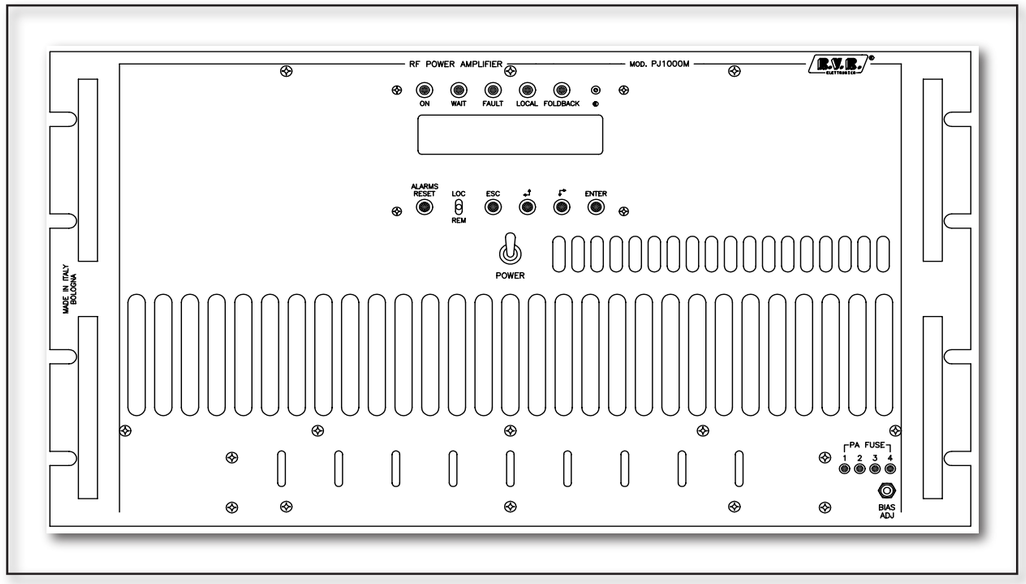
PJ1000M



User Manual

Volume 2: Technical Appendix

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

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

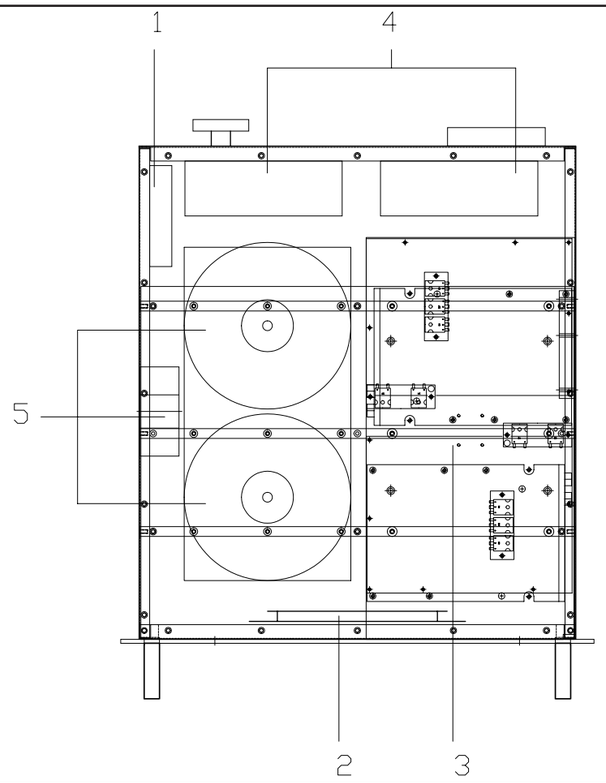
Questa parte del manuale contiene i dettagli tecnici riguardanti la costruzione delle singole schede componenti il PJ1000M. L'appendice è composta dalle seguenti sezioni:

This part of the manual contains the technical details about the different boards of the PJ1000M*. This appendix is composed of the following sections:*

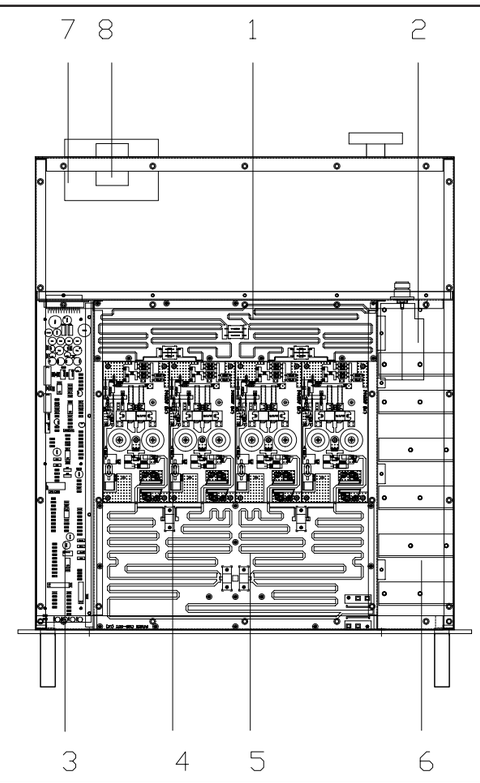
Document History

Date	Version	Reason	Code	Editor
02/07/03	2.0	First Release in A3 Format	N.D.	G. De Donno
04/09/03	2.1	Minor Corrections	N.D.	J.H. Berti
16/09/03	2.2	Add SLFILPJ1KM Board Informations	N.D.	J.H. Berti
12/12/05	2.3	Wiring Diagrams Update	N.D.	J.H. Berti
01/02/06	2.4	SL042RF1001 board upgrade	RM0206	J.H. Berti

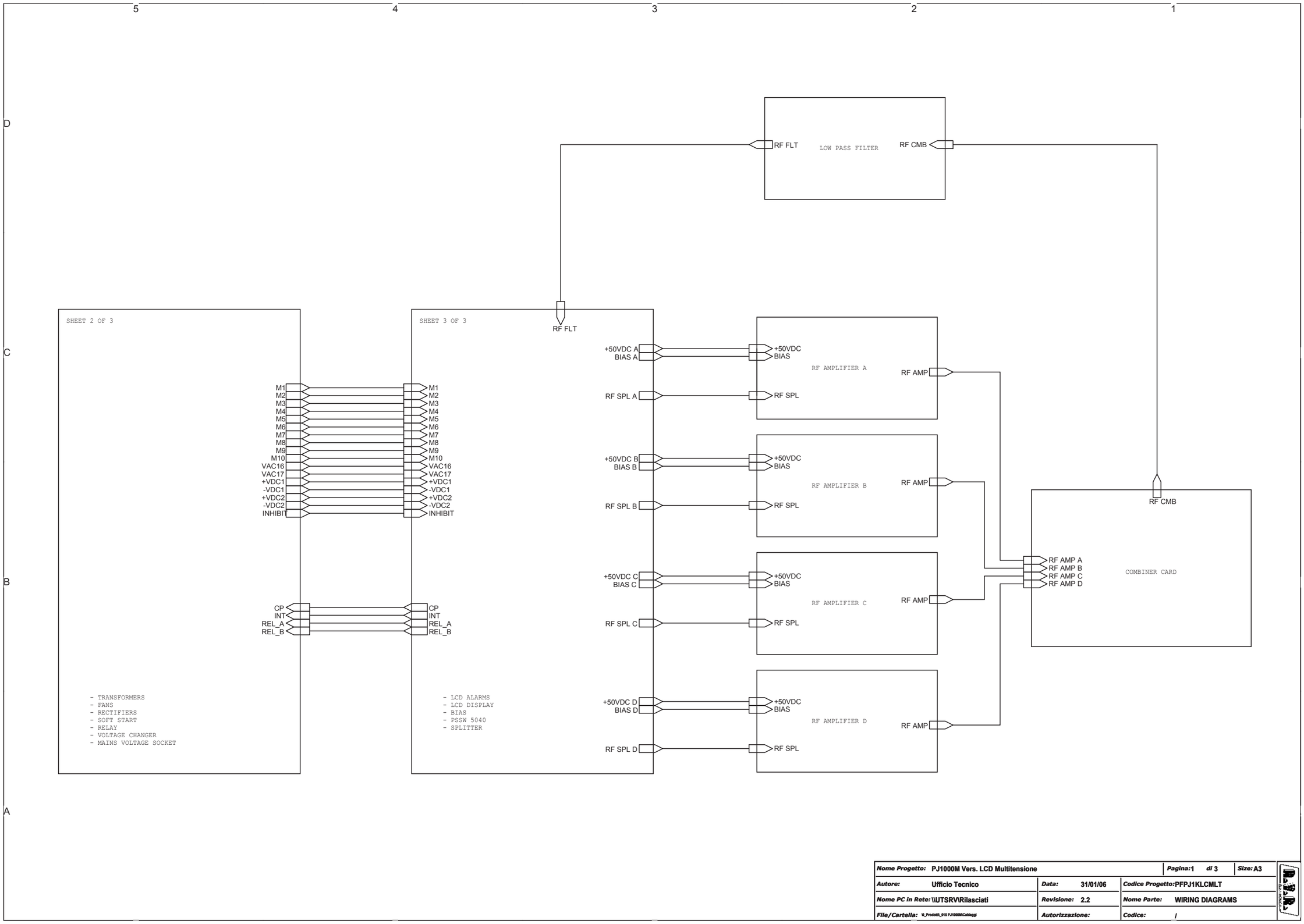
Boards Identification



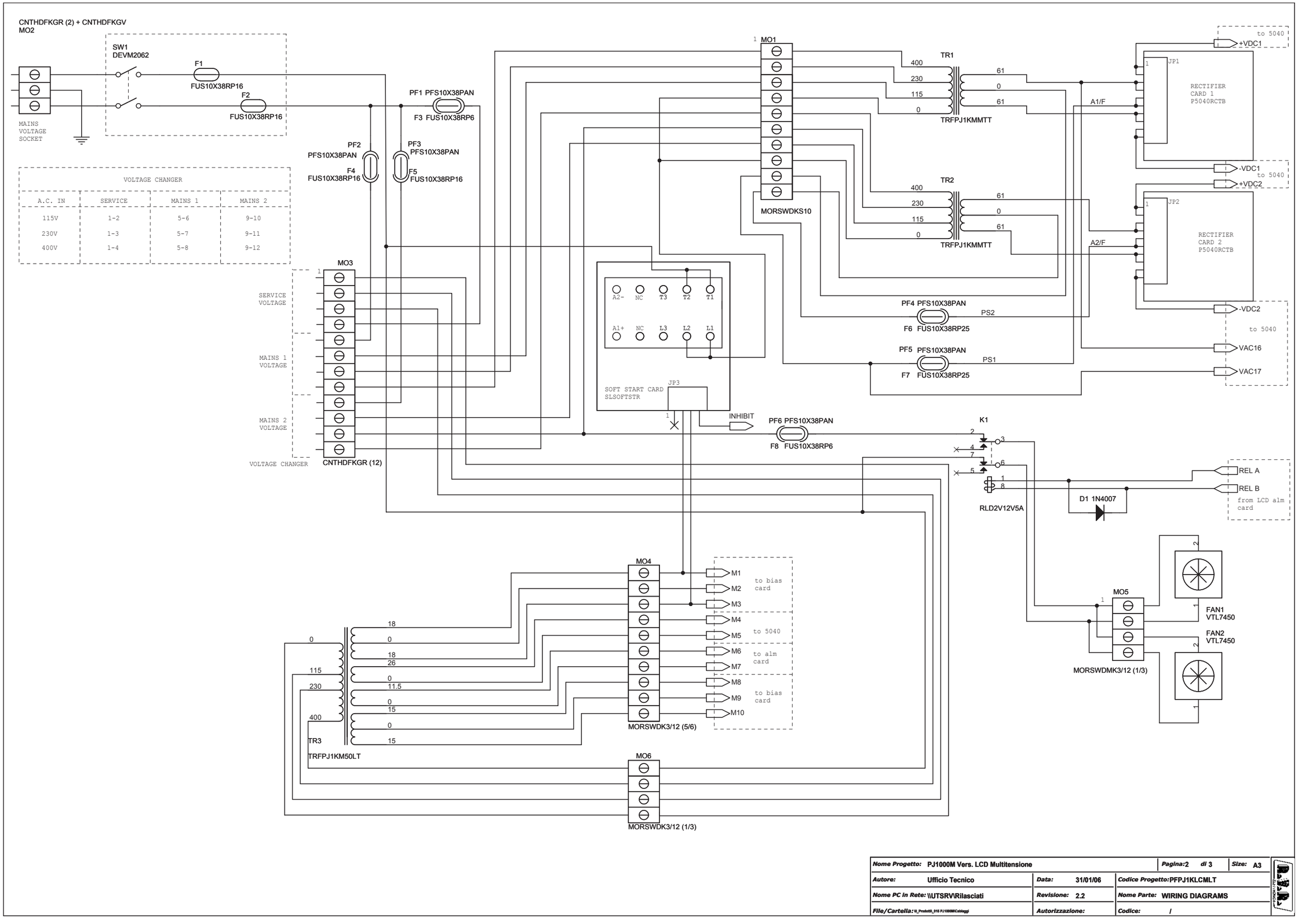
[1] Soft Start Card (SLSOFTSTR)
[2] CPU Section (PROTPJ-HCLD)
[3] Switching Power Supply (PSSW5040)
[4] Cooling Fan (2x VTL7450)
[5] Transformer (1x TRFPJ1KM50LT + 2x TRFPJ1KMMTT)



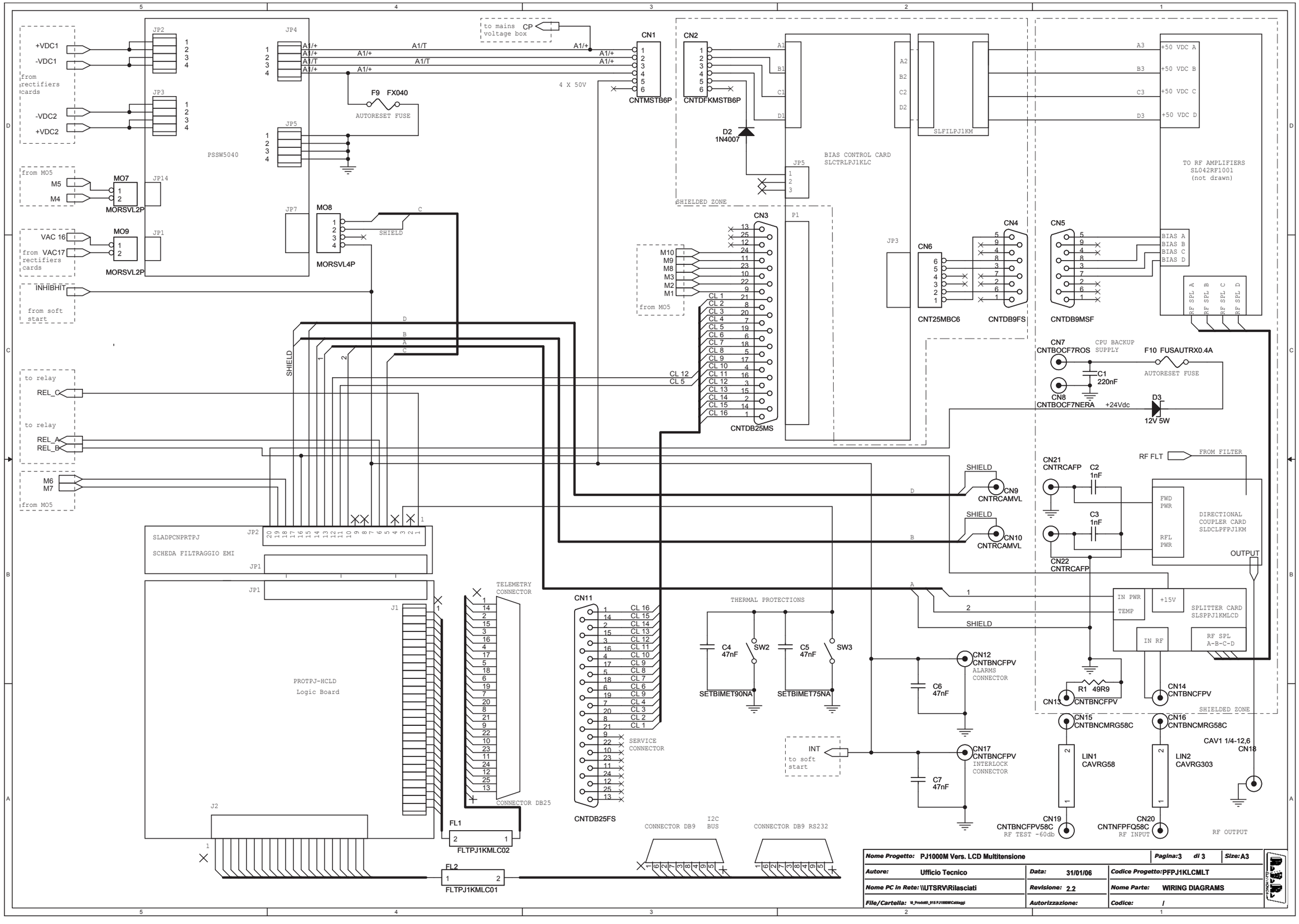
[1] Wilkinson “4-Way” Splitter Card (SLSPPJ1KMLCD)
[2] Directional Coupler (SLLPFPJ1KSTR)
[3] Bias Control Card (SLCTRLPJ1KLC)
[4] R.F. Power Amplifier Module (SL042RF1001)
[5] Wilkinson “4-Way” Combiner Card (CSCMB-OUT/A)
[6] Low Pass Filter (SLLPFPJ1KSTR)
[7] Voltage changer
[8] Mains voltage box



Nome Progetto: PJ1000M Vers. LCD Multitensione		**Pagina:** 1 di 3	**Size:** A3
Autore: Ufficio Tecnico	**Data:** 31/01/06	**Codice Progetto:** PFPJ1KLCMLT	
Nome PC in Rete: \\UTSRV\Rilasciati	**Revisione:** 2.2	**Nome Parte:** WIRING DIAGRAMS	
File/Cartella: \9_Prodotti\5_015 PJ1000M\Catalogo	**Autorizzazione:**	**Codice:** /	



Nome Progetto:	PJ1000M Vers. LCD Multitensione			**Pagina:** 2 di 3	**Size:** A3
Autore:	Ufficio Tecnico	**Data:**	31/01/06	**Codice Progetto:**	PFPJ1KLCMLT
Nome PC in Rete:	\\UTSRV\Rilasciati	**Revisione:**	2.2	**Nome Parte:**	WIRING DIAGRAMS
File/Cartella:	\\I_Prodotti_015 PJ1000M\Cablaggi	**Autorizzazione:**		**Codice:**	/



Nome Progetto: PJ1000M Vers. LCD Multitensione		**Pagina:** 3 di 3	**Size:** A3
Autore: Ufficio Tecnico	**Data:** 31/01/06	**Codice Progetto:** PFPJ1KLCMLT	
Nome PC in Rete: \\UTSRV\Rilasciati	**Revisione:** 2.2	**Nome Parte:** WIRING DIAGRAMS	
File/Cartella: \8_Prodotti_915 PJ1000M\Cablaggi	**Autorizzazione:**	**Codice:** /	

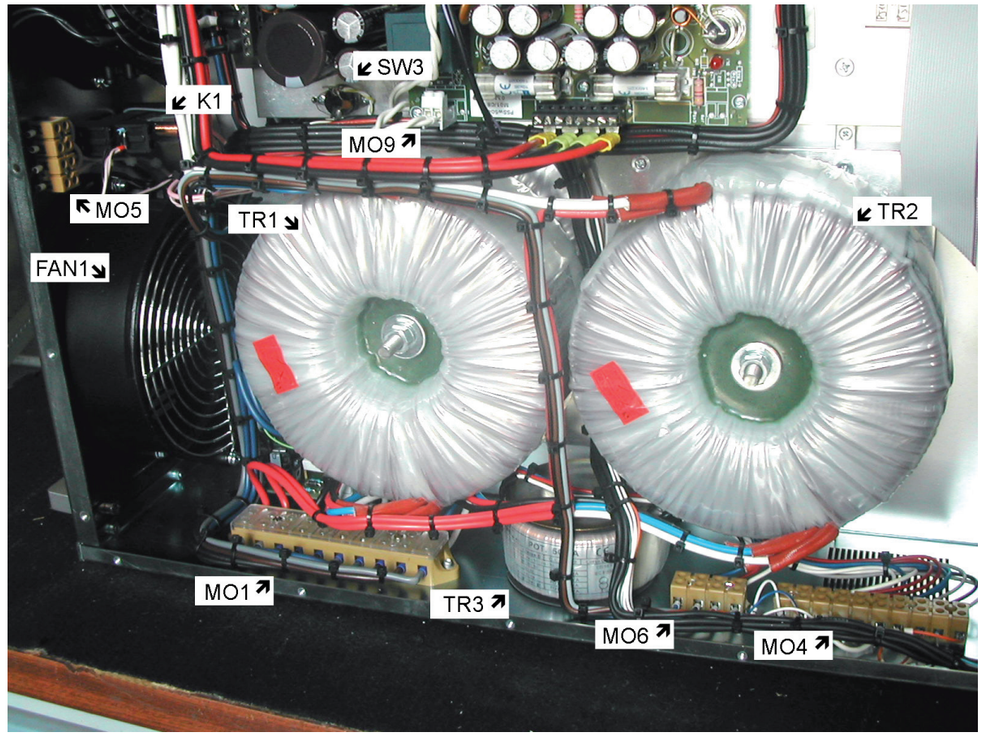


Photo 1

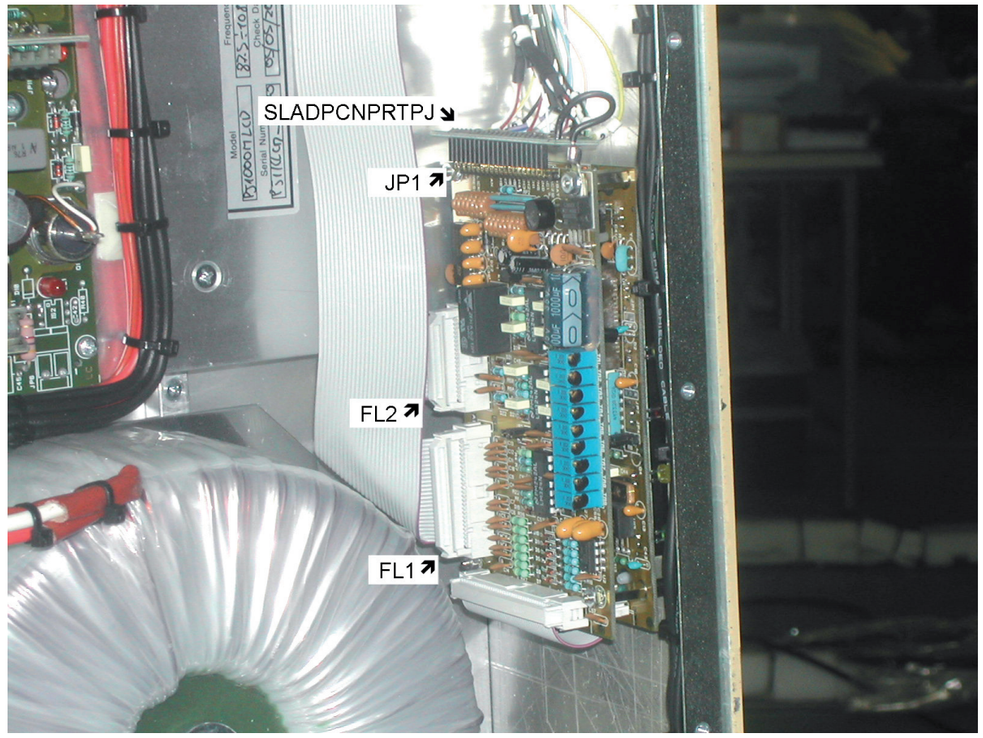


Photo 2

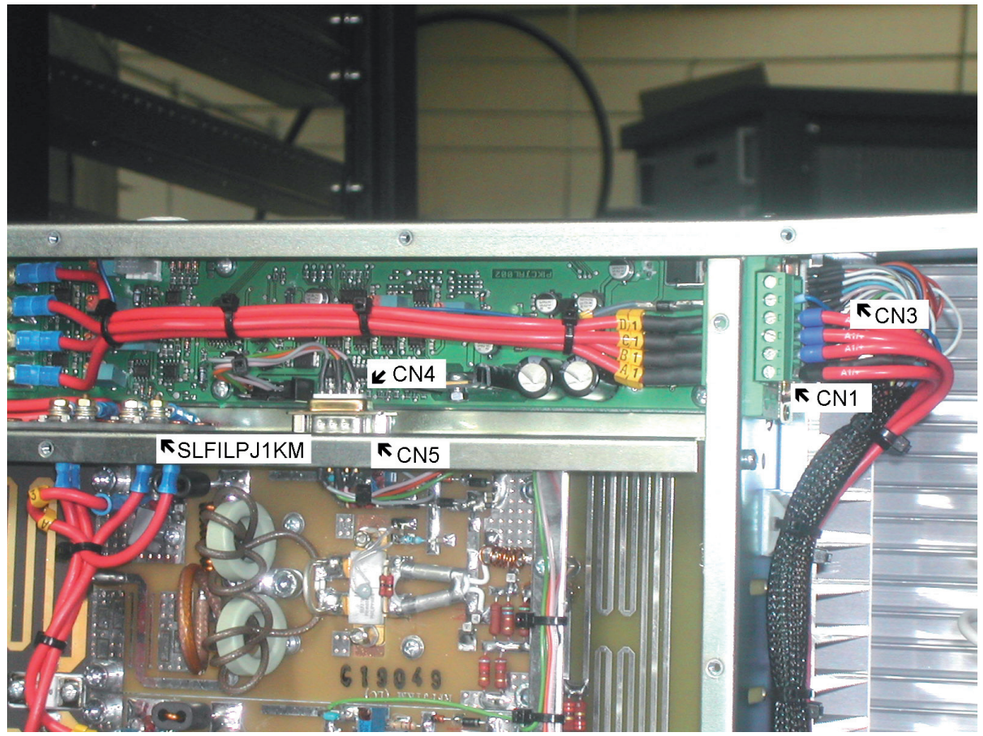


Photo 3

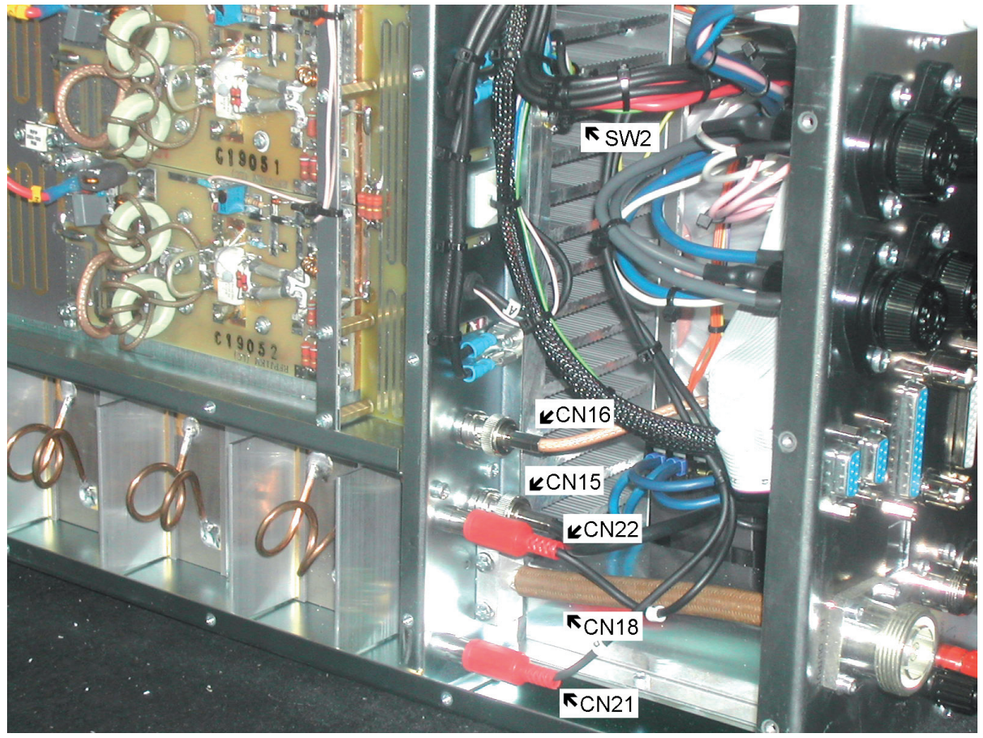


Photo 4

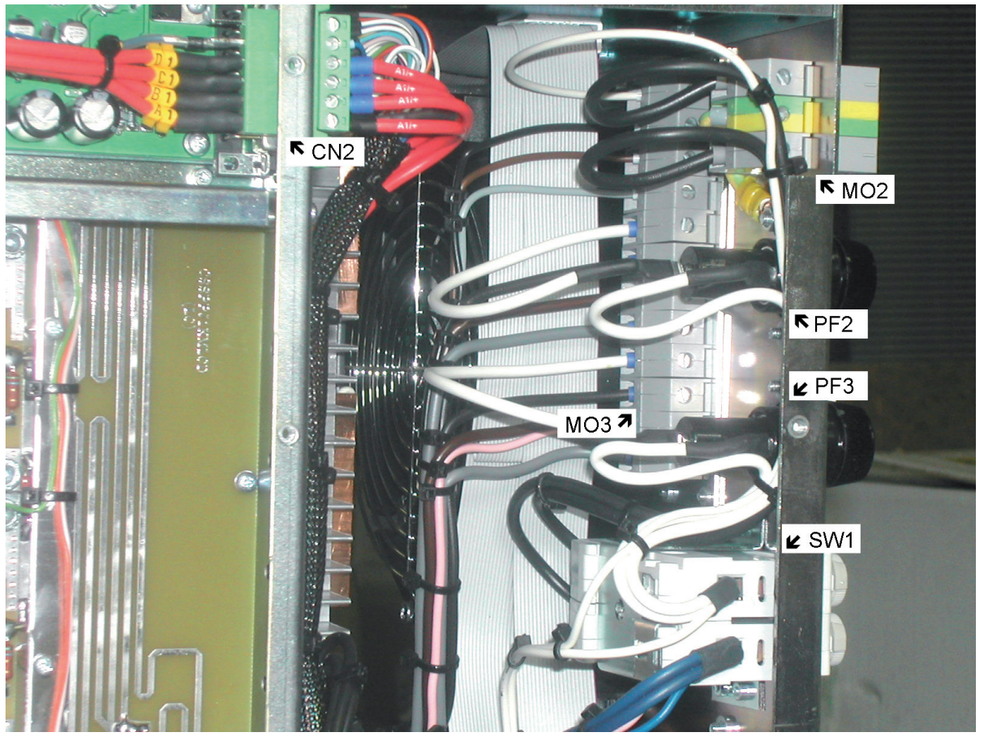


Photo 5

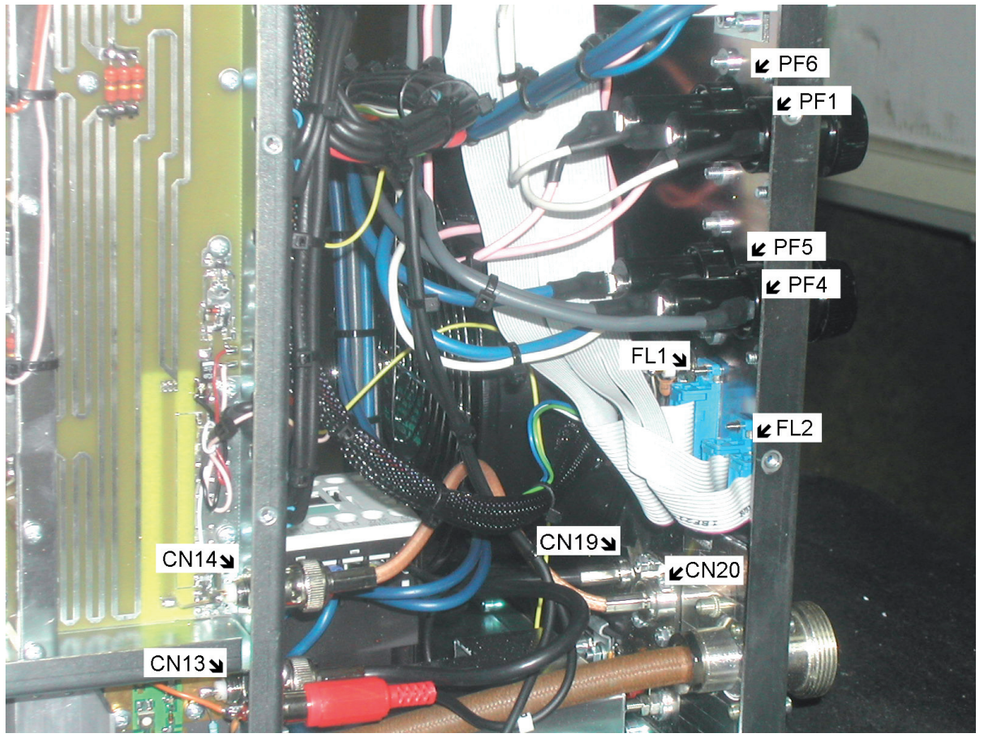
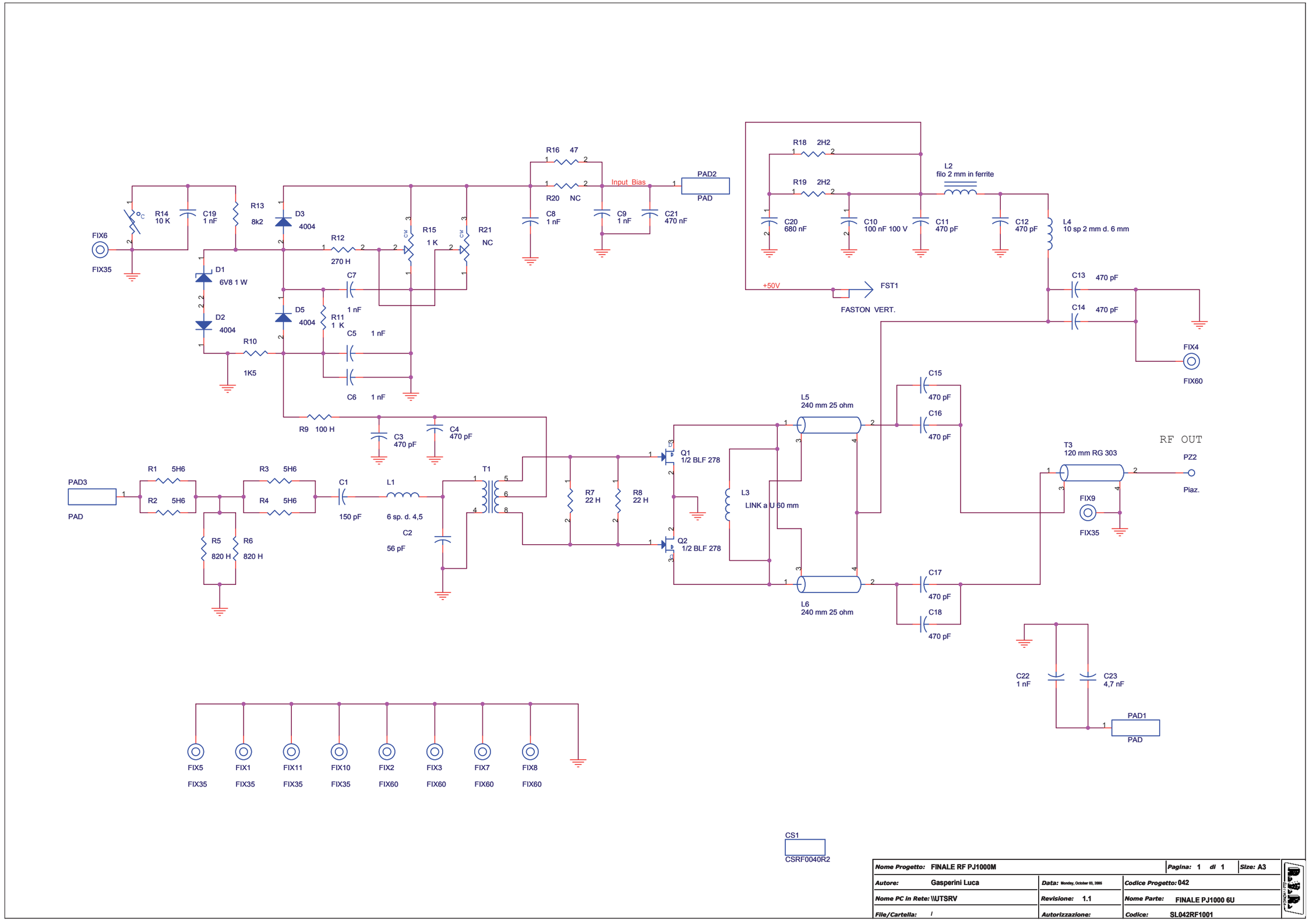
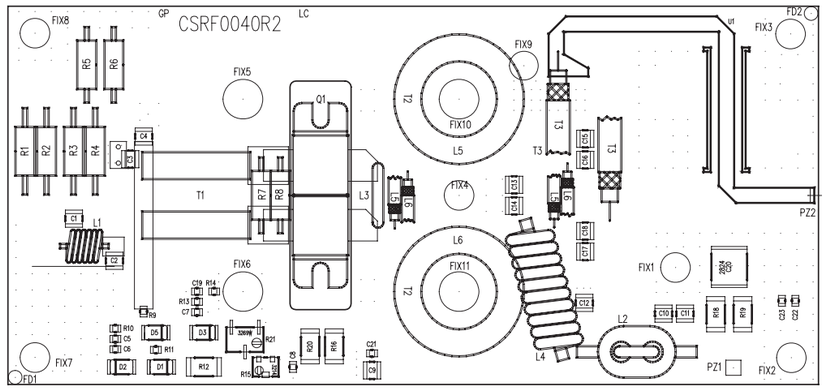


Photo 6

PJ1000M Vers. LCD Multitensione
Revised: 31/01/2006
Revision: 2.2

Item	Quantity	Reference	Part
1	1	CN1	CNTMSTB6P
2	1	CN2	CNTDFKMSTB6P
3	1	CN3	CNTDB25MS
4	1	CN4	CNTDB9FS
5	1	CN5	CNTDB9MSF
6	1	CN6	CNT25MBC6
7	1	CN7	CNTBOCF7ROS
8	1	CN8	CNTBOCF7NERA
9	2	CN9, CN10	CNTRCAMVL
10	1	CN11	CNTDB25FS
11	4	CN12, CN13, CN14, CN17	CNTBNCFPV
12	2	CN15, CN16	CNTBNCMRG58C
13	1	CN18	CAV1 1/4-12,6
14	1	CN19	CNTBNCFPV58C
15	1	CN20	CNTNFPFQ58C
16	2	CN21, CN22	CNTRCAFP
17	1	C1	220nF
18	2	C2, C3	1nF
19	4	C4, C5, C6, C7	47nF
20	2	D1, D2	1N4007
21	1	D3	12V 5W
22	2	FAN1, FAN2	VTL7450
23	1	FL1	FLTPJ1KMLC02
24	1	FL2	FLTPJ1KMLC01
25	4	F1, F2, F4, F5	FUS10X38RP16
26	2	F3, F8	FUS10X38RP6
27	2	F6, F7	FUS10X38RP25
28	1	F9	FX040
29	1	F10	FUSAUTRX0.4A
30	1	K1	RLD2V12V5A
31	1	LIN1	CAVRG58
32	1	LIN2	CAVRG303
33	1	MO1	MORSWDKS10
34	1	MO2	CNTHDFKGR (2) + CNTHDFKGV
35	1	MO3	CNTHDFKGR (12)
36	1	MO4	MORSWDK3/12 (5/6)
37	1	MO5	MORSWDMK3/12 (1/3)
38	1	MO6	MORSWDK3/12 (1/3)
39	2	MO7, MO9	MORSVL2P
40	1	MO8	MORSVL4P
41	6	PF1, PF2, PF3, PF4, PF5, PF6	PFS10X38PAN
42	1	R1	49R9
43	1	SW1	DEVM2062
44	1	SW2	SETBIMET90NA
45	1	SW3	SETBIMET75NA
46	2	TR1, TR2	TRFPJ1KMMTT
47	1	TR3	TRFPJ1KM50LT


R16 47
R18 2H2
R19 2H2
L2
filo 2 mm in ferrite
Input Bias
PAD2
PAD
R20 NC
C8 1 nF
C9 1 nF
C21 470 nF
C20 680 nF
C10 100 nF 100 V
C11 470 pF
C12 470 pF
L4
10 sp 2 mm d. 6 mm
FIX6
FIX35
R14 10 K
C19 1 nF
R13 8k2
D3 4004
R12 270 H
R15 1 K
R21 NC
D1 6V8 1 W
D2 4004
D5 4004
R11 1 K
C7 1 nF
C5 1 nF
C6 1 nF
R10 1K5
+50V
FST1
FASTON VERT.
C13 470 pF
C14 470 pF
FIX4
FIX60
R9 100 H
C3 470 pF
C4 470 pF
L5
240 mm 25 ohm
C15 470 pF
C16 470 pF
Q1
1/2 BLF 278
Q2
1/2 BLF 278
T1
R7 22 H
R8 22 H
L3
LINK a U 60 mm
RF OUT
T3
120 mm RG 303
PZ2
Piaz.
FIX9
FIX35
PAD3
PAD
R1 5H6
R2 5H6
R3 5H6
R4 5H6
R5 820 H
R6 820 H
C1 150 pF
L1
6 sp. d. 4,5
C2 56 pF
L6
240 mm 25 ohm
C17 470 pF
C18 470 pF
C22 1 nF
C23 4,7 nF
PAD1
PAD
FIX5
FIX35
FIX1
FIX35
FIX11
FIX35
FIX10
FIX35
FIX2
FIX60
FIX3
FIX60
FIX7
FIX60
FIX8
FIX60
CS1
CSRF0040R2
Nome Progetto: FINALE RF PJ1000M
Pagina: 1 di 1
Size: A3
Autore: Gasperini Luca
Data: Monday, October 03, 2005
Codice Progetto: 042
Nome PC in Rete: \\UTSRV
Revisione: 1.1
Nome Parte: FINALE PJ1000 6U
File/Cartella: /
Autorizzazione:
Codice: SL042RF1001

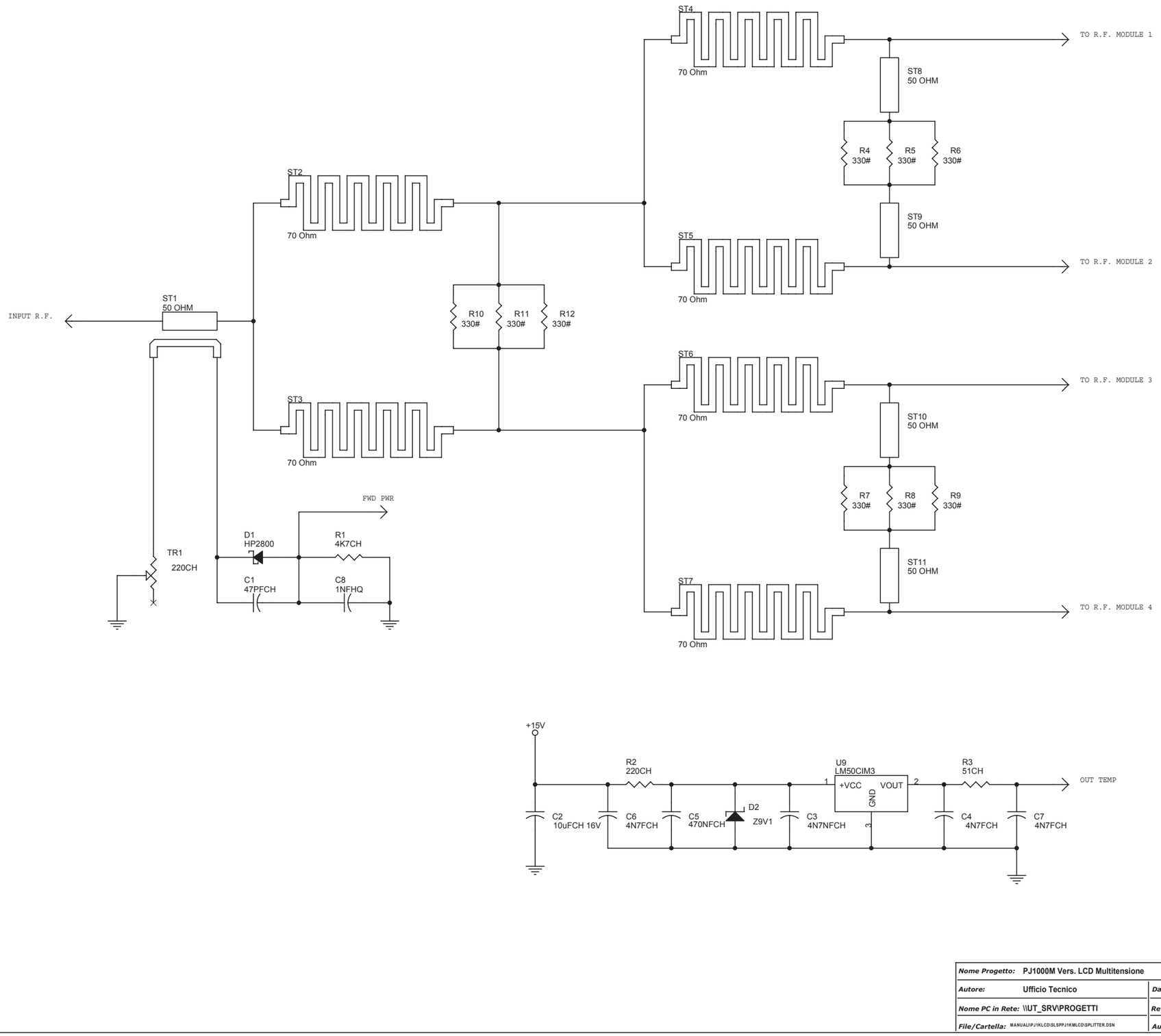


NOME PROGETTO: REVISIONE FINALE RF PJ1000M 6U	NOME PARTE: FINALE RF		
AUTORE: GASPERINI	DATA: 03/08/2005	REVISIONE: 1.0	SCALA: 1:1 | SIZE: A4 | PAGINA: 1 DI 1
ARCHIVIAZIONE ELETTRONICA: "CARTELLA PROGETTI" SU "UT_SRV"	CODICE PROGETTO: 042	CODICE DISEGNO: SL042RF1001	
MATERIALE: <>	TRATTAMENTO: <>	PROFILO: <>	STATO: PROGETTUALE

FINALE PJ1000 6U Revised: 03/10/2005
Revision: 1.1
SL042RF1001

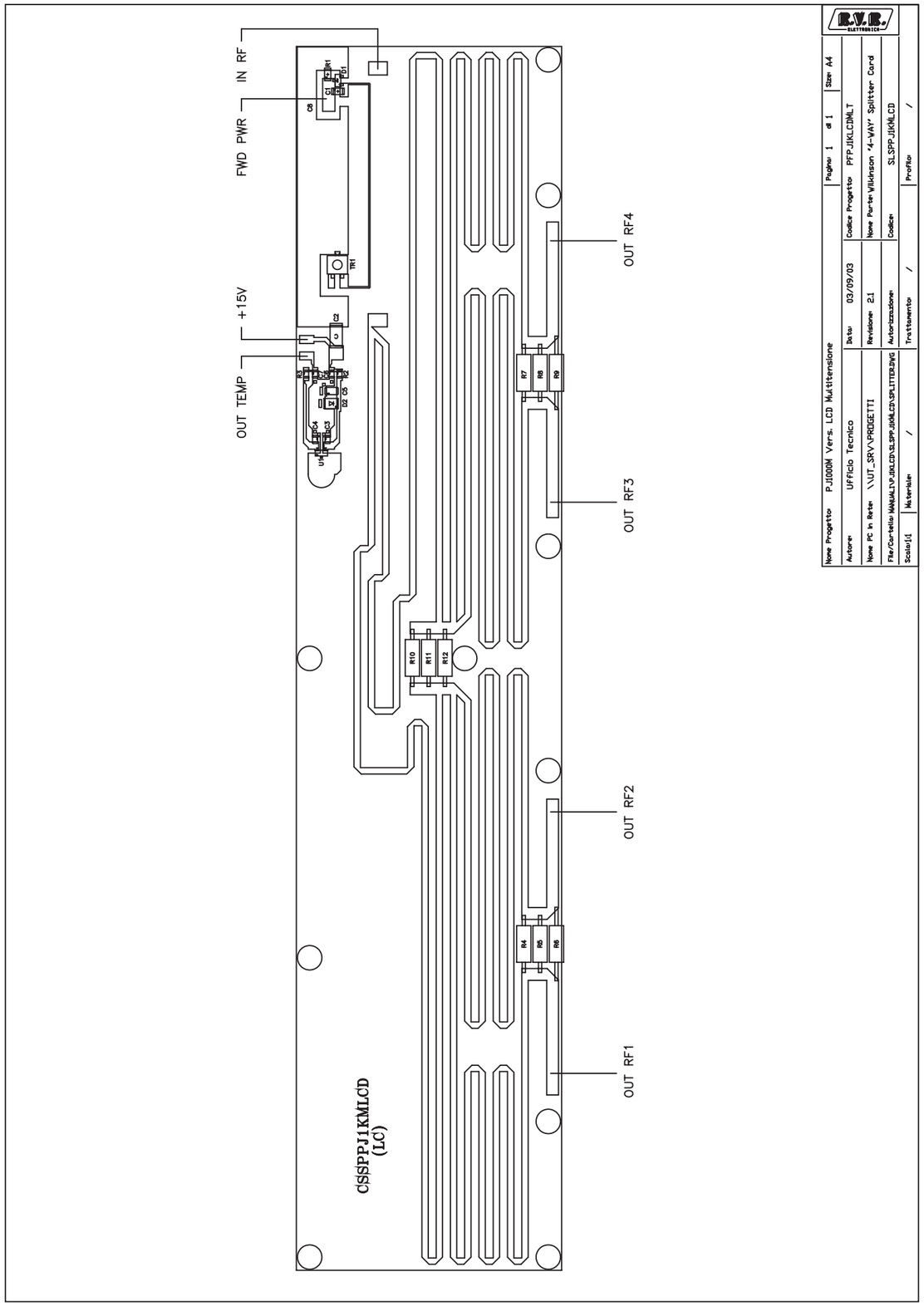
Gasperini Luca

Item	Quantity	Reference	Part	{description}	Codice AS 400
1	1	C1	150 pF	Cond. SMD 1212 HQ	CHQ151JA301A
2	1	C2	56 pF	Cond. SMD 1212 HQ	CHQ560JA501
3	10	C3, C4, C11, C12, C13, C14, C15, C16, C17, C18	470 pF	Cond. SMD 1212 HQ	CHQ471JA201
4	6	C5, C6, C7, C8, C19, C22	1 nF	Cond. SMD 0805	CCC085102JNC
5	1	C9	1 nF	Cond. SMD 1212 HQ	CHQ102JA151A
6	1	C10	100 nF 100 V	Cond. ceramico multistrato p 5mm	CMS104MC101
7	1	C20	680 nF	Cond. SMD 2824	CPE684K101O
8	1	C21	470 nF	Cond. SMD 0805	CCC085474KXB
9	1	C23	4,7 nF	Cond. SMD 0805	CCC085472KXC
10	1	D1	6V8 1 W	MINIMELF SMD Zener Diode	DIZ6V8MELF
11	3	D2, D3, D5	4004	MELF SMD Diode	DIS4007SMA
12	6	FIX1, FIX5, FIX6, FIX9, FIX10, FIX11	FIX35	Foro fissaggio 3.5mm	
13	5	FIX2, FIX3, FIX4, FIX7, FIX8	FIX60	Foro fissaggio 6mm	
14	1	FST1	FASTON VERT.		
15	1	L1	6 sp. d. 4,5	Induttanza cilindrica	
16	1	L2	filo 2 mm in ferrite		
17	1	L3	LINK a U 60 mm	Induttanza cilindrica	
18	1	L4	10 sp 2 mm d. 6 mm	Induttanza cilindrica	
19	2	L5, L6	240 mm 25 ohm		
20	3	PAD1, PAD2, PAD3	PAD		
21	1	PZ2	Piaz.		
22	2	Q2, Q1	1/2 BLF 278	Trans. FET SOT23	TRNBLF278
23	4	R1, R2, R3, R4	5H6	Res. 2W	RSM002J005H6
24	1	R5,R6	820 H	Res. 2W	RSM002J0820H
25	2	R8, R7	22 H	Res. 1W	RSM001J0022H
26	1	R9	100 H	Res. SMD 0805 1%	RCH085J0100H
27	1	R10	1K5	Res. SMD 0805 1%	RCH085F001K5
28	1	R11	1 K	Res. SMD 0805 1%	RCH085F0001K
29	1	R12	270 H	Res. SMD 2512 1%	RCH200J0270H
30	1	R13	8k2	Res. SMD 0805 1%	RCH085F08K25
31	1	R14	10 K	Res. NTC SMD 0805	RNTC085K103K
32	1	R15	1 K	Trimmer 3269	RVT3269WK001
33	1	R16	47	Res. SMD 2512 1%	RCH252J0047H
34	2	R19, R18	2H2	Res. SMD 2512 1%	RCH252J002H2
35	1	R20	NC	Res. SMD 2512 1%	
36	1	R21	NC	Trimm. multi SMD PVG5 Murata	
37	1	T1			
38	1	T3	120 mm RG 303		
39	1	CS1	CSRF0040R2		CSRF0040R2



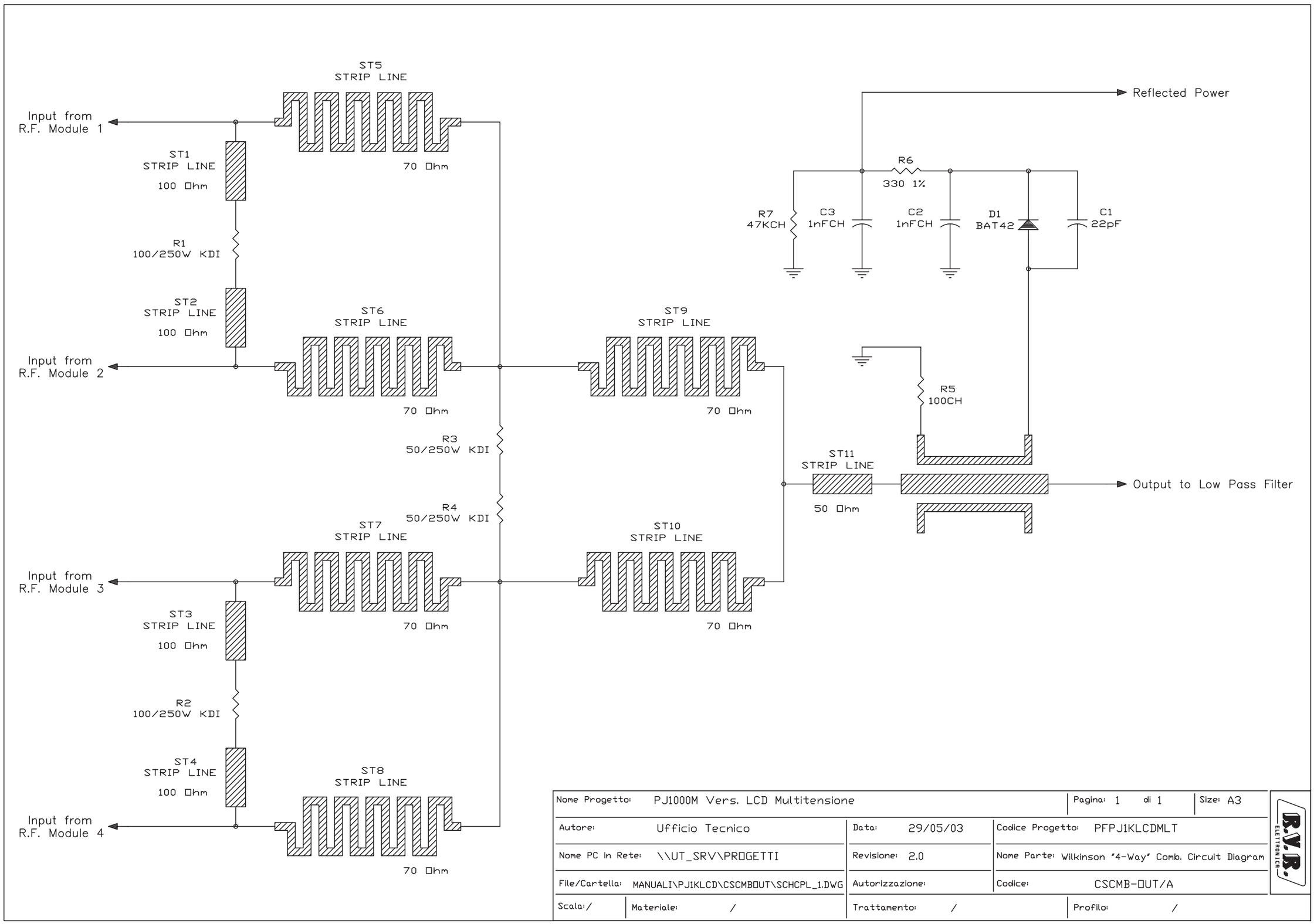
Nome Progetto:	PJ1000M Vers. LCD Multitensione			**Pagina:** 1 di 1	**Size:** A3
Autore:	Ufficio Tecnico	**Data:**	03/09/03	**Codice Progetto:**	PFPJ1KLCDMLT
Nome PC in Rete:	\\UT_SRV\PROGETTI	**Revisione:**	2.1	**Nome Parte:**	Wilkinson "4-WAY" Splitter Card
File/Cartella:	MANUALI\PJ1KLCD\SLSPPJ1KMLCD\SPLITTER.DSN	**Autorizzazione:**		**Codice:**	SLSPPJ1KMLCD

SLSPPJ1KMLCD

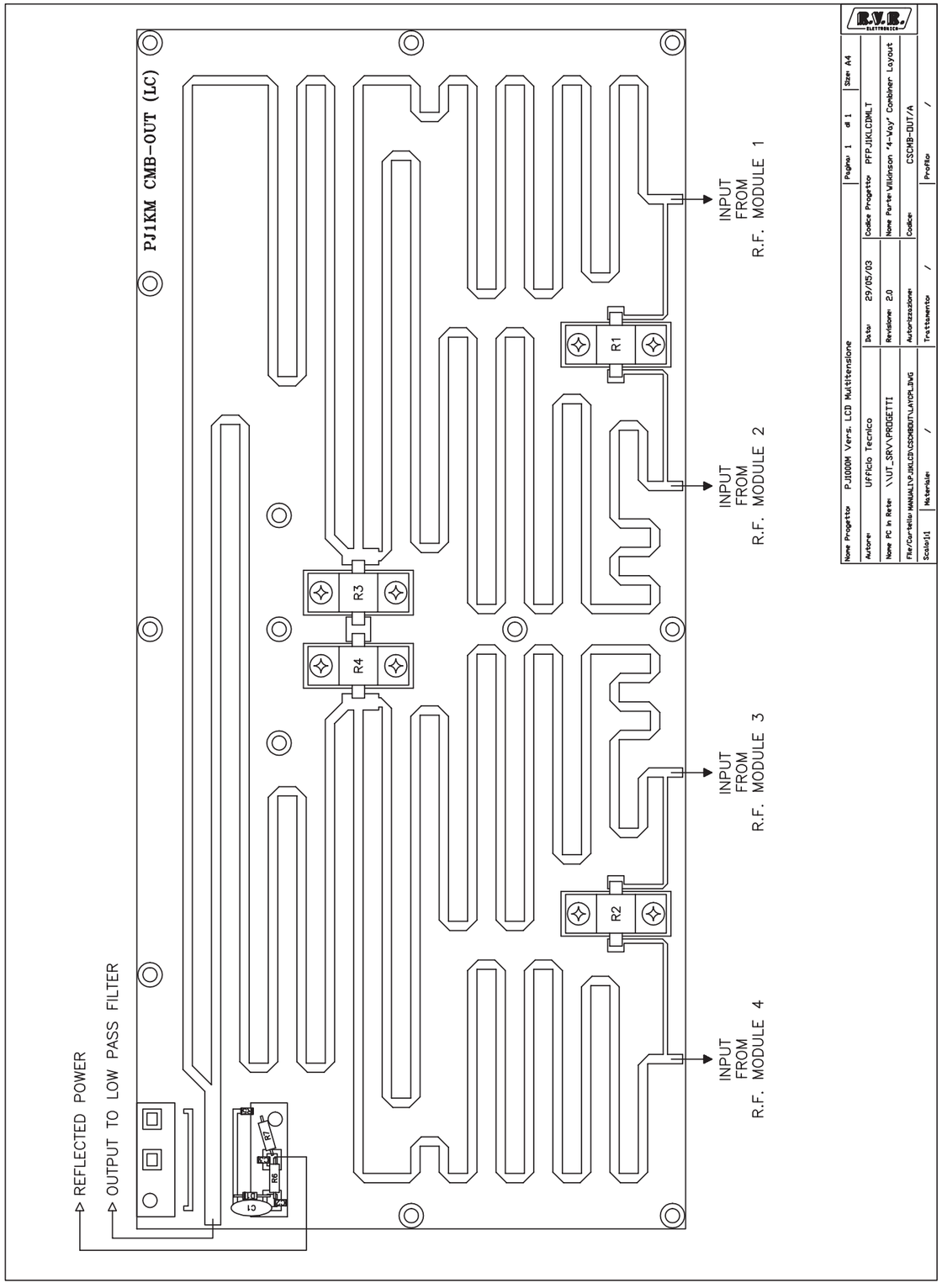


Wilkinson "4-Way" Splitter Card
SLSPPJ1KMLCD
Version: 2.1 Date: 03/09/03

Item	Q.ty	Reference	Part	DESCRIPTION
1	1	R1	4K7CH	CHIP RESISTOR 0805
2	1	R2	220CH	CHIP RESISTOR 0805
3	1	R3	51CH	CHIP RESISTOR 0805
4	9	R4,R5,R5,R7,R8, R9,R10,R11,R12	330 2W	RESISTOR 2W
5	2	TR1	220CH	TRIMMER SMD G4BT TOKO'S
6	1	C1	47PFCH	CHIP CAPACITOR 0805
7	1	C2	10uFCH 16V	TANTALIUM CHIP CAPACITOR
8	1	C5	470NFCH	CHIP CAPACITOR 1206
9	4	C3,C4,C6,C7	4N7FCH	CHIP CAPACITOR 0805
10	1	D1	HP2800	DIODE SMD SOT23
11	1	D2	Z9V1	ZENER DIODE
12	1	U1	LM50CIM3	TEMPERATURE SENSOR
13	1	C8	1NFHQ	CHIP CAPACITOR HQ

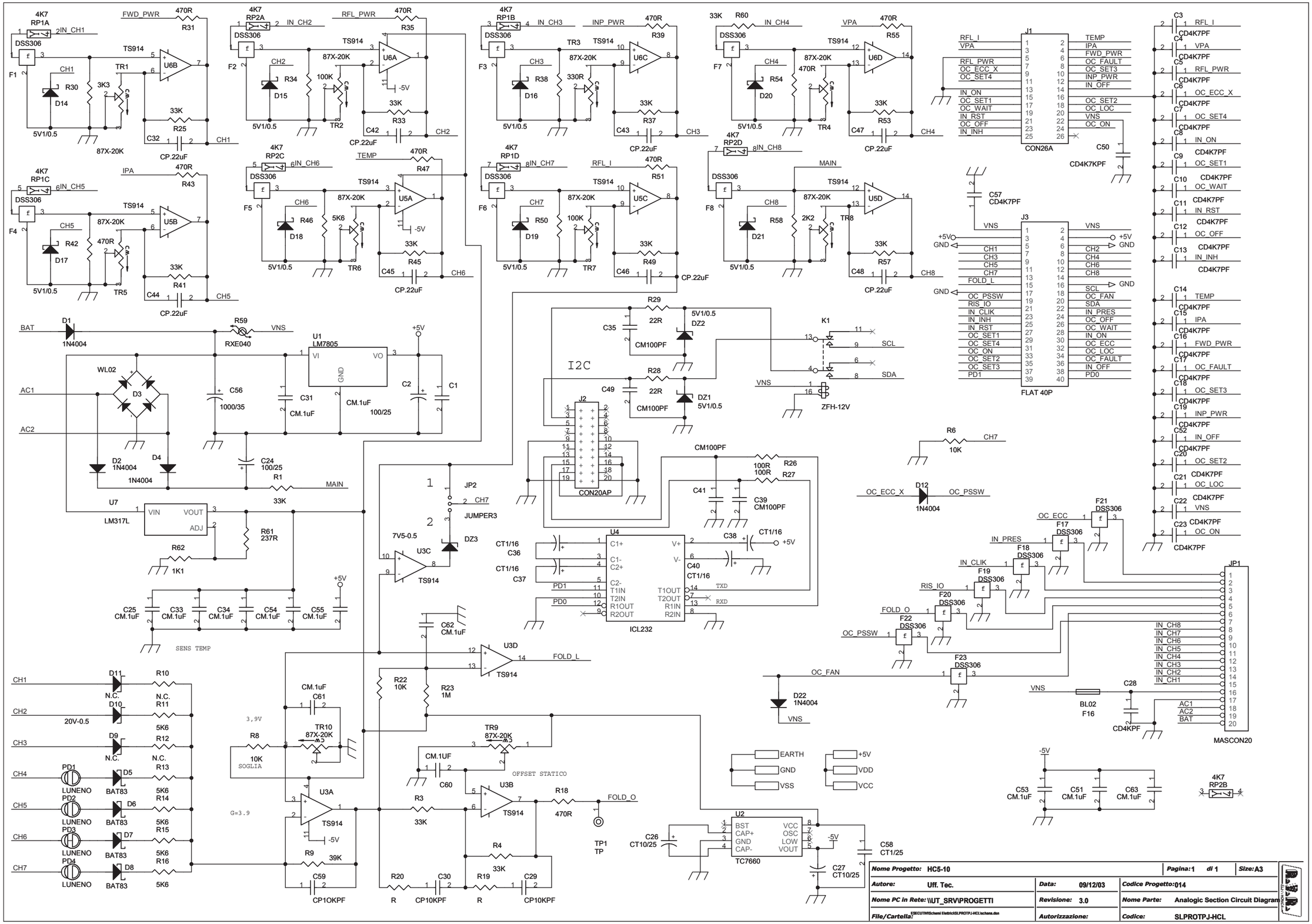


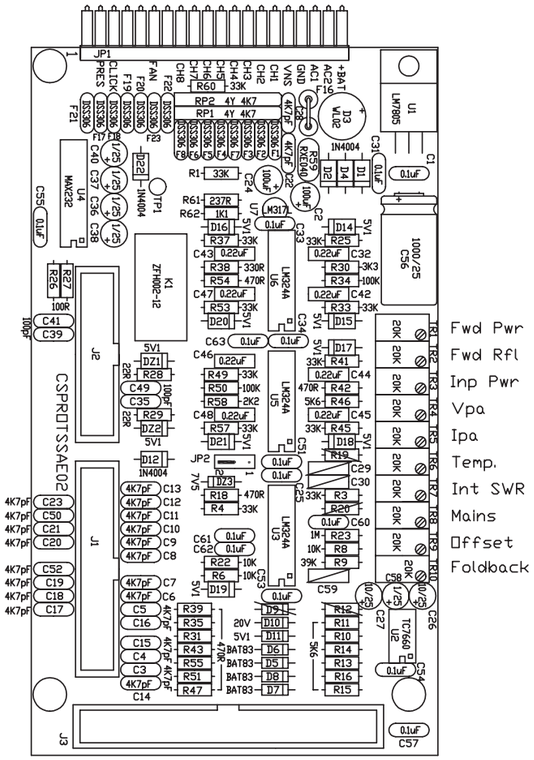
Nome Progetto:	PJ1000M Vers. LCD Multitensione			Pagina: 1 di 1	Size: A3
Autore:	Ufficio Tecnico	Data:	29/05/03	Codice Progetto:	PFPJ1KLCDMLT
Nome PC in Rete:	\\UT_SRV\PROGETTI	Revisione:	2.0	Nome Parte:	Wilkinson "4-Way" Comb. Circuit Diagram
File/Cartella:	MANUALI\PJ1KLCD\CSCMB□UT\SCHCPL_1.DWG	Autorizzazione:		Codice:	CSCMB-□UT/A
Scala: /	Materiale: /	Trattamento:	/	Profilo:	/



Combiner Card Circuit Diagram
PJ1K CMB-OUT
Versione:1,0
20/04/2001

Item	Quantity	Reference	Part	DESCRIPTION
1	2	R3,R4	50/250W KDI	RESISTENZA KDI 250W
2	1	R5	100CH	CHIP RESISTOR 1206 5%
3	2	R1,R2	100/250W KDI	RESISTENZA KDI 250W
4	1	R6	330 1%	RESISTOR 1/4W 5%
5	1	R7	47KCH	RESISTOR 1/4W 5%
6	1	C1	22PF	CERAMIC CAPACITOR NP0
7	2	C2,C3	1NFCH	CERAMIC HIGH Q
8	1	D1	BAT42	HOT CARRIER DIODE
9	12	ST1,ST2,ST3,ST4,ST5, ST6,ST7,ST8,ST9,ST10, ST11,ST12	STRIP LINE	STRIP LINE


4K7 RP1A
IN_CH1
DSS306
FWD_PWR
470R R31
TS914
U6B
F1
CH1
R30
D14
3K3
TR1
33K R25
C32
CP.22uF
CH1
87X-20K
5V1/0.5
4K7 RP2A
IN_CH2
RFL_PWR
470R R35
U6A
F2
CH2
R34
D15
100K
TR2
33K R33
C42
CH2
4K7 RP1B
IN_CH3
INP_PWR
470R R39
U6C
F3
CH3
R38
D16
330R
TR3
33K R37
C43
CH3
33K R60
IN_CH4
VPA
470R R55
U6D
F7
CH4
R54
D20
470R
TR4
33K R53
C47
CH4
4K7 RP1C
IN_CH5
IPA
470R R43
U5B
F4
CH5
R42
D17
470R
TR5
33K R41
C44
CH5
4K7 RP2C
IN_CH6
TEMP
470R R47
U5A
F5
CH6
R46
D18
5K6
TR6
33K R45
C45
CH6
4K7 RP1D
IN_CH7
RFL_I
470R R51
U5C
F6
CH7
R50
D19
100K
TR7
33K R49
C46
CP.22uF
4K7 RP2D
IN_CH8
MAIN
U5D
F8
CH8
R58
D21
2K2
TR8
33K R57
C48
CP.22uF
CH8
J1
CON26A
TEMP
IPA
FWD_PWR
OC_FAULT
OC_SET3
INP_PWR
IN_OFF
OC_SET2
OC_LOC
VNS
OC_ON
C50
CD4K7KPF
C3 RFL_I
C4 VPA
C5 RFL_PWR
C6 OC_ECC_X
C7 OC_SET4
C8 IN_ON
C9 OC_SET1
C10 OC_WAIT
C11 IN_RST
C12 OC_OFF
C13 IN_INH
CD4K7PF
C57
CD4K7PF
J3
FLAT 40P
BAT
D1
1N4004
R59
RXE040
VNS
U1
LM7805
VI
VO
GND
+5V
WL02
D3
AC1
AC2
C56
1000/35
C31
CM.1uF
C2
100/25
C1
C24
100/25
D2
1N4004
D4
1N4004
R1
33K
MAIN
U7
LM317L
VIN
VOUT
ADJ
R61
237R
R62
1K1
C25
CM.1uF
C33
CM.1uF
C34
CM.1uF
C54
CM.1uF
C55
CM.1uF
SENS TEMP
R29
22R
C35
CM100PF
DZ2
5V1/0.5
I2C
R28
22R
C49
CM100PF
DZ1
5V1/0.5
J2
CON20AP
K1
ZFH-12V
SCL
SDA
VNS
JP2
JUMPER3
CH7
DZ3
7V5-0.5
U3C
TS914
CM100PF
R26
100R
R27
100R
C41
C39
CM100PF
U4
ICL232
C1+
C1-
C2+
C2-
V+
V-
T1IN
T2IN
R1OUT
R2OUT
T1OUT
T2OUT
R1IN
R2IN
C36
C37
C38
C40
CT1/16
+5V
TXD
RXD
PD1
PD0
C62
CM.1uF
U3D
TS914
FOLD_L
R22
10K
R23
1M
R6
10K
CH7
OC_ECC_X
D12
1N4004
OC_PSSW
F21
DSS306
OC_ECC
F17
DSS306
IN_PRES
F18
DSS306
IN_CLIK
F19
DSS306
RIS_IO
F20
DSS306
FOLD_O
F22
DSS306
OC_PSSW
F23
DSS306
OC_FAN
D22
1N4004
VNS
JP1
MASCON20
IN_CH8
IN_CH7
IN_CH6
IN_CH5
IN_CH4
IN_CH3
IN_CH2
IN_CH1
AC1
AC2
BAT
C28
BL02
F16
CD4KPF
CH1
CH2
CH3
CH4
CH5
CH6
CH7
D11
N.C.
D10
20V-0.5
D9
N.C.
PD1
LUNENO
D5
BAT83
PD2
LUNENO
D6
BAT83
PD3
LUNENO
D7
BAT83
PD4
LUNENO
D8
BAT83
R10
N.C.
R11
5K6
R12
N.C.
R13
5K6
R14
5K6
R15
5K6
R16
5K6
3,9V
R8
10K
SOGLIA
CM.1uF
C61
TR10
87X-20K
G=3.9
U3A
TS914
R9
39K
C59
CP10KPF
CM.1UF
C60
TR9
87X-20K
OFFSET STATICO
U3B
TS914
R3
33K
R18
470R
FOLD_O
TP1
TP
R4
33K
R20
R
C30
CP10KPF
R19
R
C29
CP10KPF
U2
TC7660
BST
CAP+
GND
CAP-
VCC
OSC
LOW
VOUT
C26
CT10/25
C27
CT10/25
C58
CT1/25
EARTH
GND
VSS
+5V
VDD
VCC
-5V
C53
CM.1uF
C51
CM.1uF
C63
CM.1uF
4K7
RP2B
Nome Progetto: HC5-10
Pagina: 1 di 1
Size: A3
Autore: Uff. Tec.
Data: 09/12/03
Codice Progetto: 014
Nome PC in Rete: \\UT_SRV\PROGETTI
Revisione: 3.0
Nome Parte: Analogic Section Circuit Diagram
File/Cartella: ESECUTIVI\Schemi Elettrici\SLPROTPJ-HCL\schema.dsn
Autorizzazione:
Codice: SLPROTPJ-HCL

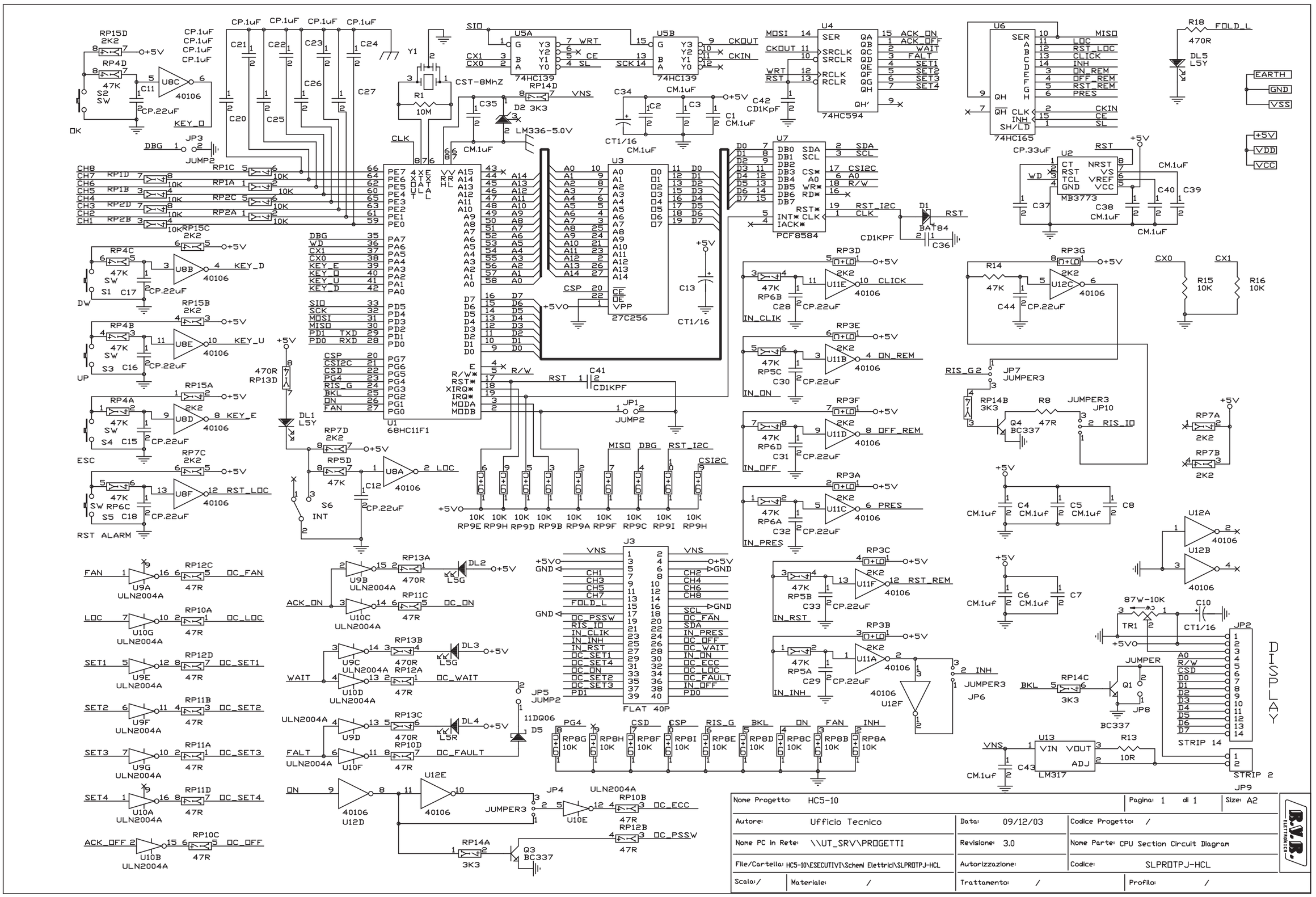


NOME PROGETTO:	HC5-10
NOME PARTE:	Analogic Section Component Layout
AUTORE:	GP - Rev.: J. Berti
DATA:	11/02/2004
REVISIONE:	2.0
SCALA:	1:1
SIZE:	A4
PAGINA:	1 DI 1
ARCHIVIAZIONE ELETTRONICA:	"CARTELLA PROGETTI" SU "UT_SRV"
CODICE PROGETTO:	014
CODICE DISEGNO:	PROTPJ-HCLCD
MATERIALE:	FR4-74 1.6mm Cu 35um
TRATTAMENTO:	STANDARD COSTRUTTORE
PROFILO:	Positivo
STATO:	ESECUTIVO

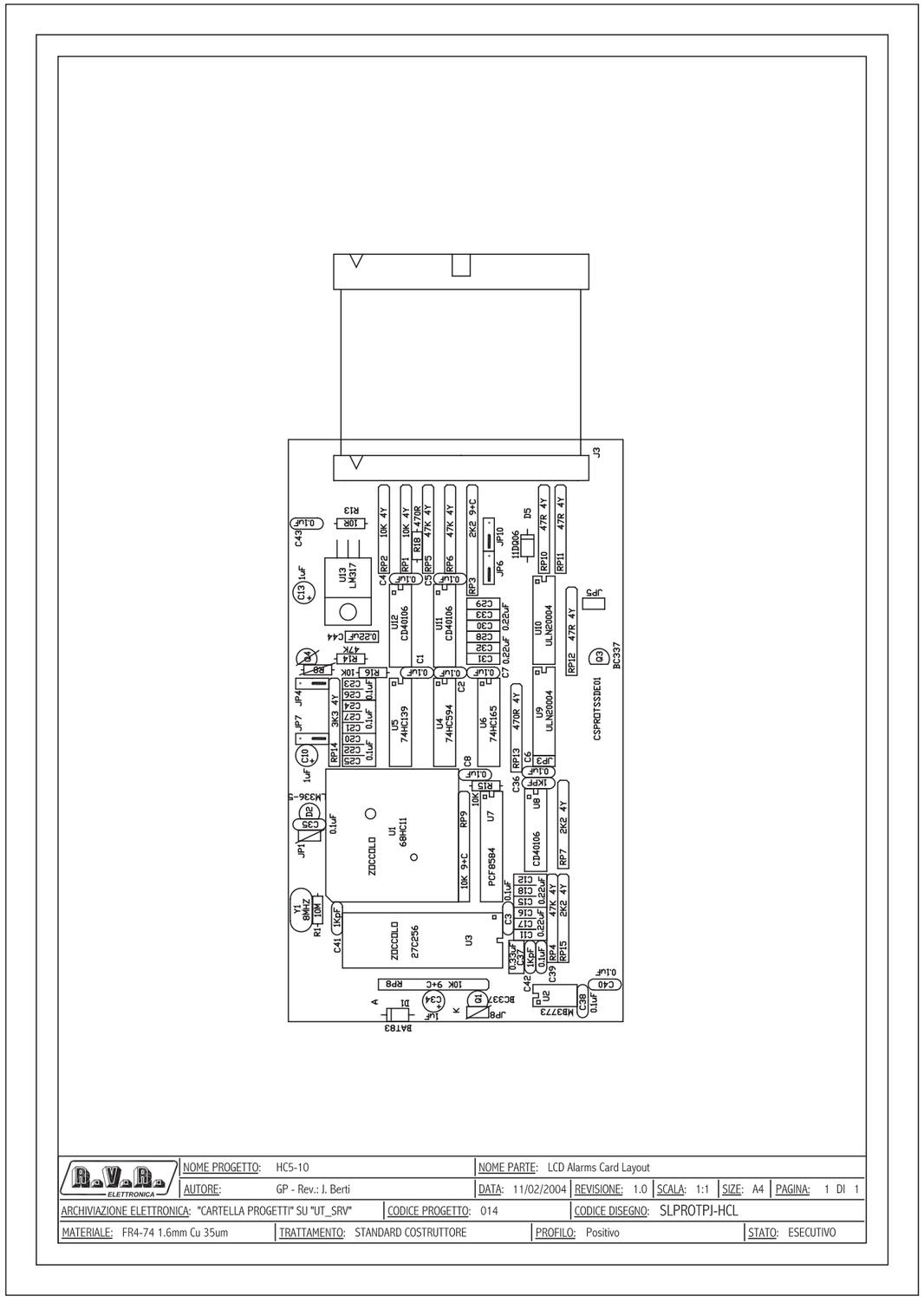
CPU Analog Section
SLPROTPJ-HCL
Version: 2.2 Date: 04/09/03

Item	Q.ty	Reference	Part
1	13	C1,C25,C31,C33,C34,C51,C53,C54,C55,C60,C61,C62,C63	CM.1uF
2	2	C24,C2	100/25
3	23	C3,C4,C5,C6,C7,C8,C9,C10,C11,C12,C13,C14,C15,C16,C17, C18,C19,C20,C21,C22,C23,C52,C57	CD4K7PF
4	2	C26,C27	CT10/25
5	1	C28	CD4KPF
7	8	C32, C42, C43, C44, C45, C46, C47, C48	CP.22uF
8	4	C35, C39, C41, C49	CM100PF
9	4	C36, C37, C38, C40	CT1/16
10	1	C50	CD4K7KPF
11	1	C56	1000/35
12	1	C58	CT1/25
13	1	C59	CP1OKPF
14	10	DZ1, DZ2, D14, D15, D16, D17, D18, D19, D20, D21	5V1/0.5
15	1	DZ3	7V5-0.5
16	5	D1, D2, D4, D12, D22	1N4004
17	1	D3	WL02
18	4	D5, D6, D7, D8	BAT83
19	4	R10, R12, D9, D11	N.C.
20	1	D10	20V-0.5
21	15	F1, F2, F3, F4, F5, F6, F7, F8, F17, F18, F19, F20, F21, F22, F23	DSS306
22	1	F16	BL02
23	1	JP1	MASCON20
24	1	JP2	JUMPER3
25	1	J1	CON26A
26	1	J2	CON20AP
27	1	J3	FLAT 40P
28	1	K1	ZFH-12V
29	4	PD1, PD2, PD3, PD4	LUNENO
30	2	RP1, RP2	4K7
31	12	R1, R3, R4, R25, R33, R37, R41, R45, R49, R53, R57, R60	33K
32	3	R6, R8, R22	10K
33	1	R9	39K
34	6	R11, R13, R14, R15, R16, R46	5K6
35	10	R18, R31, R35, R39, R42, R43, R47, R51, R54, R55	470R
36	2	R19, R20	R
37	1	R23	1M
38	2	R26, R27	100R
39	2	R28, R29	22R
40	1	R30	3K3
41	2	R50, R34	100K
42	1	R38	330R
43	1	R58	2K2
44	1	R59	RXE040
45	1	R61	237R
46	1	R62	1K1
47	1	TP1	TP

5	1	C28	CD4KPF
7	8	C32, C42, C43, C44, C45, C46, C47, C48	CP.22uF
48	10	TR1, TR2, TR3, TR4, TR5, TR6, TR7, TR8, TR9, TR10	87X-20K
49	1	U1	LM7805
50	1	U2	TC7660
51	3	U3, U5, U6	TS914
52	1	U4	ICL232
53	1	U7	LM317L



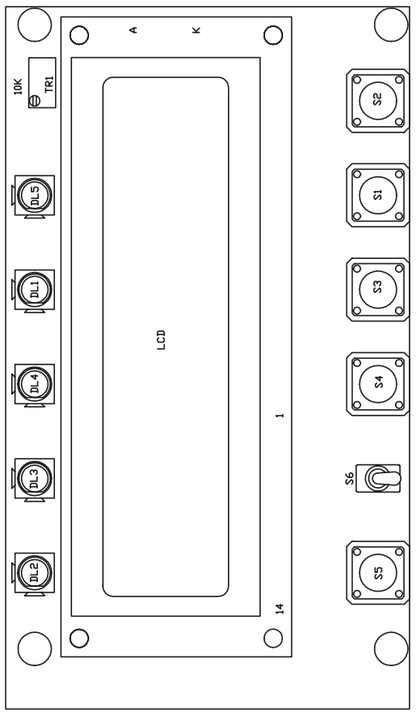
Nome Progetto: HC5-10		Pagina: 1 di 1	Size: A2
Autore: Ufficio Tecnico	Data: 09/12/03	Codice Progetto: /	
Nome PC in Rete: \\UT_SRV\PROGETTI	Revisione: 3.0	Nome Parte: CPU Section Circuit Diagram	
File/Cartella: HC5-10\ESECUTIVI\Schemi Elettrici\SLPROTPJ-HCL	Autorizzazione:	Codice: SLPROTPJ-HCL	
Scala: / Materiale: /	Trattamento: /	Profilo: /	



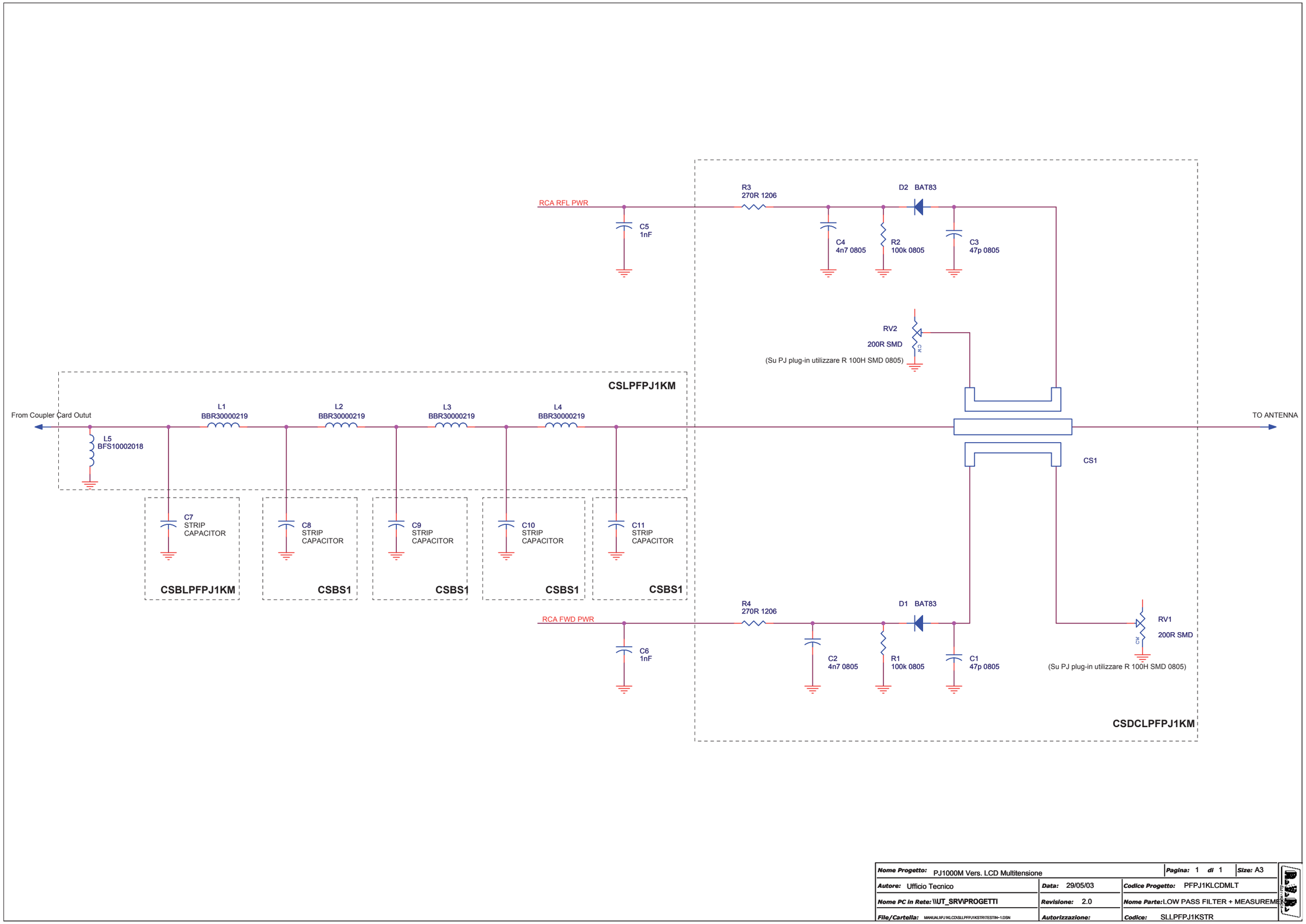
R.V.R. ELETTRONICA	NOME PROGETTO: HC5-10	NOME PARTE: LCD Alarms Card Layout	
	AUTORE: GP - Rev.: J. Berti	DATA: 11/02/2004	REVISIONE: 1.0 | SCALA: 1:1 | SIZE: A4 | PAGINA: 1 DI 1
ARCHIVIAZIONE ELETTRONICA: "CARTELLA PROGETTI" SU "UT_SRV"	CODICE PROGETTO: 014	CODICE DISEGNO: SLPROTPJ-HCL	
MATERIALE: FR4-74 1.6mm Cu 35um	TRATTAMENTO: STANDARD COSTRUTTORE	PROFILO: Positivo	STATO: ESECUTIVO

Scheda CPU
SLPROTPJ-HCL
Versione: 2.2

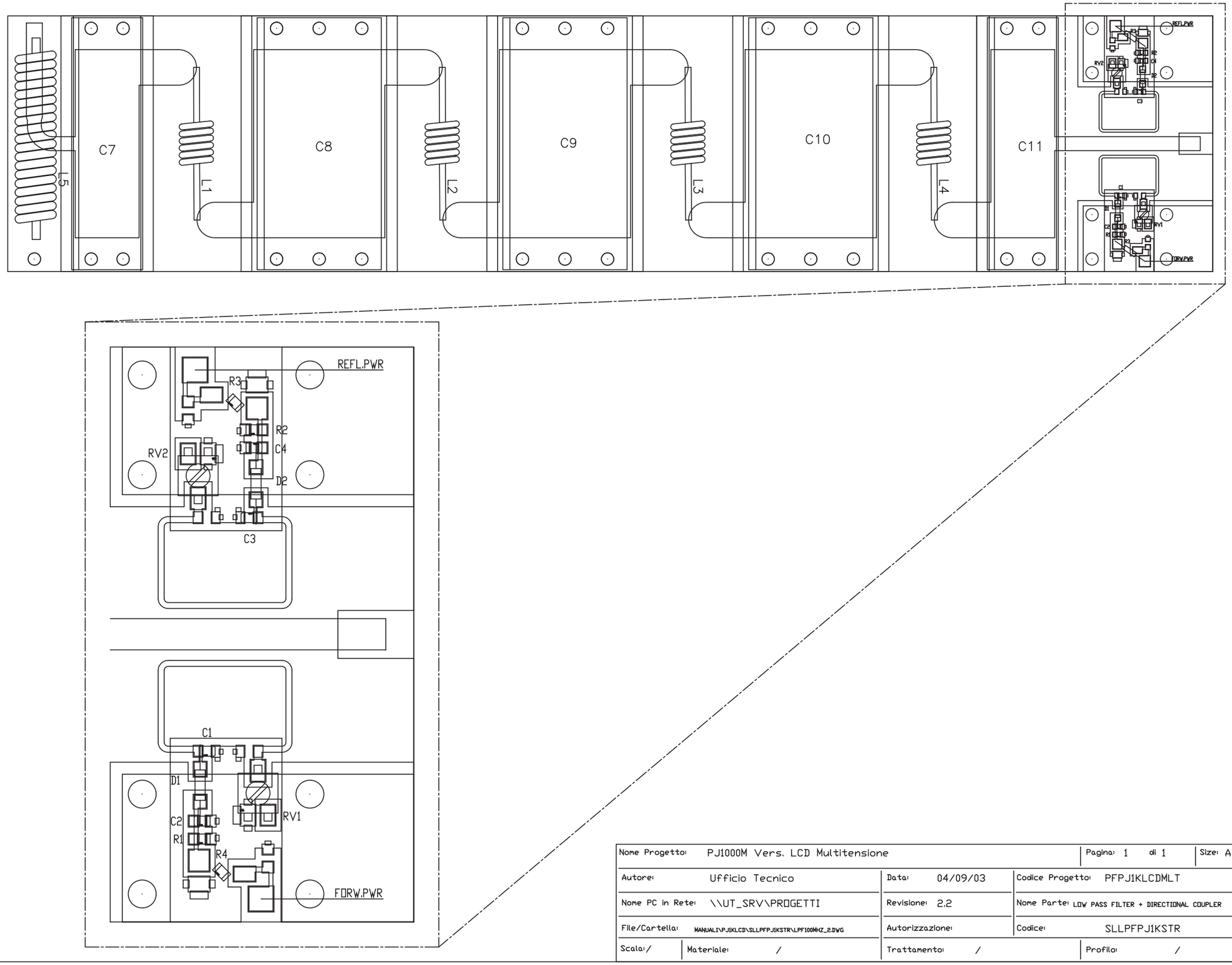
Item	Q.ty	Reference	Description
1	13	C1,C2,C3,C4,C5,C6,C7,C8,C35,C38,C39,C40,C43	CM.1UF
2	3	C10,C13,C34	CT1/16
3	13	C11,C12,C15,C16,C17,C18,C28,C29,C30,C31,C32,C33,C44	CP.22UF
4	8	C20,C21,C22,C23,C24,C25,C26,C27	CP.1UF
5	3	C36, C41, C42	CD1KPF
7	2	DL1, DL5	L5Y
8	2	DL2, DL3	L5G
9	1	DL4	L5R
10	1	D1	BAT84
11	1	D2	LM336-5.0V
12	1	D5	11DQ06
13	3	JP1, JP3, JP5	JUMP2
14	1	JP2	STRIP 14
15	4	JP4, JP6, JP7, JP10	JUMPER3
16	1	JP8	JUMPER
17	1	JP9	STRIP 2
18	1	J3	FLAT 40P
19	3	Q1, Q3, Q4	BC337
20	6	RP1, RP2, RP8, RP9, R15, R16	10K
21	3	RP3, RP7, RP15	2K2
22	4	RP4, RP5, RP6, R14	47K
23	4	R8, RP10, RP11, RP12	47R
24	2	RP13, R18	470R
25	1	RP14	3K3
26	1	R1	10M
27	1	R13	10R
28	5	S1, S2, S3, S4, S5	SW
29	1	S6	INT
30	1	TR1	87W-10K
31	1	U1	68HC11F1
32	1	U2	MB3773
33	1	U3	27C256
34	1	U4	74HC594
35	1	U5	74HC139
36	1	U6	74HC165
37	1	U7	PCF8584
38	3	U8, U11, U12	40106
39	2	U9, U10	ULN2004A
40	1	U13	LM317
41	1	Y1	CST-8MHZ



R.V.R. ELETTRONICA	NOME PROGETTO: HC5-10			NOME PARTE: CPU Display Section Component Layout			
	AUTORE: GP - Rev.: J. Berti		DATA: 11/02/2004	REVISIONE: 2.0	SCALA: 1:1	SIZE: A4	PAGINA: 1 DI 1
ARCHIVIAZIONE ELETTRONICA: "CARTELLA PROGETTI" SU "UT_SRV"		CODICE PROGETTO: 014		CODICE DISEGNO: PROTPJ-HCLCD			
MATERIALE: FR4-74 1.6mm Cu 35um		TRATTAMENTO: STANDARD COSTRUTTORE		PROFILO: Positivo		STATO: ESECUTIVO	



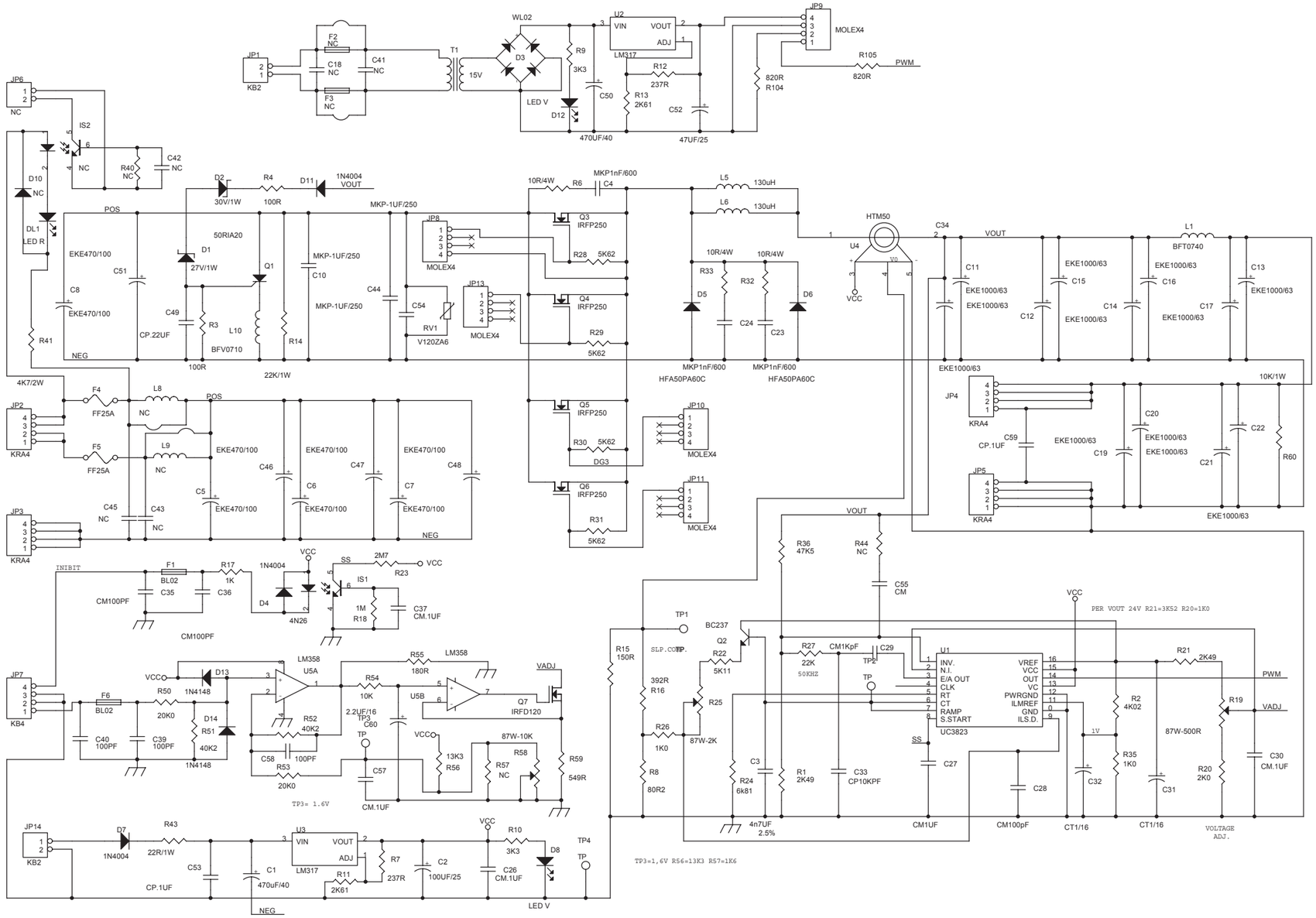
Nome Progetto: PJ1000M Vers. LCD Multitensione		**Pagina:** 1 di 1	**Size:** A3
Autore: Ufficio Tecnico	**Data:** 29/05/03	**Codice Progetto:** PFPJ1KLCDMLT	
Nome PC in Rete: \\UT_SRV\PROGETTI	**Revisione:** 2.0	**Nome Parte:** LOW PASS FILTER + MEASUREME	
File/Cartella: MANUALI\PJ1KLCD\SLLPFPJ1KSTR\TESTINI~1.DSN	**Autorizzazione:**	**Codice:** SLLPFPJ1KSTR	


C7
C8
C9
C10
C11
L1
L2
L3
L4
L5
REFL.PWR
R3
R2
C4
RV2
D2
C3
C1
D1
C2
R1
R4
RV1
FORW.PWR
Nome Progetto: PJ1000M Vers. LCD Multitensione
Pagina: 1 di 1
Size: A3
Autore: Ufficio Tecnico
Data: 04/09/03
Codice Progetto: PFPJ1KLCDMLT
Nome PC in Rete: \\UT_SRV\PROGETTI
Revisione: 2.2
Nome Parte: LOW PASS FILTER + DIRECTIONAL COUPLER
File/Cartella: MANUALI\PJ1KLCD\SLLPFPJ1KSTR\LPF100MHZ_2.DWG
Autorizzazione:
Codice: SLLPFPJ1KSTR
Scala: /
Materiale: /
Trattamento: /
Profilo: /

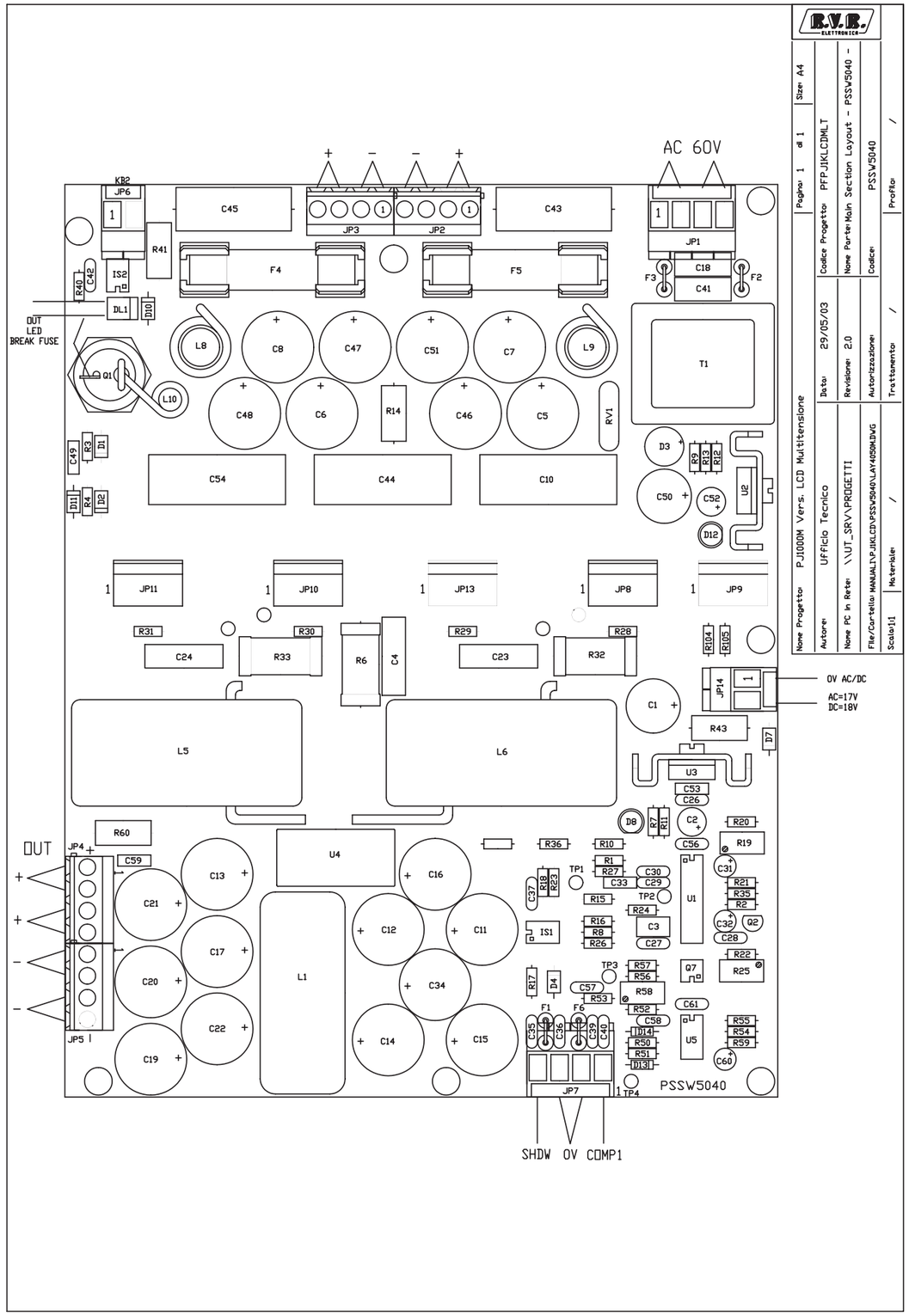
LOW PASS FILTER
SLLPFPJ1KSTR
Revision: 2.0

Item	Q.ty	Reference	Part	Note
1	1	L5	BFS10002018	
2	1	CS1	CSDRCPPJ1KM	
3	2	C3,C1	47p 0805	
4	2	C4,C2	4n7 0805	
5	2	C5,C6	1nF	
6	2	C7,C11	27pFTFL	
7	3	C8,C9,C10	54pFTFL	
8	2	D2,D1	BAT83	
9	4	L1,L2,L3,L4	BBR30000219	
10	2	RV2,RV1	200R SMD	NOTA_1
11	2	R2,R1	100k 0805	
12	2	R3,R4	270R 1206	

NOTA_1 (Su PJ plug-in utilizzare R 100H SMD 0805)



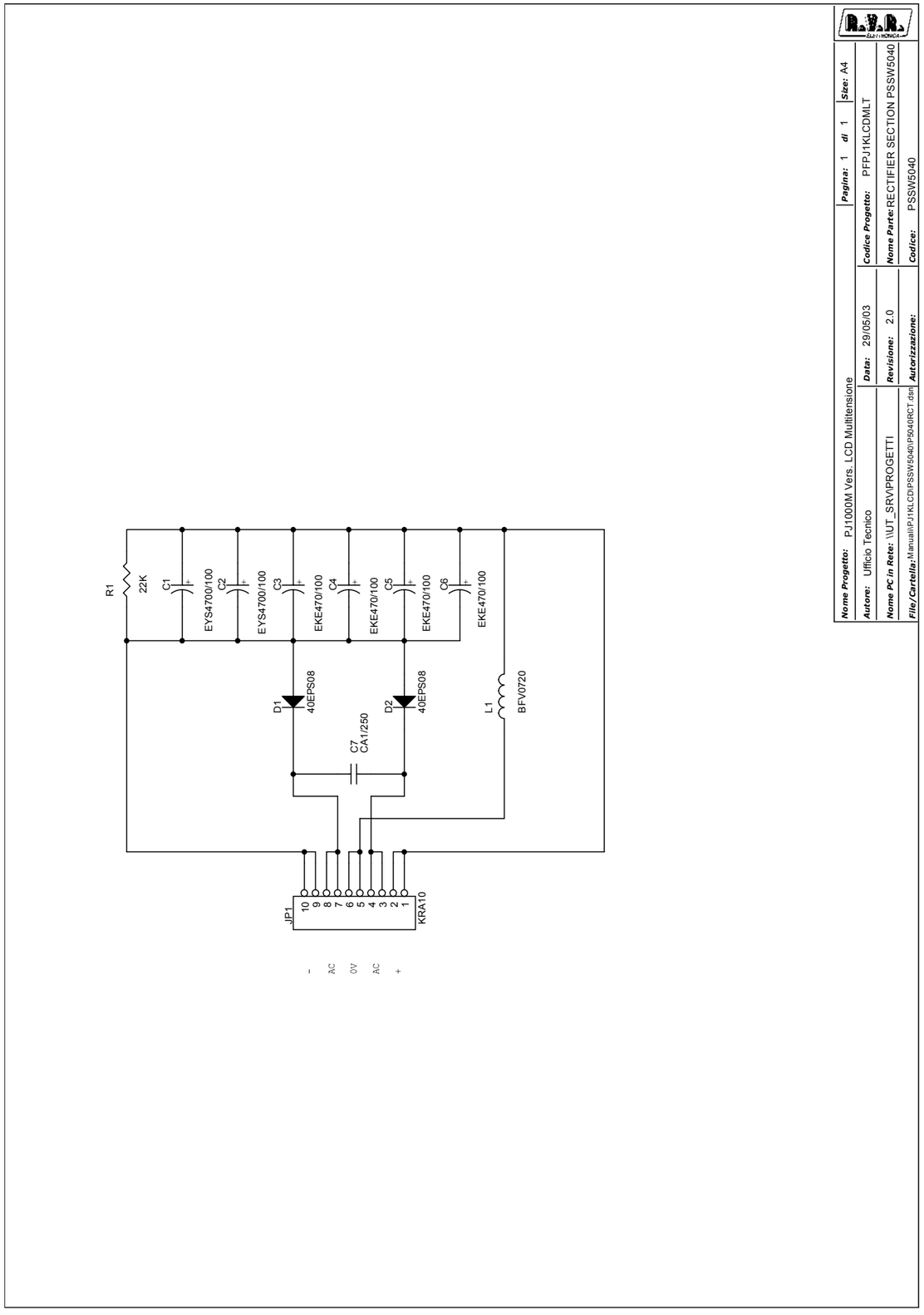
Nome Progetto: PJ1000M Vers. LCD Multitensione		**Pagina:** 1 di 1	**Size:** Custom
Autore: Ufficio Tecnico	**Data:** 29/05/03	**Codice Progetto:** PFPJ1KLCDMLT	
Nome PC in Rete: \\UT_SRV\PROGETTI	**Revision e:** 2.0	**Nome Parte:** Main Section PSS5040	
File/Cartella: MANUALI\PJ1KLCD\PSSW5040\P5040.DSN	**Autorizzazione:**	**Codice:** PSSW5040	



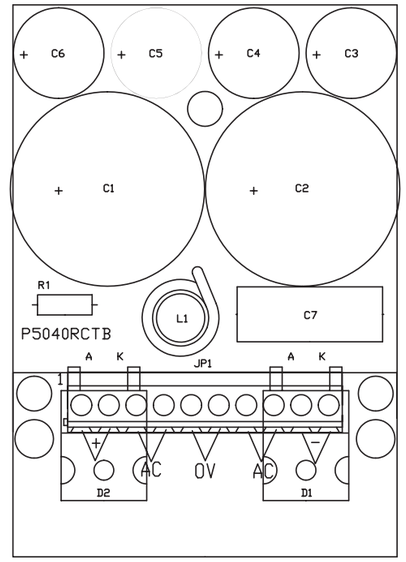
POWER SUPPLY main card
PSSW5040
Versione: 2.0

Item	Quantity	Reference	Part
1	4	Q3, Q4, Q5, Q6	IRFP250
2	2	C1,C50	470UF/40
3	1	C2	100UF/25
4	1	C3	4n7UF
5	3	C4,C23,C24	MKP1nF/600
6	8	C5,C6,C7,C8,C46,C47,C48,C51	EKE470/100
7	3	C10,C44,C54	MKP-1UF/250
8	12	C11,C12,C13,C14,C15,C16,C17,C19,C20,C21,C22,C34	EKE1000/63
9	12	IS2,F2,F3,L8,L9,D10,C18,R40,C42,R44,C45,R57	NC
10	4	C26,C30,C37,C57	CM.1UF
11	1	C27	CM1UF
12	3	C28,C35,C36	CM100PF
13	1	C29	CM1KpF
14	2	C31,C32	CT1/16
15	1	C33	CP10KPF
16	3	C39,C40,C58	100PF
17	3	JP6,C41,C43	NC
18	1	C49	CP.22UF
19	1	C52	47UF/25
20	2	C53,C59	CP.1UF
21	1	C55	CM
22	1	C60	2.2UF/16
23	1	DL1	LED R
24	1	D1	27V/1W
25	1	D2	30V/1W
26	1	D3	WL02
27	3	D4,D7,D11	1N4004
28	2	D6,D5	HFA50PA60C
29	2	D12,D8	LED V
30	2	D13,D14	1N4148
31	2	F6,F1	BL02
32	2	F4,F5	FF25A
33	1	IS1	4N26
34	2	JP1,JP14	KB2
35	4	JP2,JP3,JP4,JP5	KRA4
36	1	JP7	KB4
37	5	JP8,JP9,JP10,JP11,JP13	MOLEX4
38	1	JP12	JUMPER2
39	1	L1	BFT0740
40	2	L5,L6	130uH
41	1	L10	BFV0710
42	1	Q1	50RIA20
43	1	Q2	BC237
44	1	Q7	IRFD120
45	1	RV1	V120ZA6
46	2	R21,R1	2K49
47	1	R2	4K02
48	2	R3,R4	100R

49	3	R6,R32,R33	10R/4W
50	2	R7,R12	237R
51	1	R8	80R2
52	2	R9,R10	3K3
53	2	R11,R13	2K61
54	1	R14	22K/1W
55	1	R15	150R
56	1	R16	392R
57	1	R17	1K
58	1	R18	1M
59	1	R19	87W-500R
60	1	R20	2K0
61	1	R22	5K11
62	1	R23	2M7
63	1	R24	6k81
64	1	R25	87W-2K
65	2	R35,R26	1K0
66	1	R27	22K
67	4	R28,R29,R30,R31	5K62
68	1	R36	47K5
69	1	R41	4K7/2W
70	1	R43	22R/1W
71	2	R50,R53	20K0
72	2	R51,R52	40K2
73	1	R54	10K
74	1	R55	180R
75	1	R56	13K3
76	1	R58	87W-10K
77	1	R59	549R
78	1	R60	10K/1W
79	2	R105,R104	820R
80	4	TP1,TP2,TP3,TP4	TP
81	1	T1	15V
82	1	U1	UC3823
83	2	U3,U2	LM317
84	1	U4	HTM50
85	1	U5	LM358



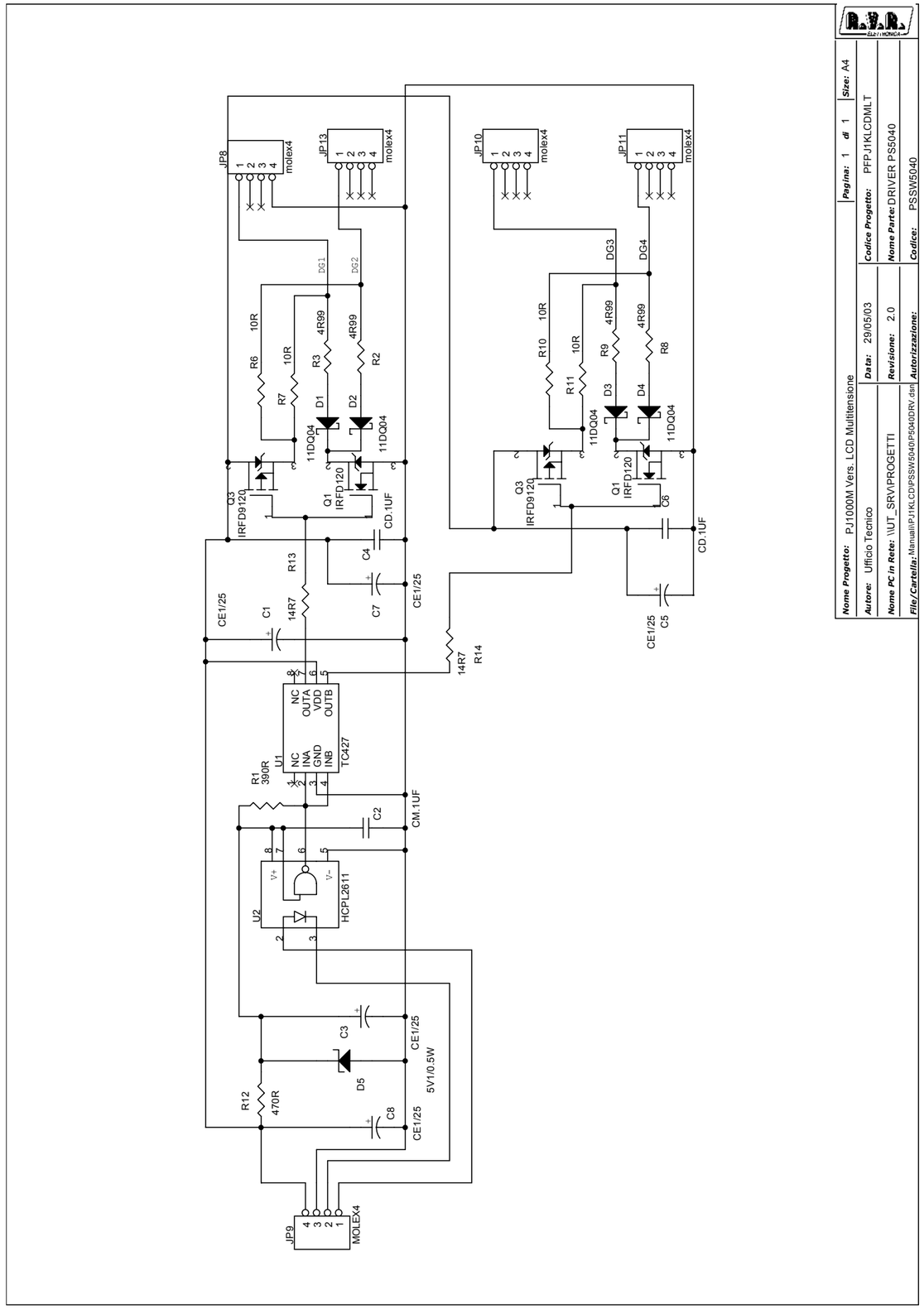
Nome Progetto: PJ1000M Vers. LCD Multitensione		**Pagina:** 1 di 1	**Size:** A4
Autore: Ufficio Tecnico	**Data:** 29/05/03	**Codice Progetto:** PFPJ1KLCDMLT	
Nome PC in Rete: \\UT_SRV\PROGETTI	**Revisione:** 2.0	**Nome Parte:** RECTIFIER SECTION PSSW5040	
File/Cartella: Manuali\PJ1KLCD\PSSW5040\P5040RCT.dsn	**Autorizzazione:**	**Codice:** PSSW5040	



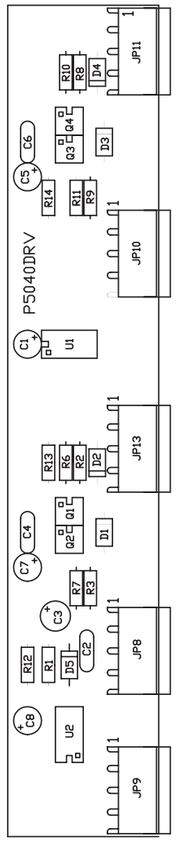
Nome Progetto: PJ1000M Vers. LCD Multitensione		**Pagina:** 1 di 1	**Size:** A4
Autore: Ufficio Tecnico	**Data:** 29/05/03	**Codice Progetto:** PFPJ1KLCDMLT	
Nome PC in Rete: \\UT_SRV\PROGETTI	**Revisione:** 2.0	**Nome Parte:** Rectifier Section Layout - PSSW5040	
File/Cartella: MANUALI\PJ1KLCD\PSSW5040\LAY40DB_NEW.DWG	**Autorizzazione:**	**Codice:** PSSW5040	
Scala: 1:1 **Materiale:** /	**Trattamento:** /	**Profilo** /	

RECTIFIER SECTION PSSW5040
PSSW5040
Versione: 2.0

Item	Quantity	Reference	Part
1	2	C1,C2	EYS4700/100
2	4	C3,C4,C5,C6	EKE470/100
3	1	C7	CA1/250
4	2	D1,D2	40EPS08
5	1	JP1	KRA10
6	1	L1	BFV0720
7	1	R1	22K



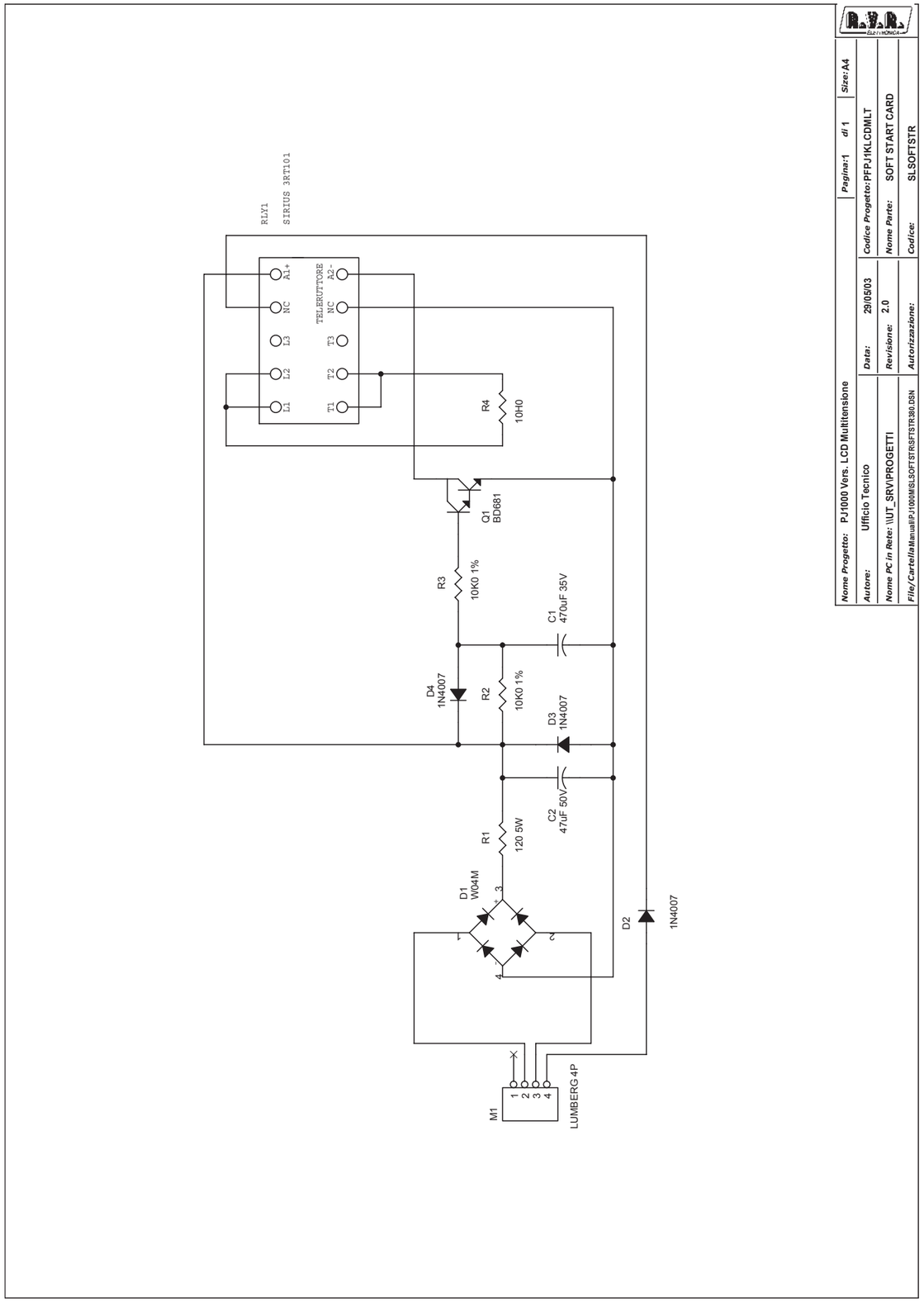
Nome Progetto: PJ1000M Vers. LCD Multitensione		**Pagina:** 1 di 1	**Size:** A4
Autore: Ufficio Tecnico	**Data:** 29/05/03	**Codice Progetto:** PFPJ1KLCDMLT	
Nome PC in Rete: \\UT_SRV\PROGETTI	**Revisione:** 2.0	**Nome Parte:** DRIVER PS5040	
File/Cartella: Manuali\PJ1KLCD\PSSW5040\P5040DRV.dsn	**Autorizzazione:**	**Codice:** PSSW5040	



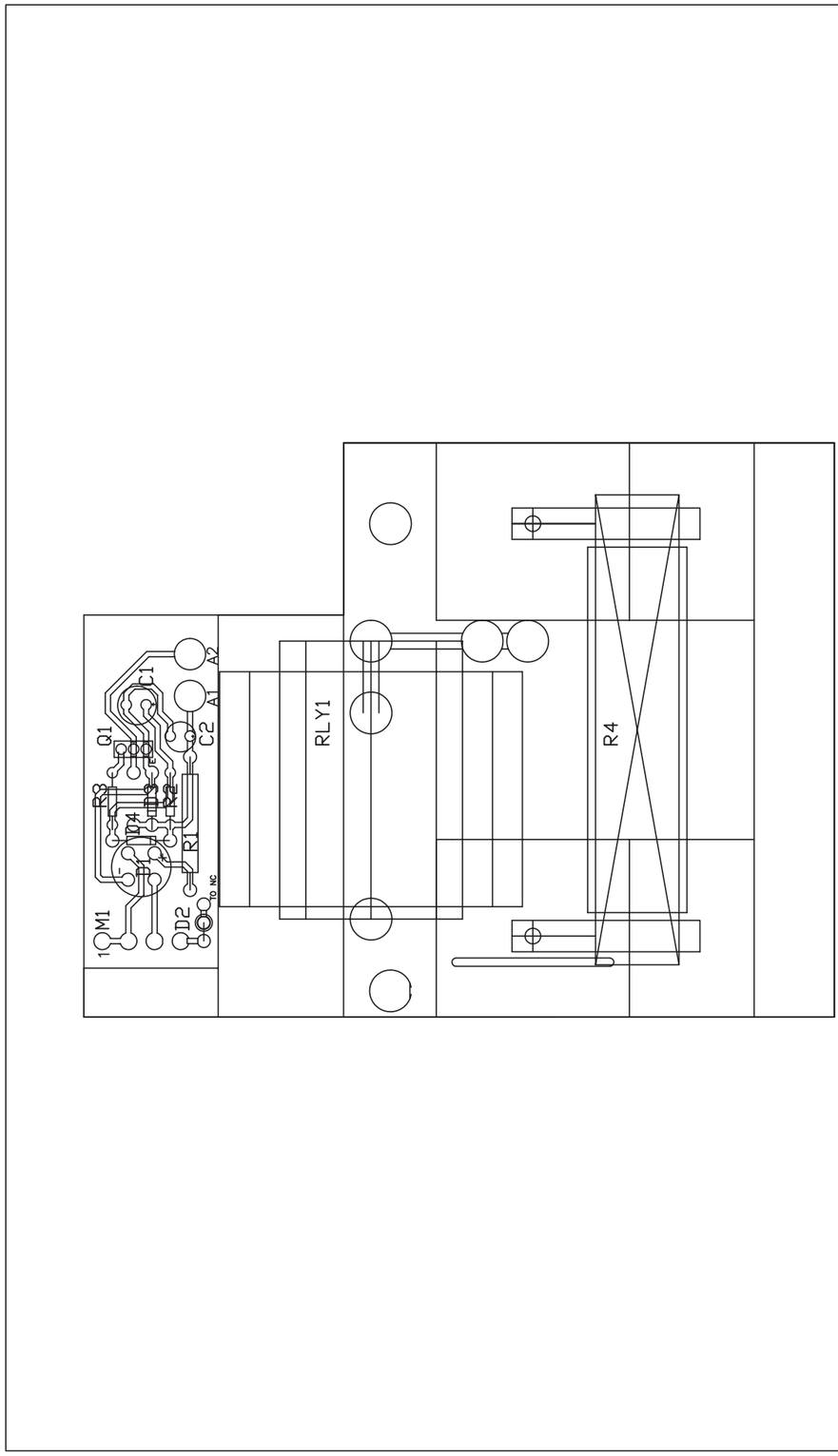
Nome Progetto: PJ1000M Vers. LCD Multitensione		**Pagina:** 1 di 1	**Size:** A4
Autore: Ufficio Tecnico	**Data:** 29/05/03	**Codice Progetto:** PFPJ1KLCDMLT	
Nome PC in Rete: \\UT_SRV\PROGETTI	**Revisione:** 2.0	**Nome Parte:** Driver Section Layout - PSSW5040	
File/Cartella: MANUALI\PJ1KLCD\PSSW5040\LAY405BD.DWG	**Autorizzazione:**	**Codice:** PSSW5040	
Scala: 1:1 **Materiale:** /	**Trattamento:** /	**Profilo** /	

DRIVER PSSW5040
PSSW5040
Versione: 2.0

Item	Quantity	Reference	Part
1	4	C1,C5,C7,C8	CE1/25
2	1	C2	CM.1UF
3	1	C3	47UF/25
4	2	C4,C6	CD.1UF
5	4	D1,D2,D3,D4	11DQ04
6	1	D5	5V1/0.5W
7	5	JP8,JP9,JP10,JP11,JP13	MOLEX4
8	2	Q1,Q4	IRFD120
9	2	Q2,Q3	IRFD9120
10	1	R1	390R
11	4	R2,R3,R8,R9	4R99
12	4	R6,R7,R10,R11	10R
13	1	R12	470R
14	2	R13,R14	14R7
15	1	U1	TC427
16	1	U2	HCPL2611



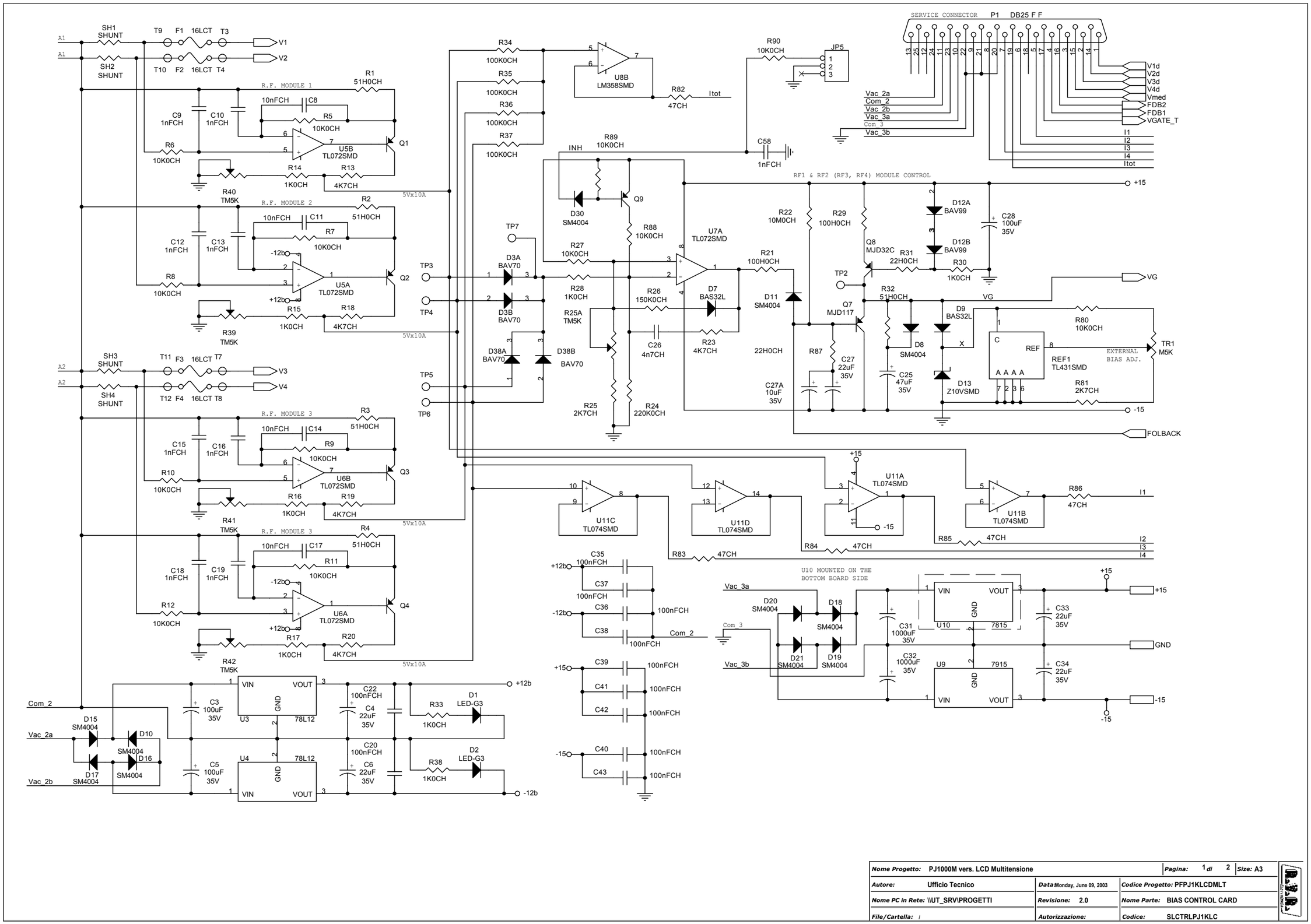
Nome Progetto: PJ1000 Vers. LCD Multitensione		*Pagina:*1 *di* 1	*Size:*A4
Autore: Ufficio Tecnico	*Data:* 29/05/03	*Codice Progetto:* PFPJ1KLCDMLT	
Nome PC in Rete: \\UT_SRV\PROGETTI	*Revisione:* 2.0	*Nome Parte:* SOFT START CARD	
File/Cartella Manuali\PJ1000M\SLSOFTSTR\SFTSTR380.DSN	*Autorizzazione:*	*Codice:* SLSOFTSTR	

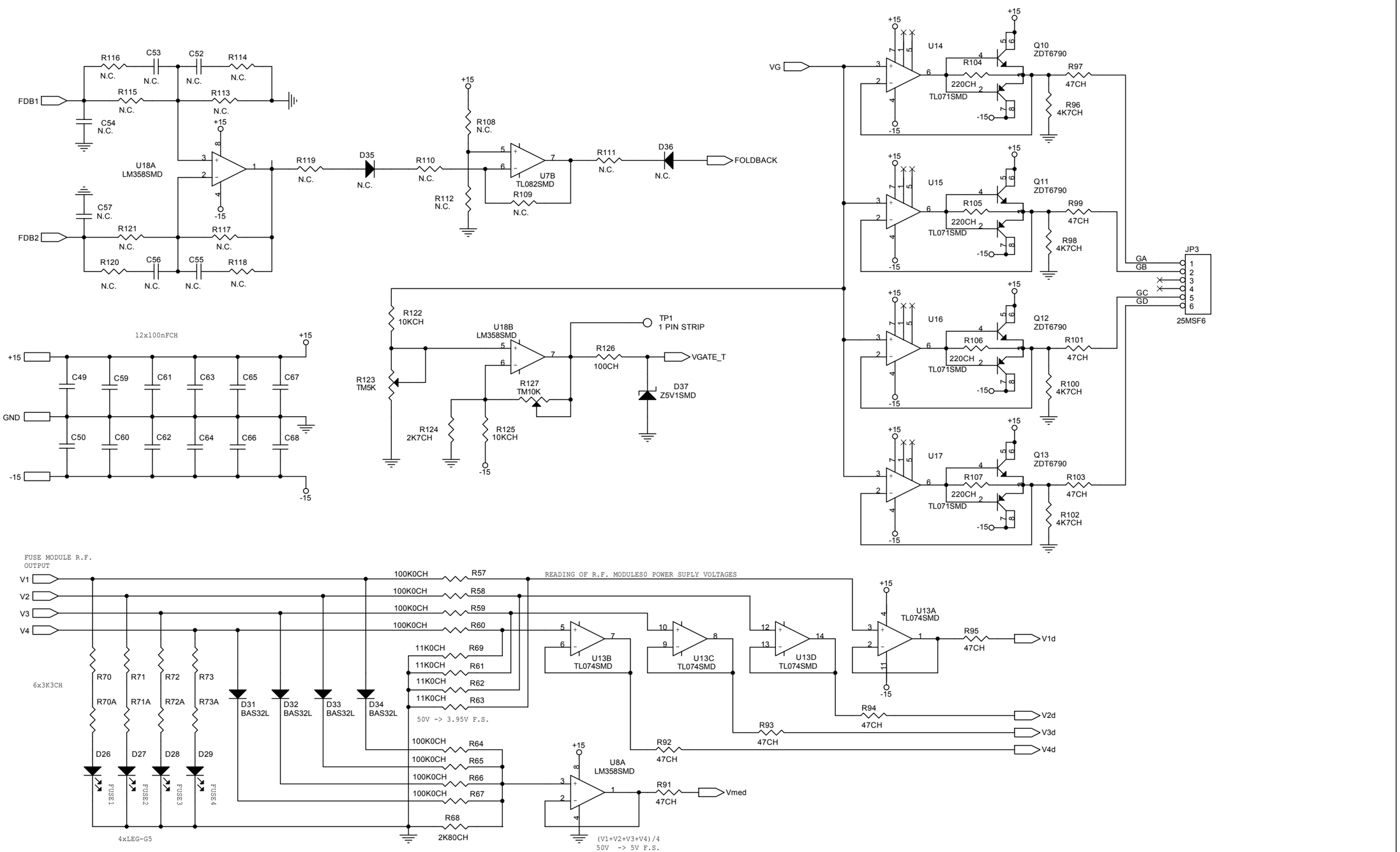


Nome Progetto: PJ1000M Vers. LCD Multitensione		Pagina: 1 di 1	Size: A4
Autore: Ufficio Tecnico	Data: 29/05/03	Codice Progetto: PFPJ1KLCDMLT	
Nome PC in Rete: \\UT_SRV\PROGETTI	Revisione: 2.0	Nome Parte: SOFT START CARD LAYOUT	
File/Cartella: MANUALI\PJ1KLCD\SLSOFTSTR\SFTSTR380.DWG	Autorizzazione:	Codice: SLSOFTSTR	
Scala:/ Materiale: /	Trattamento: /	Profilo /	

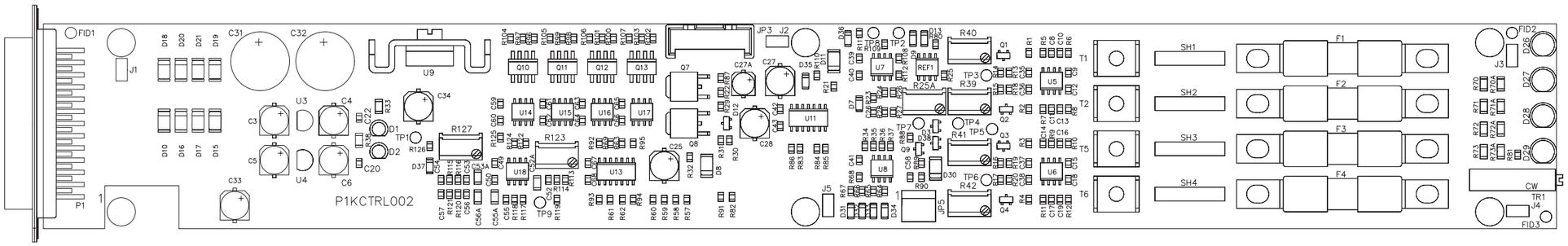
SOFT-START CARD
SLSOFTSTR
Version:2.0

Item	Q.ty	Reference	Part
1	3	D2, D3, D4	1N4007
2	2	R2, R3	10K0 1%
3	1	R4	10H0
4	1	C1	470uF 35V
5	1	C2	47uF 50V
6	1	D1	W04M
7	1	M1	LUMBERG 4P
8	1	Q1	BD681
9	1	R1	120 5W
10	1	RLY1	SIRIUS 3RT101


SERVICE CONNECTOR P1 DB25 F F
SH1 SHUNT
SH2 SHUNT
SH3 SHUNT
SH4 SHUNT
T9 F1 16LCT T3
T10 F2 16LCT T4
T11 F3 16LCT T7
T12 F4 16LCT T8
V1
V2
V3
V4
R.F. MODULE 1
R.F. MODULE 2
R.F. MODULE 3
R1 51H0CH
R2 51H0CH
R3 51H0CH
R4 51H0CH
C8 10nFCH
C9 1nFCH
C10 1nFCH
C11 10nFCH
C12 1nFCH
C13 1nFCH
C14 10nFCH
C15 1nFCH
C16 1nFCH
C17 10nFCH
C18 1nFCH
C19 1nFCH
R5 10K0CH
R6 10K0CH
R7 10K0CH
R8 10K0CH
R9 10K0CH
R10 10K0CH
R11 10K0CH
R12 10K0CH
R13 4K7CH
R14 1K0CH
R15 1K0CH
R16 1K0CH
R17 1K0CH
R18 4K7CH
R19 4K7CH
R20 4K7CH
R39 TM5K
R40 TM5K
R41 TM5K
R42 TM5K
U5B TL072SMD
U5A TL072SMD
U6B TL072SMD
U6A TL072SMD
Q1
Q2
Q3
Q4
5Vx10A
R34 100K0CH
R35 100K0CH
R36 100K0CH
R37 100K0CH
U8B LM358SMD
R82 47CH
Itot
R90 10K0CH
JP5
C58 1nFCH
R89 10K0CH
INH
D30 SM4004
Q9
R88 10K0CH
TP3
TP4
TP5
TP6
TP7
D3A BAV70
D3B BAV70
D38A BAV70
D38B BAV70
R27 10K0CH
R28 1K0CH
R25A TM5K
R25 2K7CH
R24 220K0CH
R26 150K0CH
C26 4n7CH
R23 4K7CH
D7 BAS32L
U7A TL072SMD
R21 100H0CH
D11 SM4004
22H0CH
C27A 10uF 35V
R87
C27 22uF 35V
RF1 & RF2 (RF3, RF4) MODULE CONTROL
R22 10M0CH
R29 100H0CH
Q8 MJD32C
R31 22H0CH
D12A BAV99
D12B BAV99
C28 100uF 35V
R30 1K0CH
TP2
Q7 MJD117
R32 51H0CH
D9 BAS32L
D8 SM4004
C25 47uF 35V
D13 Z10VSMD
R80 10K0CH
REF1 TL431SMD
EXTERNAL BIAS ADJ.
TR1 M5K
R81 2K7CH
VG
+15
-15
FOLBACK
Vac_2a
Com_2
Vac_2b
Vac_3a
Com_3
Vac_3b
I1
I2
I3
I4
Itot
FDB1
FDB2
VGATE_T
Vmed
V1d
V2d
V3d
V4d
U11A TL074SMD
U11B TL074SMD
U11C TL074SMD
U11D TL074SMD
R83 47CH
R84 47CH
R85 47CH
R86 47CH
U10 MOUNTED ON THE BOTTOM BOARD SIDE
D20 SM4004
D18 SM4004
D21 SM4004
D19 SM4004
C31 1000uF 35V
C32 1000uF 35V
C33 22uF 35V
C34 22uF 35V
U10 7815
U9 7915
C35 100nFCH
C36 100nFCH
C37 100nFCH
C38 100nFCH
C39 100nFCH
C40 100nFCH
C41 100nFCH
C42 100nFCH
C43 100nFCH
D15 SM4004
D16 SM4004
D17 SM4004
D10 SM4004
C3 100uF 35V
C5 100uF 35V
C22 100nFCH
C4 22uF 35V
C20 100nFCH
C6 22uF 35V
U3 78L12
U4 78L12
R33 1K0CH
R38 1K0CH
D1 LED-G3
D2 LED-G3
+12b
-12b
Nome Progetto: PJ1000M vers. LCD Multitensione
Pagina: 1 di 2
Size: A3
Autore: Ufficio Tecnico
Data: Monday, June 09, 2003
Codice Progetto: PFPJ1KLCDMLT
Nome PC in Rete: \\UT_SRV\PROGETTI
Revisione: 2.0
Nome Parte: BIAS CONTROL CARD
File/Cartella: /
Autorizzazione:
Codice: SLCTRLPJ1KLC



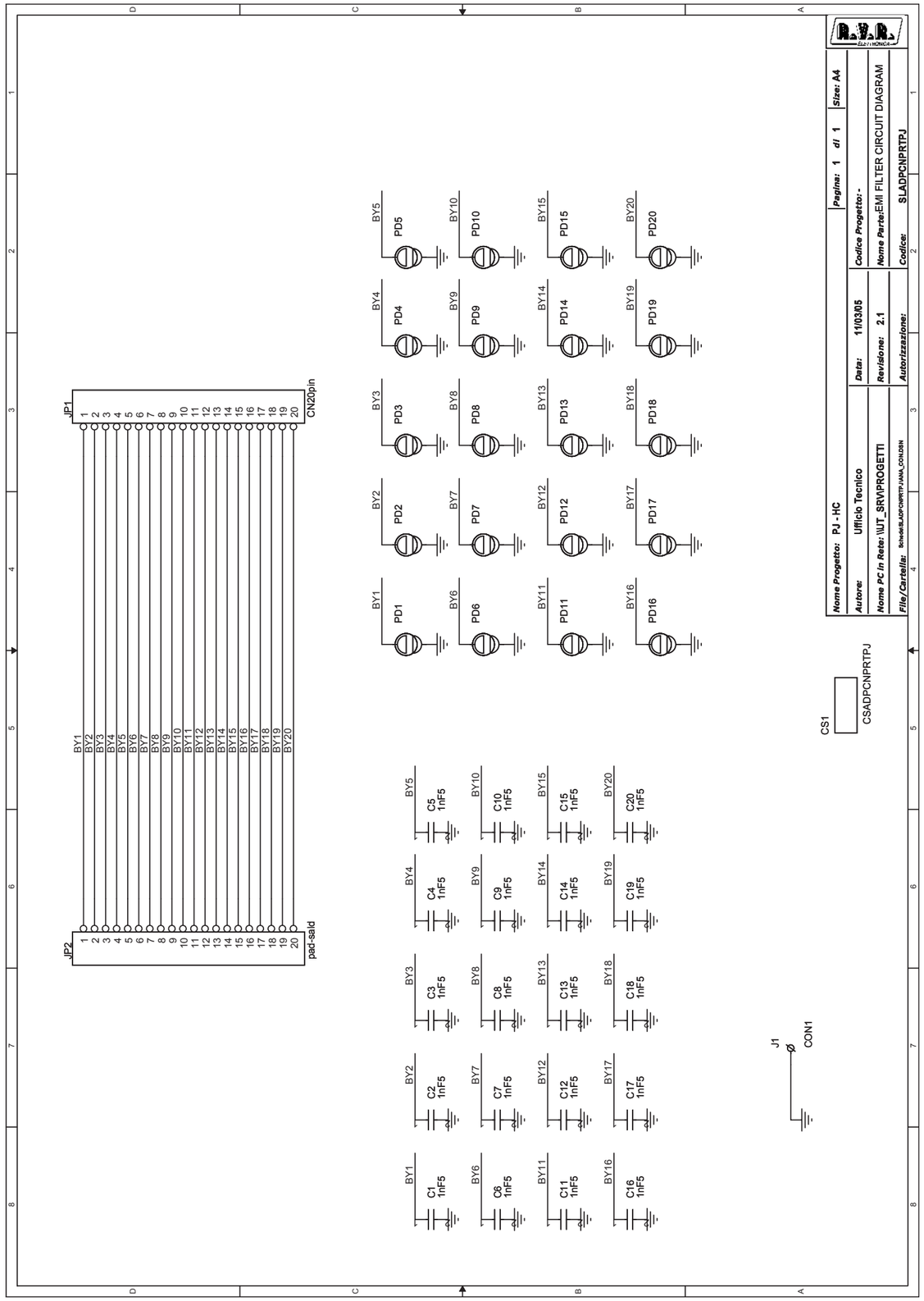
Nome Progetto: PJ1000M vers. LCD Multitensione		**Pagina:** 2 di 2	**Size:** A3
Autore: Ufficio Tecnico	**Data:** Monday, June 09, 2003	**Codice Progetto:** PFPJ1KLCDMLT	
Nome PC in Rete: \\UT_SRV\PROGETTI	**Revisione:** 2.0	**Nome Parte:** BIAS CONTROL CARD	
File/Cartella: /	**Autorizzazione:**	**Codice:** SLCTRLPJ1KLC	

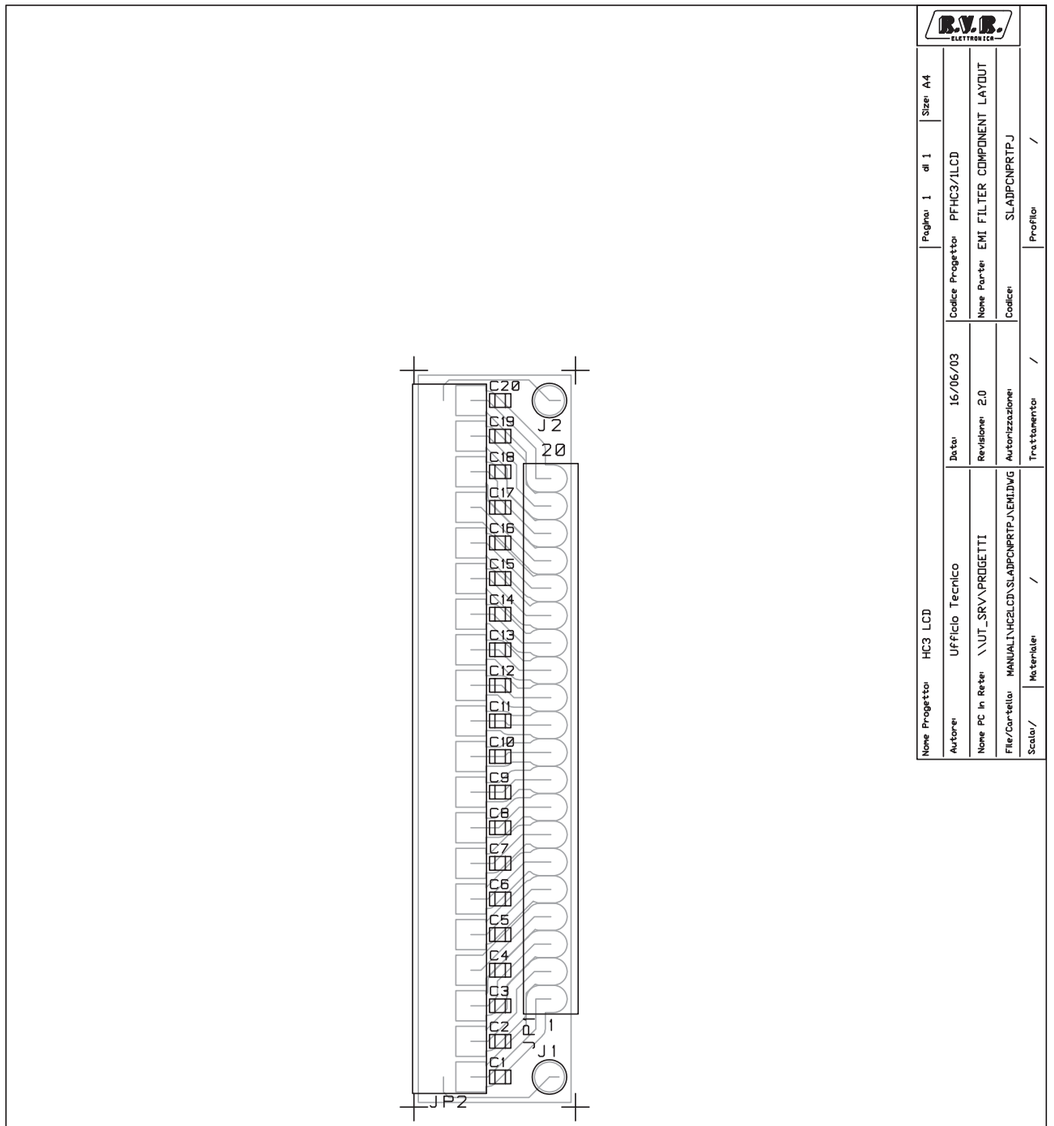


Nome Progetto:	PJ1000M Vers. LCD Multitensione			Pagina: 1 di 1		Size: A3	
Autore:	Ufficio Tecnico	Data:	29/05/03	Codice Progetto:	PFPJ1KLCDMLT		
Nome PC in Rete:	\\UT_SRV\PROGETTI	Revisione:	2.0	Nome Parte:	BIAS CONTROL CARD LAYOUT		
File/Cartella:	MANUALI\PJ1KLCD\SLCTRLPJ1KLC\LAYBIAS2.DWG	Autorizzazione:		Codice:	SLCTRLPJ1KLC		
Scala: /	Materiale: /	Trattamento:	/	Profilo:	/		

BIAS CONTROL CARD
SLCTRLPJ1KLC
Revision:2.0

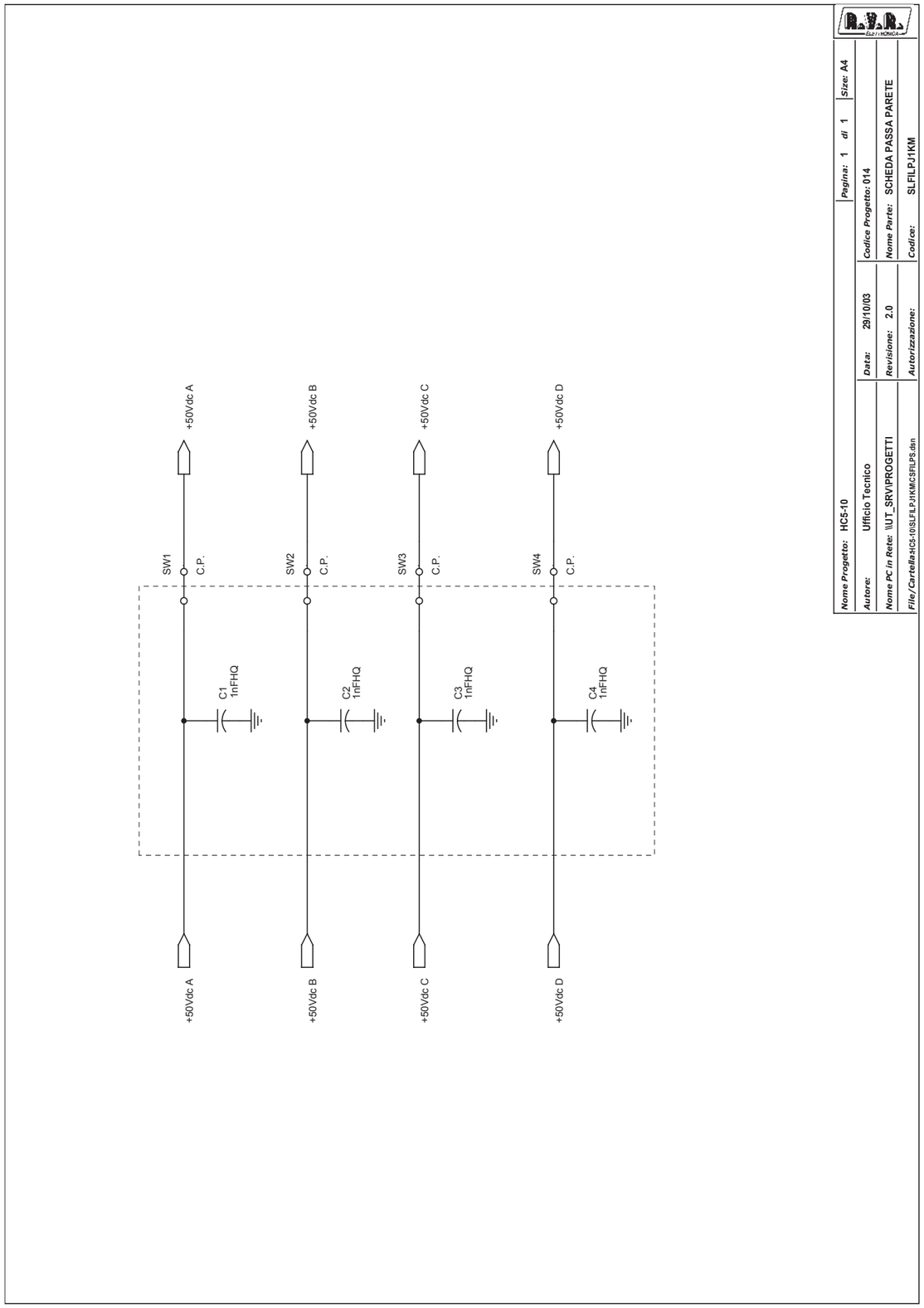
Item	Quantity	Reference	Part	DESCRIPTION
1	2	R31,R87	22H0CH	CHIP RESISTOR 1%
2	14	R82,R83,R84,R85,R86,R91, R92,R93,R94,R95,R97,R99, R101,R103	47CH	CHIP RESISTOR 1/4W
3	5	R1,R2,R3,R4,R32	51H0CH	CHIP RESISTOR 1%
4	2	R21,R29	100H0CH	CHIP RESISTOR 1%
5	1	R126	100CH	CHIP RESISTOR
6	4	R104,R105,R106,R107	220CH	CHIP RESISTOR
7	6	R14,R15,R16,R17,R28,R30,	1K0CH	CHIP RESISTOR 1%
8	3	R25,R81,R124	2K74CH	CHIP RESISTOR 1%
9	1	R68	2K80CH	CHIP RESISTOR 1%
10	8	R70A,R70,R71A,R71,R72A, R72,R73A,R73	3K32CH	CHIP RESISTOR 1%
11	4	R96,R98,R100,R102	4K7CH	CHIP RESISTOR
12	5	R13,R18,R19,R20,R23	4K75CH	CHIP RESISTOR 1%
13	13	R5,R6,R7,R8,R9,R10,R11, R12,R27,R80,R88,R89,R90	10K0CH	CHIP RESISTOR 1%
14	2	R122,R125	10KCH	CHIP RESISTOR
15	4	R61,R62,R63,R69	11K0CH	CHIP RESISTOR 1%
16	12	R34,R35,R36,R37,R57,R58, R59,R60,R64,R65,R66,R67	100K0CH	CHIP RESISTOR
17	1	R26	150K0CH	CHIP RESISTOR 1%
18	1	R24	221K0CH	CHIP RESISTOR 1%
19	1	R22	10M0CH	CHIP RESISTOR 1%
20	1	TR1	M5K	TRIMMER MULTIGIRI
21	6	R25A,R39,R40,R41,R42, R123	TM5K	TRIMMER MUTLIGIRI
22	1	R127	TM10K	TRIMMER MULTIGIRI
23	9	C9,C10,C12,C13,C15,C16, C18,C19,C58	1NFCH	CERAMIC CHIP CAPACITOR
24	1	C26	4N7CH	CERAMIC CHIP CAPACITOR
25	4	C8,C11,C14,C17	10NFCH	CERAMIC CHIP CAPACITOR
26	23	C20,C22,C35,C36,C37,C38, C39,C40,C41,C42,C43,C49, C50,C59,C60,C61,C62,C63, C64,C65,C66,C67,C68	100NFCH	CERAMIC CHIP CAPACITOR
27	1	C27A	10UF	ELECTROLYTIC CAPACITOR
28	5	C4,C6,C27,C33,C34	22UF	ELECTROLYTIC CAPACITOR
29	1	C25	47UF	ELECTROLYTIC CAPACITOR
30	3	C3,C5,C28	100UF	ELECTROLYTIC CAPACITOR
31	2	C31,C32	1000UF	ELECTROLYTIC CAPACITOR
32	9	TP1,TP2,TP3,TP4,TP5,TP6, TP7,TP8,TP9	1 PIN STRIP	STRIP M 1 PIN
33	1	JP5	3 PIN STRIP	STRIP M P 2.54 3 PIN
34	1	JP3	25MSF6	MINIMODUL CONNECTOR 2.5MM 6P
35	4	SH1,SH2,SH3,SH4	SHUNT	SHUNT CURRENT
36	1	P1	DB25 F F	CONN. F 25 FILTRATO MURATA
37	6	D7,D9,D31,D32,D33,D34BAS32L	CHIP	SILICON DIODE
38	2	D3,D38	BAV70	DUAL COMM. SWITH. CAT. DIODE
39	1	D12	BAV99	DUAL SERIES. SWITH. DIODE
40	11	D8,D10,D11,D15,D16,D17, D18,D19,D20,D21,D30	SM4004	SILICON DIODE 400V SMD
41	2	D1,D2	LED-G3	GREEN LED DIODE 3mm
42	4	D26,D27,D28,D29	LED-G5	GREEN LED DIODE
43	1	D37	Z5V1SMD	ZENER DIODE 5.1V 0.4W SMD
44	1	D13	Z10VSMD	ZENER DIODE 10V 0.4W SMD
45	1	U3	78L12	POS. STABILIZER 100mA
46	1	U4	79L12	NEG. STABILIZER 100mA
47	1	U10	7815	POS. STABILIZER 1A
48	1	U9	7915	NEG. STABILIZER 1A
49	1	REF1	TL431SMD	VOLT. PREC. REFER. SMD
50	5	Q1,Q2,Q3,Q4,Q9	MMBT5401LT1	PNP HIGH VOLT. TRANSISTOR
51	1	Q7	MJD117	PNP BIPOLAR POWER TRANS.
52	1	Q8	MJD32C	PNP BIPOLAR POWER TRANS.
53	4	Q10,Q11,Q12,Q13	ZDT6790	COMPLEM. MED. PWR HG. TRANS.
54	2	U8,U18	LM358SMD	DUOBLE OP. AMP. SMD
55	3	U5,U6,U7	TL082SMD	DOUBLE OP. AMP. SMD
56	4	U14,U15,U16,U17	TL071SMD	SINGLE OP. AMP.
57	2	U11,U13	TL084SMD	QUAD OP. AMP. SMD
58	12	T1,T2,T3,T4,T5,T6,T7,T8, T9,T10,T11,T12	TORRETTA	TORRETTA ESAGONALE
59	22	D35,D36,C52,C53,C54,C55, C56,C57,R108,R109,R110, R111,R112,R113,R114,R115, R116,R117,R118,R119,R120, R121	N.C.	NOT CONNECTED
60	2	R33,R38	1K0CH	CHIP RESISTOR
61	4	F1,F2,F3,F4	16LCT	BOLT-IN MOUNTED FUSES 16LCT


JP1
CN20pin
JP2
pad-sald
CS1
CSADPCNPRTPJ
J1
CON1
BY1 PD1 C1 1nF5
BY2 PD2 C2 1nF5
BY3 PD3 C3 1nF5
BY4 PD4 C4 1nF5
BY5 PD5 C5 1nF5
BY6 PD6 C6 1nF5
BY7 PD7 C7 1nF5
BY8 PD8 C8 1nF5
BY9 PD9 C9 1nF5
BY10 PD10 C10 1nF5
BY11 PD11 C11 1nF5
BY12 PD12 C12 1nF5
BY13 PD13 C13 1nF5
BY14 PD14 C14 1nF5
BY15 PD15 C15 1nF5
BY16 PD16 C16 1nF5
BY17 PD17 C17 1nF5
BY18 PD18 C18 1nF5
BY19 PD19 C19 1nF5
BY20 PD20 C20 1nF5
Nome Progetto: PJ - HC
Autore: Ufficio Tecnico
Nome PC in Rete: \\UT_SRV\PROGETTI
File/Cartella: Schede\LADPCCNPRTPJ\MAN_CONUSN
Pagina: 1 di 1
Size: A4
Data: 11/03/05
Revisione: 2.1
Autorizzazione:
Codice Progetto: -
Nome Parte: EMI FILTER CIRCUIT DIAGRAM
Codice: SLADPCNPRTPJ

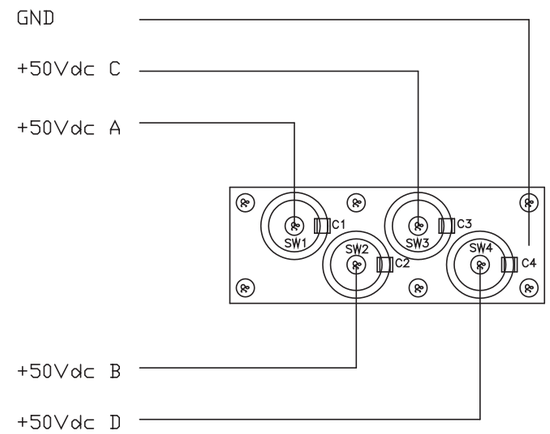

J2
20
C20
C19
C18
C17
C16
C15
C14
C13
C12
C11
C10
C9
C8
C7
C6
C5
C4
C3
C2
C1
JP1
J1
JP2
Nome Progetto: HC3 LCD
Autore: Ufficio Tecnico
Nome PC in Rete: \\UT_SRV\PROGETTI
File/Cartella: MANUALI\HC3LCD\SLADPCNPRTP\EMI.DWG
Scala: /
Materiale: /
Pagina: 1 di 1
Size: A4
Data: 16/06/03
Revisione: 2.0
Autorizzazione:
Trattamento: /
Codice Progetto: PFHC3/LCD
Nome Parte: EMI FILTER COMPONENT LAYOUT
Codice: SLADPCNPRTPJ
Profilo: /

EMI FILTER CIRCUIT DIAGRAM Revised: Friday, March 11, 2005
SLADPCNPRTPJ Revision: 2.1
PJ - HC
-
Ufficio Tecnico

Item	Quantity	Reference	Part	Description
1	1	CS1	CSADPCNPRTPJ	Circuito stampato
2	20	C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20	1nF5	Cond. ceramico 0805 X7R
3	1	JP1	CN20pin	Conn. strippato femm. 20pin tornita
4	1	JP2	pad-sald	Pad a saldare
5	1	J1	CON1	Pad a saldare
6	20	PD1, PD2, PD3, PD4, PD5, PD6, PD7, PD8, PD9, PD10, PD11, PD12, PD13, PD14, PD15,		Pad a saldare



Nome Progetto: HC5-10		**Pagina:** 1 di 1	**Size:** A4
Autore: Ufficio Tecnico	**Data:** 29/10/03	**Codice Progetto:** 014	
Nome PC in Rete: \\UT_SRV\PROGETTI	**Revisione:** 2.0	**Nome Parte:** SCHEDA PASSA PARETE	
File/Cartella: HC5-10\SLFILPJ1KM\HC5FILP3.dsn	**Autorizzazione:**	**Codice:** SLFILPJ1KM	



R.V.R. ELETTRONICA	NOME PROGETTO: HC5-10			NOME PARTE: WALK-THROUGH BOARD		
	AUTORE: GP - Rev.: J. Berti		DATA: 11/02/2004	REVISIONE: 1.0	SCALA: 1:1	SIZE: A4	PAGINA: 1 DI 1
ARCHIVIAZIONE ELETTRONICA: "CARTELLA PROGETTI" SU "UT_SRV"		CODICE PROGETTO: 014		CODICE DISEGNO: SLFILPJ1KM		
MATERIALE: FR4-74 1.6mm Cu 35um		TRATTAMENTO: STANDARD COSTRUTTORE		PROFILO: Positivo		STATO: ESECUTIVO

SCHEDA PASSA PARETE Revised: Oct 30, 2003
SLFILPJ1KM Revision: 2.0
HC5-10

Item	Quantity	Reference	Part
1	4	C1, C2, C3, C4	1nFHQ
2	4	SW1, SW2, SW3, SW4	C.P.