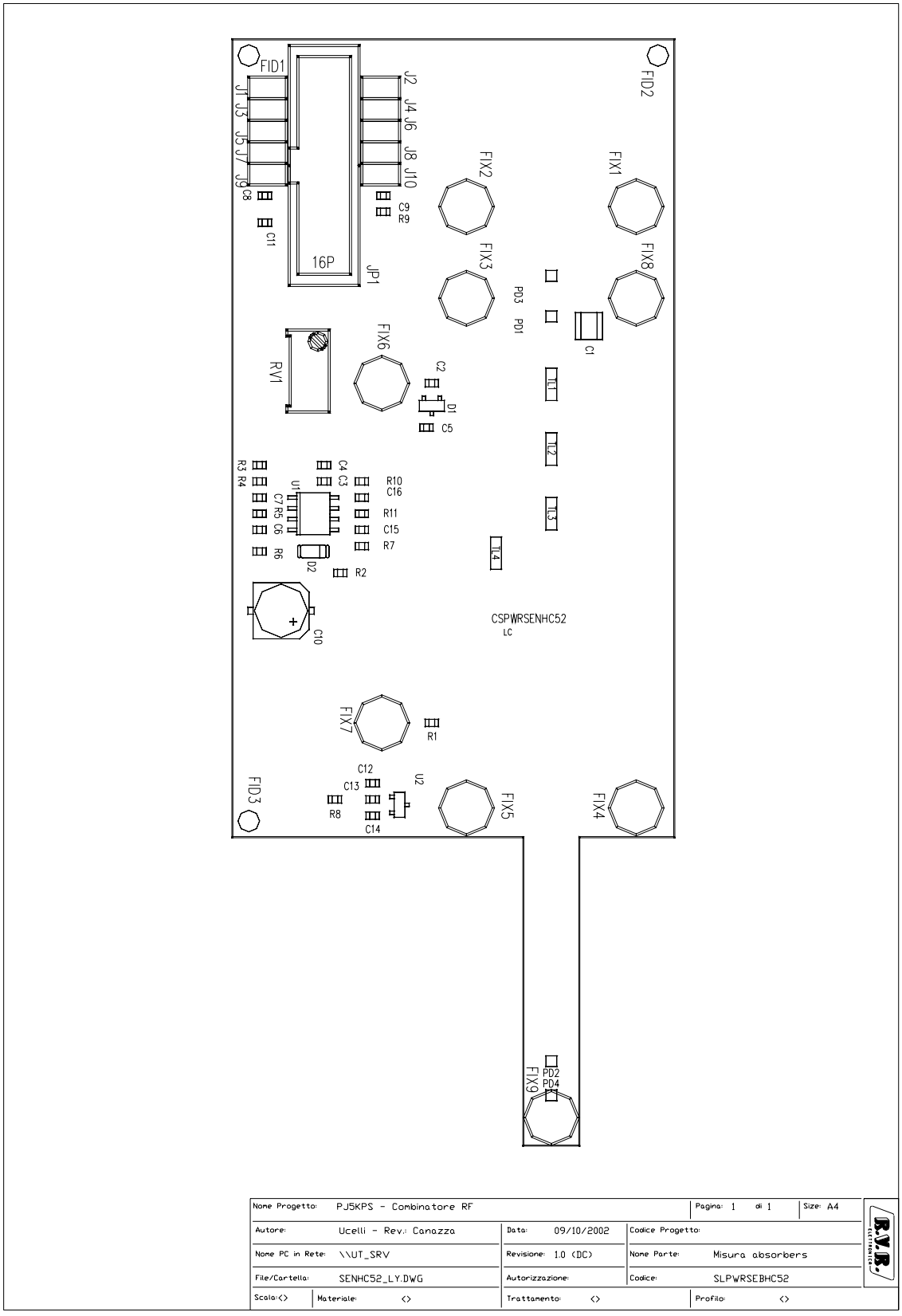
BILLS OF MATERIAL

Item	Quantity	Reference	Part
1	5	C1,C2,C3,C4,C5	4n7_CC
2	5	D1,D2,D3,D4,D5	LED-G3
3	9	FIX1,FIX2,FIX3,FIX4,FIX5, FIX6,FIX7,FIX8,FIX9	FIX35
4	4	FS1,FS2,FS3,FS4	16A_S
5	9	PD1,PD2,PD3,PD4,PD5,PD6, PD7,PD8,PD9	PAD_6x4
6	8	R1,R2,R3,R4,R5,R6,R7,R8	2k7_1/2W

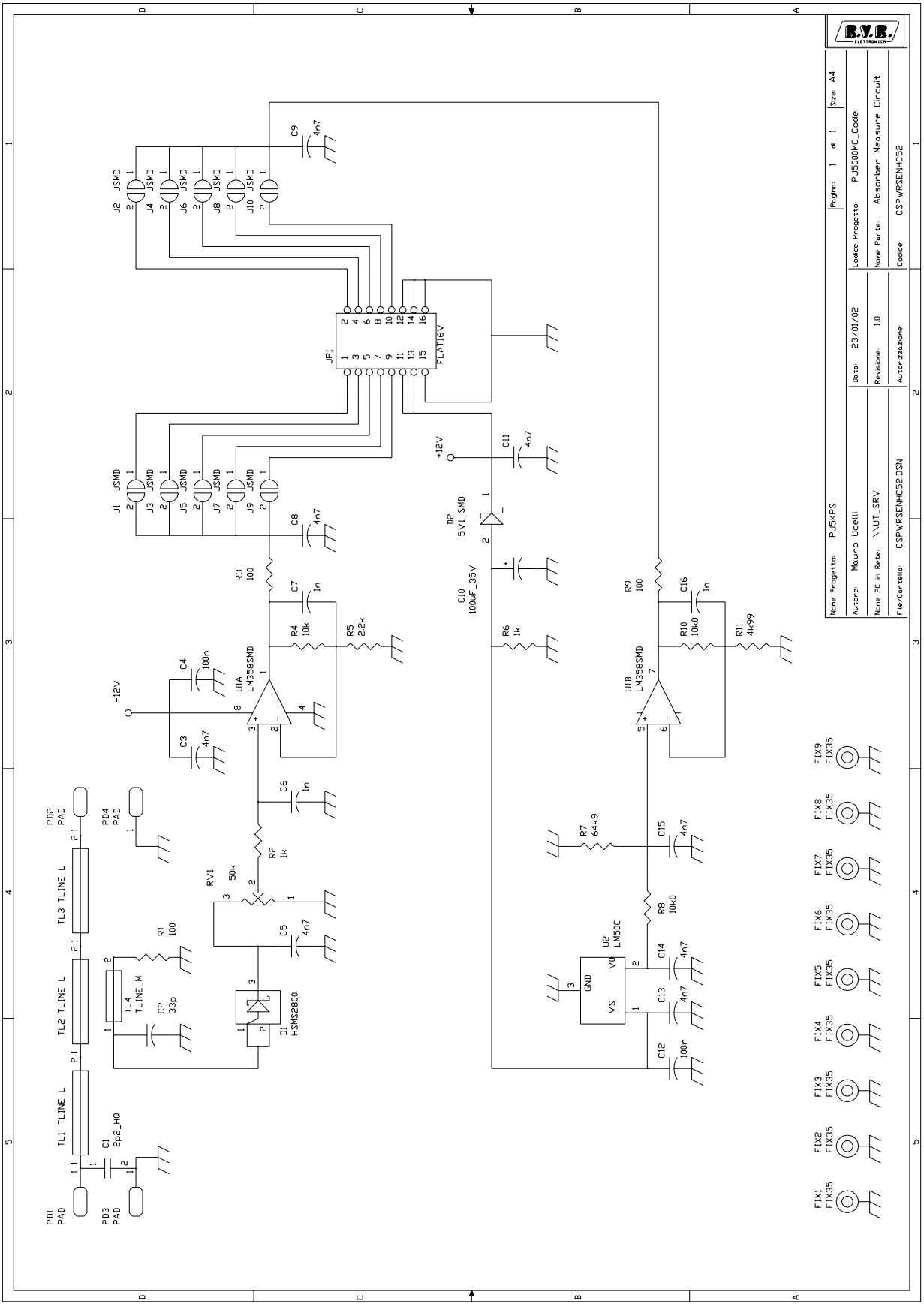
UNBALANCEMENT MEAS. BOARD

SLPWRSENHC52

LAYOUTS



SCHEMATICS


R.V.R. ELETTRONICA
Nome Progetto: PJ5KPS
Autore: Mauro Ucelli
Nome PC in Rete: \\UT_SRV
File/Cartella: CSPWRSENHC52.DSN
Pagina: 1 di 1
Size: A4
Data: 23/01/02
Revisione: 1.0
Codice Progetto: PJ5000MC_Code
Nome Parte: Absorber Measure Circuit
Codice: CSPWRSENHC52
JP1 FLAT16V
J1 JSMD
J2 JSMD
J3 JSMD
J4 JSMD
J5 JSMD
J6 JSMD
J7 JSMD
J8 JSMD
J9 JSMD
J10 JSMD
U1A LM358SMD
U1B LM358SMD
U2 LM50C
D1 HSMS2800
D2 5V1_SMD
TL1 TLINE_L
TL2 TLINE_L
TL3 TLINE_L
TL4 TLINE_M
PD1 PAD
PD2 PAD
PD3 PAD
PD4 PAD
FIX1 FIX35
FIX2 FIX35
FIX3 FIX35
FIX4 FIX35
FIX5 FIX35
FIX6 FIX35
FIX7 FIX35
FIX8 FIX35
FIX9 FIX35
+12V
C1 2p2_H0
C2 33p
C3 4n7
C4 100n
C5 4n7
C6 1n
C7 1n
C8 4n7
C9 4n7
C10 100uF_35V
C11 4n7
C12 100n
C13 4n7
C14 4n7
C15 4n7
C16 1n
R1 100
R2 1k
R3 100
R4 10k
R5 2.2k
R6 1k
R7 64k9
R8 10k0
R9 100
R10 10k0
R11 4k99
RV1 50k
GND
VO
VS

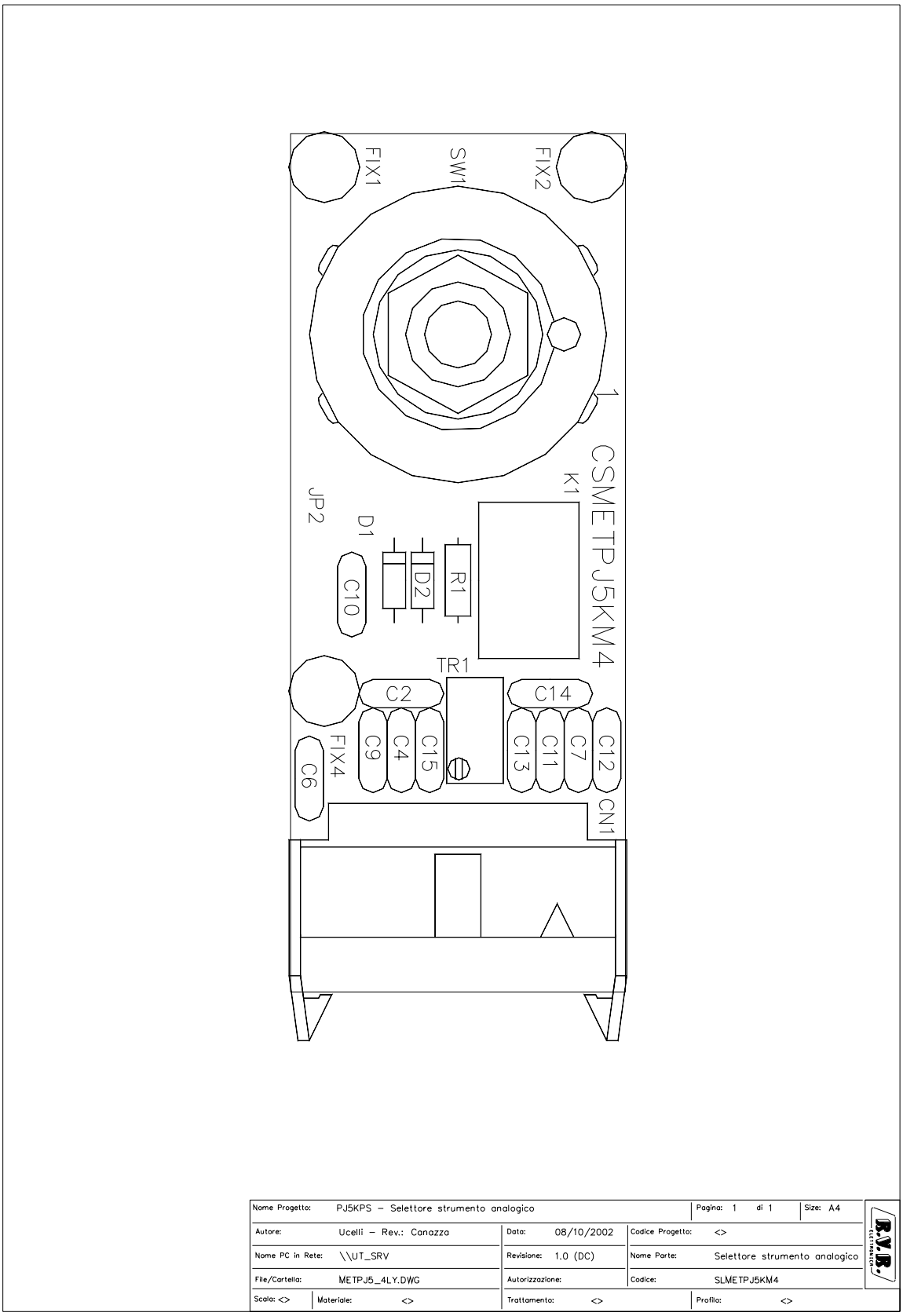
BILLS OF MATERIAL

Item	Quantity	Reference	Part
1	1	C1	2p2_HQ
2	1	C2	33p
3	8	C3,C5,C8,C9,C11,C13,C14, C15	4n7
4	2	C12,C4	100n
5	3	C6,C7,C16	1n
6	1	C10	100uF_35V
7	1	D1	HSMS2800
8	1	D2	5V1_SMD
9	9	FIX1,FIX2,FIX3,FIX4,FIX5, FIX6,FIX7,FIX8,FIX9	FIX35
10	1	JP1	FLAT16V
11	10	J1,J2,J3,J4,J5,J6,J7,J8, J9,J10	JSMD
12	4	PD1,PD2,PD3,PD4	PAD
13	1	RV1	50k
14	3	R1,R3,R9	100
15	2	R6,R2	1k
16	1	R4	10k
17	1	R5	2.2k
18	1	R7	64k9
19	2	R8,R10	10k0
20	1	R11	4k99
21	3	TL1,TL2,TL3	TLINE_L
22	1	TL4	TLINE_M
23	1	U1	LM358SMD
24	1	U2	LM50C

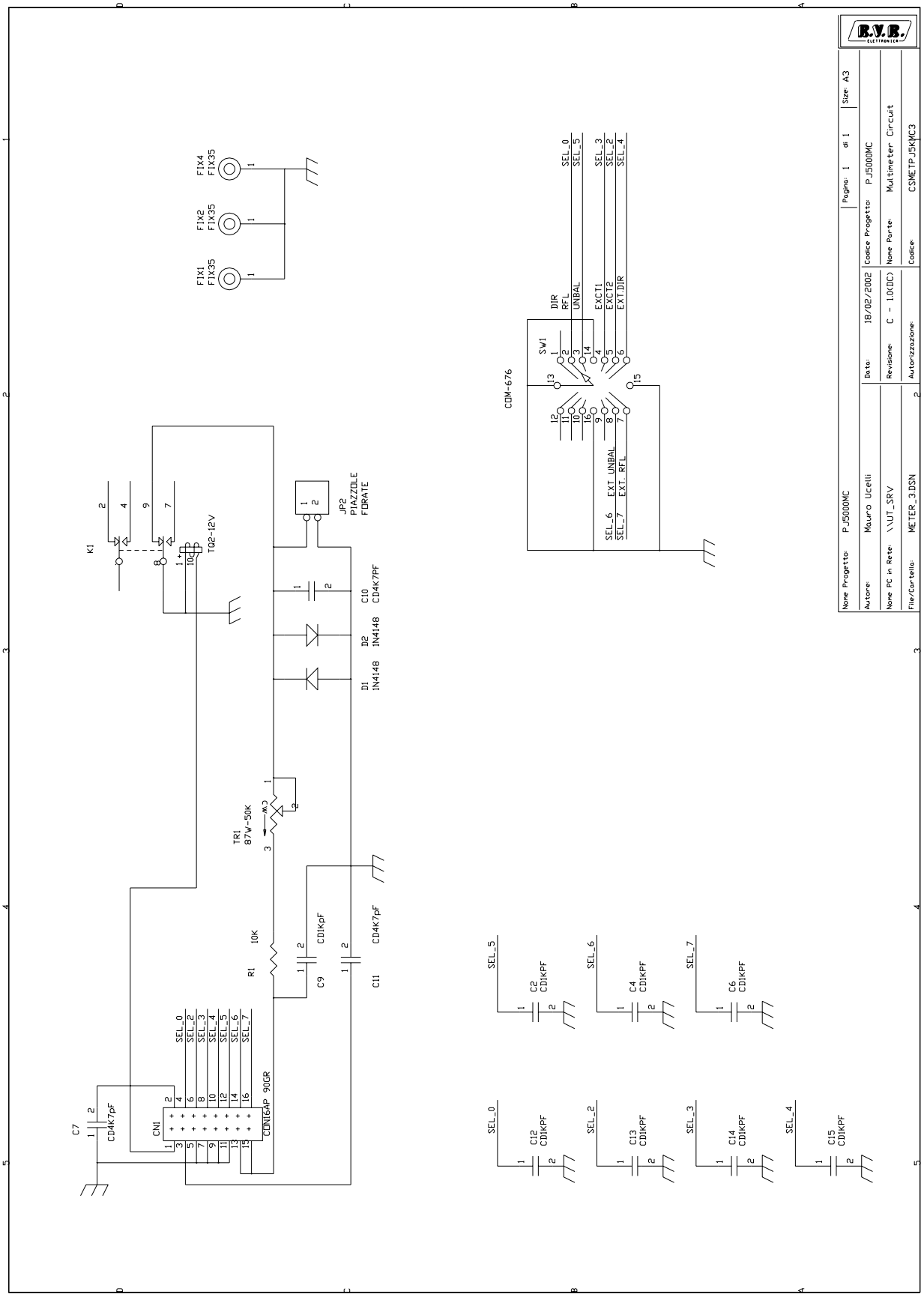
ANALOG METER SELECTOR

SLMETPJ5KM4

LAYOUTS



SCHEMATICS


FIX4 FIX35
FIX2 FIX35
FIX1 FIX35
SEL_0
SEL_5
DIR
RFL
UNBAL
SEL_3
SEL_2
SEL_4
EXCT1
EXCT2
EXT.DIR
SW1
CDM-676
SEL_6 EXT_UNBAL
SEL_7 EXT_RFL
K1
TG2-12V
JP2
PIAZZOLE
FORATE
C10 CD4K7PF
D2 1N4148
D1 1N4148
TR1
87W-50K
R1 10K
C9 CD1KpF
C11 CD4K7pF
C7 CD4K7pF
CN1
CONN6AP 90GR
SEL_5 C2 CD1KPF
SEL_6 C4 CD1KPF
SEL_7 C6 CD1KPF
SEL_0 C12 CD1KPF
SEL_2 C13 CD1KPF
SEL_3 C14 CD1KPF
SEL_4 C15 CD1KPF
R.V.R. ELETTRONICA
Nome Progetto: PJ5000MC
Pagina: 1 di 1
Size: A3
Autore: Mauro Ucelli
Data: 18/02/2002
Codice Progetto: PJ5000MC
Nome PC in Rete: \\UT_SRV
Revisione: C - 10(DC)
Nome Parte: Multimeter Circuit
File/Cartella: METER_3.DSN
Autorizzazione:
Codice: CSMETPJ5KMC3

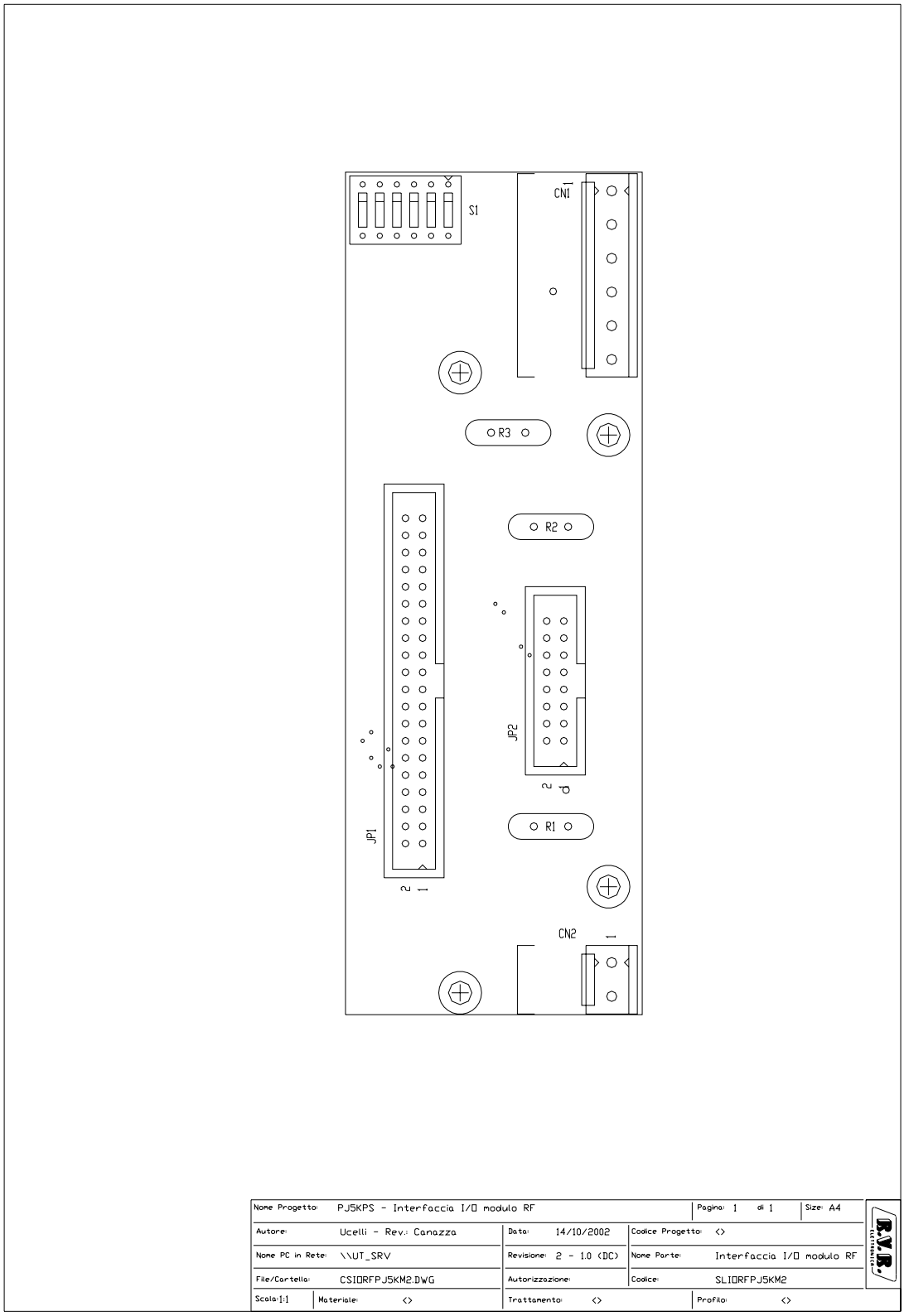
BILLS OF MATERIAL

Item	Quantity	Reference	Part
1	1	CN1	CON16AP 90GR
2	8	C2,C4,C6,C9,C12,C13,C14, C15	CD1KPF
3	3	C7,C10,C11	CD4K7pF
4	2	D1,D2	1N4148
5	3	FIX1,FIX2,FIX4	FIX35
6	1	JP2	PIAZZOLE
7	1	K1	TQ2-12V
8	1	R1	10K
9	1	SW1	COM-676
10	1	TR1	87W-50K

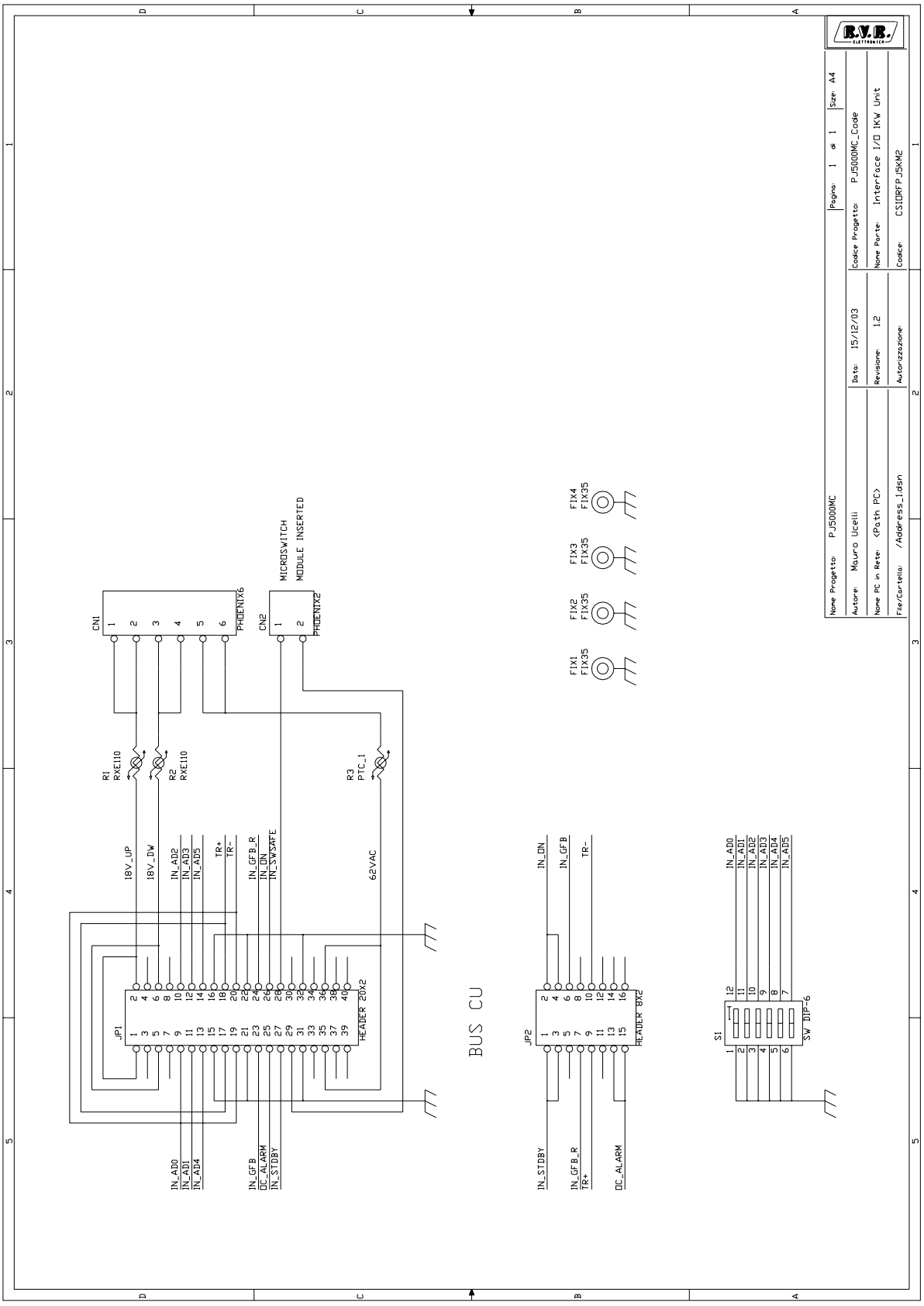
R.F. MODULE I/O INTERFACE

SLIORFPJ5KM2

LAYOUTS



SCHEMATICS


CN1
PHOENIX6
CN2
MICROSWITCH
MODULE INSERTED
PHOENIX2
R1
RXE110
R2
RXE110
R3
PTC_1
FIX1
FIX35
FIX2
FIX35
FIX3
FIX35
FIX4
FIX35
18V_UP
18V_DW
IN_AD2
IN_AD3
IN_AD5
TR+
TR-
IN_GFB_R
IN_DIN
IN_SWSAFE
62VAC
JP1
HEADER 20X2
BUS CU
JP2
HEADER 8X2
IN_DIN
IN_GFB
TR-
IN_STDBY
IN_GFB_R
TR+
DC_ALARM
S1
SW DIP-6
IN_AD0
IN_AD1
IN_AD2
IN_AD3
IN_AD4
IN_AD5
IN_GFB
DC_ALARM
IN_STDBY
Nome Progetto: PJ5000MC
Autore: Mauro Uccelli
Nome PC in Rete: <Path PC>
File/Cartella: /Address_1.dsn
Data: 15/12/03
Revisione: 1.2
Autorizzazione:
Pagina: 1 di 1
Size: A4
Codice Progetto: PJ5000MC_Code
Nome Parte: Interface I/O 1KW Unit
Codice: CSIORFPJ5KM2

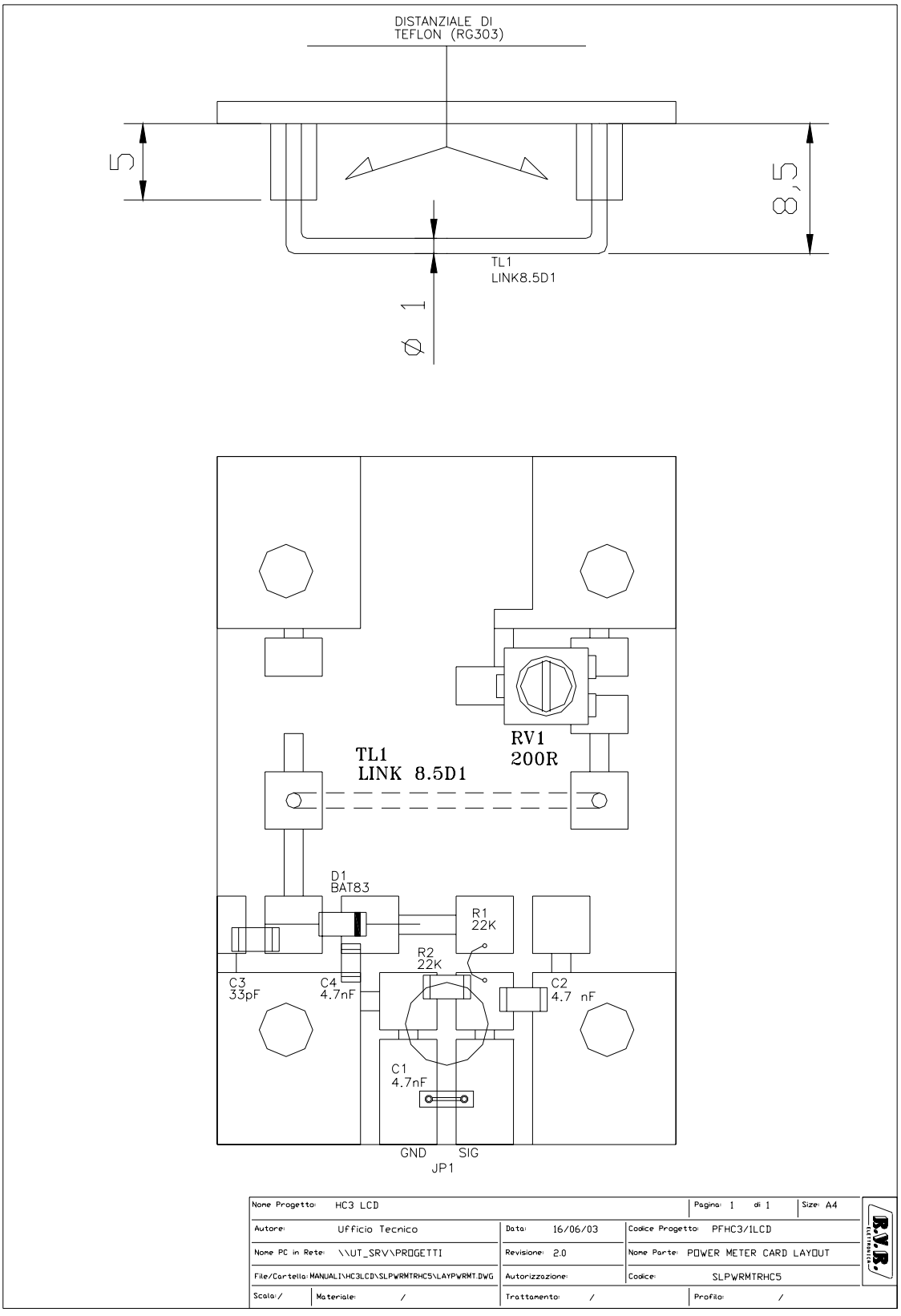
BILLS OF MATERIAL

Item	Quantity	Reference	Part
1			
2	1	CN1	PHOENIX6
3	1	CN2	PHOENIX2
4	4	FIX1,FIX2,FIX3,FIX4	FIX35
5	1	JP1	HEADER 20X2
6	1	JP2	HEADER 8X2
7	2	R2,R1	RXE110
8	1	R3	PTC_1
9	1	S1	SW DIP-6

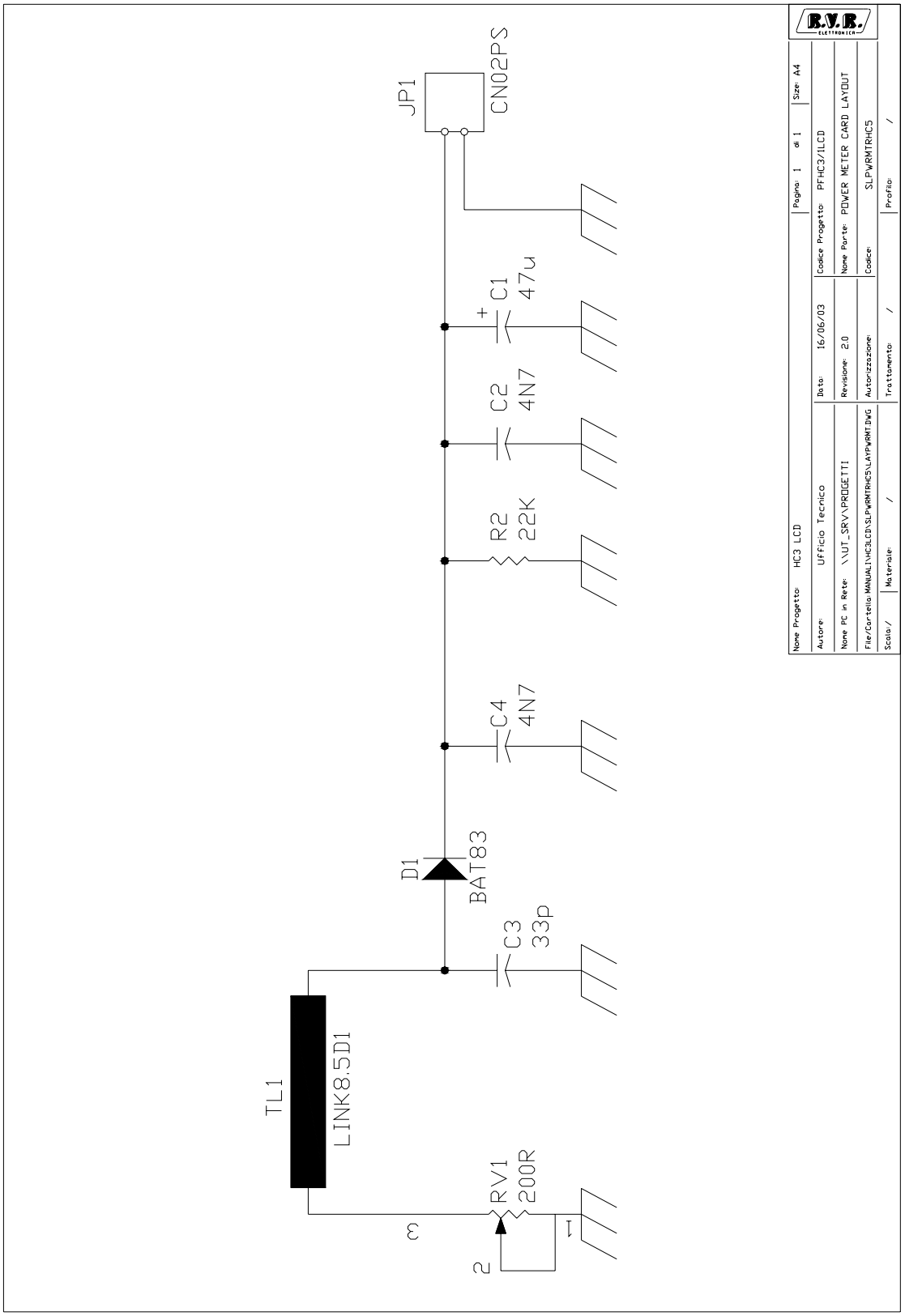
OUTPUT DIRECTIONAL COUPLER

SLPWRMTRHC51

LAYOUTS



SCHEMATICS


JP1
CN02PS
C1
47u
C2
4N7
R2
22K
C4
4N7
D1
BAT83
C3
33p
TL1
LINK8.5D1
RV1
200R
3
2
1
Nome Progetto: HC3 LCD
Pagina: 1 di 1
Size: A4
Autore: Ufficio Tecnico
Data: 16/06/03
Codice Progetto: PFHC3/LCD
Nome PC in Rete: \\UT_SRV\PROGETTI
Revisione: 2.0
Nome Parte: POWER METER CARD LAYOUT
File/Cartella: MANUALI\HC3LCD\SLPWRMTRHC5\LAYPWRMT.DWG
Autorizzazione:
Codice: SLPWRMTRHC5
Scala: /
Materiale: /
Trattamento: /
Profilo: /

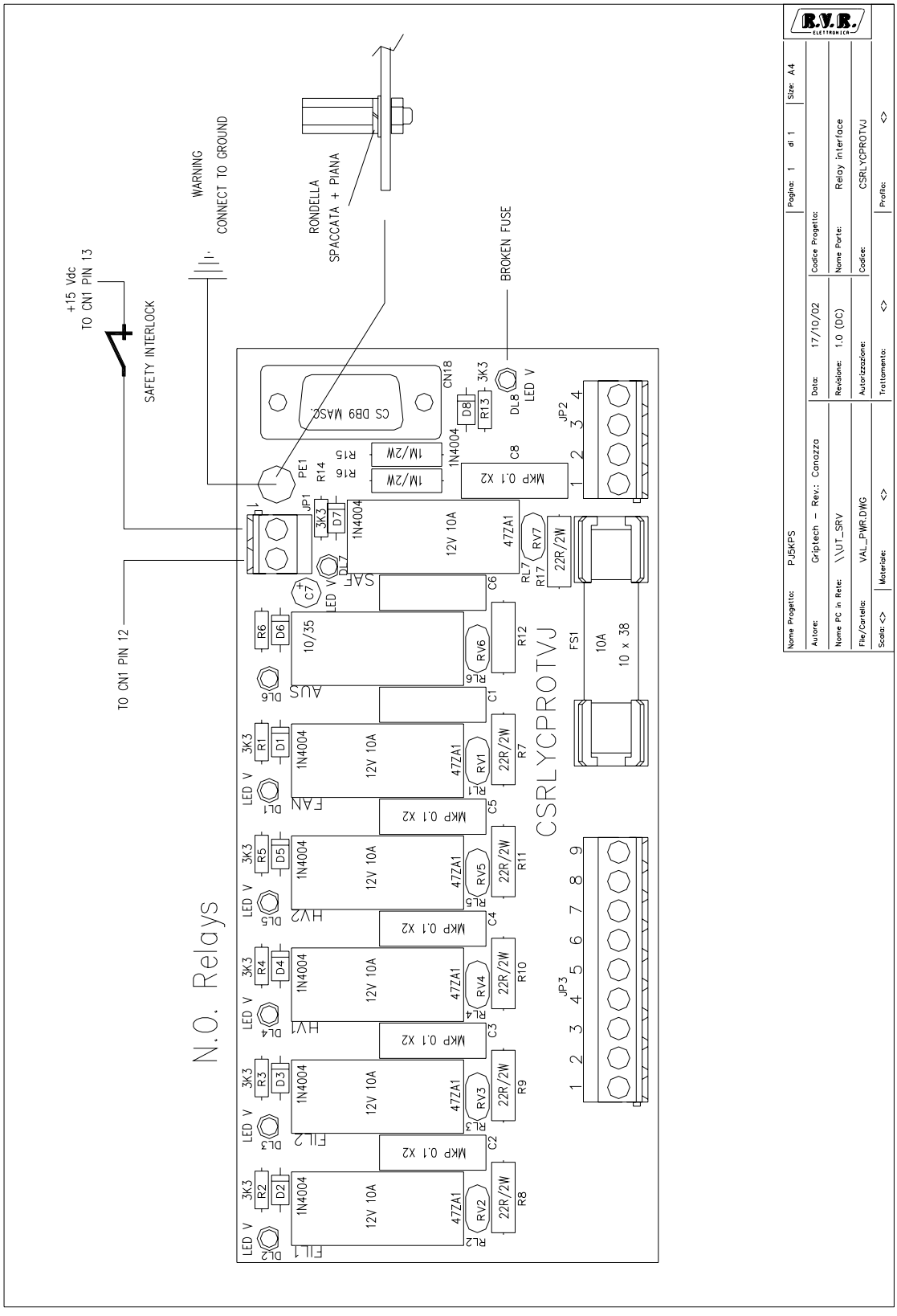
BILLS OF MATERIAL

Item	Quantity	Reference	Part
1	1	C1	47u
2	2	C4,C2	4n7
3	1	C3	33p
4	1	D1	BAT 83
5	1	JP1	CN02PS
6	1	RV1	200R
7	2	R2	22k
8	1	TL1	LINK8.5D1

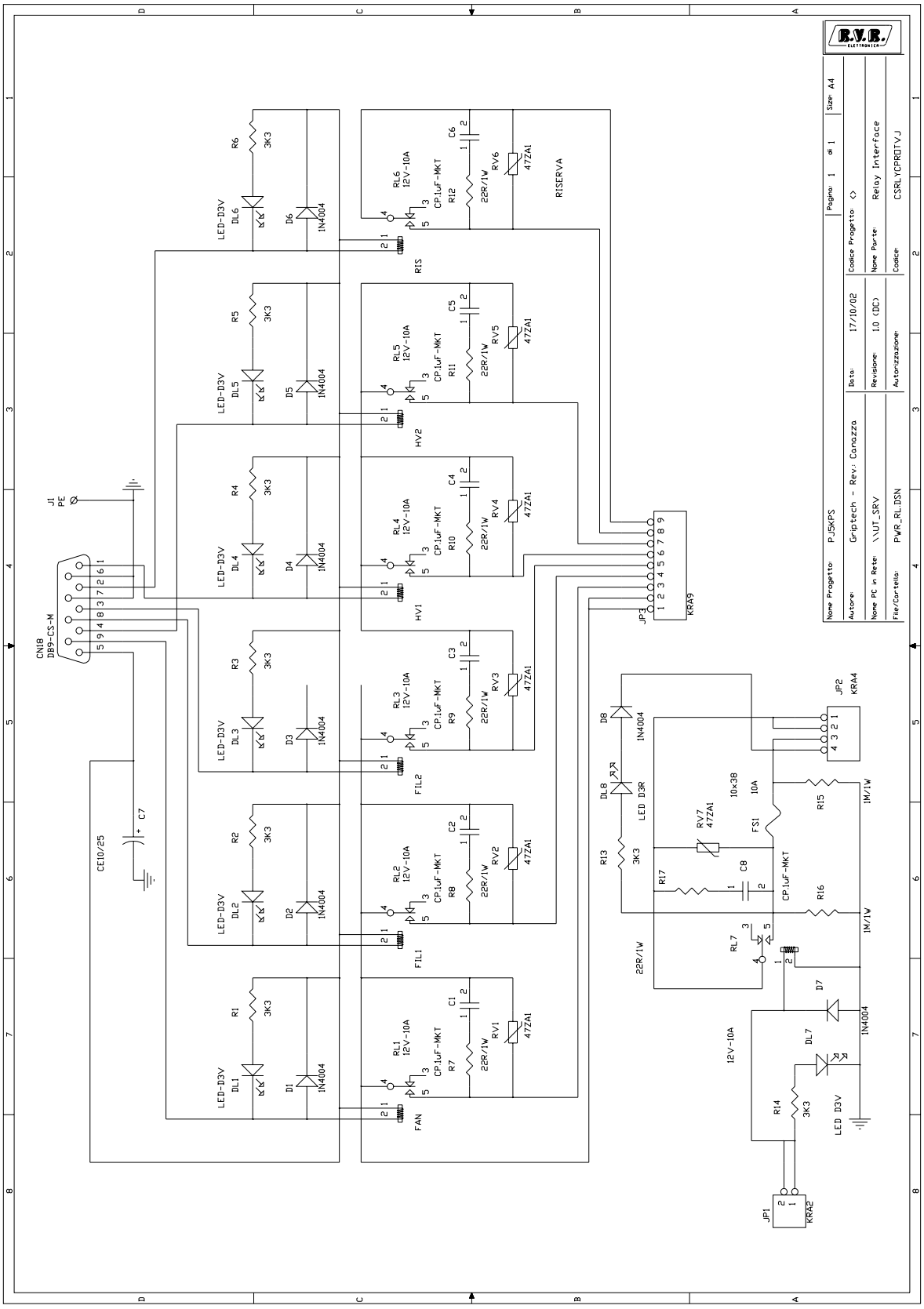
POWER RELAY INTERFACE

SLRLYCPROTVJ

LAYOUTS



SCHEMATICS


R.V.R. ELETTRONICA
None Progetto: PJ5KPS
Autore: Griptech - Rev.: Canazza
None PC in Rete: \\UT_SRV
File/Cartella: PWR_RL.DSN
Pagina: 1 di 1
Size: A4
Data: 17/10/02
Revisione: 1.0 (DC)
Autorizzazione:
Codice Progetto: <>
None Parte: Relay Interface
Codice: CSRLYCPROTVJ
CN18 DB9-CS-M
J1 PE
JP3 KRA9
JP2 KRA4
JP1 KRA2
RISERVA
FAN
HV1
HV2
FIL1
FIL2
LED-D3V
LED D3R
1N4004
12V-10A
CP.1uF-MKT
22R/1W
47ZA1
3K3
1M/1W
10x38
10A
CE10/25

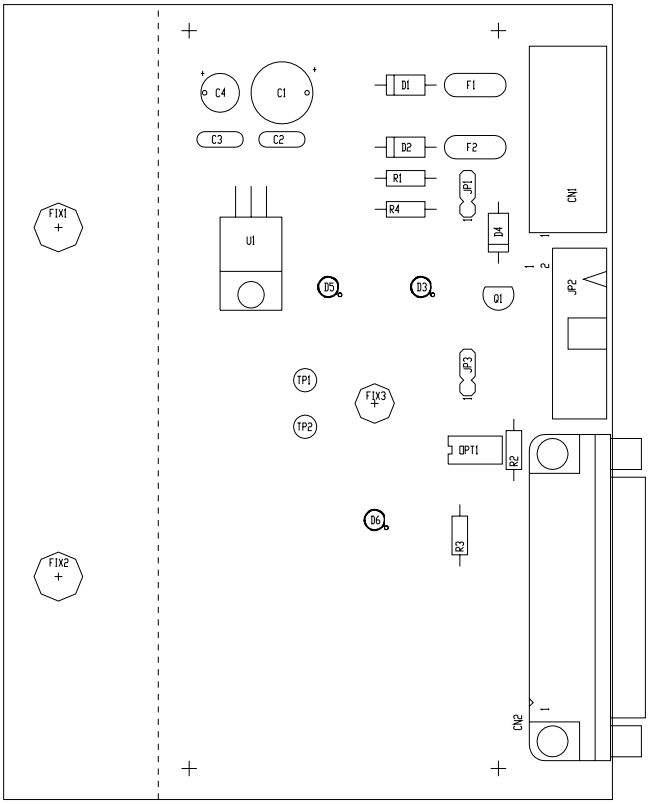
BILLS OF MATERIAL

Item	Quantity	Reference	Part
1	1	CN18	DB9-CS-M
2	7	C1,C2,C3,C4,C5,C6,C8	CP.1uF-MKT
3	1	C7	CE10/25
4	6	DL1,DL2,DL3,DL4,DL5,DL6	LED-D3V
5	1	DL7	LED D3V
6	1	DL8	LED D3R
7	8	D1,D2,D3,D4,D5,D6,D7,D8	1N4004
8	1	FS1	10x38
9	1	JP1	KRA2
10	1	JP2	KRA4
11	1	JP3	KRA9
12	1	J1	PE
13	7	RL1,RL2,RL3,RL4,RL5,RL6, RL7	12V-10A
14	7	RV1,RV2,RV3,RV4,RV5,RV6, RV7	47ZA1
15	8	R1,R2,R3,R4,R5,R6,R13, R14	3K3
16	7	R7,R8,R9,R10,R11,R12,R17	22R/1W
17	2	R15,R16	1M/1W

EMERGENCY CCU BOARD

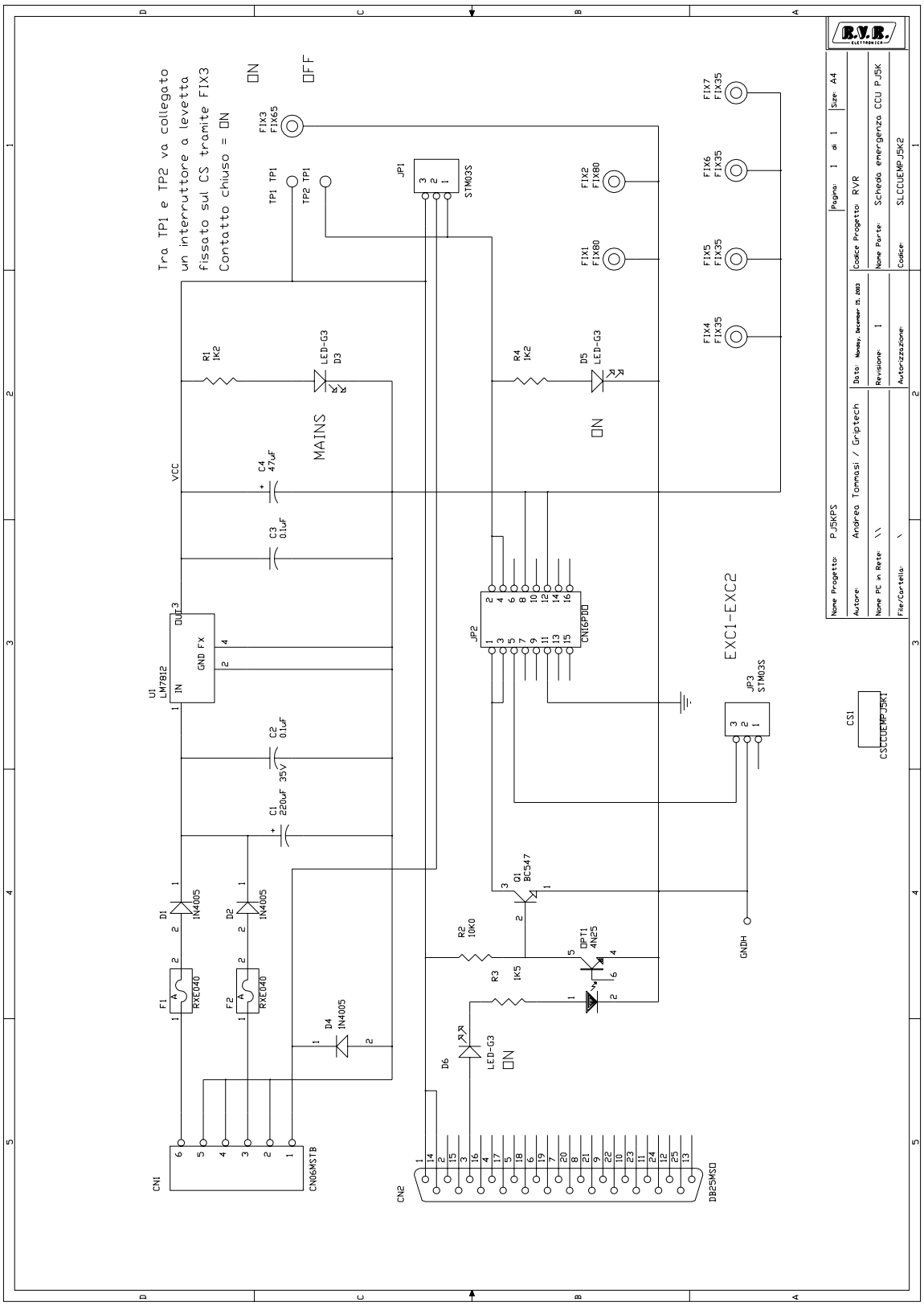
SLCCUEMPJ5K2

LAYOUTS



NOME PROGETTO: PJ5KPS		NOME PARTE: SCHEDA EMERGENZA CCU PJ5K	
AUTORE: Poluzzi S.		DATA: 07/03/2005	REVISIONE: 0 SCALA: 1:1 SIZE: A4 PAGINA: 1 DI 1
ARCHIVIAZIONE ELETTRONICA: "TAVOLA PROGETTI" SU "LOCALE"		PROGETTO:	CODICE DISEGNO: SLCCUEMPJ5K2
MATERIALE: FR4-74 1.6mm Cu 35µ	TRATTAMENTO: STANDARD COSTRUTTORE	PROFILO:	STATO:

SCHEMATICS


Tra TP1 e TP2 va collegato
un interruttore a levetta
fissato sul CS tramite FIX3
Contatto chiuso = ON
ON
OFF
FIX3 FIX65
TP1 TP1
TP2 TP1
JP1 STM03S
FIX2 FIX80
FIX1 FIX80
FIX7 FIX35
FIX6 FIX35
FIX5 FIX35
FIX4 FIX35
R1 1K2
LED-G3 D3
MAINS
R4 1K2
D5 LED-G3
ON
VCC
C4 47uF
C3 0.1uF
U1 LM7812
DUT3
GND FX
C2 0.1uF 35V
C1 220uF
JP2 CNT6PDO
EXC1-EXC2
JP3 STM03S
CS1
CSCCUEMPJ5K1
D1 1N4005
D2 1N4005
F1 RXE040
F2 RXE040
D4 1N4005
Q1 BC547
R2 10K0
R3 1K5
OPT1 4N25
D6 LED-G3
ON
GNDH
CN1 CN06MSTB
CN2 D025MSDI
Nome Progetto: PJ5KPS
Autore: Andrea Tommasi / Griptech
Nome PC in Rete: \\
File/Cartella: \
Data: Monday, December 15, 2003
Revisione: 1
Autorizzazione:
Codice Progetto: RVR
Nome Parte: Scheda emergenza CCU PJ5K
Codice: SLCCUEMPJ5K2
Pagina: 1 di 1
Size: A4

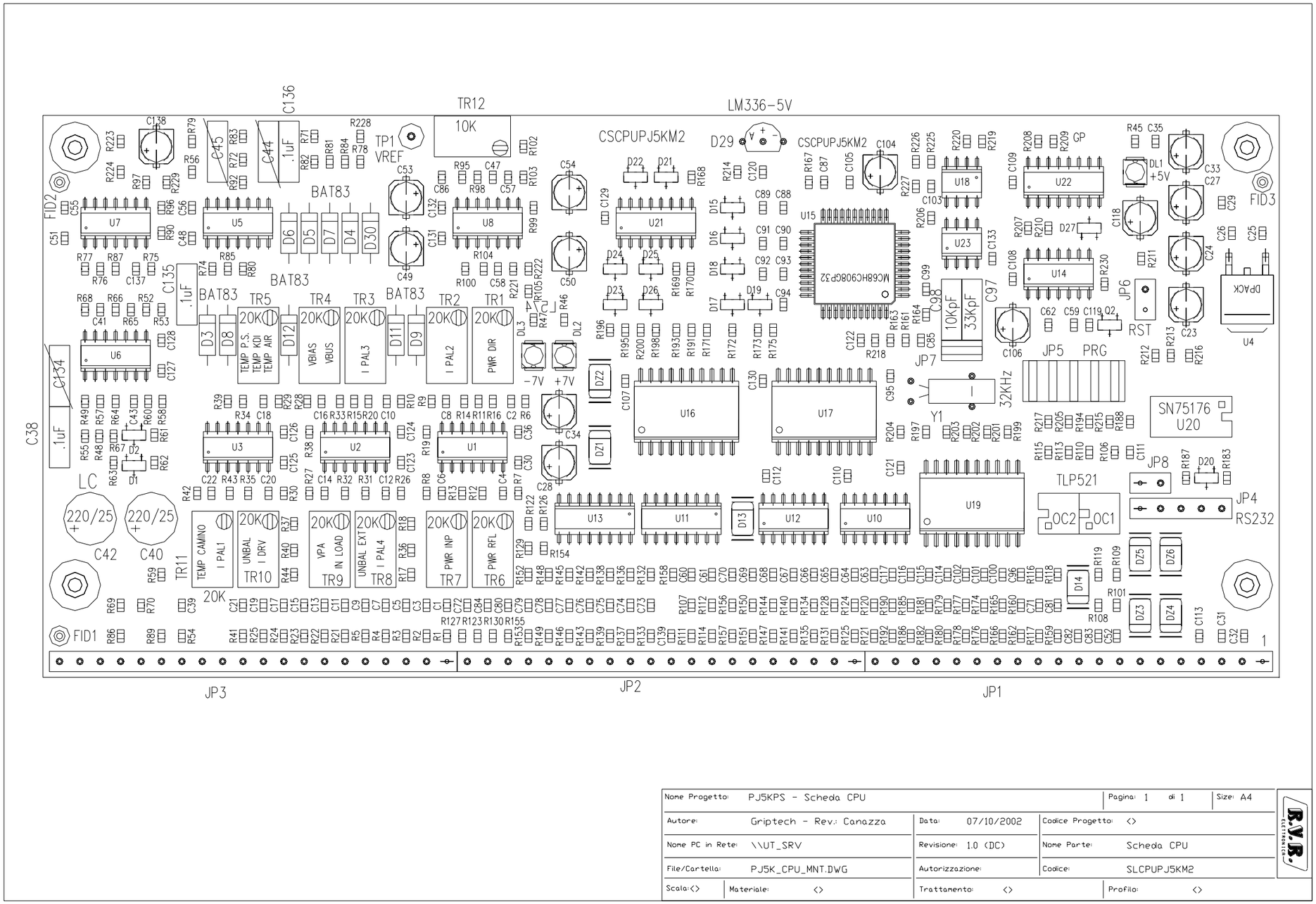
BILLS OF MATERIAL

Item	Quantity	Reference	Part
1	1	CN1	CN06MSTB
2	1	CN2	DB25MSO
3	1	CS1	CSCCUEMPJ5K1
4	1	C1	220uF 35V
5	2	C2,C3	0.1uF
6	1	C4	47uF
7	3	D1,D2,D4	1N4005
8	3	D3,D5,D6	LED-G3
9	2	FIX1,FIX2	FIX80
10	1	FIX3	FIX65
11	4	FIX4,FIX5,FIX6,FIX7	FIX35
12	2	F1,F2	RXE040
13	2	JP3,JP1	STM03S
14	1	JP2	CN16PDO
15	1	OPT1	4N25
16	1	Q1	BC547
17	2	R4,R1	1K2
18	1	R2	10K0
19	1	R3	1K5
20	2	TP1,TP2	TP1
21	1	U1	LM7812

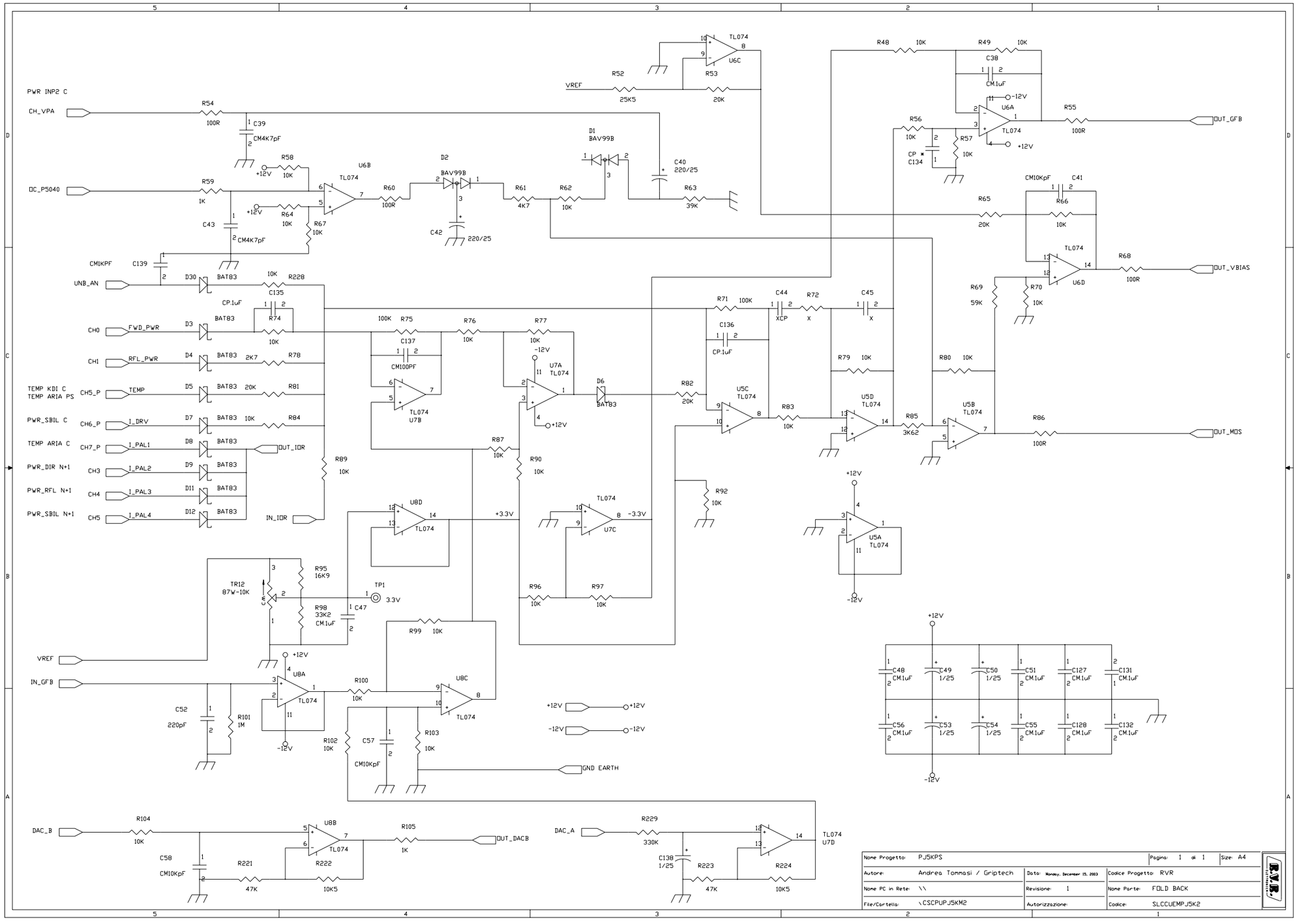
MICROCONTROLLER BOARD

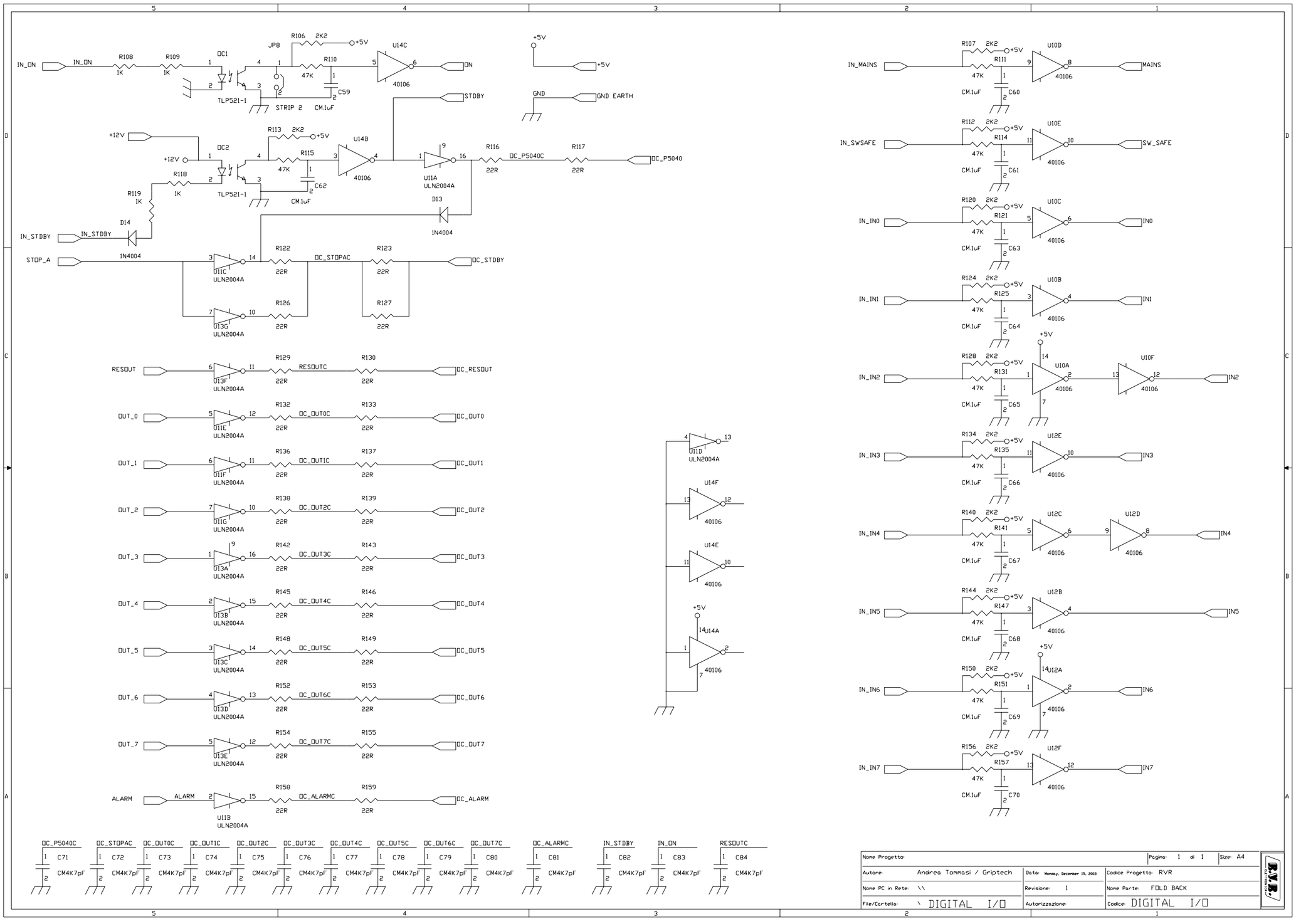
SLCPUPJ5KM2

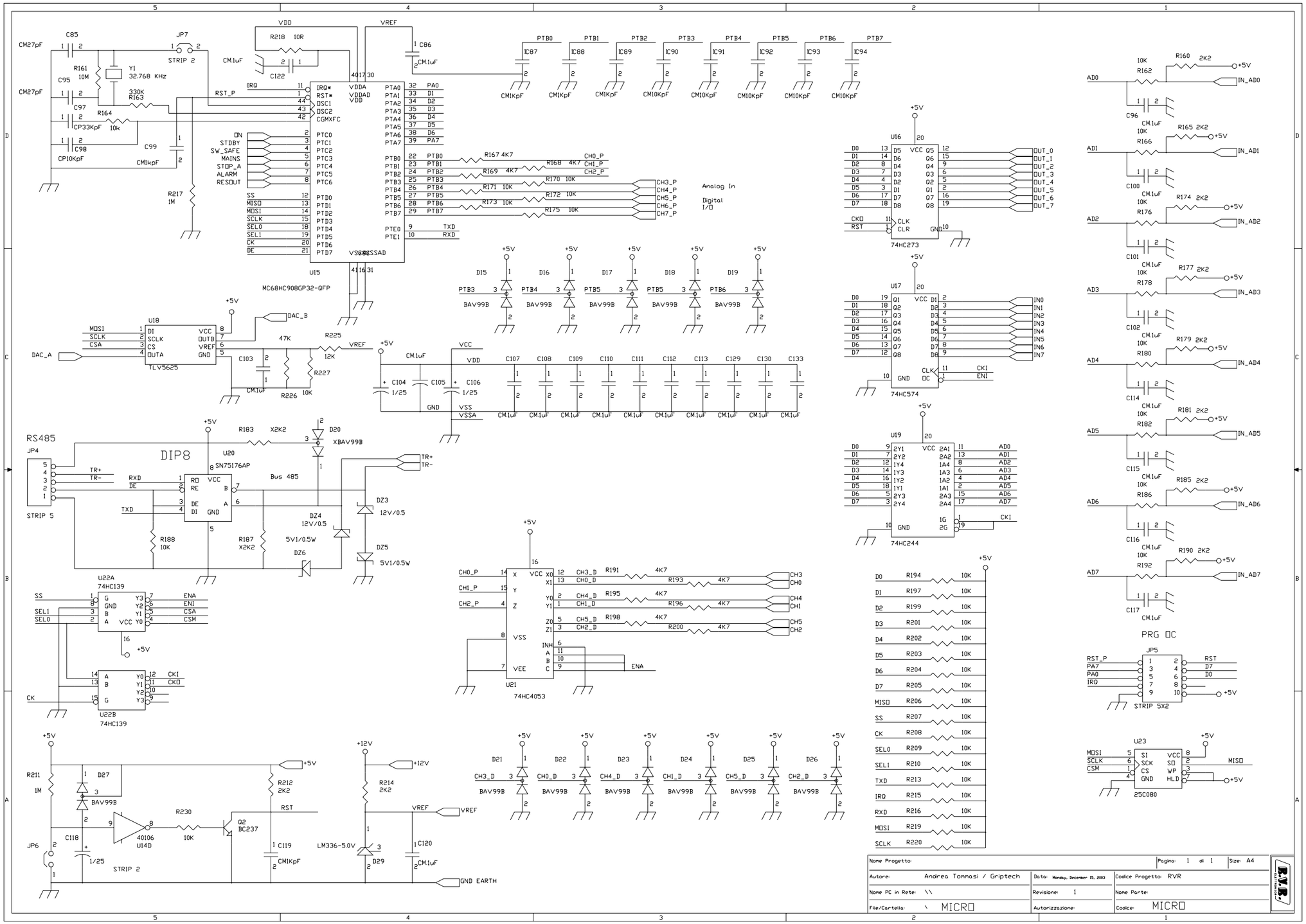
LAYOUTS



Nome Progetto:	PJ5KPS - Scheda CPU			Pagina: 1 di 1	Size: A4
Autore:	Griptech - Rev.: Canazza	Data:	07/10/2002	Codice Progetto:	<>
Nome PC in Rete:	\\UT_SRV	Revisione:	1.0 (DC)	Nome Parte:	Scheda CPU
File/Cartella:	PJ5K_CPU_MNT.DWG	Autorizzazione:		Codice:	SLCPUPJ5KM2
Scala: <>	Materiale: <>	Trattamento:	<>	Profilo:	<>


PWR INP2 C
CH_VPA
R54 100R
C39 CM4K7pF
R58 10K
+12V
U6B TL074
DC_P5040
R59 1K
R60 100R
D2 BAV99B
R61 4K7
R62 10K
D1 BAV99B
C40 220/25
R63 39K
C42 220/25
R64 10K
R67 10K
C43 CM4K7pF
CM1KPF C139
UNB_AN
D30 BAT83
R228 10K
C135 CP.1uF
CH0 FWD_PWR
D3 BAT83
R74 10K
CH1 RFL_PWR
D4 BAT83
R78 2K7
TEMP KDI C
TEMP ARIA PS
CH5_P TEMP
D5 BAT83
R81 20K
PWR_SBIL C
CH6_P I_DRV
D7 BAT83
R84 10K
TEMP ARIA C
CH7_P I_PAL1
D8 BAT83
OUT_IDR
PWR_DIR N+1
CH3 I_PAL2
D9 BAT83
PWR_RFL N+1
CH4 I_PAL3
D11 BAT83
PWR_SBIL N+1
CH5 I_PAL4
D12 BAT83
R89 10K
IN_IDR
R75 100K
R76 10K
C137 CM100PF
U7B TL074
R77 10K
U7A TL074
D6 BAT83
R87 10K
R90 10K
U8D TL074
+3.3V
TL074 U7C
-3.3V
R92 10K
R96 10K
R97 10K
TR12 87W-10K
R95 16K9
TP1 3.3V
R98 33K2
C47 CM.1uF
R99 10K
VREF
IN_GFB
U8A TL074
R100 10K
U8C TL074
C52 220pF
R101 1M
R102 10K
C57 CM10KpF
R103 10K
GND EARTH
+12V
-12V
DAC_B
R104 10K
U8B TL074
R105 1K
OUT_DACB
C58 CM10KpF
R221 47K
R222 10K5
DAC_A
R229 330K
C138 1/25
R223 47K
R224 10K5
TL074 U7D
R71 100K
C136 CP.1uF
C44 XCP
R72 X
C45 X
R79 10K
U5C TL074
R82 20K
R83 10K
U5D TL074
R85 3K62
R80 10K
U5B TL074
R86 100R
OUT_MOS
R48 10K
R49 10K
C38 CM.1uF
U6A TL074
R55 100R
OUT_GFB
R56 10K
R57 10K
CP * C134
CM10KpF C41
R65 20K
R66 10K
TL074 U6D
R68 100R
OUT_VBIAS
R69 59K
R70 10K
R52 25K5
R53 20K
TL074 U6C
U5A TL074
C48 CM.1uF
C49 1/25
C50 1/25
C51 CM.1uF
C127 CM.1uF
C131 CM.1uF
C56 CM.1uF
C53 1/25
C54 1/25
C55 CM.1uF
C128 CM.1uF
C132 CM.1uF
Nome Progetto: PJ5KPS
Pagina: 1 di 1
Size: A4
Autore: Andrea Tommasi / Griptech
Data: Monday, December 15, 2003
Codice Progetto: RVR
Nome PC in Rete: \\
Revisione: 1
Nome Parte: FOLD BACK
File/Cartella: \CSCPUPJ5KM2
Autorizzazione:
Codice: SLCCUEMPJ5K2


IN_ON
IN_ON
R108 1K
R109 1K
OC1
TLP521-1
JP8
STRIP 2
R106 2K2
+5V
R110 47K
C59 CM.1uF
U14C
40106
ON
STDBY
+5V
+5V
GND
GND EARTH
+12V
+12V
OC2
TLP521-1
R113 2K2
R115 47K
C62 CM.1uF
U14B
40106
U11A ULN2004A
R116 22R
OC_P5040C
R117 22R
OC_P5040
R118 1K
R119 1K
D14
IN_STDBY
IN_STDBY
D13
1N4004
STOP_A
1N4004
U11C ULN2004A
R122 22R
OC_STOPAC
R123 22R
OC_STDBY
U13G ULN2004A
R126 22R
R127 22R
RESOUT
U13F ULN2004A
R129 22R
RESOUTC
R130 22R
OC_RESOUT
OUT_0
U11E ULN2004A
R132 22R
OC_OUT0C
R133 22R
OC_OUT0
OUT_1
U11F ULN2004A
R136 22R
OC_OUT1C
R137 22R
OC_OUT1
OUT_2
U11G ULN2004A
R138 22R
OC_OUT2C
R139 22R
OC_OUT2
OUT_3
U13A ULN2004A
R142 22R
OC_OUT3C
R143 22R
OC_OUT3
OUT_4
U13B ULN2004A
R145 22R
OC_OUT4C
R146 22R
OC_OUT4
OUT_5
U13C ULN2004A
R148 22R
OC_OUT5C
R149 22R
OC_OUT5
OUT_6
U13D ULN2004A
R152 22R
OC_OUT6C
R153 22R
OC_OUT6
OUT_7
U13E ULN2004A
R154 22R
OC_OUT7C
R155 22R
OC_OUT7
ALARM
ALARM
U11B ULN2004A
R158 22R
OC_ALARMC
R159 22R
OC_ALARM
U11D ULN2004A
U14F 40106
U14E 40106
+5V
U14A 40106
IN_MAINS
R107 2K2
R111 47K
C60 CM.1uF
U10D
40106
MAINS
IN_SWSAFE
R112 2K2
R114 47K
C61 CM.1uF
U10E
40106
SW_SAFE
IN_IN0
R120 2K2
R121 47K
C63 CM.1uF
U10C
40106
IN0
IN_IN1
R124 2K2
R125 47K
C64 CM.1uF
U10B
40106
IN1
IN_IN2
R128 2K2
R131 47K
C65 CM.1uF
U10A
40106
U10F
40106
IN2
IN_IN3
R134 2K2
R135 47K
C66 CM.1uF
U12E
40106
IN3
IN_IN4
R140 2K2
R141 47K
C67 CM.1uF
U12C
40106
U12D
40106
IN4
IN_IN5
R144 2K2
R147 47K
C68 CM.1uF
U12B
40106
IN5
IN_IN6
R150 2K2
R151 47K
C69 CM.1uF
U12A
40106
IN6
IN_IN7
R156 2K2
R157 47K
C70 CM.1uF
U12F
40106
IN7
OC_P5040C C71 CM4K7pF
OC_STOPAC C72 CM4K7pF
OC_OUT0C C73 CM4K7pF
OC_OUT1C C74 CM4K7pF
OC_OUT2C C75 CM4K7pF
OC_OUT3C C76 CM4K7pF
OC_OUT4C C77 CM4K7pF
OC_OUT5C C78 CM4K7pF
OC_OUT6C C79 CM4K7pF
OC_OUT7C C80 CM4K7pF
OC_ALARMC C81 CM4K7pF
IN_STDBY C82 CM4K7pF
IN_ON C83 CM4K7pF
RESOUTC C84 CM4K7pF
Nome Progetto:
Pagina: 1 di 1
Size: A4
Autore: Andrea Tommasi / Griptech
Data: Monday, December 15, 2003
Codice Progetto: RVR
Nome PC in Rete: \\
Revisione: 1
Nome Parte: FOLD BACK
File/Cartella: \ DIGITAL I/O
Autorizzazione:
Codice: DIGITAL I/O


U15
MC68HC908GP32-QFP
U16
74HC273
U17
74HC574
U19
74HC244
U20
SN75176AP
DIP8
U21
74HC4053
U22A
74HC139
U22B
74HC139
U18
TLV5625
U23
25C080
JP4
STRIP 5
JP5
STRIP 5X2
JP6
STRIP 2
RS485
Bus 485
Analog In
Digital I/O
PRG I2C
Nome Progetto:
Autore: Andrea Tommasi / Griptech
Data: Monday, December 15, 2003
Codice Progetto: RVR
Nome PC in Rete: \\
Revisione: 1
Nome Parte:
File/Cartella: \ MICRO
Autorizzazione:
Codice: MICRO
Pagina: 1 di 1
Size: A4

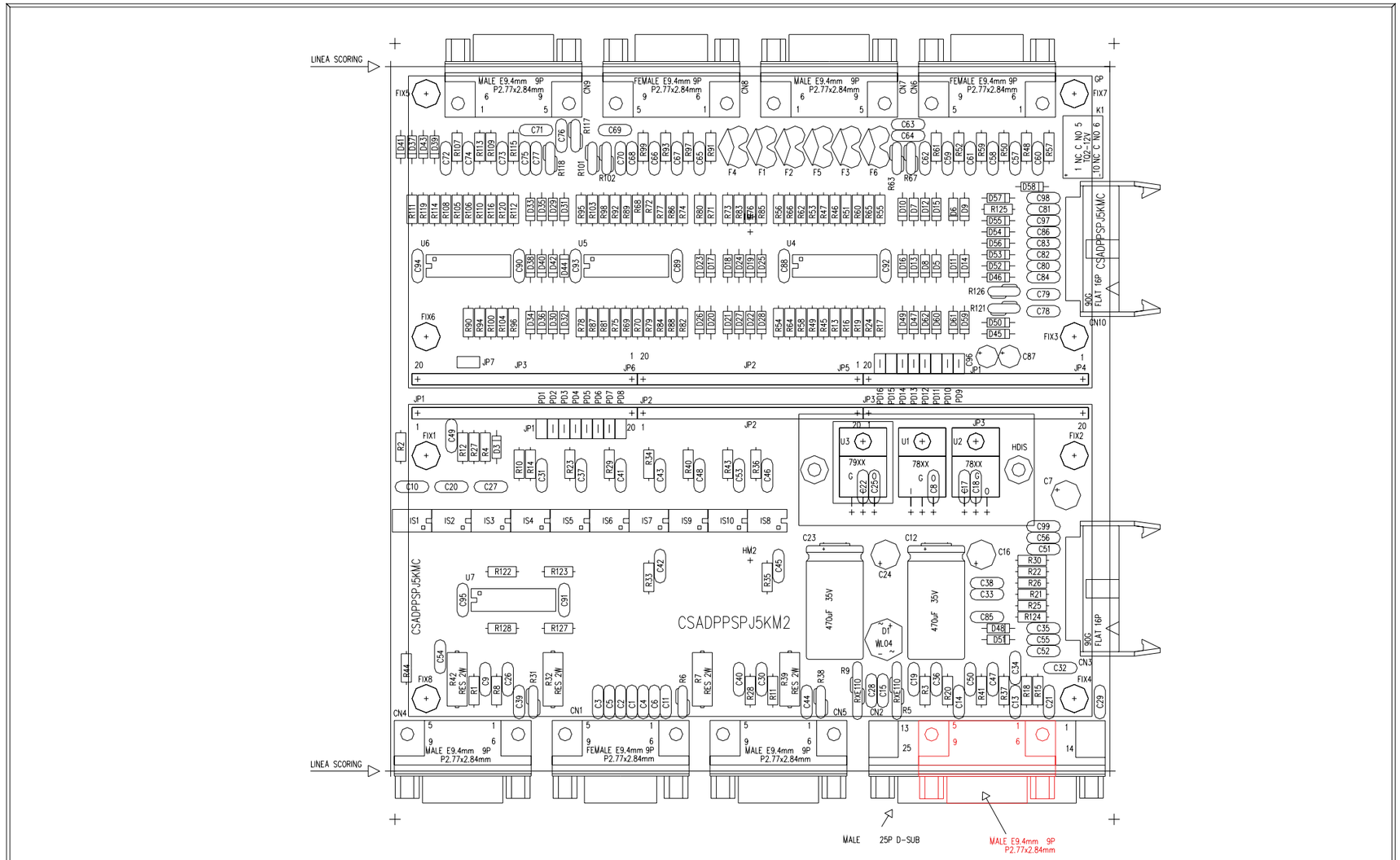
BILLS OF MATERIAL

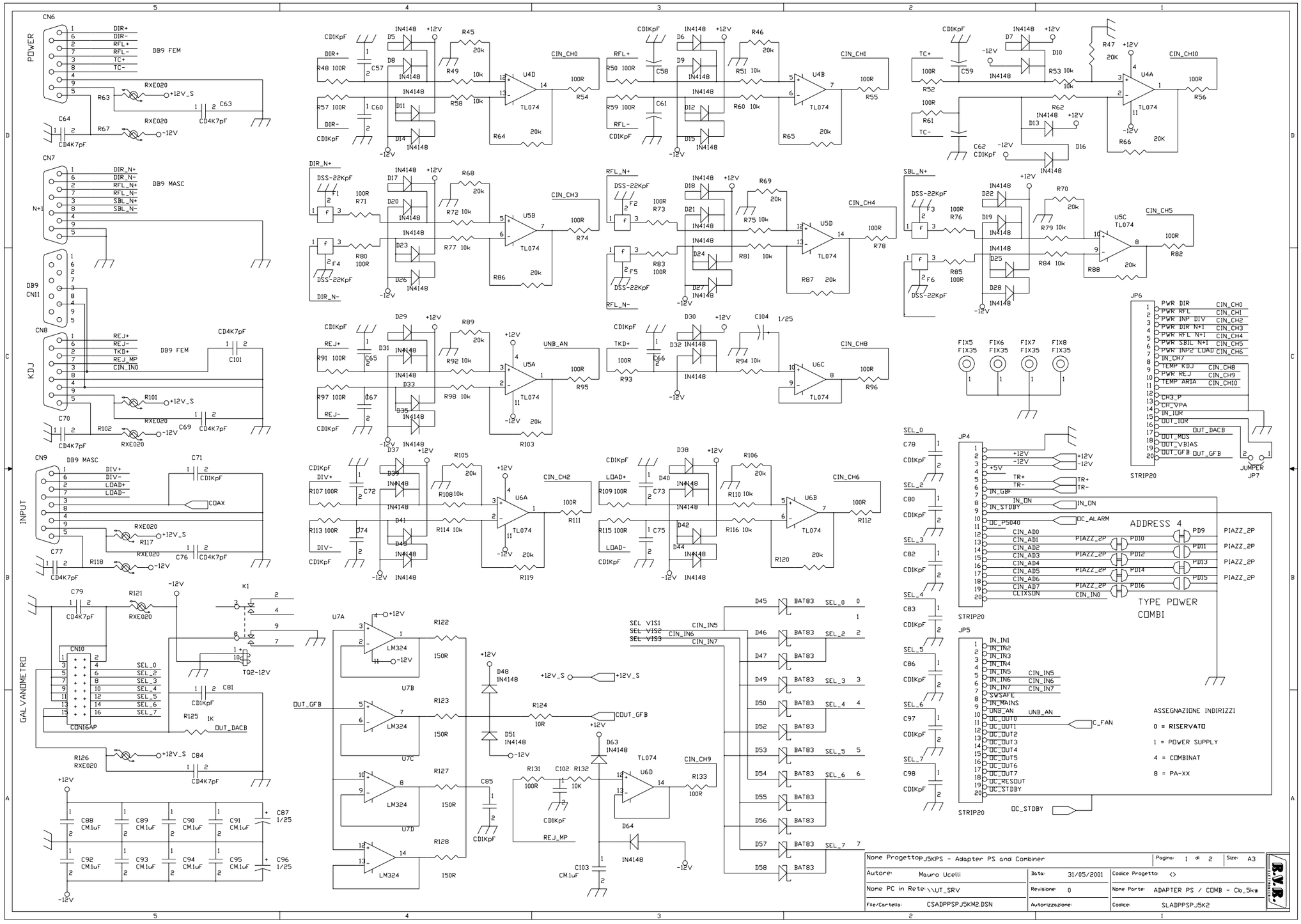
Item	Quantity	Reference	Part
1	17	C1,C3,C5,C7,C9,C11,C13,C15,C17,C19,C21,C87, C88,C89,C99,C119,C139	CM1kpF
2	12	C2,C4,C6,C8,C10,C12,C14,C16,C18,C20,C85,C95	CM27pF
3	1	C22	27pF
4	14	C23,C24,C27,C28,C33,C34,C49,C50,C53,C54,C104, C106,C118,C138	1/25
5	55	C25,C26,C29,C30,C35,C36,C38,C47,C48,C51,C55, C56,C59,C60,C61,C62,C63,C64,C65,C66,C67,C68, C69,C70,C86,C96,C100,C101,C102,C103,C105, C107,C108,C109,C110,C111,C112,C113,C114, C115,C116,C117,C120,C122,C123,C124,C125, C126,C127,C128,C129,C130,C131,C132,C133	CM.1uF
6	19	C31,C32,C39,C43,C71,C72,C73,C74,C75,C76,C77, C78,C79,C80,C81,C82,C83,C84,C121	CM4K7pF
7	2	C42,C40	220/25
8	8	C41,C57,C58,C90,C91,C92,C93,C94	CM10KpF
9	1	C44	XCP
10	2	R72,C45	X
11	1	C52	220pF
12	1	C97	CP33KpF
13	1	C98	CP10KpF
14	1	C134	CP *
15	2	C136,C135	CP.1uF
16	1	C137	CM100PF
17	3	DL1,DL2,DL3	LED
18	2	DZ1,DZ2	5V1/1W
19	2	DZ4,DZ3	12V/0.5
20	2	DZ6,DZ5	5V1/0.5W
21	14	D1,D2,D15,D16,D17,D18,D19,D21,D22,D23, D24,D25, D26,D27	BAV99B
22	10	D3,D4,D5,D6,D7,D8,D9,D11,D12,D30	BAT83
23	2	D14,D13	1N4004
24	1	D20	XBAV99B
25	1	D29	LM336-5.0V
26	4	FIX1,FIX2,FIX3,FIX4	FIX35
27	3	JP1,JP2,JP3	STRIP20
28	1	JP4	STRIP 5
29	1	JP5	STRIP 5X2
30	3	JP6,JP7,JP8	STRIP 2
31	2	OC1,OC2	TLP521-1
32	1	Q2	BC237
33	20	R1,R2,R3,R4,R5,R21,R22,R23,R24,R25,R41, R45,R46,R47,R59,R105,R108,R109,R118,R119	1K
34	16	R6,R7,R8,R9,R10,R26,R27,R28,R29,R30,R42,R54, R55,R60,R68,R86	100R
35	13	R11,R12,R13,R14,R15,R31,R32,R33,R34,R35, R43,R71, R75	100K
36	33	R16,R17,R18,R19,R20,R36,R37,R38,R39,R40,R44, R106,R107,R112,R113,R120,R124,R128,R134,R140, R144,R150,R156,R160,R165,R174,R177,R179,R181, R185,R190,R212,R214	2K2
37	64	R48,R49,R56,R57,R58,R62,R64,R66,R67,R70,R74, R76,R77,R79,R80,R83,R84,R87,R89,R90,R92,R96, R97,R99,R100,R102,R103,R104,R162,R164,R166, R170,R171,R172,R173,R175,R176,R178,R180, R182,R186,R188,R192,R194,R197,R199,R201, R202,R203,R204,R205,R206,R207,R208,R209, R210,R213,R215,R216,R219,R220,R227,R228,R230	10K
38	1	R52	25K5
39	4	R53,R65,R81,R82	20K
40	10	R61,R167,R168,R169,R191,R193,R195,R196, R198,R200	4K7
41	1	R63	39K
42	1	R69	59K
43	1	R78	2K7
44	1	R85	3K62
45	1	R95	16K9
46	1	R98	33K2
47	3	R101,R211,R217	1M
48	15	R110,R111,R114,R115,R121,R125,R131,R135, R141,R147,R151,R157,R221,R223,R226	47K
49	26	R116,R117,R122,R123,R126,R127,R129,R130, R132,R133,R136,R137,R138,R139,R142,R143, R145,R146,R148,R149,R152,R153,R154,R155, R158,R159	22R
50	1	R161	10M
51	2	R229,R163	330K
52	2	R187,R183	X2K2
53	1	R218	10R
54	2	R224,R222	10K5
55	1	R225	12K
56	1	TP1	3.3V
57	11	TR1,TR2,TR3,TR4,TR5,TR6,TR7,TR8,TR9,TR10,TR11	87W-20K
58	1	TR12	87W-10K
59	3	U1,U2,U3	LM324
60	1	U4	LM78M05CDT
61	4	U5,U6,U7,U8	TL074
62	3	U10,U12,U14	40106
63	2	U13,U11	ULN2004A
64	1	U15	MC68HC908GP32-QFP
65	1	U16	74HC273
66	1	U17	74HC574
67	1	U18	TLV5625
68	1	U19	74HC244
69	1	U20	SN75176AP
70	1	U21	74HC4053
71	1	U22	74HC139
72	1	U23	25C080
73	1	Y1	32.768 KHz

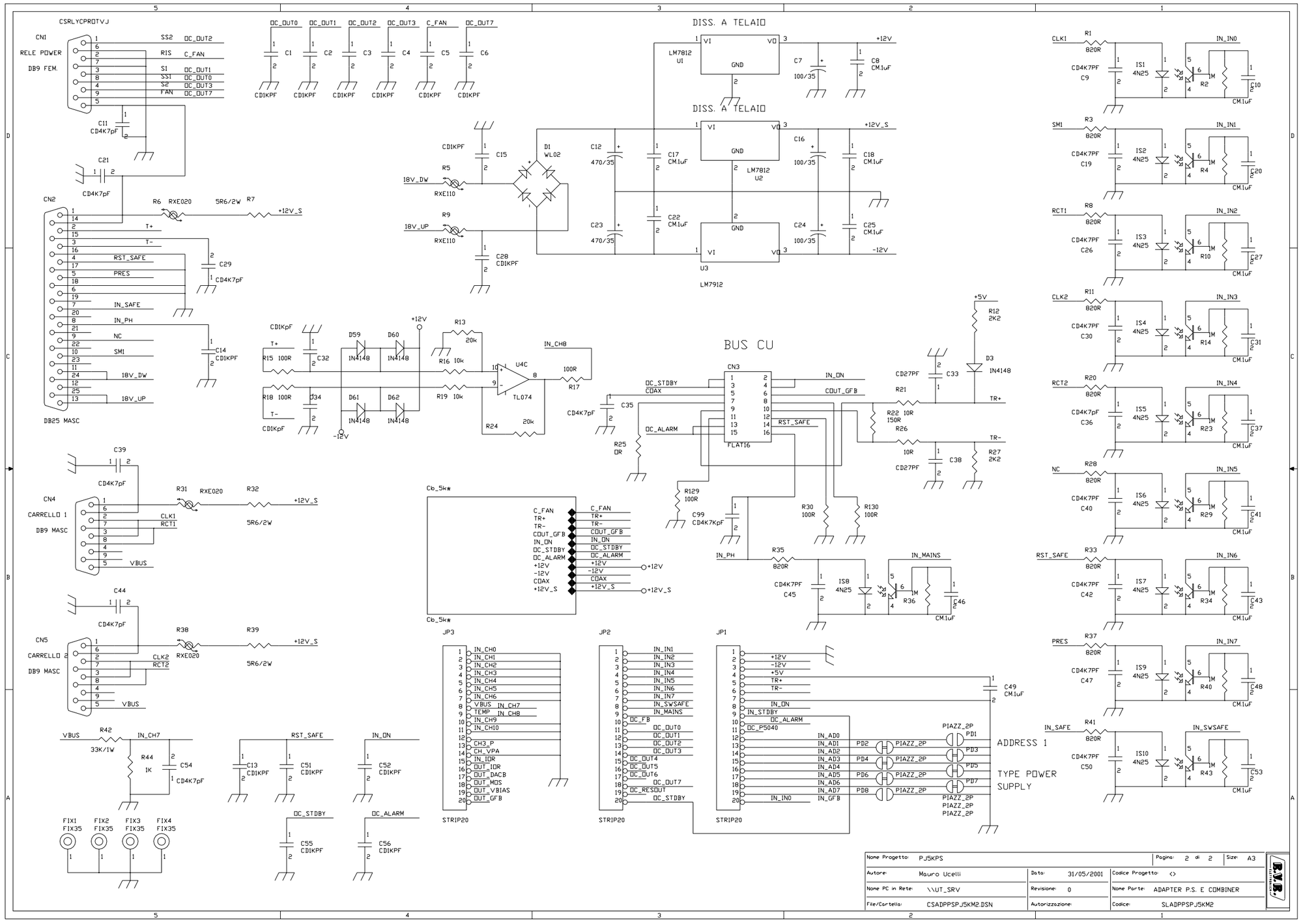
PS AND COMBINER CPU ADAPTER

SLADPPSPJ5KM2

LAYOUTS




CN6
POWER
DB9 FEM
DIR+
DIR-
RFL+
RFL-
TC+
TC-
RXE020
+12V_S
-12V
CD4K7pF
CN7
DB9 MASC
DIR_N+
DIR_N-
RFL_N+
RFL_N-
SBL_N+
SBL_N-
N+1
DB9 CN11
CN8
KDJ
DB9 FEM
REJ+
REJ-
TKD+
REJ_MP
CIN_IN0
R101
R102
C69
C70
CN9
INPUT
DB9 MASC
DIV+
DIV-
LOAD+
LOAD-
CDAX
R117
R118
C76
C77
C71
K1
TQ2-12V
CN10
CN16AP
SEL_0
SEL_2
SEL_3
SEL_4
SEL_5
SEL_6
SEL_7
GALVANOMETRO
C79
R121
C81
R125 1K
OUT_DACB
R126
C84
C88 CM.1uF
C89 CM.1uF
C90 CM.1uF
C91 CM.1uF
C87 1/25
C92 CM.1uF
C93 CM.1uF
C94 CM.1uF
C95 CM.1uF
C96 1/25
CDIKpF
DIR+
DIR-
RFL+
RFL-
R48 100R
R57 100R
R50 100R
R59 100R
C57
C60
C58
C61
D5
D8
D11
D14
D6
D9
D12
D15
IN4148
R45 20k
R49 10k
R58 10k
R64 20k
R46 20k
R51 10k
R60 10k
R65 20k
U4D
U4B
TL074
CIN_CH0
CIN_CH1
100R
R54
R55
DIR_N+
DIR_N-
DSS-22KpF
R71
R80
R68 20k
R72 10k
R77 10k
R86 20k
D17
D20
D23
D26
U5B
CIN_CH3
R74
RFL_N+
RFL_N-
R73
R83
R69 20k
R75 10k
R81 10k
R87 20k
D18
D21
D24
D27
U5D
CIN_CH4
R78
REJ+
REJ-
R91 100R
R97 100R
C65
C67
D29
D31
D33
D35
D37
R89 20k
R92 10k
R98 10k
R103
U5A
UNB_AN
R95
TKD+
R93 100R
C66
C104 1/25
D30
D32
R94 10k
U6C
CIN_CH8
R96
LOAD+
LOAD-
R107 100R
R113 100R
C72
C74
D38
D40
D41
D43
D44
R105 20k
R108 10k
R114 10k
R119
R106 20k
R110 10k
R116 10k
R120 20k
U6A
U6B
CIN_CH2
CIN_CH6
R111
R112
TC+
TC-
R52 100R
R61 100R
C59
C62
C63
C64
R47 20k
R53 10k
R62
R66 20k
D7
D10
D13
D16
R56
CIN_CH10
SBL_N+
DSS-22KpF
R76
R85
R70 20k
R79 10k
R84 10k
R88 20k
D22
D19
D25
D28
U5C
CIN_CH5
R82
FIX5 FIX35
FIX6 FIX35
FIX7 FIX35
FIX8 FIX35
SEL_0
SEL_2
SEL_3
SEL_4
SEL_5
SEL_6
SEL_7
C78
C80
C82
C83
C86
C97
C98
JP4
+12V
-12V
+5V
TR+
TR-
IN_GBF
IN_ON
IN_STDBY
OC_PS040
OC_ALARM
CIN_AD0
CIN_AD1
CIN_AD2
CIN_AD3
CIN_AD4
CIN_AD5
CIN_AD6
CIN_AD7
CLIXSON
CIN_IN0
PIAZZ_2P
PD9
PD10
PD11
PD12
PD13
PD14
PD15
PD16
STRIP20
ADDRESS 4
TYPE POWER
COMBI
JP5
IN_IN1
IN_IN2
IN_IN3
IN_IN4
IN_IN5
IN_IN6
IN_IN7
SWSAFE
IN_MAINS
UNB_AN
OC_OUT0
OC_OUT1
OC_OUT2
OC_OUT3
OC_OUT4
OC_OUT5
OC_OUT6
OC_OUT7
OC_RESOUT
OC_STDBY
C_FAN
ASSEGNAZIONE INDIRIZZI
0 = RISERVATO
1 = POWER SUPPLY
4 = COMBINAT
8 = PA-XX
JP6
PWR DIR
PWR RFL
PWR INP DIV
PWR DIR N+1
PWR RFL N+1
PWR SBIL N+1
PWR INP2 LUAD
TEMP KDJ
PWR REJ
TEMP ARIA
CH3_P
CH_VPA
IN_IUR
OUT_IUR
OUT_DACB
OUT_MOS
OUT_VBIAS
OUT_GFB
JUMPER JP7
U7A
U7B
U7C
U7D
LM324
R122
R123
R124
R127
R128
150R
10R
OUT_GFB
COUT_GFB
D48 IN4148
D51 IN4148
D63 IN4148
D64 IN4148
R131
C102
R132
R133
C103 CM.1uF
C85
REJ_MP
SEL V1S1
SEL V1S2
SEL V1S3
CIN_IN5
CIN_IN6
CIN_IN7
D45
D46
D47
D49
D50
D52
D53
D54
D55
D56
D57
D58
BAT83
Name Progettop_J5KPS - Adapter PS and Combiner
Pagina: 1 di 2
Size: A3
Autore: Mauro Ucelli
Data: 31/05/2001
Codice Progetto: <>
Name PC in Rete: \\UT_SRV
Revisione: 0
Name Parte: ADAPTER PS / COMB - Cb_5kw
File/Cartella: CSADPPSPJ5KM2.DSN
Autorizzazione:
Codice: SLADPPSPJ5K2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CN1
RELE POWER
DB9 FEM.
SS2 OC_OUT2
RIS C_FAN
S1 OC_OUT1
SS1 OC_OUT0
S2 OC_OUT3
FAN OC_OUT7
C11 CD4K7pF
C21 CD4K7pF
CN2
DB25 MASC
R6 RXE020
5R6/2W R7
+12V_S
T+
T-
RST_SAFE
PRES
IN_SAFE
IN_PH
NC
SM1
18V_DW
18V_UP
C29 CD4K7pF
C14 CDIKPF
OC_OUT0 OC_OUT1 OC_OUT2 OC_OUT3 C_FAN OC_OUT7
C1 C2 C3 C4 C5 C6
CDIKPF
DISS. A TELAIO
LM7812 U1
C7 100/35
C8 CM.1uF
+12V
DISS. A TELAIO
D1 WL02
C15 CDIKPF
R5 RXE110
R9 RXE110
18V_DW
18V_UP
C28 CDIKPF
C12 470/35
C17 CM.1uF
C23 470/35
C22 CM.1uF
LM7812 U2
C16 100/35
C18 CM.1uF
C24 100/35
C25 CM.1uF
+12V_S
-12V
U3
LM7912
CDIKpF
T+
T-
R15 100R
R18 100R
C32
C34
D59 IN4148
D60 IN4148
D61 IN4148
D62 IN4148
+12V
-12V
R13 20k
R16 10k
R19 10k
U4C
TL074
R24 20k
IN_CH8
100R
R17
BUS CU
CN3
FLAT16
OC_STDBY
COAX
OC_ALARM
IN_ON
COUT_GFB
RST_SAFE
C35 CD4K7pF
R25 0R
R129 100R
C99 CD4K7KpF
R30 100R
R130 100R
+5V
R12 2K2
D3 IN4148
TR+
TR-
R27 2K2
C33 CD27PF
R21
R22 10R
150R
R26
10R
CD27PF
C38
Cb_5kw
C_FAN
TR+
TR-
COUT_GFB
IN_ON
OC_STDBY
OC_ALARM
+12V
-12V
COAX
+12V_S
IN_PH
R35 820R
CD4K7PF C45
IS8 4N25
IN_MAINS
R36
C46 CM.1uF
CLK1 R1 820R
CD4K7PF C9
IS1 4N25
IN_IN0
R2
C10 CM.1uF
SM1 R3 820R
CD4K7PF C19
IS2 4N25
IN_IN1
R4
C20 CM.1uF
RCT1 R8 820R
CD4K7PF C26
IS3 4N25
IN_IN2
R10
C27 CM.1uF
CLK2 R11 820R
CD4K7PF C30
IS4 4N25
IN_IN3
R14
C31 CM.1uF
RCT2 R20 820R
CD4K7pF C36
IS5 4N25
IN_IN4
R23
C37 CM.1uF
NC R28 820R
CD4K7PF C40
IS6 4N25
IN_IN5
R29
C41 CM.1uF
RST_SAFE R33 820R
CD4K7PF C42
IS7 4N25
IN_IN6
R34
C43 CM.1uF
PRES R37 820R
CD4K7PF C47
IS9 4N25
IN_IN7
R40
C48 CM.1uF
IN_SAFE R41 820R
CD4K7PF C50
IS10 4N25
IN_SWSAFE
R43
C53 CM.1uF
CN4
CARRELLO 1
DB9 MASC
R31 RXE020
R32 5R6/2W
+12V_S
CLK1
RCT1
VBUS
C39 CD4K7pF
CN5
CARRELLO 2
DB9 MASC
R38 RXE020
R39 5R6/2W
+12V_S
CLK2
RCT2
VBUS
C44 CD4K7pF
VBUS
R42 33K/1W
IN_CH7
R44 1K
C54 CD4K7pF
RST_SAFE
C13 CDIKPF
C51 CDIKPF
IN_ON
C52 CDIKPF
OC_STDBY
C55 CDIKPF
OC_ALARM
C56 CDIKPF
FIX1 FIX35
FIX2 FIX35
FIX3 FIX35
FIX4 FIX35
JP3
STRIP20
IN_CH0
IN_CH1
IN_CH2
IN_CH3
IN_CH4
IN_CH5
IN_CH6
VBUS IN_CH7
TEMP IN_CH8
IN_CH9
IN_CH10
CH3_P
CH_VPA
IN_IDR
OUT_IDR
OUT_DACB
OUT_MOS
OUT_VBIAS
OUT_GFB
JP2
STRIP20
IN_IN1
IN_IN2
IN_IN3
IN_IN4
IN_IN5
IN_IN6
IN_IN7
IN_SWSAFE
IN_MAINS
OC_FB
OC_OUT0
OC_OUT1
OC_OUT2
OC_OUT3
OC_OUT4
OC_OUT5
OC_OUT6
OC_OUT7
OC_RESOUT
OC_STDBY
JP1
STRIP20
+12V
-12V
+5V
TR+
TR-
IN_ON
OC_ALARM
OC_P5040
IN_STDBY
IN_AD0
IN_AD1
IN_AD2
IN_AD3
IN_AD4
IN_AD5
IN_AD6
IN_AD7
IN_GFB
IN_IN0
C49 CM.1uF
PIAZZ_2P
PD1
PD2
PD3
PD4
PD5
PD6
PD7
PD8
ADDRESS 1
TYPE POWER
SUPPLY
Nome Progetto: PJ5KPS
Pagina: 2 di 2
Size: A3
Autore: Mauro Ucelli
Data: 31/05/2001
Codice Progetto: <>
Nome PC in Rete: \\UT_SRV
Revisione: 0
Nome Parte: ADAPTER P.S. E COMBINER
File/Cartella: CSADPPSPJ5KM2.DSN
Autorizzazione:
Codice: SLADPPSPJ5KM2

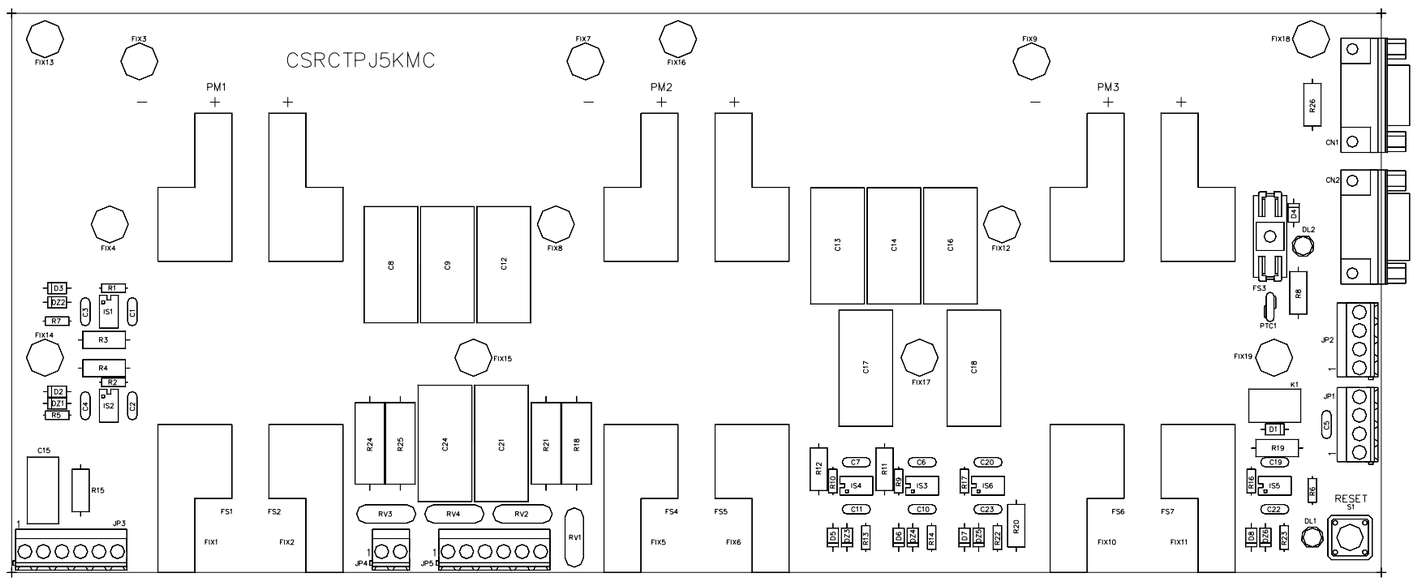
BILLS OF MATERIAL

Item	Quantity	Reference	Part
1	1	CN1/CN11	DB9 FEM.
2	1	CN2	DB25 MASC
3	1	CN3	FLAT16
4	4	CN4,CN5,CN7,CN9	DB9 MASC
5	2	CN8,CN6	DB9 FEM
6	1	CN10	CON16AP
7	40	C1,C2,C3,C4,C5,C6,C13,C14,C15,C28,C32, C34,C51,C52,C55,C56,C57,C58,C59,C60,C61, C62,C65,C66,C67,C71,C72,C73,C74,C75,C78, C80,C81,C82,C83,C85,C86,C97,C98,C102	CD1KPF
8	3	C7,C16,C24	100/35
9	25	C8,C10,C17,C18,C20,C22,C25,C27,C31, C37,C41,C43,C46,C48,C49,C53,C88,C89, C90,C91,C92,C93,C94,C95, C103	CM.1uF
10	26	C9,C11,C19,C21,C26,C29, C30,C35,C36,C39,C40,C42, C44,C45,C47,C50,C54,C63, C64,C69,C70,C76,C77,C79, C84,C101	CD4K7pF
11	2	C12,C23	470/35
12	2	C33,C38	CD27PF
13	3	C87,C96,C104	1/25
14	1	C99	CD4K7KpF
15	1	D1	WL02
16	47	D3,D5,D6,D7,D8,D9,D10, D11,D12,D13,D14,D15,D16, D17,D18,D19,D20,D21,D22, D23,D24,D25,D26,D27,D28, D29,D30,D31,D32,D33,D35, D37,D38,D39,D40,D41,D42, D43,D44,D48,D51,D59,D60, D61,D62,D63,D64	1N4148
17	12	D45,D46,D47,D49,D50,D52, D53,D54,D55,D56,D57,D58	BAT83
18	8	FIX1,FIX2,FIX3,FIX4,FIX5, FIX6,FIX7,FIX8	FIX35
19	6	F1,F2,F3,F4,F5,F6	DSS-22KpF
20	10	IS1,IS2,IS3,IS4,IS5,IS6, IS7,IS8,IS9,IS10	4N25
21	6	JP1,JP2,JP3,JP4,JP5,JP6	STRIP20
22	1	JP7	JUMPER
23	1	K1	TQ2-12V
24	16	PD1,PD2,PD3,PD4,PD5,PD6, PD7,PD8,PD9,PD10,PD11, PD12,PD13,PD14,PD15,PD16	PIAZZ_2P
25	10	R1,R3,R8,R11,R20,R28,R33, R35,R37,R41	820R
26	10	R2,R4,R10,R14,R23,R29, R34,R36,R40,R43	1M
27	2	R5,R9	RXE110
28	11	R6,R31,R38,R63,R67,R101, R102,R117,R118,R121,R126	RXE020
29	3	R7,R32,R39	5R6/2W
30	2	R27,R12	2K2
31	20	R13,R24,R45,R46,R47,R64, R65,R66,R68,R69,R70,R86, R87,R88,R89,R103,R105, R106,R119,R120	20k
32	37	R15,R17,R18,R30,R48,R50, R52,R54,R55,R56,R57,R59, R61,R71,R73,R74,R76,R78, R80,R82,R83,R85,R91,R93, R95,R96,R97,R107,R109, R111,R112,R113,R115,R129, R130,R131,R133	100R
33	22	R16,R19,R49,R51,R53,R58, R60,R62,R72,R75,R77,R79, R81,R84,R92,R94,R98,R108, R110,R114,R116,R132	10k
34	3	R21,R26,R124	10R
35	5	R22,R122,R123,R127,R128	150R
36	1	R25	OR
37	1	R42	33K/1W
38	2	R125,R44	1K
39	2	U1,U2	LM7812
40	1	U3	LM7912
41	3	U4,U5,U6	TL074
42	1	U7	LM324

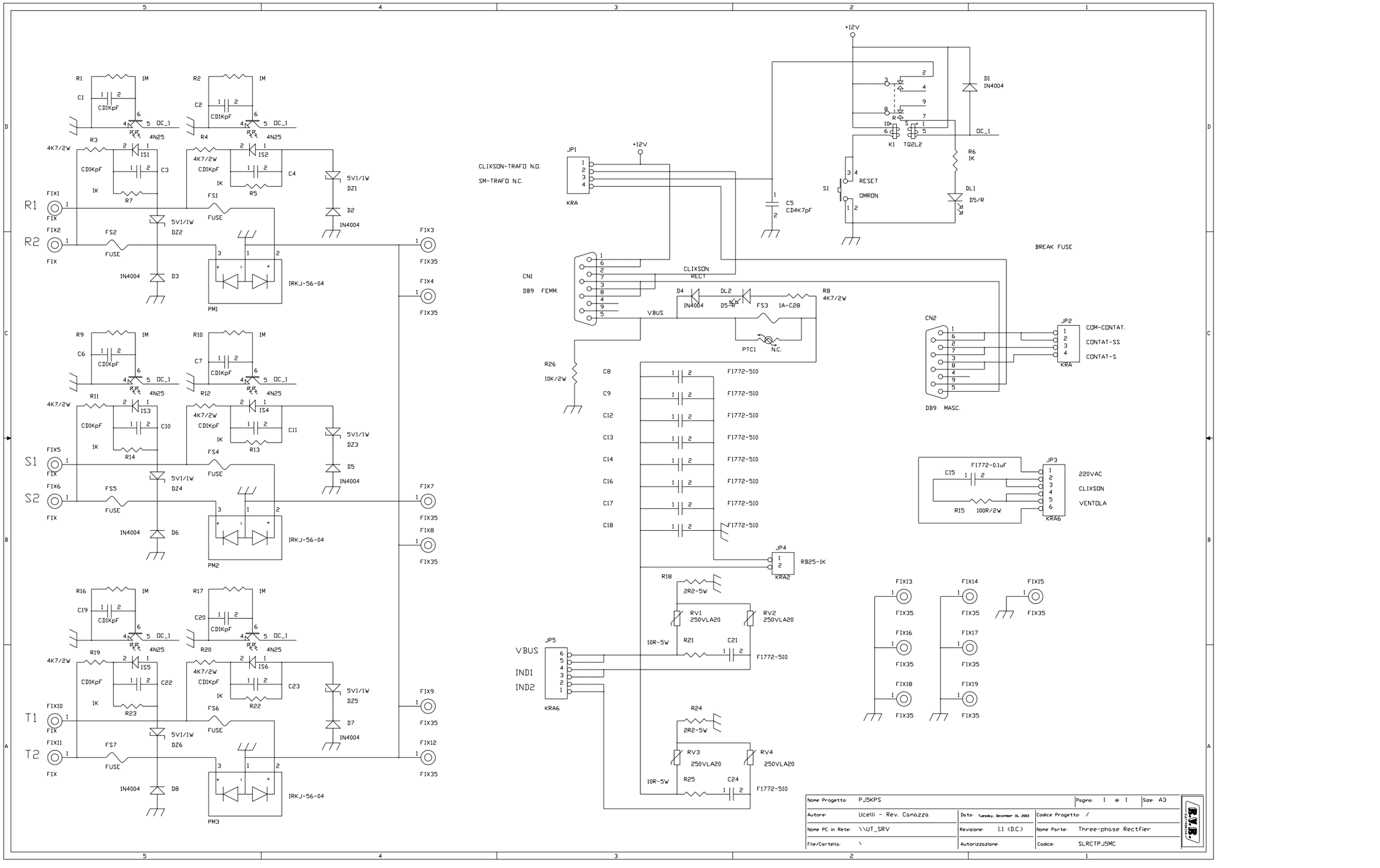
THREE-PHASE RECTIFIER

SLRCTPJ5KMC

LAYOUTS



Nome Progetto:	PJ5KPS – Rectifier board			Pagina: 1 di 1	Size: A4
Autore:	Ucelli – Rev.: Canazza	Data:	17/10/2002	Codice Progetto:	
Nome PC in Rete:	\\UT_SRV	Revisione:	1.0 (DC)	Nome Parte:	Three-phase rectifier
File/Cartella:	RCTPJK5_LY.DWG	Autorizzazione:		Codice:	CSRCTPJ5KMC
Scala: <>	Materiale: <>	Trattamento:	<>	Profilo:	<>



Nome Progetto:	PJ5KPS	Pagina: 1 di 1	Size: A3
Autore:	Ucelli - Rev. Canazza	Data: Tuesday, December 16, 2003	Codice Progetto: /
Nome PC in Rete:	\\UT_SRV	Revisione: 1.1 (D.C.)	Nome Parte: Three-phase Rectfier
File/Cartella:	\	Autorizzazione:	Codice: SLRCTPJ5MC

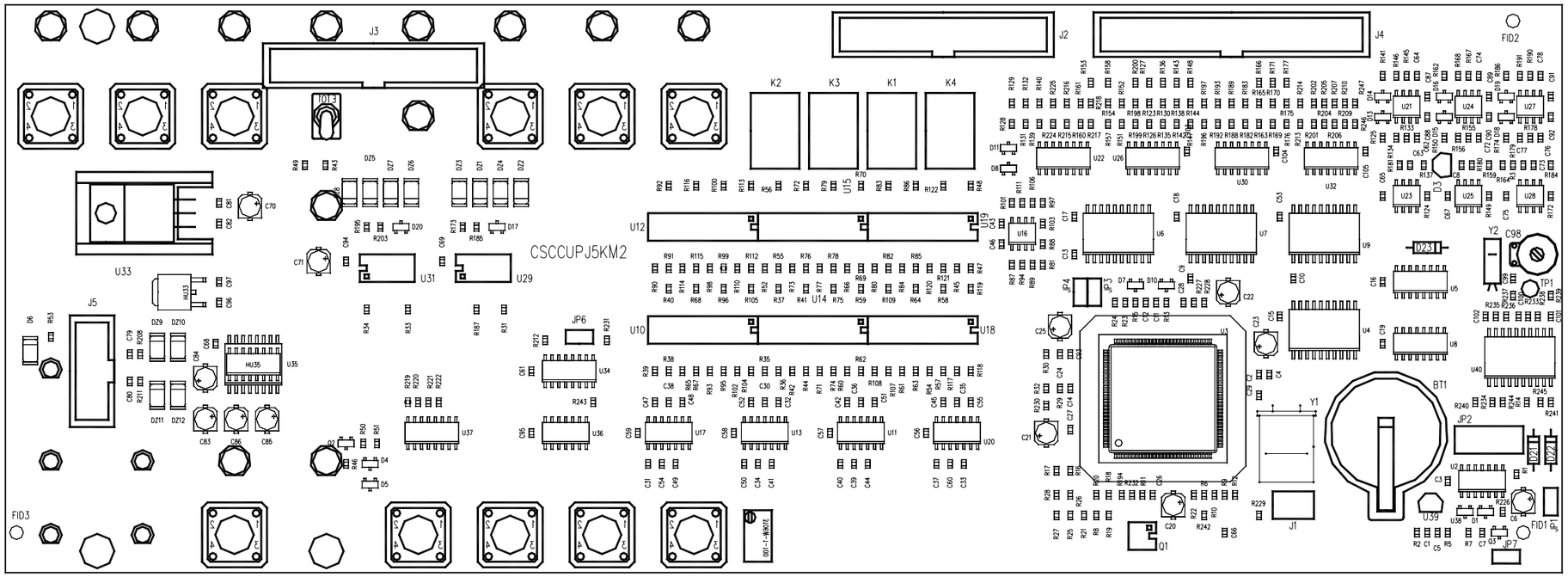
BILLS OF MATERIAL

Item	Quantity	Reference	Part
1	1	CN1	DB9 FEMM.
2	1	CN2	DB9 MASC.
3	12	C1,C2,C3,C4,C6,C7,C10,C11,C19,C20,C22,C23	CD1KPF
4	1	C5	CD4K7PF
5	10	C8,C9,C12,C13,C14,C16,C17,C18,C21,C24	F1772-510
6	1	C15	F17720-0.1uF
7	1	DL1	D6R
8	1	DL2	D6R
9	6	DZ1,DZ2,DZ3,DZ4,DZ5,DZ6	5/1/1W
10	7	D1,D2,D3,D5,D6,D7,D8	1N4004
11	1	D4	IN4004
12	6	FIX1,FIX2,FIX5,FIX6,FIX10,FIX11	FIX
13	13	FIX3,FIX4FIX7,FIX8,FIX9, FIX12,FIX13,FIX14,FIX15, FIX16,FIX17,FIX18,FIX19	FIX35
14	6	FS1,FS2,FS4,FS5,FS6,FS7	FUSE
15	1	FS3	1A-C2B
16	6	IS1,IS2,IS3,IS4,IS5,IS6	4N25
17	2	JP2,JP1	KRA
18	2	JP3,JP5	KRA6
19	1	JP4	KRA2
20	1	K1	TQ2L2
21	3	PM1,PM2,PM3	IRQKJ-56-04
22	1	PTC1	N.C.
23	4	RV1,RV2,RV3,RV4	250VLA20
24	6	R1,R2,R9,R10,R16,R17	1M
25	7	R3,R4,R8,R11,R12,R19,R20	4K7/2W
26	7	R5,R6,R7,R13,R14,R22,R23	1K
27	1	R15	100R/2W
28	2	R18,R24	2R2-5W
29	2	R25,R21	10R-5W
30	1	R26	10W/2W
31	1	S1	OMRON

CONTROL UNIT CPU BOARD

SLCCUPJ5KM2

LAYOUTS



Nome Progetto:	PJ5KPS - Scheda CCU			Pagina: 1 di 1	Size: A3
Autore:	Griptech - Rev.: Canazza	Data:	07/10/2002	Codice Progetto:	<>
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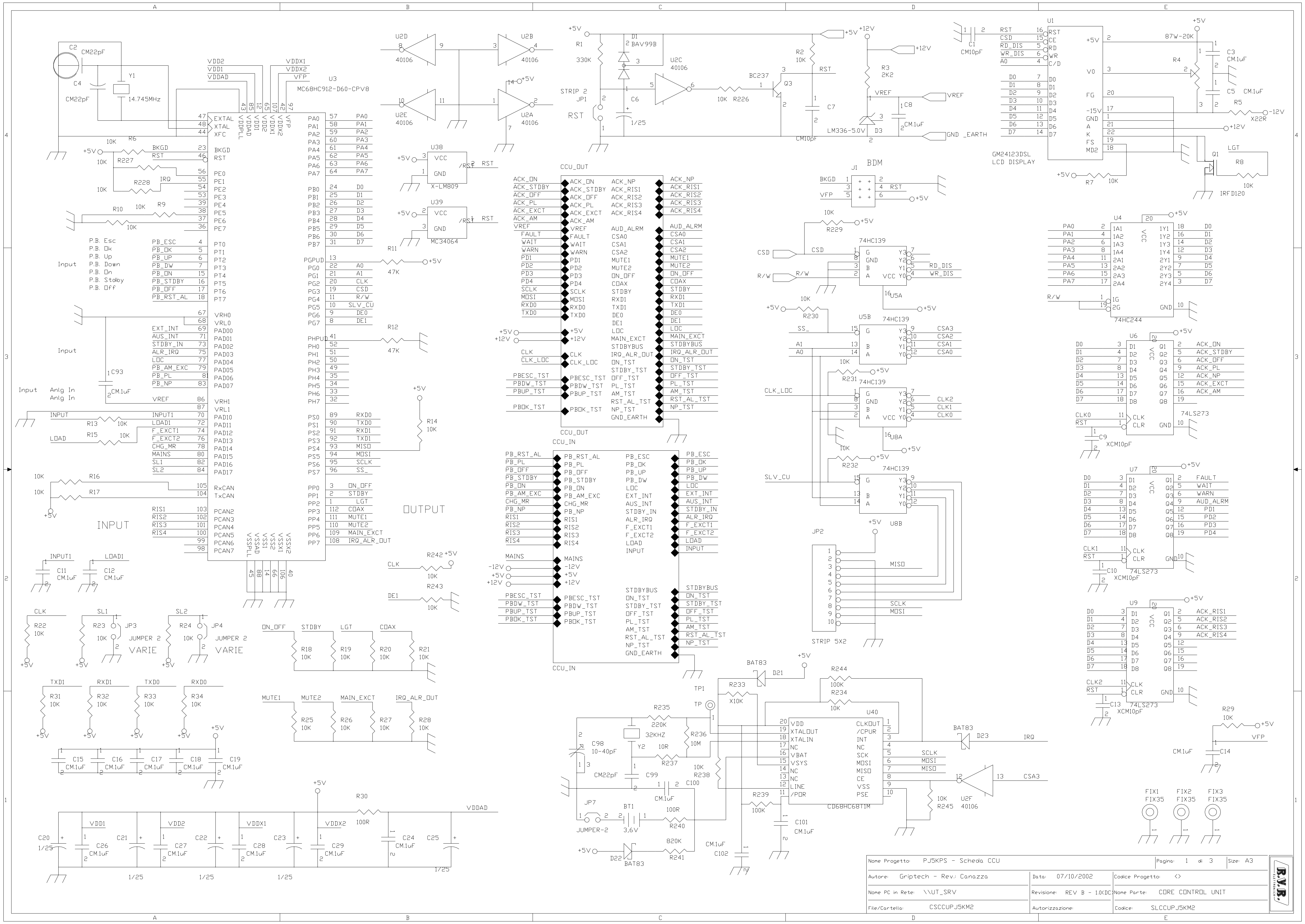
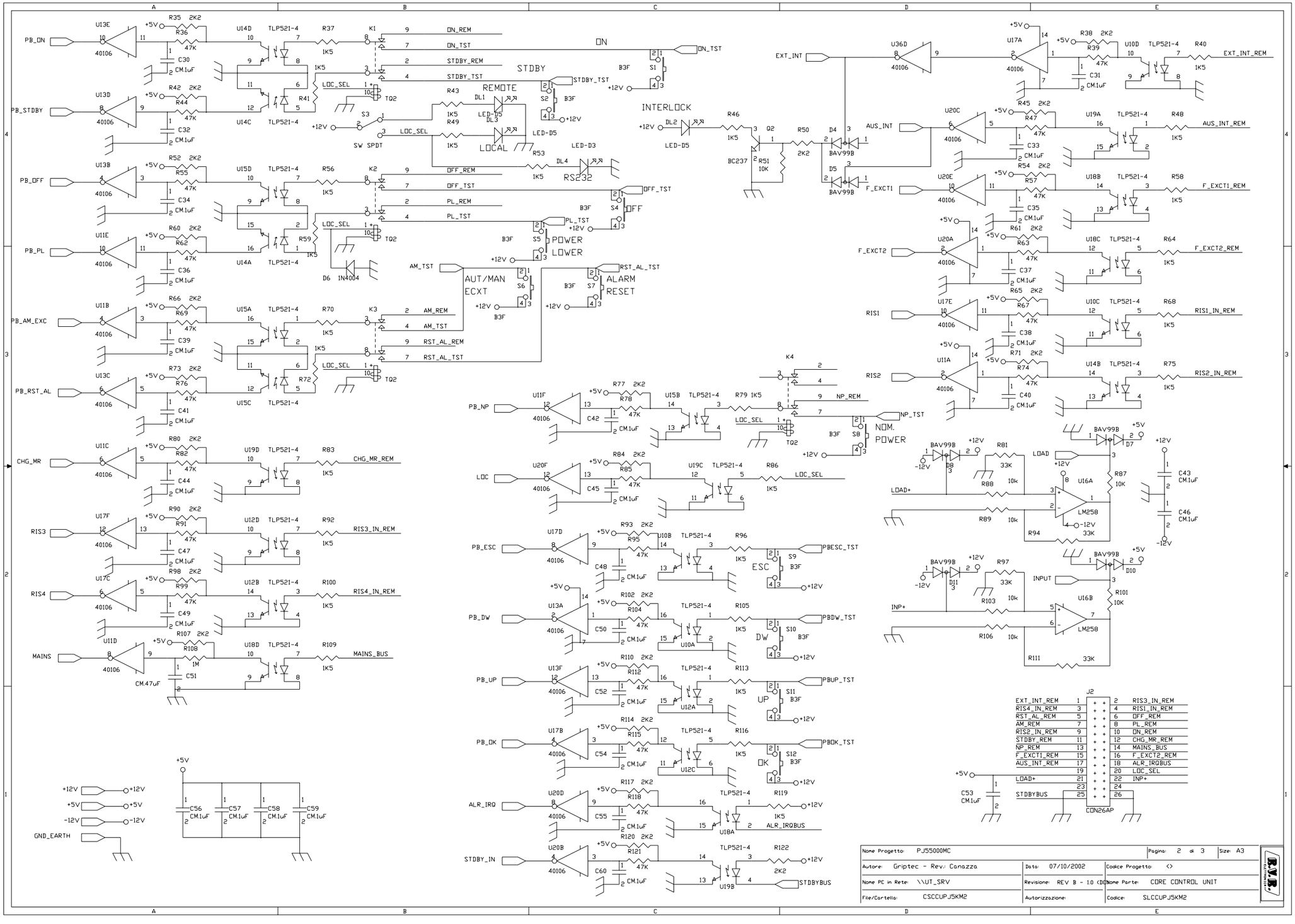
File/Cartella:	PJ5_CCU_MNT.DWG	Autorizzazione:		Codice:	SLCCUPJ5KM2
Scala: <>	Materiale: <>	Trattamento:	<>	Profilo:	<>

SCHEMATICS


INPUT
OUTPUT
Nome Progetto: PJ5KPS - Scheda CCU
Pagina: 1 di 3
Size: A3
Autore: Griptech - Rev./ Canazza
Data: 07/10/2002
Nome PC in Rete: \\UT_SRV
Revisione: REV B - 10/DC
Nome Parte: CORE CONTROL UNIT
File/Cartella: CSCCUPJ5KM2
Codice: SLCCUPJ5KM2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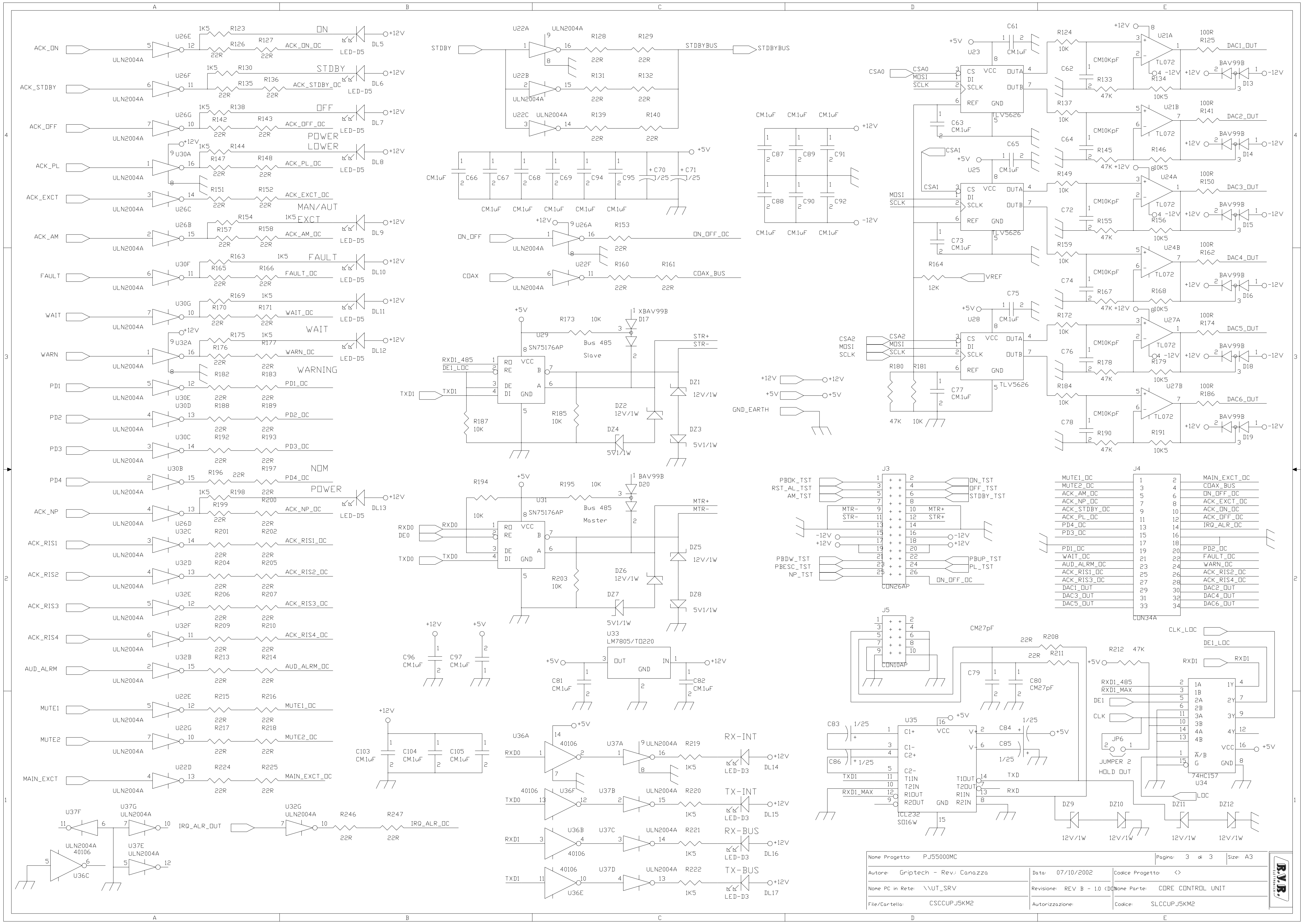
PB_STDBY
PB_OFF
PB_PL
PB_AM_EXC
PB_RST_AL
CHG_MR
RIS3
RIS4
MAINS
PB_NP
LOC
PB_ESC
PB_DW
PB_UP
PB_OK
ALR_IRQ
STDBY_IN
ON
STDBY
REMOTE
LOCAL
SW SPDT
INTERLOCK
RS232
POWER
LOWER
AUT/MAN
ECXT
ALARM
RESET
NOM.
POWER
ESC
DW
UP
OK
LOAD
INPUT
EXT_INT
AUS_INT
F_EXCT1
F_EXCT2
RIS1
RIS2
LOAD+
INP+
STDBYBUS
ON_REM
ON_TST
STDBY_REM
STDBY_TST
OFF_REM
OFF_TST
PL_REM
PL_TST
AM_REM
AM_TST
RST_AL_REM
RST_AL_TST
NP_REM
NP_TST
LOC_SEL
PBESC_TST
PBDW_TST
PBUP_TST
PBOK_TST
ALR_IRQBUS
EXT_INT_REM
AUS_INT_REM
F_EXCT1_REM
F_EXCT2_REM
RIS1_IN_REM
RIS2_IN_REM
RIS3_IN_REM
RIS4_IN_REM
MAINS_BUS
CHG_MR_REM
+5V
+12V
-12V
GND_EARTH
CDN26AP
Nome Progetto: PJ55000MC
Pagina: 2 di 3
Size: A3
Autore: Griptec - Rev.: Canazza
Data: 07/10/2002
Codice Progetto: <>
Nome PC in Rete: \\UT_SRV
Revisione: REV B - 1.0 <DC
Nome Parte: CORE CONTROL UNIT
File/Cartella: CSCCUPJ5KM2
Autorizzazione:
Codice: SLCCUPJ5KM2


Nome Progetto: PJ5000MC
Pagina: 3 di 3
Size: A3
Autore: Griptech - Rev: Canazza
Data: 07/10/2002
Codice Progetto: <>
Nome PC in Rete: \\UT_SRV
Revisione: REV B - 1.0
Nome Parte: CORE CONTROL UNIT
File/Cartella: CSCCUPJ5KM2
Autorizzazione:
Codice: SLCCUPJ5KM2

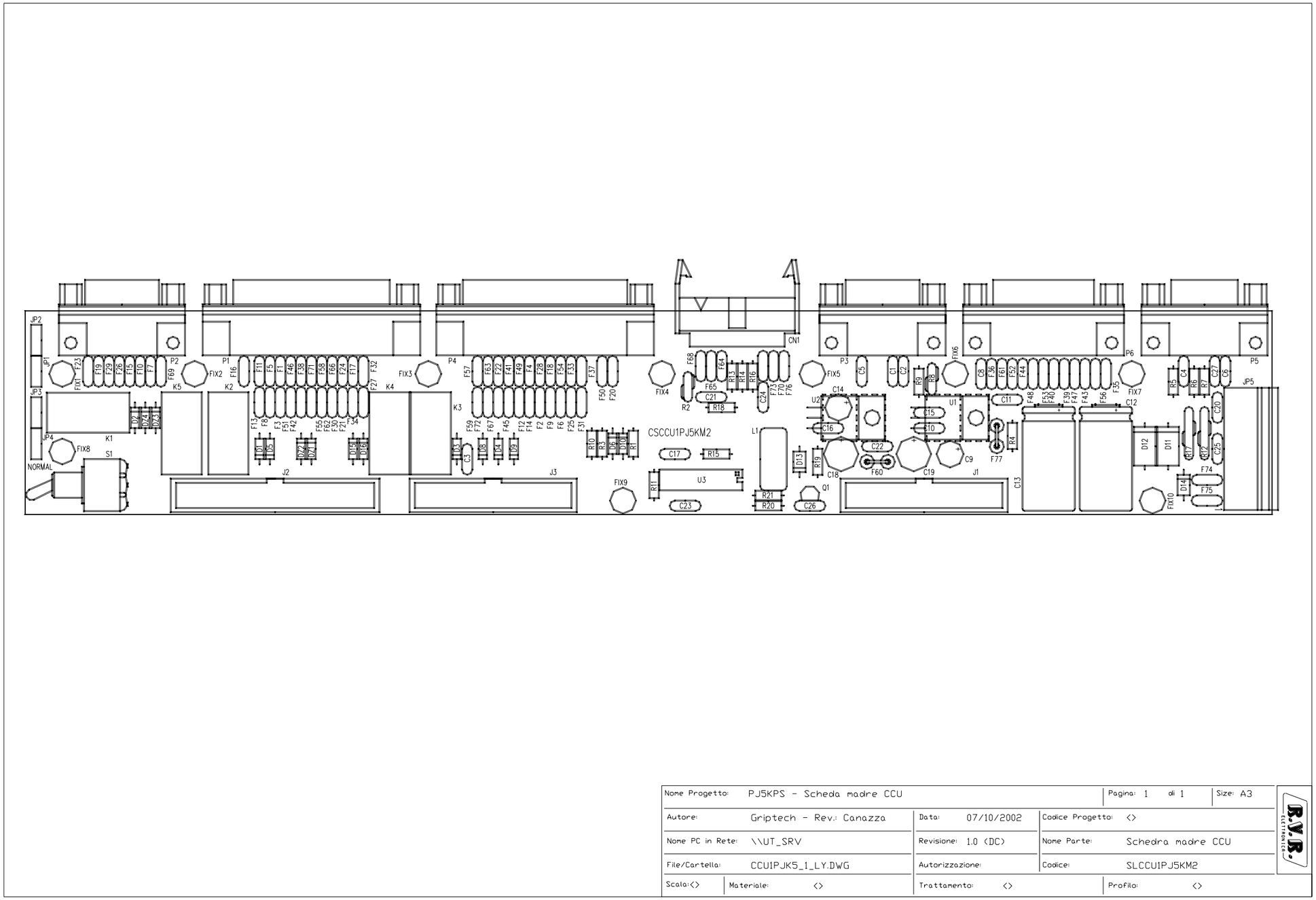
BILLS OF MATERIAL

Item	Quantity	Reference	Part
1	1	BT1	3,6V
2	2	C1,C7	CM10pF
3	3	C2,C4,C99	CM22pF
4	75	C3,C5,C8,C11,C12,C14,C15,C16,C17,C18,C19, C24,C26,C27,C28,C29,C30,C31,C32,C33,C34, C35,C36,C37,C38,C39,C40,C41,C42,C43,C44, C45,C46,C47,C48,C49,C50,C52,C53,C54,C55, C56,C57,C58,C59,C60,C61,C63,C65,C66,C67, C68,C69,C73,C75,C77,C81,C82,C87,C88,C89, C90,C91,C92,C93,C94,C95,C96,C97,C100, C101,C102,C103,C104,C105	CM.1uF
5	12	C6,C20,C21,C22,C23,C25,C70,C71,C83,C84, C85,C86	1/25
6	3	C9,C10,C13	XCM10pF
7	1	C51	CM.47uF
8	6	C62,C64,C72,C74,C76,C78	CM10KpF
9	2	C80,C79	CM27pF
10	1	C98	10-40pF
11	12	DL1,DL2,DL3,DL5,DL6,DL7,DL8,DL9,DL10, DL11,DL12,DL13	LED-D5
12	5	DL4,DL14,DL15,DL16,DL17	LED-D3
13	8	DZ1,DZ2,DZ5,DZ6,DZ9,DZ10, DZ11,DZ12	12V/1W
14	4	DZ3,DZ4,DZ7,DZ8	5V1/1W
15	14	D1,D4,D5,D7,D8,D10,D11,D13,D14,D15,D16, D18,D19,D20	BAV99B
16	1	D3	LM336-5.0V
17	1	D6	1N4004
18	1	D17	XBAV99B
19	3	D21,D22,D23	BAT83
20	3	FIX1,FIX2,FIX3	FIX35
21	1	JP1	STRIP 2
22	1	JP2	STRIP 5X2
23	3	JP3,JP4,JP6	JUMPER 2
24	1	JP7	JUMPER-2
25	1	J1	BDM
26	2	J3,J2	CON26AP
27	1	J4	CON34A
28	1	J5	CON10AP
29	4	K1,K2,K3,K4	TQ2
30	1	Q1	IRFD120
31	2	Q3,Q2	BC237
32	1	R1	330K
33	59	R2,R6,R7,R8,R9,R10,R13,R14,R15,R16,R17, R18,R19,R20,R21,R22,R23,R24,R25,R26,R27, R28,R29,R31,R32,R33,R34,R51,R87,R88,R89, R101,R103,R106,R124,R137,R149,R159,R172, R173,R181,R184,R185,R187,R194,R195,R203, R226,R227,R228,R229,R230,R231,R232,R234, R238,R242,R243,R245	10K
34	27	R3,R35,R38,R42,R45,R50,R52,R54,R60,R61, R65,R66,R71,R73,R77,R80,R84,R90,R93,R98, R102,R107,R110,R114,R117,R120,R122	2K2
35	1	R4	87W-20K
36	1	R5	X22R
37	33	R11,R12,R36,R39,R44,R47,R55,R57,R62,R63, R67,R69,R74,R76,R78,R82,R85,R91,R95,R99, R104,R112,R115,R118,R121,R133,R145,R155, R167,R178,R180,R190,R212	47K
38	8	R30,R125,R141,R150,R162,R174,R186,R240	100R
39	40	R37,R40,R41,R43,R46,R48,R49,R53,R56,R58, R59,R64,R68,R70,R72,R75,R79,R83,R86,R92, R96,R100,R105,R109,R113,R116,R119,R123, R130,R138,R144,R154,R163,R169,R175,R198, R219,R220,R221,R222	1K5
40	4	R81,R94,R97,R111	33K
41	1	R108	1M
42	57	R126,R127,R128,R129,R131,R132,R135,R136, R139,R140,R142,R143,R147,R148,R151,R152, R153,R157,R158,R160,R161,R165,R166,R170, R171,R176,R177,R182,R183,R188,R189,R192, R193,R196,R197,R199,R200,R201,R202,R204, R205,R206,R207,R208,R209,R210,R211,R213, R214,R215,R216,R217,R218,R224,R225,R246,R247	22R
43	6	R134,R146,R156,R168,R179,R191	10K5
44	1	R164	12K
45	1	R233	X10K
46	1	R235	220K
47	1	R236	10M
48	1	R237	10R
49	2	R239,R244	100K
50	1	R241	820K
51	11	S1,S2,S4,S5,S6,S7,S8,S9,S10,S11,S12	B3F
52	1	S3	SW SPDT
53	1	TP1	TP
54	1	U1	GM24123DSL
55	6	U2,U11,U13,U17,U20,U36	40106
56	1	U3	MC68HC912-D60-CPV8
57	1	U4	74HC244
58	2	U8,U5	74HC139
59	3	U6,U7,U9	74LS273
60	6	U10,U12,U14,U15,U18,U19	TLP521-4
61	1	U16	LM258
62	3	U21,U24,U27	TL072
63	5	U22,U26,U30,U32,U37	ULN2004A
64	3	U23,U25,U28	TLV5626
65	2	U29,U31	SN75176AP
66	1	U33	LM7805/TO220
67	1	U34	74HC157
68	1	U35	ICL232
69	1	U38	X-LM809
70	1	U39	MC34064
71	1	U40	CD68HC68T1M
72	1	Y1	14.745MHz
73	1	Y2	32KHZ

CONTROL UNIT MOTHERBOARD

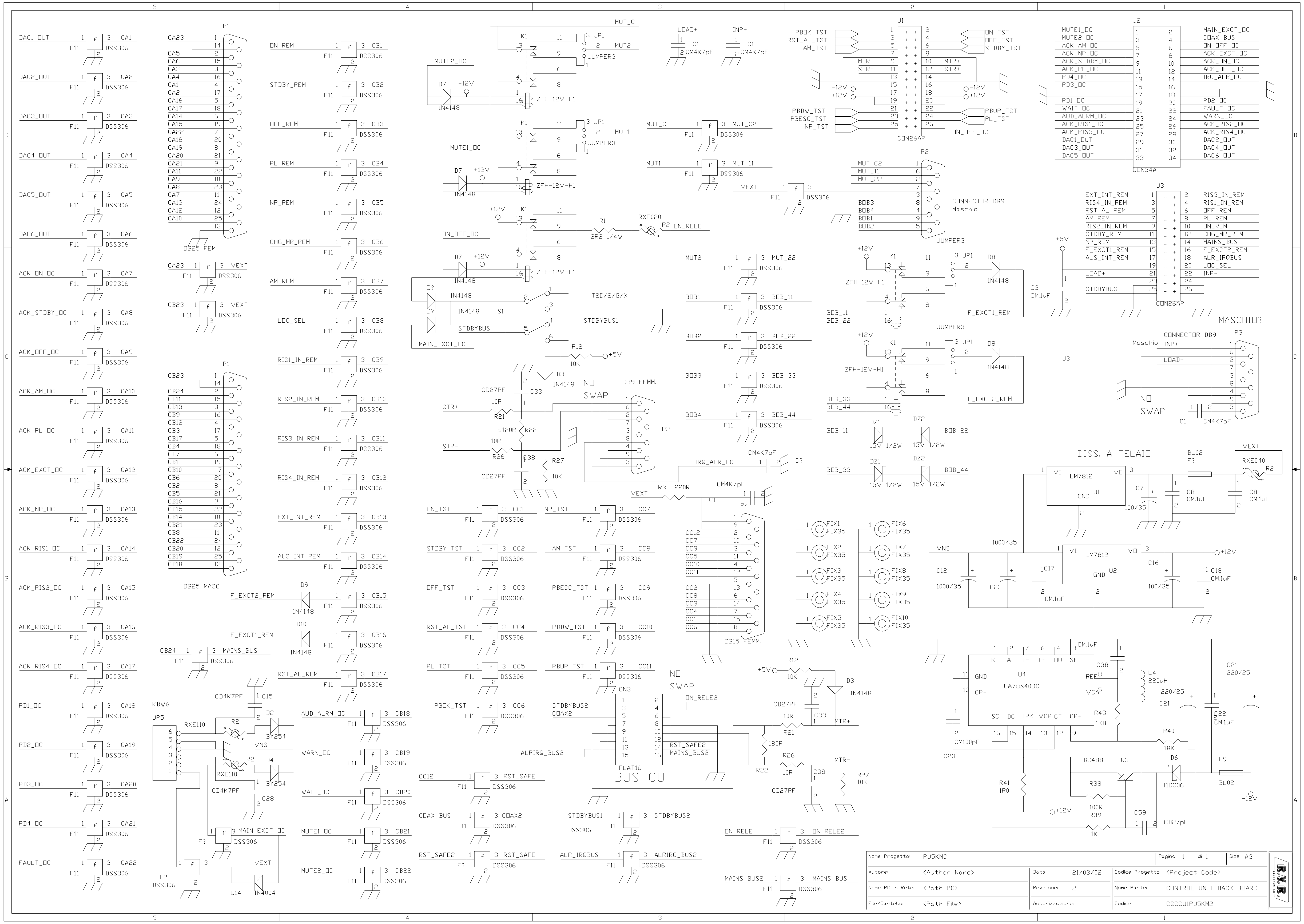
SLCCU1PJ5KM2

LAYOUTS



Nome Progetto:	PJ5KPS - Scheda madre CCU			Pagina: 1 di 1	Size: A3
Autore:	Griptech - Rev.: Canazza	Data:	07/10/2002	Codice Progetto:	<>
Nome PC in Rete:	\\UT_SRV	Revisione:	1.0 (DC)	Nome Parte:	Schedra madre CCU
File/Cartella:	CCU1PJK5_1_LY.DWG	Autorizzazione:		Codice:	SLCCU1PJ5KM2
Scala: <>	Materiale: <>	Trattamento:	<>	Profilo:	<>

SCHEMATICS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Autore: <Author Name>
Data: 21/03/02
Codice Progetto: <Project Code>
Nome PC in Rete: <Path PC>
Revisione: 2
Nome Parte: CONTROL UNIT BACK BOARD
File/Cartella: <Path File>
Codice: CSCCUIPJ5KM2
Size: A3

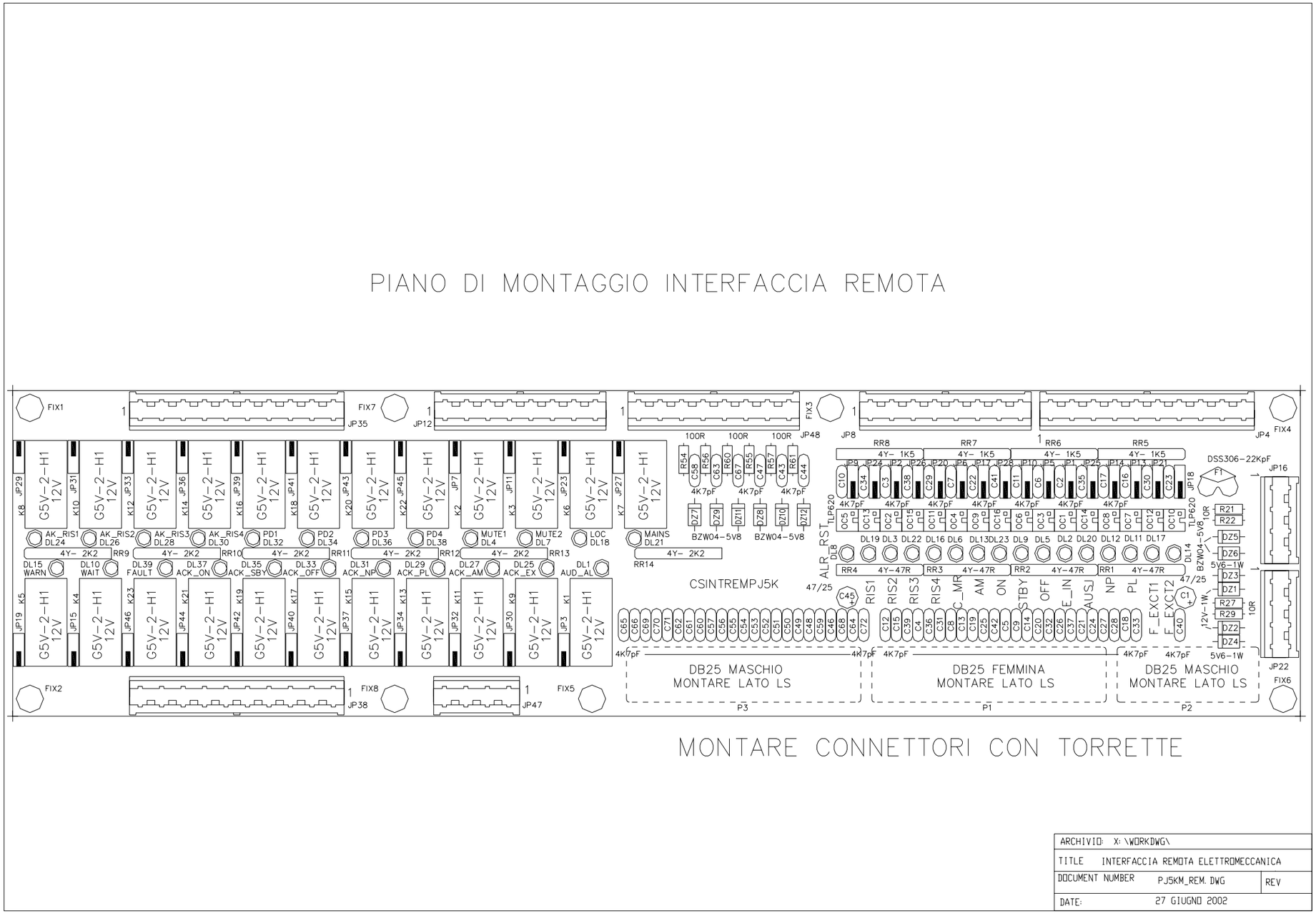
BILLS OF MATERIAL

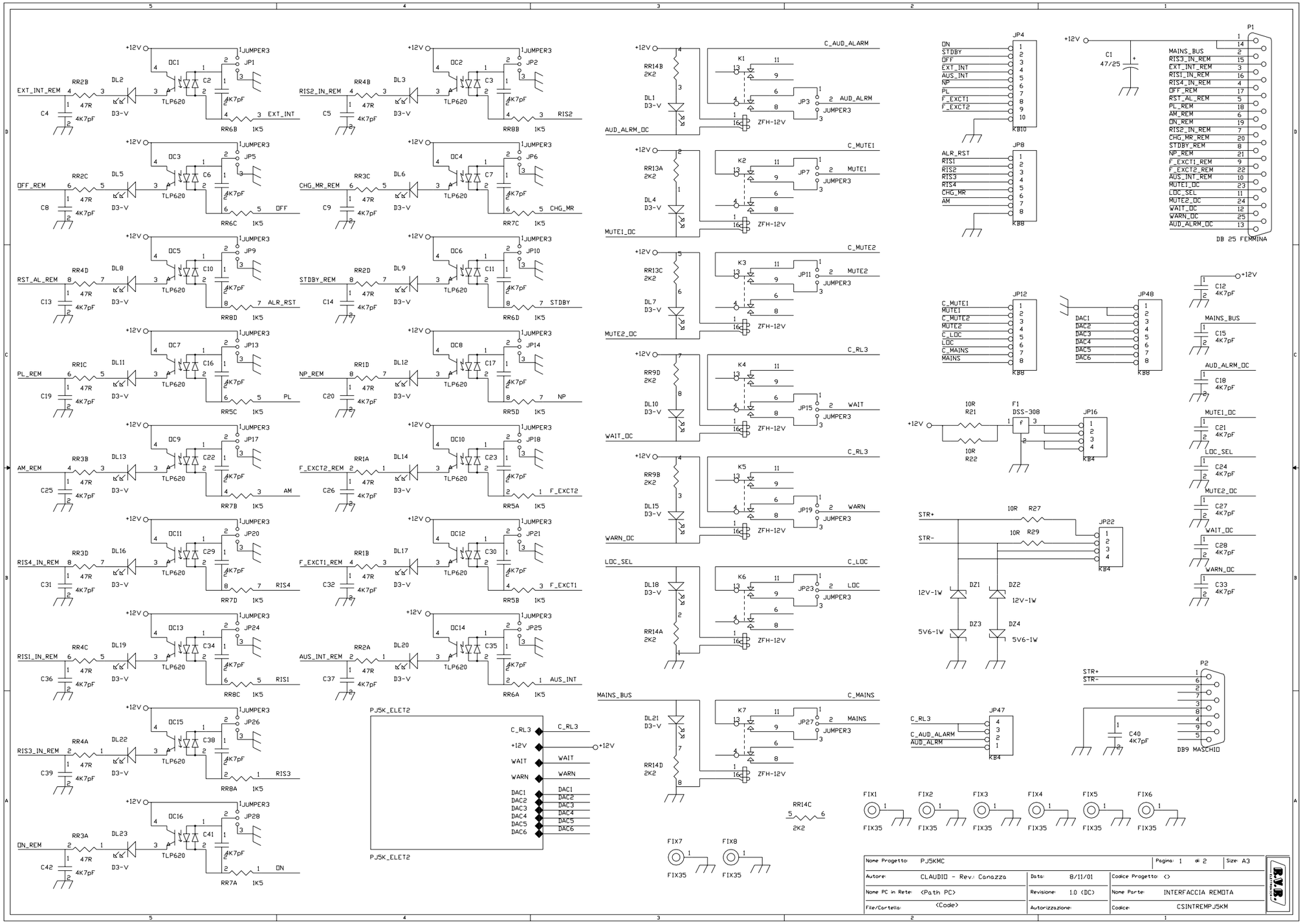
Item	Quantity	Reference	Part
1	1	CN1	FLAT16
2	5	C1,C2,C5,C8,C27	CM4K7pF
3	7	C3,C10,C11,C15,C16,C17, C22	CM.1uF
4	5	C4,C6,C21,C24,C26	CD27pF
5	2	C9,C14	100/35
6	2	C12,C13	1000/35
7	2	C19,C18	220/25
8	2	C25,C20	CD4K7PF
9	1	C23	CM100pF
10	4	DZ1,DZ2,DZ3,DZ4	15V 1/2W
11	11	D1,D2,D3,D4,D5,D6,D8,D9, D10,D15,D16	1N4148
12	2	D11,D12	BY254
13	1	D13	11DQ06
14	1	D14	1N4004
15	10	FIX1,FIX2,FIX3,FIX4,FIX5,FIX6,FIX7,FIX8, FIX9,FIX10	FIX35
16	75	F1,F2,F3,F4,F5,F6,F7,F8,F9,F10,F11,F12, F13,F14,F15,F16,F17,F18,F19,F20,F21,F22, F23,F24,F25,F26,F27,F28,F29,F30,F31,F32, F33,F34,F35,F36,F37,F38,F39,F40,F41,F42, F43,F44,F45,F46,F47,F48,F49,F50,F51,F52, F53,F54,F55,F56,F57,F58,F59,F61,F62,F63, F64,F65,F66,F67,F68,F69,F70,F71,F72,F73, F74,F75,F76	DSS306
17	2	F77,F60	BL02
18	4	JP1,JP2,JP3,JP4	JUMPER3
19	1	JP5	KBW6
20	2	J3,J1	CON26AP
21	1	J2	CON34A
22	5	K1,K2,K3,K4,K5	ZFH-12V-H1
23	1	L1	220uH
24	1	P1	DB25 FEM
25	2	P2,P3	CONNECTOR DB9
26	1	P4	DB25 MASC
27	1	P5	DB9 FEMM.
28	1	P6	DB15 FEMM.
29	1	Q1	BC488
30	1	R1	2R2 1/4W
31	1	R2	RXE020
32	4	R3,R7,R10,R18	10K
33	4	R4,R6,R13,R16	10R
34	1	R5	x120R
35	1	R8	RXE040
36	1	R9	220R
37	1	R11	1K8
38	2	R12,R17	RXE110
39	1	R14	180R
40	1	R15	18K
41	1	R19	1R0
42	1	R20	100R
43	1	R21	1K
44	1	S1	T2D/2/G/X
45	2	U1,U2	LM7812
46	1	U3	UA78S40DC

PARALLEL INTERFACE

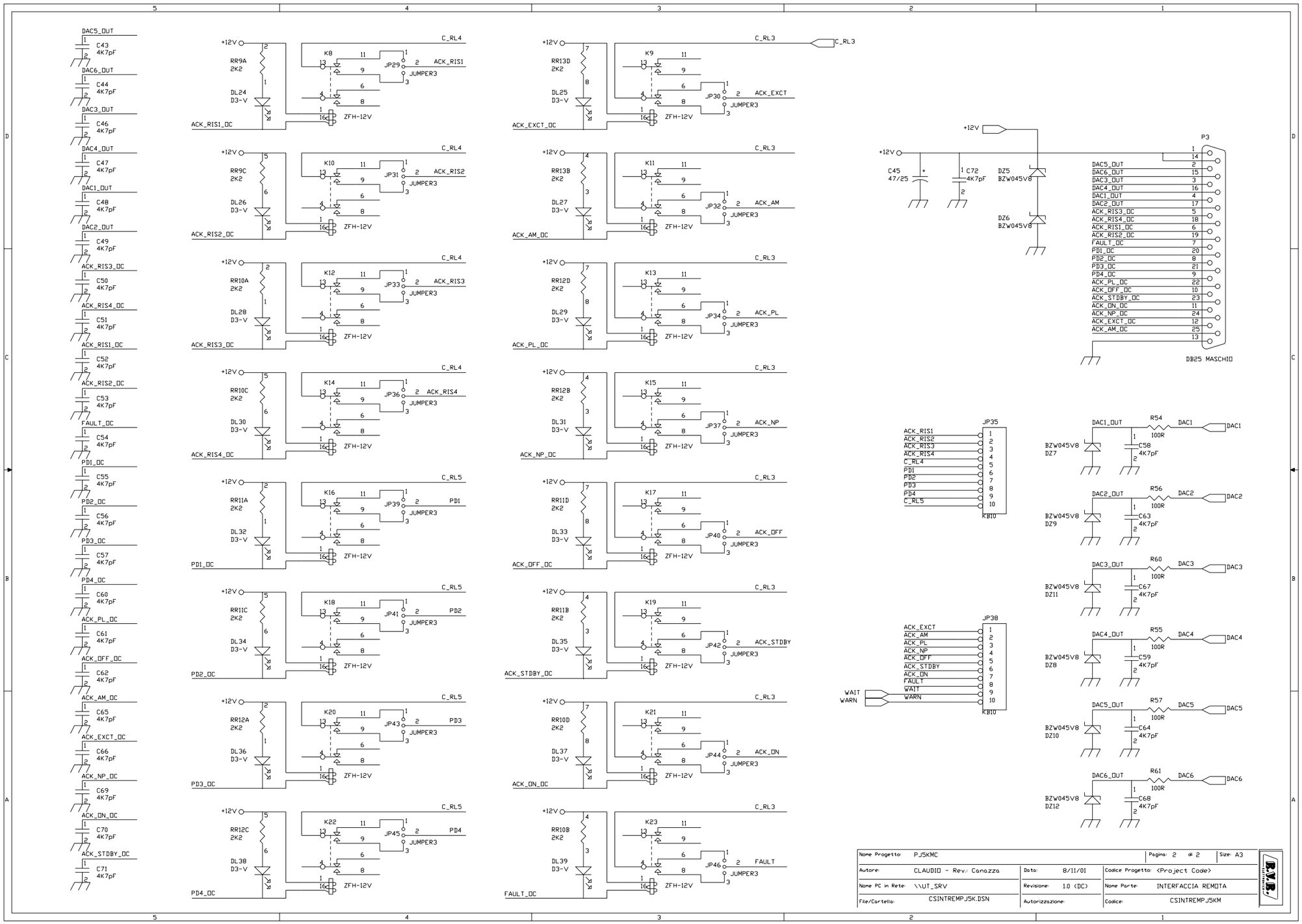
SLINTREMPJ5KM

LAYOUTS





Nome Progetto: PJ5KMC			Pagina: 1 di 2 — Size: A3
Autore: CLAUDIO - Rev.: Canazza	Data: 8/11/01	Codice Progetto: <>	
Nome PC in Rete: <Path PC>	Revisione: 1.0 (DC)	Nome Parte: INTERFACCIA REMOTA	
File/Cartella: <Code>	Autorizzazione:	Codice: CSINTREMPJ5KM	


DAC5_OUT
C43 4K7pF
DAC6_OUT
C44 4K7pF
DAC3_OUT
C46 4K7pF
DAC4_OUT
C47 4K7pF
DAC1_OUT
C48 4K7pF
DAC2_OUT
C49 4K7pF
ACK_RIS3_OC
C50 4K7pF
ACK_RIS4_OC
C51 4K7pF
ACK_RIS1_OC
C52 4K7pF
ACK_RIS2_OC
C53 4K7pF
FAULT_OC
C54 4K7pF
PD1_OC
C55 4K7pF
PD2_OC
C56 4K7pF
PD3_OC
C57 4K7pF
PD4_OC
C60 4K7pF
ACK_PL_OC
C61 4K7pF
ACK_OFF_OC
C62 4K7pF
ACK_AM_OC
C65 4K7pF
ACK_EXCT_OC
C66 4K7pF
ACK_NP_OC
C69 4K7pF
ACK_ON_OC
C70 4K7pF
ACK_STDBY_OC
C71 4K7pF
+12V
RR9A 2K2
DL24 D3-V
K8
JP29
ACK_RIS1
JUMPER3
ZFH-12V
ACK_RIS1_OC
C_RL4
RR9C 2K2
DL26 D3-V
K10
JP31
ACK_RIS2
ACK_RIS2_OC
RR10A 2K2
DL28 D3-V
K12
JP33
ACK_RIS3
ACK_RIS3_OC
RR10C 2K2
DL30 D3-V
K14
JP36
ACK_RIS4
ACK_RIS4_OC
C_RL5
RR11A 2K2
DL32 D3-V
K16
JP39
PD1
PD1_OC
RR11C 2K2
DL34 D3-V
K18
JP41
PD2
PD2_OC
RR12A 2K2
DL36 D3-V
K20
JP43
PD3
PD3_OC
RR12C 2K2
DL38 D3-V
K22
JP45
PD4
PD4_OC
C_RL3
RR13D 2K2
DL25 D3-V
K9
JP30
ACK_EXCT
ACK_EXCT_OC
RR13B 2K2
DL27 D3-V
K11
JP32
ACK_AM
ACK_AM_OC
RR12D 2K2
DL29 D3-V
K13
JP34
ACK_PL
ACK_PL_OC
RR12B 2K2
DL31 D3-V
K15
JP37
ACK_NP
ACK_NP_OC
RR11D 2K2
DL33 D3-V
K17
JP40
ACK_OFF
ACK_OFF_OC
RR11B 2K2
DL35 D3-V
K19
JP42
ACK_STDBY
ACK_STDBY_OC
RR10D 2K2
DL37 D3-V
K21
JP44
ACK_ON
ACK_ON_OC
RR10B 2K2
DL39 D3-V
K23
JP46
FAULT
FAULT_OC
C45 47/25
C72 4K7pF
DZ5 BZW045V8
DZ6 BZW045V8
P3
DB25 MASCHIO
JP35
JP38
KBIO
WAIT
WARN
R54 100R
R56 100R
R60 100R
R55 100R
R57 100R
R61 100R
C58 4K7pF
C63 4K7pF
C67 4K7pF
C59 4K7pF
C64 4K7pF
C68 4K7pF
DZ7
DZ9
DZ11
DZ8
DZ10
DZ12
Nome Progetto: PJ5KMC
Pagina: 2 di 2
Size: A3
Autore: CLAUDIO - Rev.: Canazza
Data: 8/11/01
Codice Progetto: <Project Code>
Nome PC in Rete: \\UT_SRV
Revisione: 1.0 (DC)
Nome Parte: INTERFACCIA REMOTA
File/Cartella: CSINTREMPJ5K.DSN
Autorizzazione:
Codice: CSINTREMPJ5KM

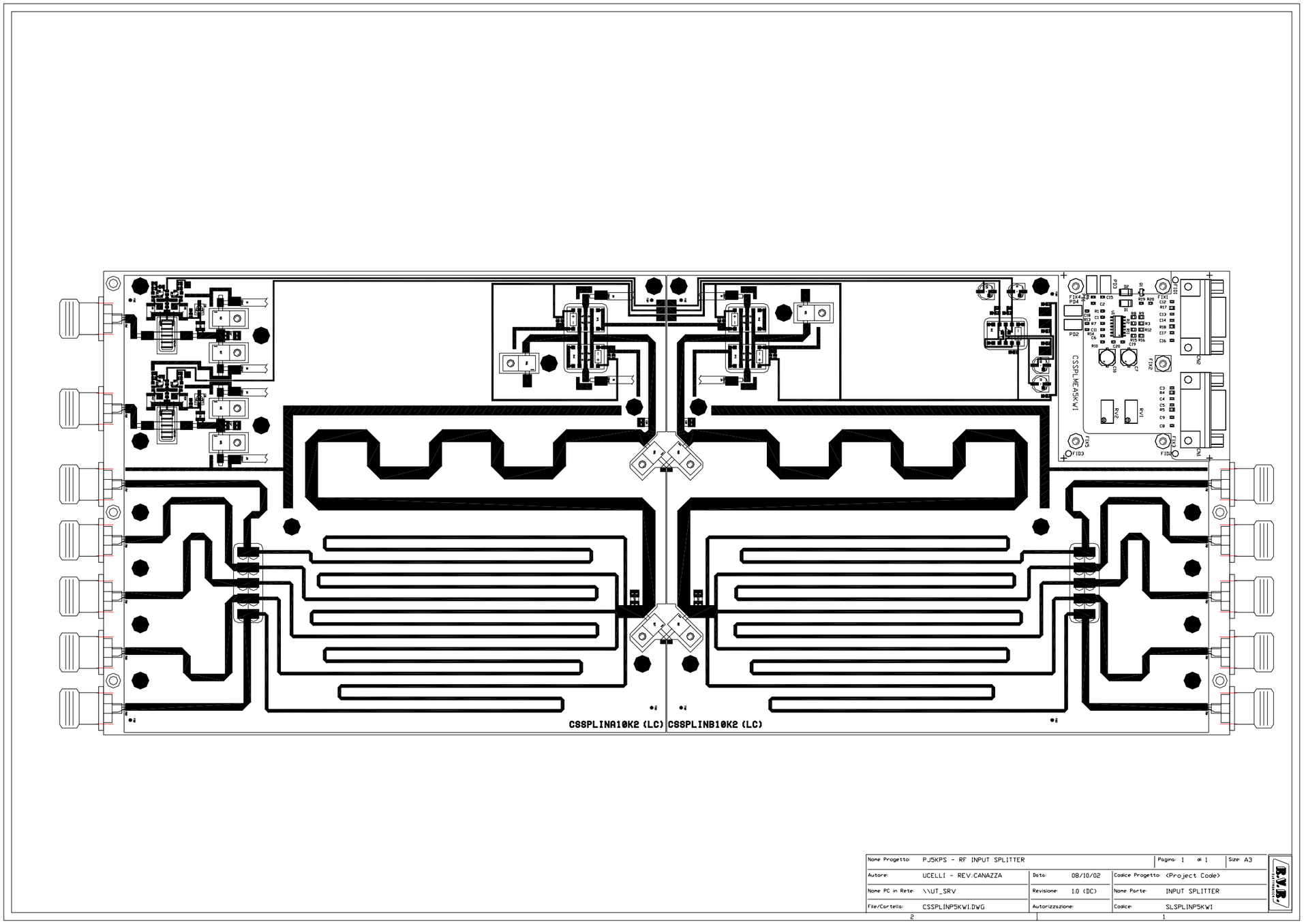
BILLS OF MATERIAL

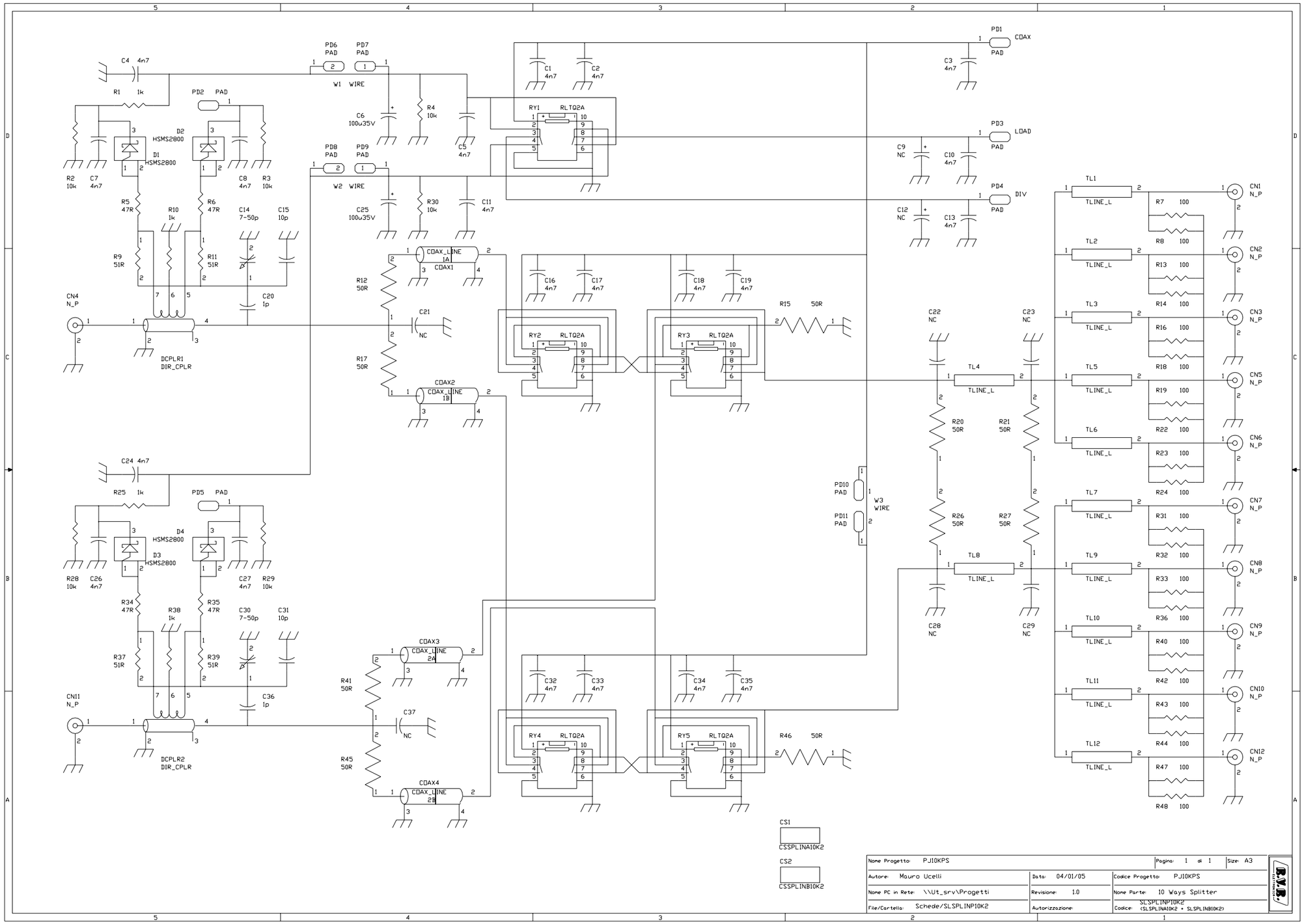
ITEM	Q.TY	REFERENCE	PART
1	2	C1,C45	47/25
2	70	C2,C3,C4,C5,C6,C7,C8,C9,C10,C11,C12,C14,C15, C16,C17,C18,C19,C20,C21,C22,C23,C24,C25,C26, C27,C28,C29,C30,C31,C32,C32,C33,C34,C35,C36, C37,C38,C39,C40,C41,C42,C43,C44,C46,C47,C48, C49,C50,C51,C52,C53,C54,C55,C56,C57,C56,C57, C58,C59,C60,C61,C62,C63,C64,C65,C66,C67,C68, C69,C70,C71,C72	4K7Pf
3	39	DL1,DL2,DL3,DL4,DL5,DL6,DL7,DL8,DL9,DL10,DL11, DL12,DL13,DL14,DL15,DL16,DL17,DL18.DL19,DL20, DL21,DL22,DL23,DL24,DL25,DL26,DL27,DL28,DL29, DL30,DL31,DL32,DL33,DL34,DL35,DL36,DL37,DL38, DL39	D3-V
4	2	DZ2,DZ1	12V-1N
5	2	DZ4,DZ3	5V6-1N
6	8	DZ5,DZ6,DZ7,DZ8,DZ9,DZ10,DZ11,DZ12	BZK045V8
7	8	FIX1,FIX2,FIX3,FIX4,FIX5,FIX6,FIX7,FIX8	FIX35
8	1	F1	DSS-308
9	39	JP1,JP2,JP3,JP5,JP6,JP7,JP9,JP10,JP11,JP13, JP14,JP15,JP17,JP18,JP19,JP20,JP21,JP23, JP24,JP25,JP26,JP27,JP28,JP29,JP30,JP31,JP32, JP33,JP34,JP36,JP37,JP39,JP40,JP41,JP42,JP43, JP44,JP45,JP46	JUMPER3
10	3	JP4,JP35,JP8	KB10
11	3	JP8,JP12,JP48	KBS
12	3	JP16,JP22,JP47	KB4
13	23	K1,K2,K3,K4,K5,K6,K7,K8,K9,K10,K11,K12,K13,14, K15,K16,K17,K18,K19,K20,K21,K22,K23	ZFH-12V
14	16	OC1,OC2,OC3,OC4,OC5,OC6,OC7,OC8,OC9,OC10,OC11, OC12,OC13,OC14,OC14,OC15,OC16	TLP620
15	1	P1	DB 25 FEMMINA
16	1	P2	DB9 MASCHIO
17	1	P3	DB25 MASCHIO
18	4	RR1,RR2,RR3,RR4	47R
19	4	RR5,RR6,RR7,RR8	1K5
20	6	RR9,RR10,RR11,RR12,RR13,RR14	2K2
21	4	R21,R22,R27,R29	10R
22	6	R54,R55,R56,R57,R60,R61	100R

INPUT SPLITTER AND CHANGEOVER

CSSPLINA10K2 – CSSPLINB10K2

LAYOUTS

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PD3 LOAD PAD
PD4 DIV PAD
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C2 4n7
C3 4n7
C4 4n7
C5 4n7
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C7 4n7
C8 4n7
C9 NC
C10 4n7
C11 4n7
C12 NC
C13 4n7
C14 7-50p
C15 10p
C16 4n7
C17 4n7
C18 4n7
C19 4n7
C20 1p
C21 NC
C22 NC
C23 NC
C24 4n7
C25 100u35V
C26 4n7
C27 4n7
C28 NC
C29 NC
C30 7-50p
C31 10p
C32 4n7
C33 4n7
C34 4n7
C35 4n7
C36 1p
C37 NC
R1 1k
R2 10k
R3 10k
R4 10k
R5 47R
R6 47R
R7 100
R8 100
R9 51R
R10 1k
R11 51R
R12 50R
R13 100
R14 100
R15 50R
R16 100
R17 50R
R18 100
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R21 50R
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R23 100
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R25 1k
R26 50R
R27 50R
R28 10k
R29 10k
R30 10k
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R34 47R
R35 47R
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R46 50R
R47 100
R48 100
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D2 HSMS2800
D3 HSMS2800
D4 HSMS2800
RY1 RLTQ2A
RY2 RLTQ2A
RY3 RLTQ2A
RY4 RLTQ2A
RY5 RLTQ2A
PD2 PAD
PD5 PAD
PD6 PAD
PD7 PAD
PD8 PAD
PD9 PAD
PD10 PAD
PD11 PAD
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W2 WIRE
W3 WIRE
CN1 N_P
CN2 N_P
CN3 N_P
CN4 N_P
CN5 N_P
CN6 N_P
CN7 N_P
CN8 N_P
CN9 N_P
CN10 N_P
CN11 N_P
CN12 N_P
TL1 TLINE_L
TL2 TLINE_L
TL3 TLINE_L
TL4 TLINE_L
TL5 TLINE_L
TL6 TLINE_L
TL7 TLINE_L
TL8 TLINE_L
TL9 TLINE_L
TL10 TLINE_L
TL11 TLINE_L
TL12 TLINE_L
COAX_LINE 1A
COAX_LINE 1B
COAX_LINE 2A
COAX_LINE 2B
DCPLR1 DIR_CPLR
DCPLR2 DIR_CPLR
CS1 CSSPLINA10K2
CS2 CSSPLINB10K2
Nome Progetto: PJ10KPS
Pagina: 1 di 1
Size: A3
Autore: Mauro Ucelli
Data: 04/01/05
Codice Progetto: PJ10KPS
Nome PC in Rete: \\Ut_srv\Progetti
Revisione: 1.0
Nome Parte: 10 Ways Splitter
File/Cartella: Schede/SLSPLINP10K2
Autorizzazione:
SLSPLINP10K2
Codice: (SLSPLINA10K2 + SLSPLINB10K2)

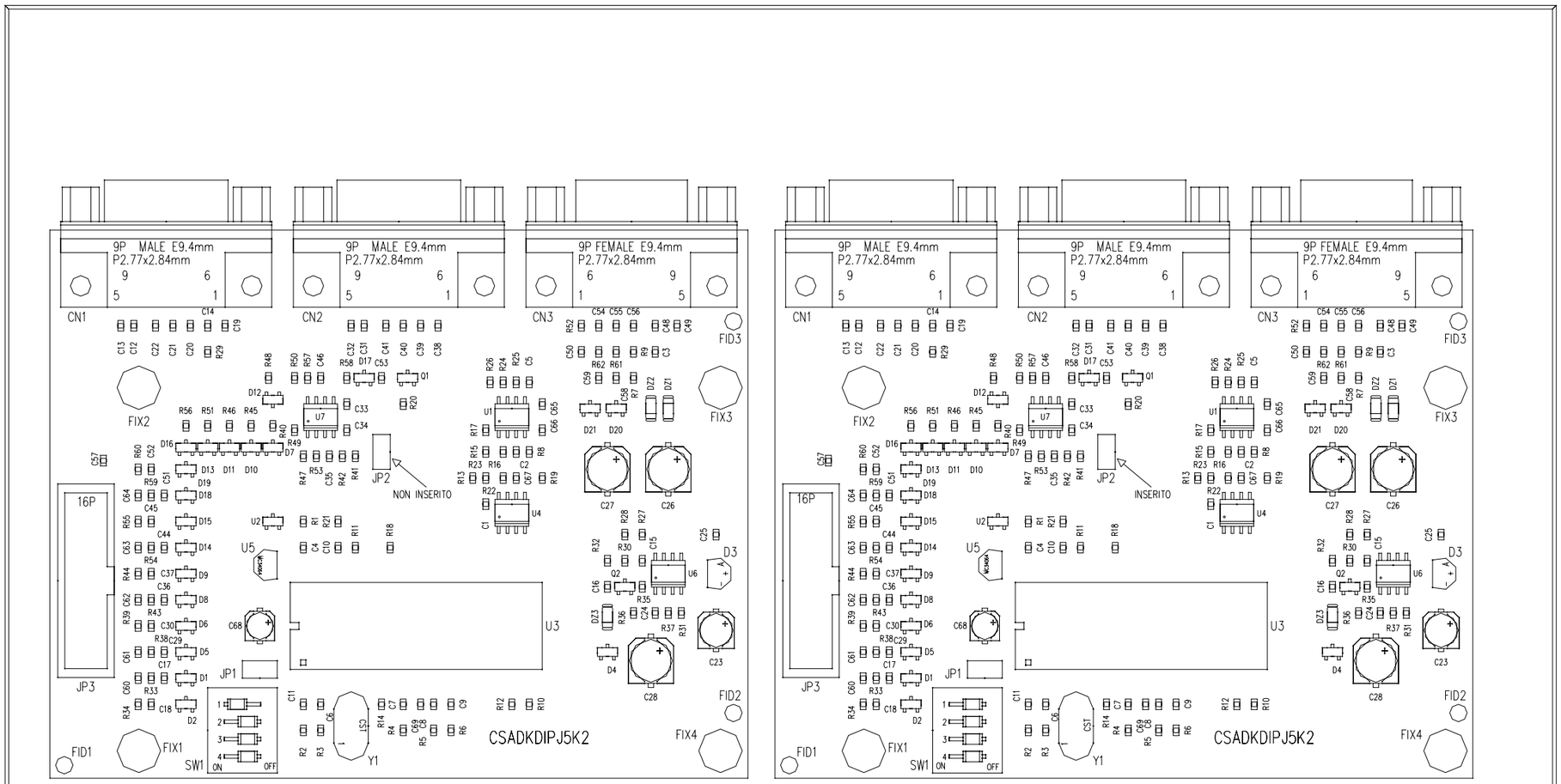
BILLS OF MATERIAL

Item	Quantity	Reference	Part
1	12	CN1,CN2,CN3,CN4,CN5,CN6,CN7,CN8,CN9, CN10,CN11,CN12	N_P
2	4	COAX1,COAX2,COAX3,COAX4	COAX_LINE
3	1	CS1	CSSPLINA10K2
4	1	CS2	CSSPLINB10K2
5	21	C1,C2,C3,C4,C5,C7,C8,C10,C11,C13,C16,C17, C18,C19,C24,C26,C27,C32,C33,C34,C35	4n7
6	2	C25,C6	100u35V
7	8	C9,C12,C21,C22,C23,C28,C29,C37	NC
8	2	C14,C30	7-50p
9	2	C31,C15	10p
10	2	C36,C20	1p
11	2	DCPLR1,DCPLR2	DIR_CPLR
12	4	D1,D2,D3,D4	HSMS2800
13	11	PD1,PD2,PD3,PD4,PD5,PD6,PD7,PD8,PD9,PD10,PD11	PAD
14	5	RY1,RY2,RY3,RY4,RY5	RLTQ2A
15	4	R1,R10,R25,R38	1k
16	6	R2,R3,R4,R28,R29,R30	10k
17	4	R5,R6,R34,R35	47R
18	20	R7,R8,R13,R14,R16,R18,R19,R22,R23,R24, R31,R32,R33,R36,R40,R42,R43,R44,R47,R48	100
19	4	R9,R11,R37,R39	51R
20	10	R12,R15,R17,R20,R21,R26,R27,R41,R45,R46	50R
21	12	TL1,TL2,TL3,TL4,TL5,TL6,TL7,TL8,TL9, TL10,TL11,TL12	TLINE_L
22	3	W1,W2,W3	WIRE

UNBALANCEMENT MEASUREMENT CPU BOARD

SLADKDIPJ5K2

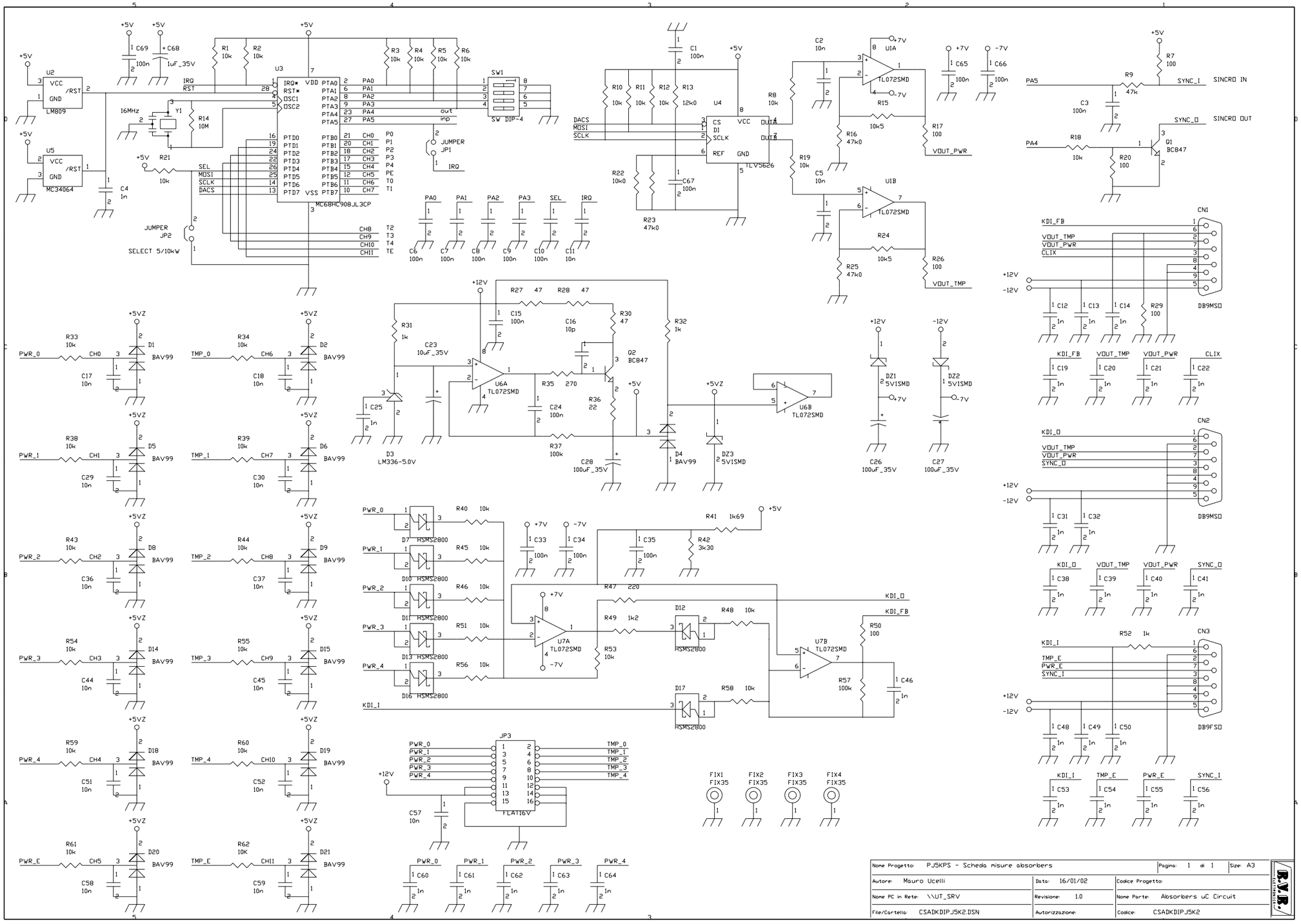
LAYOUTS



SCHEDA MASTER

SCHEDA SLAVE

Nome Progetto:	CIRCUITO STAMPATO MISURATORE DI CORRENTE		Pagina: 1 di 1	Size: A4	
Autore:	Ufficio Tecnico	Data: 16/06/03	Codice Progetto:	SLADKDIP5K2	
Nome PC in Rete:		Revisione: 2.0	Nome Parte:		
File/Cartella:		Autorizzazione:	Codice:	SLADKDIP5K2	
Scala: /	Materiale: /	Trattamento: /	Profilo: /		


U2 LM809
U5 MC34064
U3 MC68HC908JL3CP
Y1 16MHz
SW1 SW DIP-4
JUMPER JP1
JUMPER JP2
SELECT 5/10kW
U4 TLV5626
U1A U1B TL072SMD
U6A U6B TL072SMD
U7A U7B TL072SMD
Q1 Q2 BC847
D1 D2 D5 D6 D8 D9 D14 D15 D18 D19 D20 D21 BAV99
D3 LM336-5.0V
D4 BAV99
DZ1 DZ2 DZ3 5V1SMD
D7 D10 D11 D13 D16 HSMS2800
D12 D17 HSMS2800
JP3 FLAT16V
FIX1 FIX2 FIX3 FIX4 FIX35
CN1 CN2 CN3 DB9MSD DB9FSD
VOUT_PWR VOUT_TMP
SINCRO IN SINCRO OUT
Nome Progetto: PJ5KPS - Scheda misure absorbers
Pagina: 1 di 1
Size: A3
Autore: Mauro Ucelli
Data: 16/01/02
Codice Progetto:
Nome PC in Rete: \\UT_SRV
Revisione: 1.0
Nome Parte: Absorbers uC Circuit
File/Cartella: CSADKDIPJ5K2.DSN
Autorizzazione:
Codice: CSADKDIPJ5K2

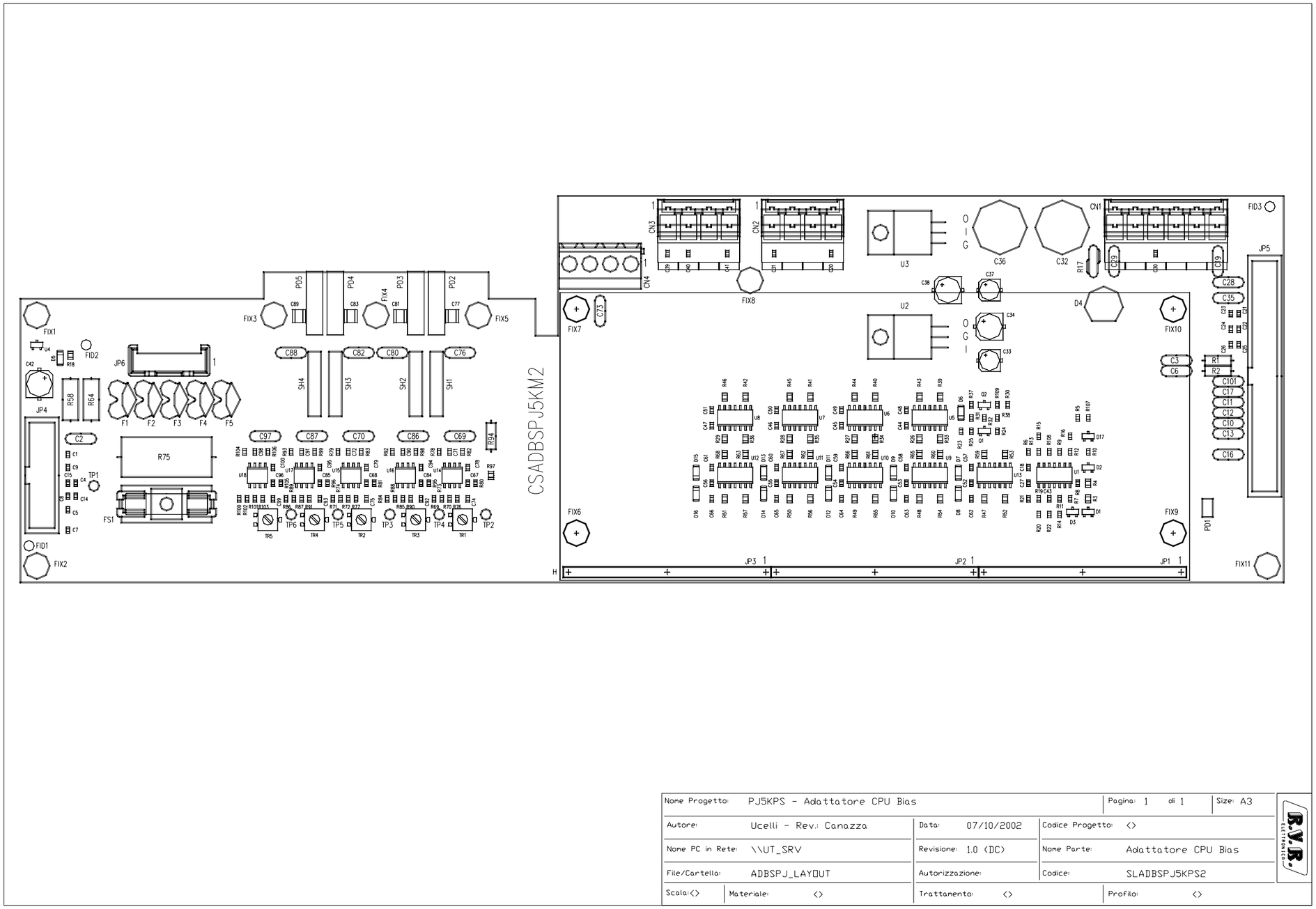
BILLS OF MATERIAL

Item	Quantity	Reference	Part
1	2	CN1,CN2	DB9MSO
2	1	CN3	DB9FSO
3	16	C1,C3,C6,C7,C8,C9,C10,C15,C24,C33,C34, C35,C65,C66,C67,C69	100n
4	16	C2,C5,C11,C17,C18,C29,C30,C36,C37,C44, C45,C51,C52,C57,C58,C59	10n
5	31	C4,C12,C13,C14,C19,C20,C21,C22,C25,C31, C32,C38,C39,C40,C41,C46,C48,C49,C50,C53, C54,C55,C56,C60,C61,C62,C63,C64	1n
6	1	C16	10p
7	1	C23	10uF_35V
8	3	C26,C27,C28	100uF_35V
9	1	C68	1uF_35V
10	3	DZ1,DZ2,DZ3	5V1SMD
11	13	D1,D2,D4,D5,D6,D8,D9,D14,D15,D18,D19,D20,D21	BAV99
12	1	D3	LM336-5.0V
13	7	D7,D10,D11,D12,D13,D16,D17	SMS2800
14	4	FIX1,FIX2,FIX3,FIX4	FIX35
15	2	JP2,JP1	JUMPER
16	1	JP3	FLAT16V
17	2	Q2,Q1	BC847
18	33	R1,R2,R3,R4,R5,R6,R8,R10,R11,R12,R18,R19, R21,R33,R34,R38,R39,R40,R43,R44,R45,R46, R48,R51,R53,R54,R55,R56,R58,R59,R60,R61,R62	10k
19	6	R7,R17,R20,R26,R29,R50	100
20	1	R9	47k
21	1	R13	12k0
22	1	R14	10M
23	2	R15,R24	10k5
24	3	R16,R23,R25	47k0
25	1	R22	10k0
26	3	R27,R28,R30	47
27	3	R31,R32,R52	1k
28	1	R35	270
29	1	R36	22
30	2	R57,R37	100k
31	1	R41	1k69
32	1	R42	3k30
33	1	R47	220
34	1	R49	1k2
35	1	SW1	SW DIP-4
36	3	U1,U6,U7	TL072SMD
37	1	U2	LM809
38	1	U3	MC68HC908JL3CP
39	1	U4	TLV5626
40	1	U5	MC34064
41	1	Y1	

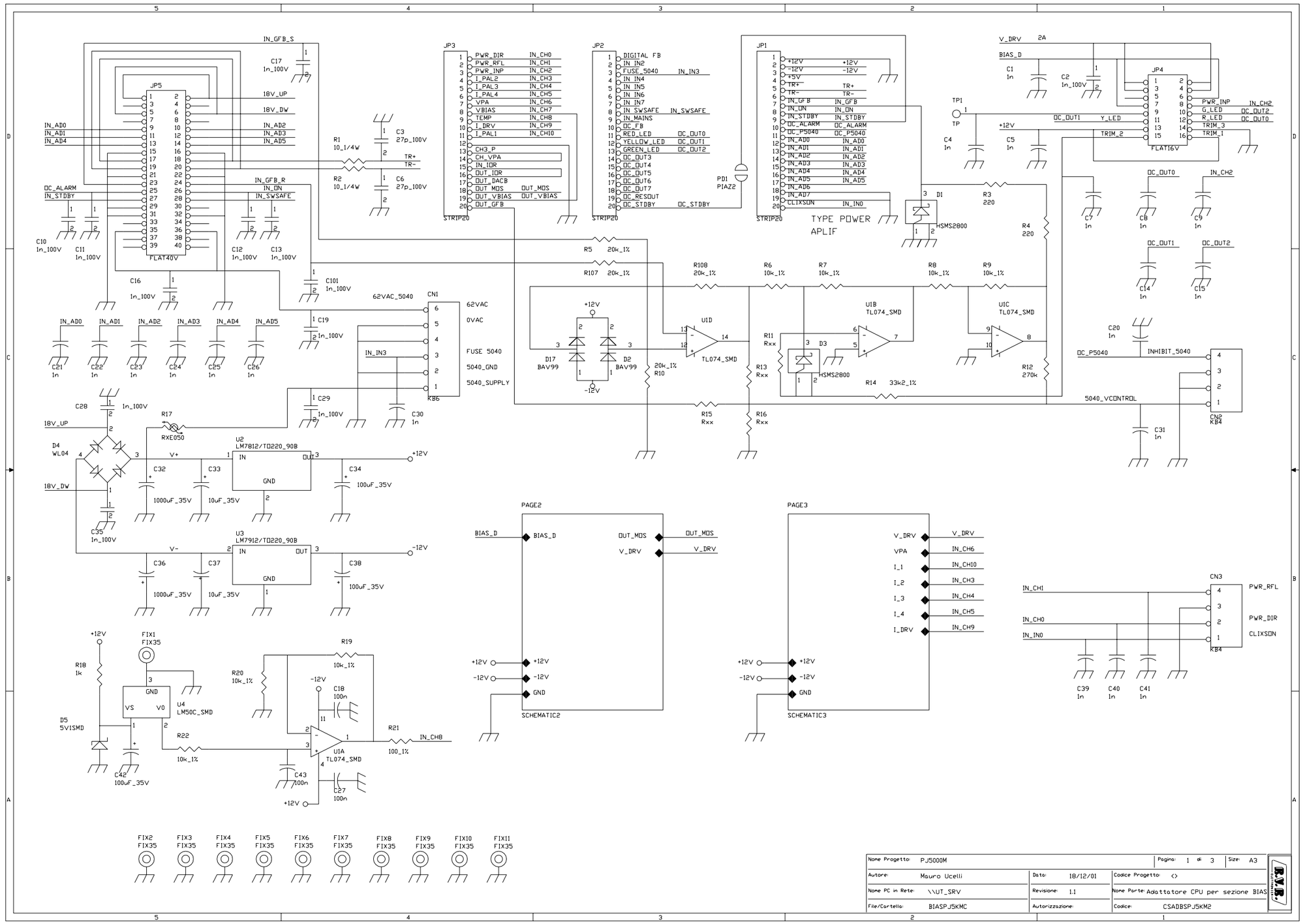
R.F. MODULE CPU ADAPTER/BIAS

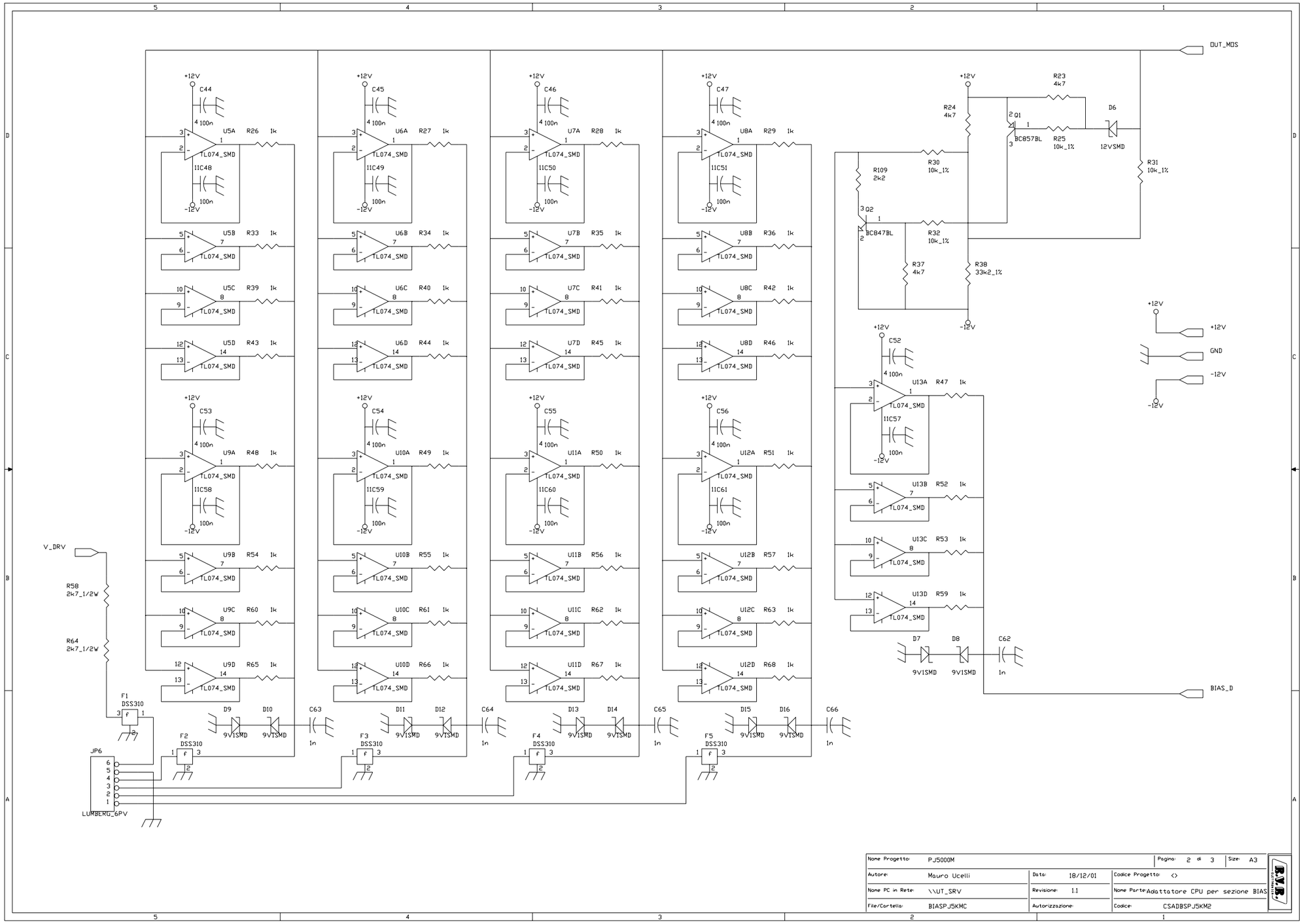
SLADBSPJ5KM2

LAYOUTS

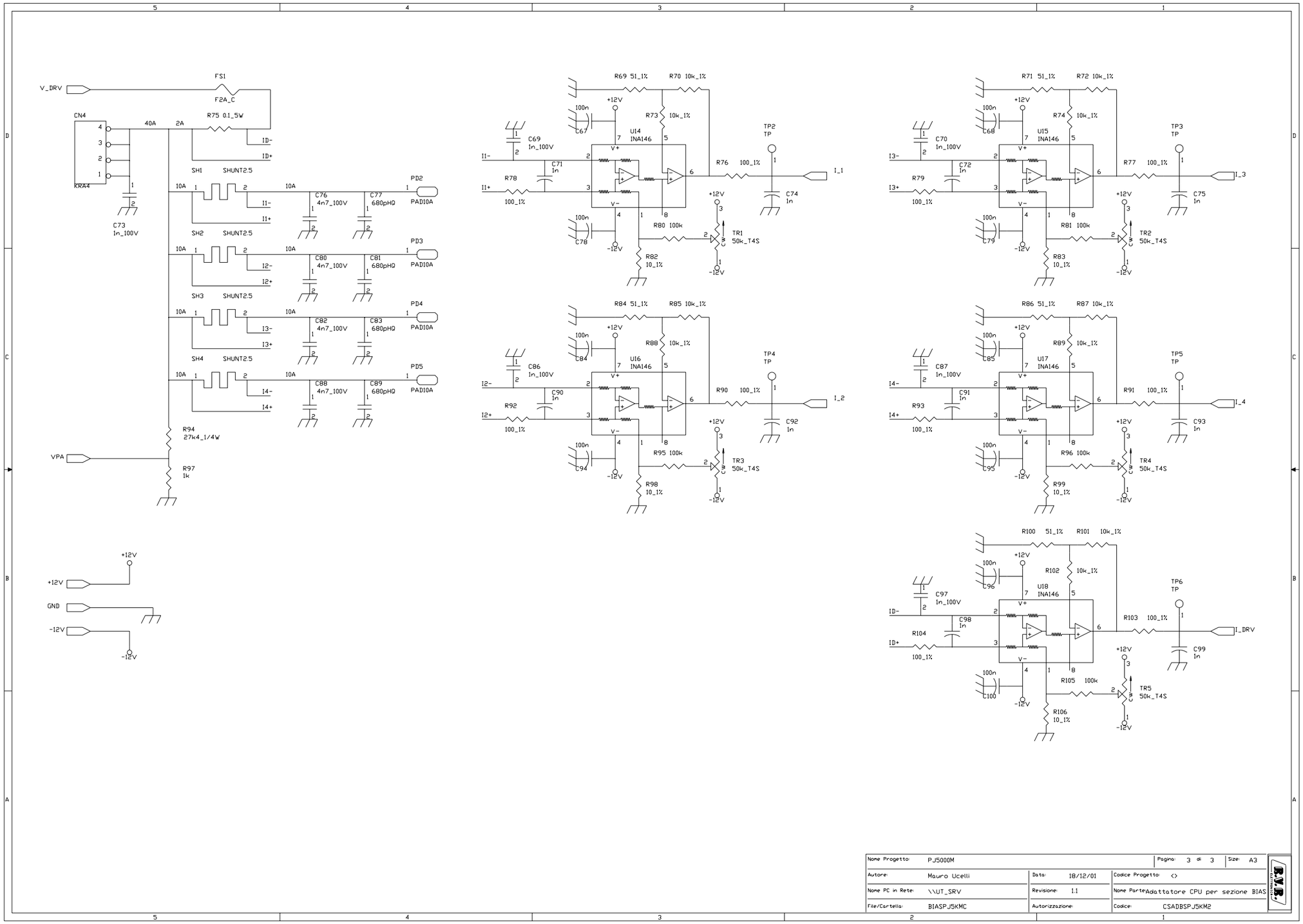


Nome Progetto:	PJ5KPS - Adattatore CPU Bias			Pagina: 1 di 1	Size: A3
Autore:	Ucelli - Rev.: Canazza	Data:	07/10/2002	Codice Progetto:	<>
Nome PC in Rete:	\\UT_SRV	Revisione:	1.0 (DC)	Nome Parte:	Adattatore CPU Bias
File/Cartella:	ADBSPJ_LAY□UT	Autorizzazione:		Codice:	SLADBSPJ5KPS2
Scala: <>	Materiale: <>	Trattamento:	<>	Profilo:	<>


IN_GFB_S
C17 1n_100V
JP5
FLAT40V
18V_UP
18V_DW
IN_AD0
IN_AD1
IN_AD4
IN_AD2
IN_AD3
IN_AD5
OC_ALARM
IN_STDBY
IN_GFB_R
IN_ON
IN_SWSAFE
C10 1n_100V
C11 1n_100V
C12 1n_100V
C13 1n_100V
R1 10_1/4W
R2 10_1/4W
C3 27p_100V
C6 27p_100V
TR+
TR-
JP3
STRIP20
PWR_DIR
PWR_RFL
I_PAL2
I_PAL3
I_PAL4
VPA
VBIAS
TEMP
I_DRV
I_PAL1
CH3_P
CH_VPA
IN_IDR
OUT_IDR
OUT_DACB
OUT_MOS
OUT_VBIAS
OUT_GFB
IN_CH0
IN_CH1
IN_CH2
IN_CH3
IN_CH4
IN_CH5
IN_CH6
IN_CH7
IN_CH8
IN_CH9
IN_CH10
JP2
DIGITAL FB
IN_IN2
FUSE_5040
IN_IN3
IN_IN4
IN_IN5
IN_IN6
IN_IN7
IN_SWSAFE
IN_MAINS
OC_FB
RED_LED
YELLOW_LED
GREEN_LED
OC_OUT3
OC_OUT4
OC_OUT5
OC_OUT6
OC_OUT7
OC_RESOUT
OC_STDBY
OC_OUT0
OC_OUT1
OC_OUT2
PDI PIAZ2
JP1
+12V
-12V
+5V
TR+
TR-
IN_GFB
IN_ON
IN_STDBY
OC_ALARM
OC_P5040
IN_AD0
IN_AD1
IN_AD2
IN_AD3
IN_AD4
IN_AD5
IN_AD6
IN_AD7
CLIXSON
IN_IN0
TYPE POWER
APLIF
D1 HSMS2800
R3 220
R4 220
V_DRV 2A
BIAS_D
C1 1n
C2 1n_100V
JP4
TP1
TP
C4 1n
C5 1n
PWR_INP
G_LED
R_LED
TRIM_3
TRIM_1
TRIM_2
FLAT16V
C7 1n
C8 1n
C9 1n
C14 1n
C15 1n
C16 1n_100V
C101 1n_100V
C19 1n_100V
C29 1n_100V
C30 1n
C28 1n_100V
C31 1n
C20 1n
62VAC_5040
CN1
KB6
62VAC
0VAC
FUSE 5040
5040_GND
5040_SUPPLY
IN_IN3
R5 20k_1%
R107 20k_1%
R108 20k_1%
R6 10k_1%
R7 10k_1%
R8 10k_1%
R9 10k_1%
UID TL074_SMD
UIB TL074_SMD
UIC TL074_SMD
D17 BAV99
D2 BAV99
R10 20k_1%
R11 Rxx
R12 270k
R13 Rxx
R14 33k2_1%
R15 Rxx
R16 Rxx
D3 HSMS2800
OC_P5040
INHIBIT_5040
5040_VCONTROL
CN2
KB4
R17 RXE050
D4 WL04
U2 LM7812/TO220_90B
U3 LM7912/TO220_90B
C32 1000uF_35V
C33 10uF_35V
C34 100uF_35V
C35 1n_100V
C36 1000uF_35V
C37 10uF_35V
C38 100uF_35V
PAGE2
BIAS_D
OUT_MOS
V_DRV
+12V
-12V
GND
SCHEMATIC2
PAGE3
VPA
I_1
I_2
I_3
I_4
I_DRV
SCHEMATIC3
CN3
KB4
IN_CH1
IN_CH0
IN_IN0
CLIXSON
C39 1n
C40 1n
C41 1n
FIX1 FIX35
R18 1k
D5 5V1SMD
U4 LM50C_SMD
VS
VO
R19 10k_1%
R20 10k_1%
R22 10k_1%
C18 100n
C27 100n
C42 100uF_35V
C43 100n
U1A TL074_SMD
R21 100_1%
FIX2 FIX35
FIX3 FIX35
FIX4 FIX35
FIX5 FIX35
FIX6 FIX35
FIX7 FIX35
FIX8 FIX35
FIX9 FIX35
FIX10 FIX35
FIX11 FIX35
Nome Progetto: PJ5000M
Pagina: 1 di 3
Size: A3
Autore: Mauro Ucelli
Data: 18/12/01
Codice Progetto: <>
Nome PC in Rete: \\UT_SRV
Revisione: 1.1
Nome Parte: Adattatore CPU per sezione BIAS
File/Cartella: BIASPJ5KMC
Autorizzazione:
Codice: CSADBSPJ5KM2



Nome Progetto:	PJ5000M			Pagina: 2 di 3	Size: A3
Autore:	Mauro Ucelli	Data:	18/12/01	Codice Progetto:	<>
Nome PC in Rete:	\\UT_SRV	Revisione:	1.1	Nome Parte:	Adattatore CPU per sezione BIAS
File/Cartella:	BIASPJ5KMC	Autorizzazione:		Codice:	CSADBSPJ5KM2


V_DRV
FS1
F2A_C
CN4
40A
2A
R75 0.1_5W
ID-
ID+
SH1 SHUNT2.5
SH2 SHUNT2.5
SH3 SHUNT2.5
SH4 SHUNT2.5
KRA4
C73 1n_100V
10A
C76 4n7_100V
C77 680pHQ
PD2 PAD10A
I1-
I1+
C80 4n7_100V
C81 680pHQ
PD3 PAD10A
I2-
I2+
C82 4n7_100V
C83 680pHQ
PD4 PAD10A
I3-
I3+
C88 4n7_100V
C89 680pHQ
PD5 PAD10A
I4-
I4+
R94 27k4_1/4W
VPA
R97 1k
+12V
GND
-12V
R69 51_1%
R70 10k_1%
C69 1n_100V
C71 1n
R78 100_1%
R73 10k_1%
U14 INA146
C67 100n
C78 100n
R80 100k
R82 10_1%
TR1 50k_T4S
R76 100_1%
TP2 TP
C74 1n
I_1
R84 51_1%
R85 10k_1%
C86 1n_100V
C90 1n
R92 100_1%
R88 10k_1%
U16 INA146
C84 100n
C94 100n
R95 100k
R98 10_1%
TR3 50k_T4S
R90 100_1%
TP4 TP
C92 1n
I_2
R71 51_1%
R72 10k_1%
C70 1n_100V
C72 1n
R79 100_1%
R74 10k_1%
U15 INA146
C68 100n
C79 100n
R81 100k
R83 10_1%
TR2 50k_T4S
R77 100_1%
TP3 TP
C75 1n
I_3
R86 51_1%
R87 10k_1%
C87 1n_100V
C91 1n
R93 100_1%
R89 10k_1%
U17 INA146
C85 100n
C95 100n
R96 100k
R99 10_1%
TR4 50k_T4S
R91 100_1%
TP5 TP
C93 1n
I_4
R100 51_1%
R101 10k_1%
C97 1n_100V
C98 1n
R104 100_1%
R102 10k_1%
U18 INA146
C96 100n
C100 100n
R105 100k
R106 10_1%
TR5 50k_T4S
R103 100_1%
TP6 TP
C99 1n
I_DRV
Nome Progetto: PJ5000M
Pagina: 3 di 3
Size: A3
Autore: Mauro Ucelli
Data: 18/12/01
Codice Progetto: <>
Nome PC in Rete: \\UT_SRV
Revisione: 1.1
Nome Parte: Adattatore CPU per sezione BIAS
File/Cartella: BIASPJ5KMC
Autorizzazione:
Codice: CSADBSPJ5KM2

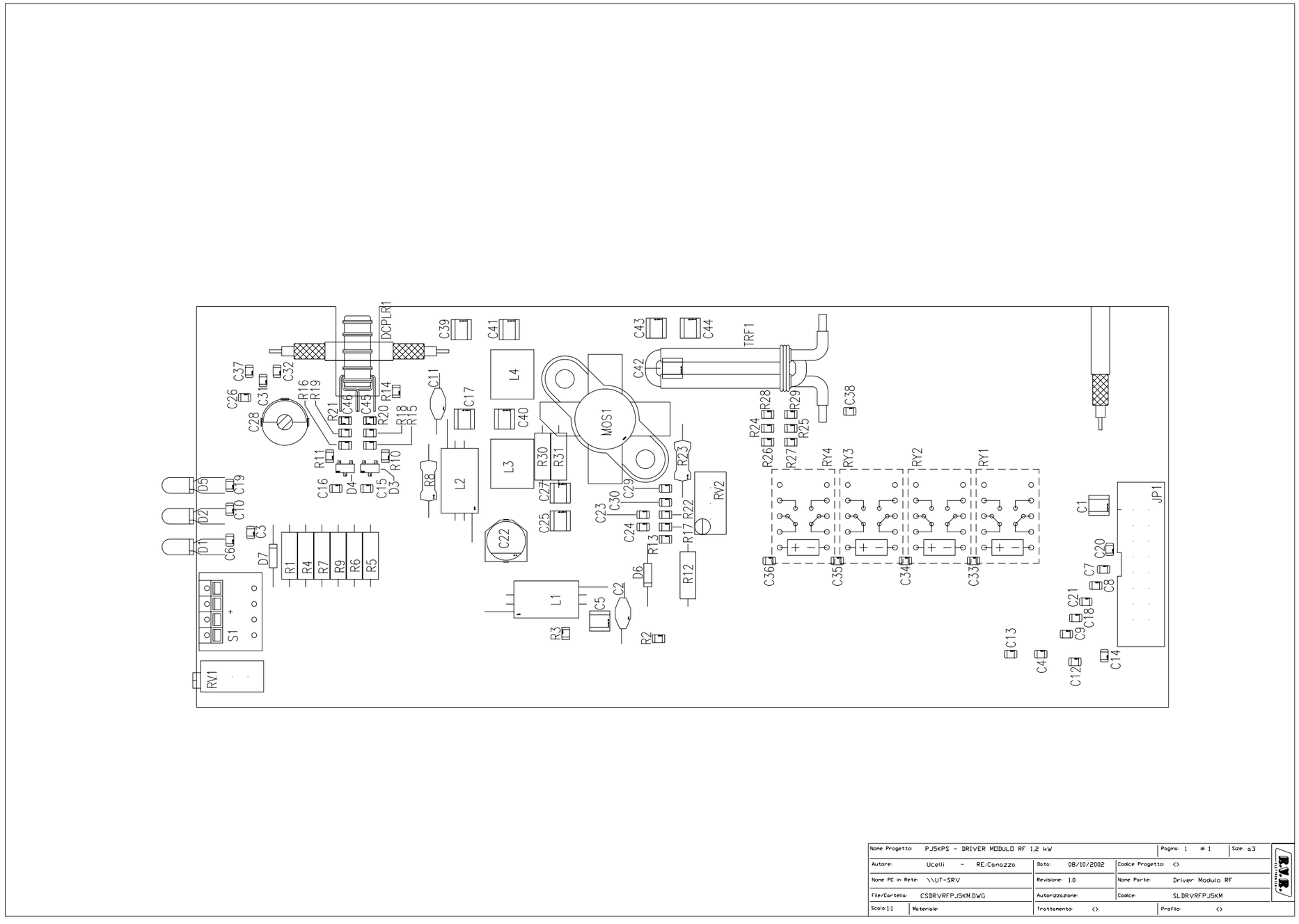
BILLS OF MATERIAL

Item	Quantity	Reference	Part
1	1	CN1	KB6
2	2	CN3,CN2	KB4
3	1	CN4	KRA4
4	35	C1,C4,C5,C7,C8,C9,C14,C15,C20,C21,C22, C23,C24,C25,C26,C30,C31,C39,C40,C41, C62,C63,C64,C65,C66,C71,C72,C74,1C75,C90, C91,C92,C93,C98,C99	1n
5	18	C2,C10,C11,C12,C13,C16,C17,C19,C28,C29,C35, C69,C70,C73,C86,C87,C97,C101	1n_100V
6	2	C6,C3	27p_100V
7	31	C18,C27,C43,C44,C45,C46,C47,C48,C49,C50,C51, C52,C53,C54,C55,C56,C57,C58,C59,C60,C61,C67, C68,C78,C79,C84,C85,C94,C95,C96,C100	100n
8	2	C36,C32	1000uF_35V
9	2	C33,C37	10uF_35V
10	3	C34,C38,C42	100uF_35V
11	4	C76,C80,C82,C88	4n7_100V
12	4	C77,C81,C83,C89	680pHQ
13	2	D3,D1	HSMS2800
14	2	D2,D17	BAV99
15	1	D4	WL04
16	1	D5	5V1SMD
17	1	D6	12VSMD
18	10	D7,D8,D9,D10,D11,D12,D13,D14,D15,D16	9V1SMD
19	11	FIX1,FIX2,FIX3,FIX4,FIX5,FIX6,FIX7,FIX8,FIX9, FIX10,FIX11	FIX35
20	1	FS1	F2A_C
21	5	F1,F2,F3,F4,F5	DSS310
22	3	JP1,JP2,JP3	STRIP20
23	1	JP4	FLAT16V
24	1	JP5	FLAT40V
25	1	JP6	LUMBERG_6PV
26	1	PD1	PIAZ2
27	4	PD2,PD3,PD4,PD5	PAD10A
28	1	Q1	BC857BL
29	1	Q2	BC847BL
30	2	R1,R2	10_1/4W
31	2	R3,R4	220
32	4	R5,R10,R107,R108	20k_1%
33	21	R6,R7,R8,R9,R19,R20,R22,R25,R30,R31,R32, R70,R72,R73,R74,R85,R87,R88,R89,R101,R102	10k_1%
34	4	R11,R13,R15,R16	Rxx
35	1	R12	270k
36	2	R14,R38	33k2_1%
37	1	R17	RXE050
38	38	R18,R26,R27,R28,R29,R33,R34,R35,R36,R39, R40,R41,R42,R43,R44,R45,R46,R47,R48,R49, R50,R51,R52,R53,R54,R55,R56,R57,R59,R60, R61,R62,R63,R65,R66,R67,R68,R97	1k
39	11	R21,R76,R77,R78,R79,R90, R91,R92,R93,R103,R104	100_1%
40	3	R23,R24,R37	4k7
41	2	R64,R58	2k7_1/2W
42	5	R69,R71,R84,R86,R100	51_1%
43	1	R75	0.1_5W
44	5	R80,R81,R95,R96,R105	100k
45	5	R82,R83,R98,R99,R106	10_1%
46	1	R94	27k4_1/4W
47	1	R109	2k2
48	4	SH1,SH2,SH3,SH4	SHUNT2.5
49	6	TP1,TP2,TP3,TP4,TP5,TP6	TP
50	5	TR1,TR2,TR3,TR4,TR5	50k_T4S
51	10	U1,U5,U6,U7,U8,U9,U10,U11,U12,U13	TL074_SMD
52	1	U2	LM7812/TO220_90B
53	1	U3	LM7912/TO220_90B
54	1	U4	LM50C_SMD
55	5	U14,U15,U16,U17,U18	INA146

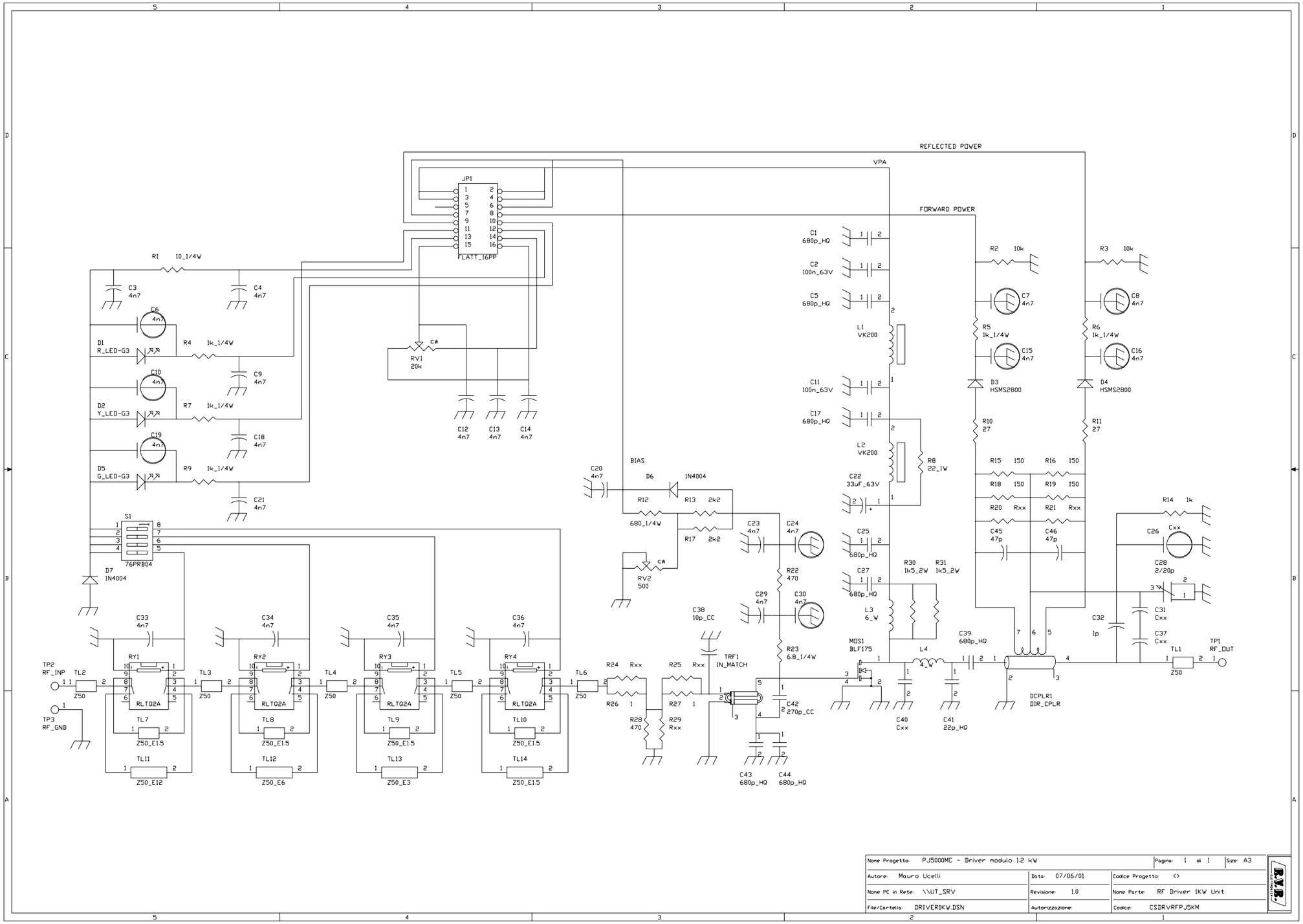
R.F. MODULE DRIVER

SLDRVRFPJ5M

LAYOUTS



Nome Progetto:	PJ5KPS - DRIVER MODULO RF 1,2 kW			Pagina: 1 di 1	Size: a3
Autore:	Ucelli - RE:Canazza	Data:	08/10/2002	Codice Progetto:	<>
Nome PC in Rete:	\\UT-SRV	Revisione:	1.0	Nome Parte:	Driver Modulo RF
File/Cartella:	CSDRVRFPJ5KM.DWG	Autorizzazione:		Codice:	SLDRVRFPJ5KM
Scala: 1:1	Materiale:	Trattamento:	<>	Profilo:	<>



Nome Progetto: PJ5000MC - Driver modulo 1.2 kW			Pagina: 1 di 1 Size: A3
Autore: Mauro Ucelli	Data: 07/06/01	Codice Progetto: <>	
Nome PC in Rete: \\UT_SRV	Revisione: 1.0	Nome Parte: RF Driver 1KW Unit	
File/Cartella: DRIVER1KW.DSN	Autorizzazione:	Codice: CSDRVRFPJ5KM	

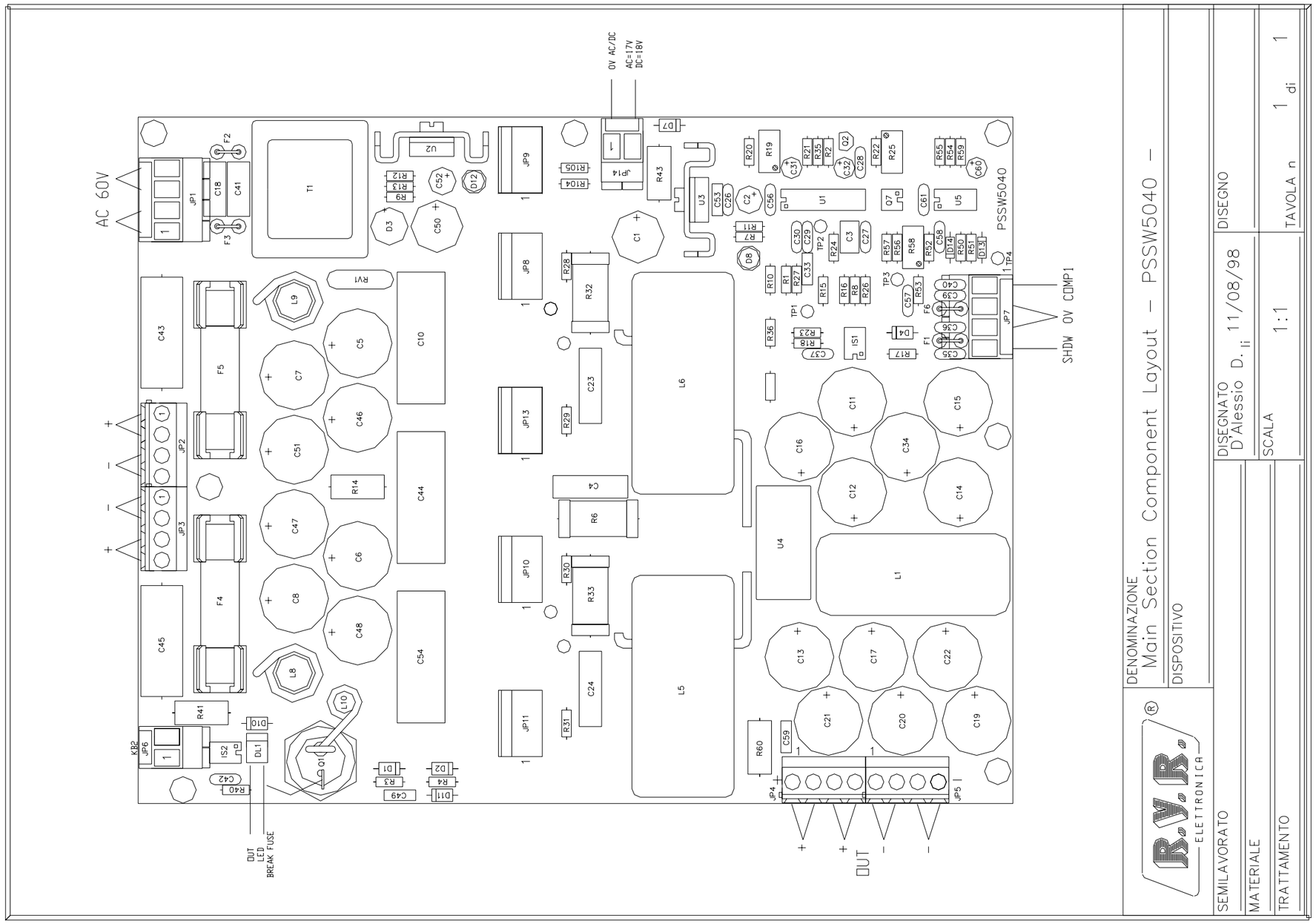
BILLS OF MATERIAL

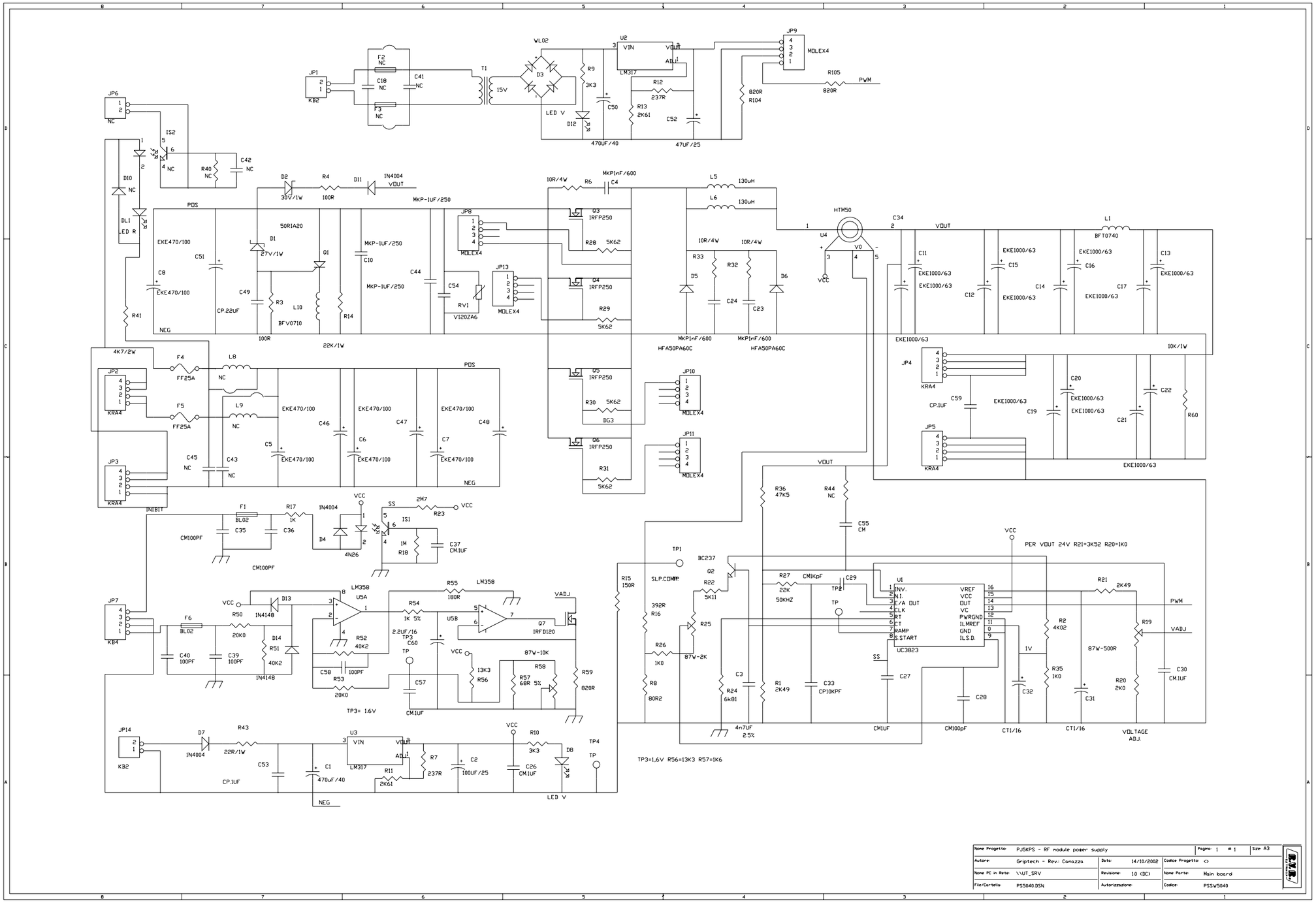
Item	Quantity	Reference	Part
1	8	C1,C5,C17,C25,C27,C39, C43,C44	680p_HQ
2	2	C11,C2	100n_63V
3	24	C3,C4,C6,C7,C8,C9,C10, C12,C13,C14,C15,C16,C18, C19,C20,C21,C23,C24,C29, C30,C33,C34,C35,C36	4n7
4	1	C22	33uF_63V
5	4	C26,C31,C37,C40	Cxx
6	1	C28	2/20p
7	1	C32	1p
8	1	C38	10p_CC
9	1	C41	22p_HQ
10	1	C42	270p_CC
11	2	C45,C46	47p
12	1	DCPLR1	DIR_CPLR
13	1	D1	R_LED-G3
14	1	D2	Y_LED-G3
15	2	D3,D4	HSMS2800
16	1	D5	G_LED-G3
17	2	D7,D6	1N4004
18	1	JP1	FLATT_16PP
19	2	L2,L1	VK200
20	1	L3	6_W
21	1	L4	4_W
22	1	MOS1	BLF175
23	1	RV1	20k
24	2	RV2,R14	1k
25	4	RY1,RY2,RY3,RY4	RLTQ2A
26	1	R1	10_1/4W
27	2	R2,R3	10k
28	5	R4,R5,R6,R7,R9	1k_1/4W
29	1	R8	22_1W
30	2	R11,R10	27
31	1	R12	680_1/4W
32	2	R13,R17	2k2
33	4	R15,R16,R18,R19	150
34	5	R20,R21,R24,R25,R29	Rxx
35	2	R22,R28	470
36	1	R23	6.8_1/4W
37	2	R26,R27	1
38	2	R31,R30	1k5_2W
39	1	S1	76PRB04
40	6	TL1,TL2,TL3,TL4,TL5,TL6	Z50
41	5	TL7,TL8,TL9,TL10,TL14	Z50_E1.5
42	1	TL11	Z50_E12
43	1	TL12	Z50_E6
44	1	TL13	Z50_E3
45	1	TP1	RF_OUT
46	1	TP2	RF_INP
47	1	TP3	RF_GND
48	1	TRF1	IN_MATCH

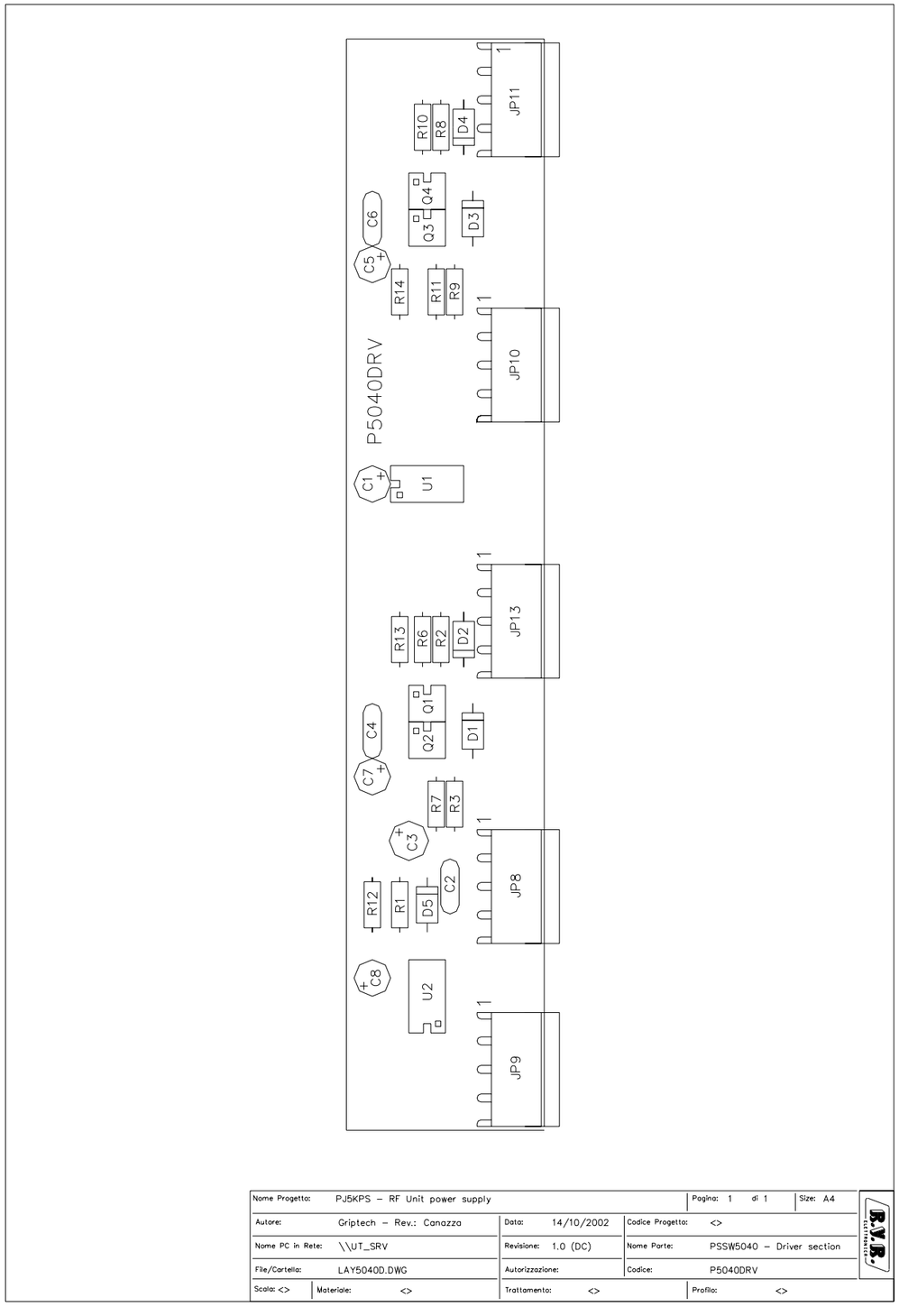
R.F. MODULE SWITCHING POWER SUPPLY

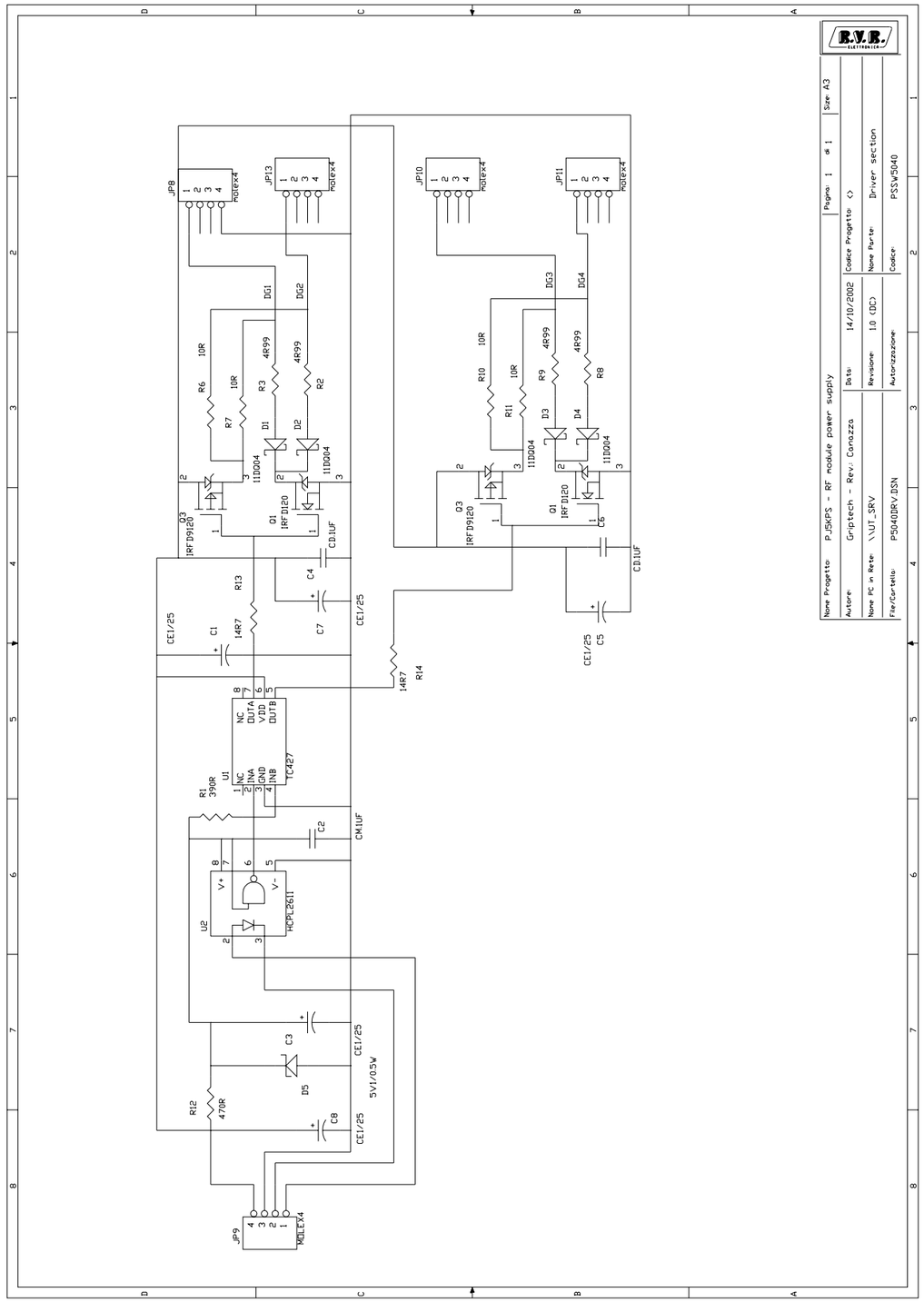
PSSW5040

LAYOUTS




JP1
KB2
F2
NC
F3
NC
C41
NC
C18
NC
T1
15V
WL02
D3
U2
VIN
VOUT
ADJ
LM317
R9
3K3
C50
470UF/40
LED V
D12
R12
237R
R13
2K61
C52
47UF/25
JP9
MOLEX4
R105
PWM
820R
820R
R104
JP6
NC
IS2
R40
NC
C42
NC
D10
NC
DL1
LED R
D2
30V/1W
R4
100R
D11
1N4004
VOUT
MKP-1UF/250
POS
EKE470/100
C51
C8
EKE470/100
50R1A20
D1
27V/1W
Q1
BFV0710
L10
R3
C49
CP.22UF
MKP-1UF/250
C10
MKP-1UF/250
C44
C54
RV1
V120ZA6
JP13
MOLEX4
R41
NEG
100R
22K/1W
JP8
MOLEX4
10R/4W
R6
MKP1nF/600
C4
Q3
IRFP250
R28
5K62
Q4
IRFP250
R29
5K62
L5
130uH
L6
130uH
10R/4W
10R/4W
R33
R32
D5
D6
C24
C23
MKP1nF/600
MKP1nF/600
HFA50PA60C
HFA50PA60C
HTM50
U4
V0
VCC
C34
VOUT
C11
EKE1000/63
EKE1000/63
C12
C15
EKE1000/63
EKE1000/63
C14
C16
EKE1000/63
EKE1000/63
C17
C13
EKE1000/63
L1
BFT0740
4K7/2W
F4
FF25A
L8
NC
F5
FF25A
L9
NC
JP2
KRA4
POS
EKE470/100
EKE470/100
EKE470/100
C46
C47
C48
C5
EKE470/100
C6
EKE470/100
C7
EKE470/100
C45
NC
C43
NC
JP3
KRA4
INIBIT
NEG
Q5
IRFP250
R30
5K62
DG3
Q6
IRFP250
R31
5K62
JP10
MOLEX4
JP11
MOLEX4
JP4
KRA4
C59
CP.1UF
EKE1000/63
C20
EKE1000/63
C19
EKE1000/63
C22
EKE1000/63
C21
10K/1W
R60
JP5
KRA4
EKE1000/63
VOUT
R36
47K5
R44
NC
C55
CM
F1
BL02
R17
1K
C35
CM100PF
C36
CM100PF
1N4004
D4
4N26
SS
2M7
R23
VCC
IS1
IN
R18
C37
CM1UF
JP7
KB4
F6
BL02
VCC
D13
1N4148
R50
20K0
C40
100PF
C39
100PF
D14
1N4148
R51
40K2
LM358
U5A
R52
40K2
C58
100PF
R53
20K0
R54
1K 5%
R55
180R
LM358
U5B
VADJ
Q7
IRFD120
2.2UF/16
TP3
C60
TP
C57
CM1UF
VCC
13K3
R56
87W-10K
R58
R57
68R 5%
R59
820R
TP3= 1.6V
JP14
KB2
D7
1N4004
R43
22R/1W
C53
CP.1UF
U3
VIN
VOUT
ADJ
LM317
C1
470UF/40
R11
2K61
R7
237R
C2
100UF/25
C26
CM1UF
R10
3K3
D8
LED V
TP4
TP
NEG
VCC
TP1
BC237
Q2
R15
150R
SLP.COMP
R22
5K11
R27
22K
50KHZ
CM1KpF
C29
TP2
TP
392R
R16
R26
1K0
87W-2K
R25
R8
80R2
C3
R24
6k81
4n7UF
2.5%
R1
2K49
C33
CP10KPF
U1
INV.
N.I.
E/A OUT
CLK
RT
CT
RAMP
S.START
UC3823
VREF
VCC
OUT
VC
PWRGND
ILMREF
GND
ILS.D.
SS
C27
C28
CM1UF
CM100pF
1V
C32
CT1/16
R35
1K0
R2
4K02
C31
CT1/16
R21
2K49
87W-500R
R20
2K0
R19
PWM
VADJ
C30
CM1UF
VOLTAGE
ADJ.
PER VOUT 24V R21=3K52 R20=1K0
TP3=1,6V R56=13K3 R57=1K6
None Progetto: PJ5KPS - RF module power supply
Pagina: 1 di 1
Size: A3
Autore: Griptech - Rev: Canazza
Data: 14/10/2002
Codice Progetto: <>
None PC in Rete: \\UT_SRV
Revisione: 1.0 (DC)
None Parte: Main board
File/Cartella: PS5040.DSN
Autorizzazione:
Codice: PSSW5040


P5040DRV
JP11
JP10
JP13
JP8
JP9
U1
U2
Q1
Q2
Q3
Q4
D1
D2
D3
D4
D5
R1
R2
R3
R6
R7
R8
R9
R10
R11
R12
R13
R14
C1
C2
C3
C4
C5
C6
C7
C8
Nome Progetto: PJ5KPS – RF Unit power supply
Pagina: 1 di 1
Size: A4
Autore: Griptech – Rev.: Canazza
Data: 14/10/2002
Codice Progetto: <>
Nome PC in Rete: \\UT_SRV
Revisione: 1.0 (DC)
Nome Parte: PSSW5040 – Driver section
File/Cartella: LAY5040D.DWG
Autorizzazione:
Codice: P5040DRV
Scala: <>
Materiale: <>
Trattamento: <>
Profilo: <>

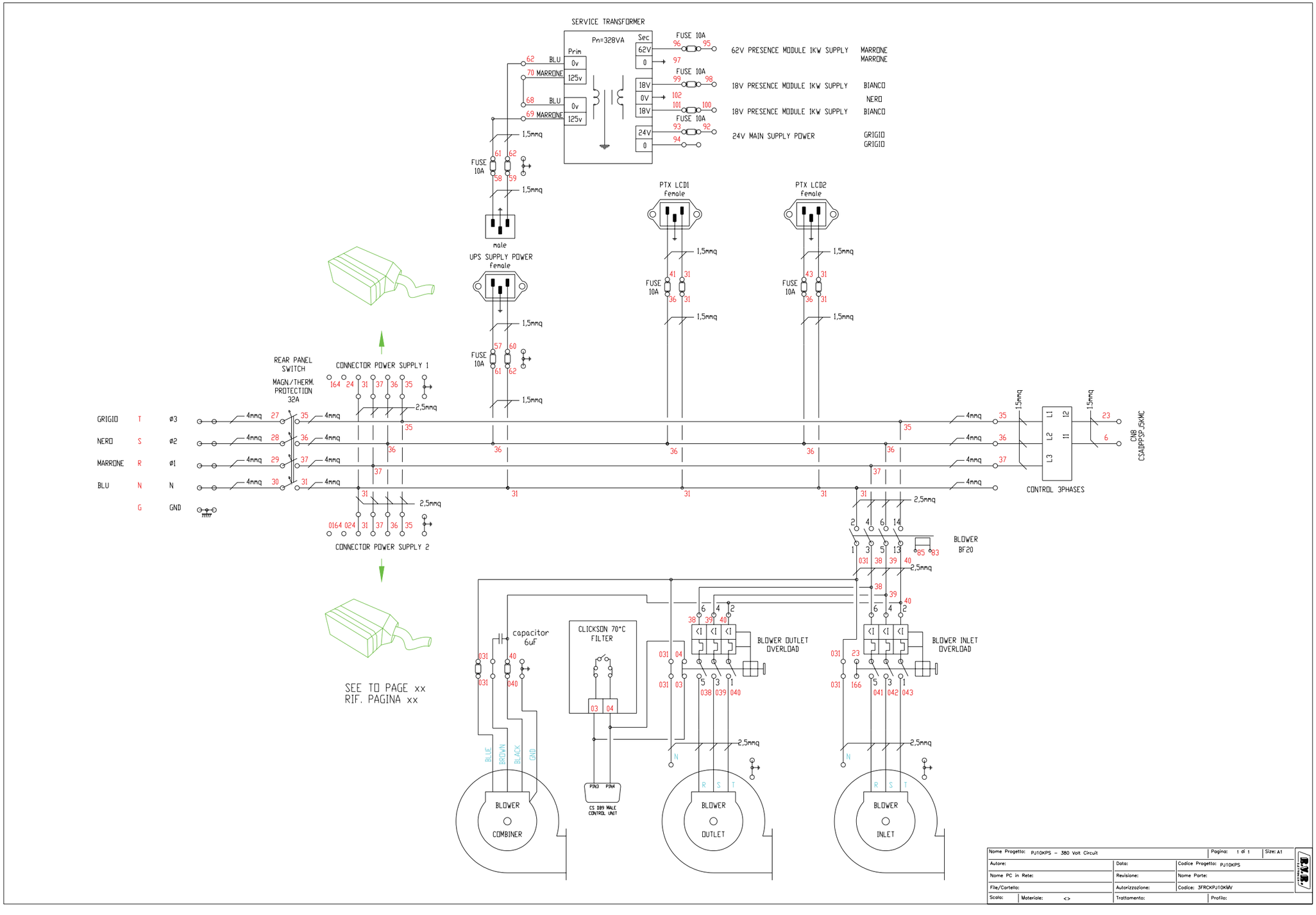

Nome Progetto: PJ5KPS – RF module power supply
Pagina: 1 di 1
Size: A3
Autore: Griptech – Rev.: Canazza
Data: 14/10/2002
Codice Progetto: <>
Nome PC in Rete: \\UT_SRV
Revisione: 1.0 (DC)
Nome Parte: Driver section
File/Cartella: P5040DRV.DSN
Autorizzazione:
Codice: PSSW5040
JP8
JP13
JP10
JP11
JP9
MOLEX4
DG1
DG2
DG3
DG4
R1
R2
R3
R6
R7
R8
R9
R10
R11
R12
R13
R14
10R
4R99
390R
470R
14R7
D1
D2
D3
D4
D5
Q1
Q3
IRFD9120
IRFD120
1ID004
5V1/05W
U1
U2
TC427
HCPL2611
C1
C2
C3
C4
C5
C6
C7
C8
CE1/25
CD1UF
CM1UF

BILLS OF MATERIAL

Item	Quantity	Reference	Part
1	2	Q7, Q1	IRFD120
2	4	Q3, Q4, Q5, Q6	IRFP250
3	1	Q3	IRFD9120
4	2	C1,C50	470UF/40
5	5	C1,C3,C5,C7,C8	CE1/25
6	2	C2,C1	EYS4700/100
7	1	C2	100UF/25
8	5	C2,C26,C30,C37,C57	CM.1UF
9	10	C3,C4,C5,C6,C7,C8,C46, C47,C48,C51	EKE470/100
10	1	C3	4n7UF
11	3	C4,C23,C24	MKP1nF/600
12	2	C4,C6	CD.1UF
13	1	C7	CA1/250
14	3	C10,C44,C54	MKP-1UF/250
15	12	C11,C12,C13,C14,C15,C16, C17,C19,C20,C21,C22,C34	EKE1000/63
16	11	IS2,F2,F3,L8,L9,D10,C18, R40,C42,R44,C45	NC
17	1	C27	CM1UF
18	3	C28,C35,C36	CM100PF
19	1	C29	CM1KpF
20	2	C31,C32	CT1/16
21	1	C33	CP10KPF
22	3	C39,C40,C58	100PF
23	3	JP6,C41,C43	NC
24	1	C49	CP.22UF
25	1	C52	47UF/25
26	2	C53,C59	CP.1UF
27	1	C55	CM
28	1	C60	2.2UF/16
29	1	DL1	LED R
30	4	D1,D2,D3,D4	11DQ04
31	1	D1	27V/1W
32	2	D1,D2	40EPS08
33	1	D2	30V/1W
34	1	D3	WL02
35	3	D4,D7,D11	1N4004
36	2	D6,D5	HFA50PA60C
37	1	D5	5V1/0.5W
38	2	D12,D8	LED V
39	2	D13,D14	1N4148
40	2	F6,F1	BL02
41	2	F5,F4	FF25A
42	1	IS1	4N26
43	2	JP1,JP14	PHOENIX2
44	1	JP1	KRA10
45	4	JP2,JP3,JP4,JP5	KRA4
46	1	JP7	KB4
47	5	JP8,JP9,JP10,JP11,JP13	MOLEX4
48	1	JP12	JUMPER2
49	1	L1	BFV0720
50	1	L1	BFT0740
51	2	L5,L6	130uH
52	1	L10	BFV0710
53	1	Q1	50RIA20
54	1	Q2	BC237
55	1	RV1	V120ZA6
56	1	R1	22K
57	2	R1,R21	2K49
58	1	R1	390R
59	1	R2	4K02
60	4	R2,R3,R8,R9	4R99
61	2	R3,R4	100R
62	4	R6,R7,R10,R11	10R
63	3	R6,R32,R33	10R/4W
64	2	R7,R12	237R
65	1	R8	80R2
66	2	R9,R10	3K3
67	2	R11,R13	2K61
68	1	R12	470R
69	2	R14,R13	14R7
70	1	R14	22K/1W
71	1	R15	150R
72	1	R16	392R
73	1	R17	1K
74	1	R18	1M
75	1	R19	87W-500R
76	1	R20	2K0
77	1	R22	5K11
78	1	R23	2M7
79	1	R24	6k81
80	1	R25	87W-2K
81	2	R35,R26	1K0
82	1	R27	22K
83	4	R28,R29,R30,R31	5K62
84	1	R36	47K5
85	1	R41	4K7/2W
86	1	R43	22R/1W
87	2	R50,R53	20K0
88	2	R52,R51	40K2
89	1	R54	1K 5%
90	1	R55	180R
91	1	R56	13K3
92	1	R57	68R 5%
93	1	R58	87W-10K
94	3	R59,R104,R105	820R
95	1	R60	10K/1W
96	4	TP1,TP2,TP3,TP4	TP
97	1	T1	15V
98	1	U1	TC427
99	1	U1	UC3823
100	1	U2	HCPL2611
101	2	U3,U2	LM317
102	1	U4	HTM50
103	1	U5	LM358

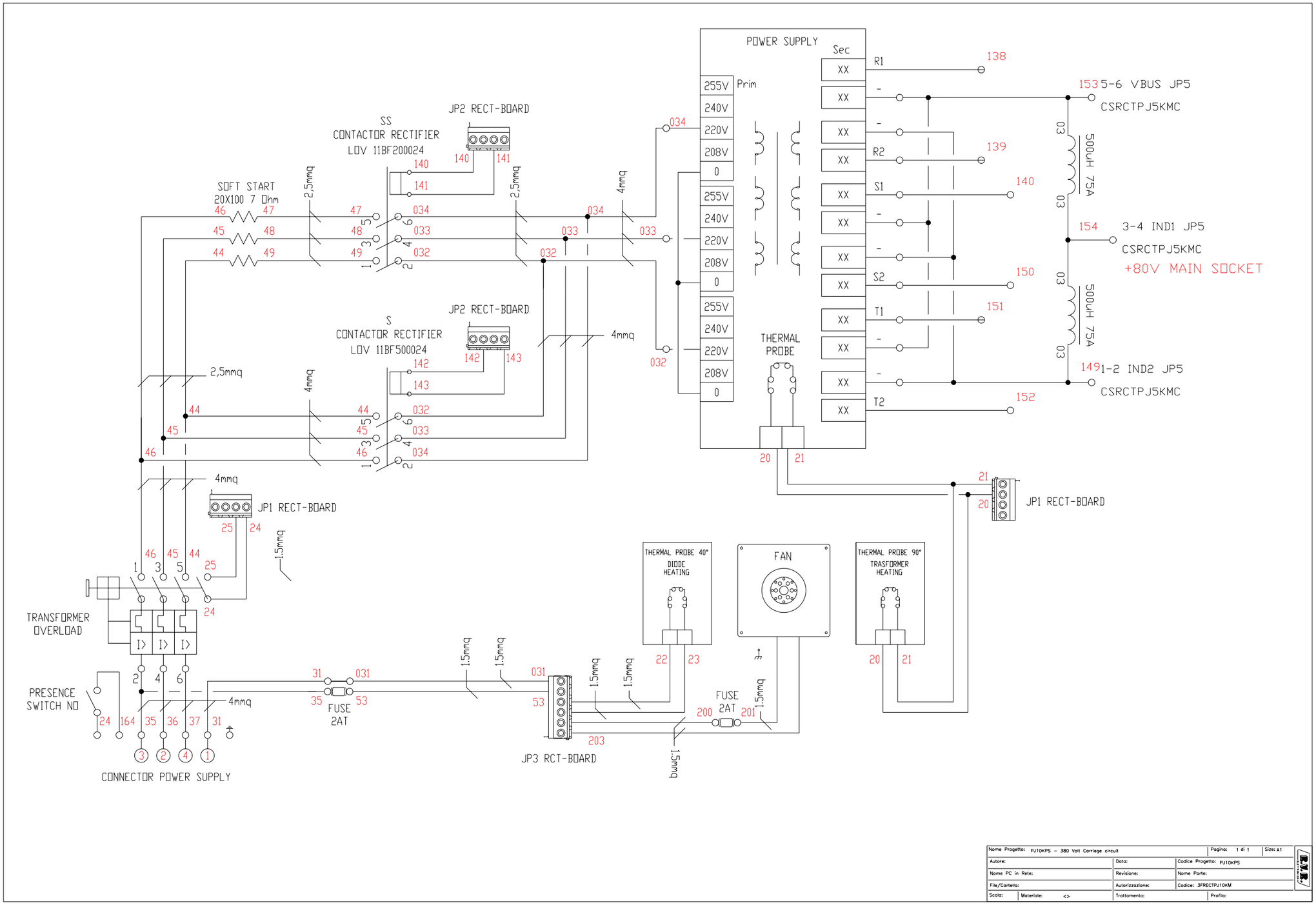
380 VOLT CIRCUIT

3FRCKPJ10KMC



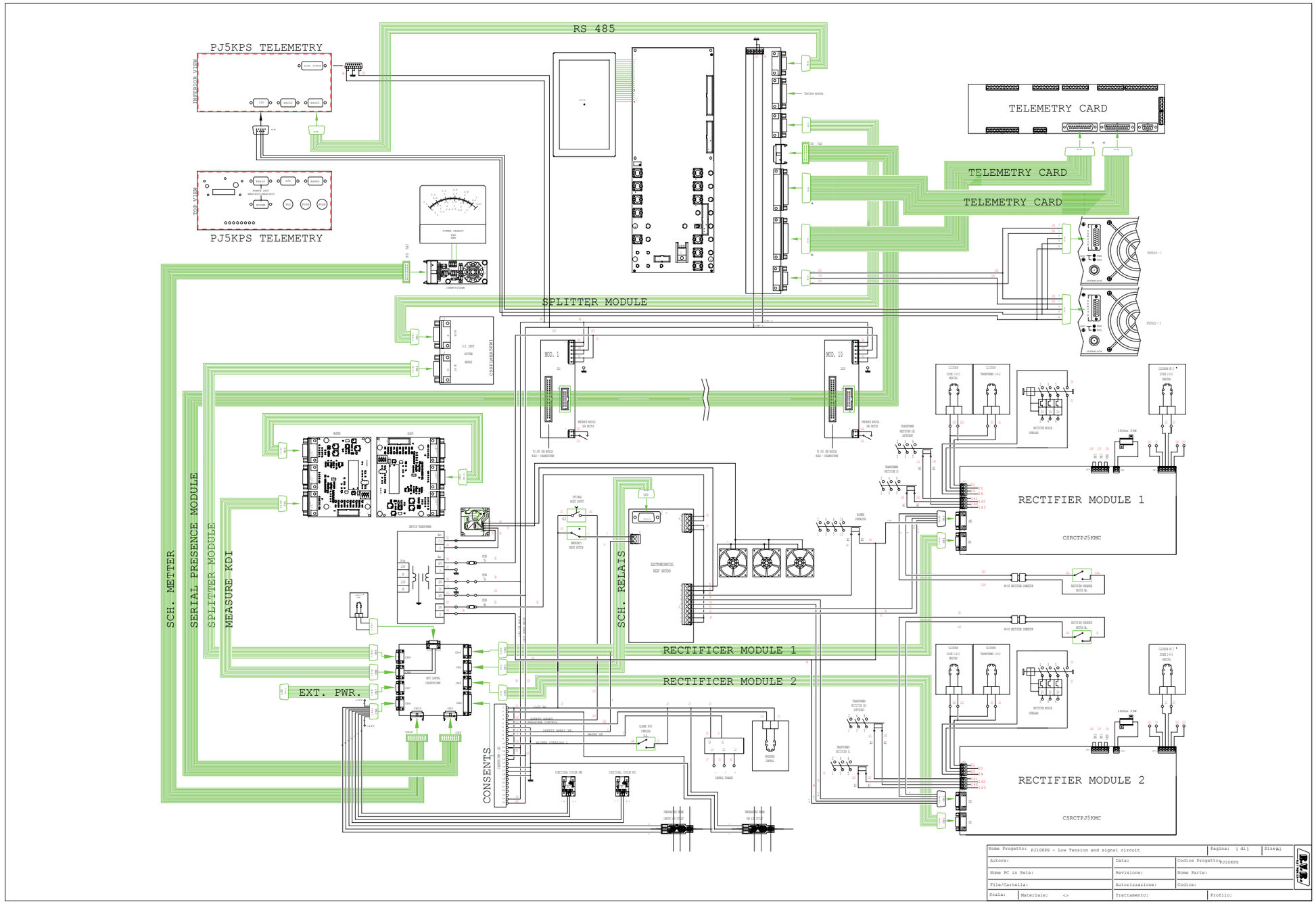
380 VOLT CARRIAGE CIRCUIT

3FRECTPJ10KM



LOW TENSION AND SIGNALS CIRCUIT

LOWTENPJ10KM



PJ10KPS – Appendice Tecnica

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Via del Fonditore 2/2c – 40138 Bologna Italia
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Web: www.rvr.it