



TEX1002TFT

TECHNICAL ANNEX VOLUME 2



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Member of CISQ Federation



CERTIFIED MANAGEMENT SYSTEM
ISO 9001



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Manufactured by R.V.R. ELETTRONICA Italy



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

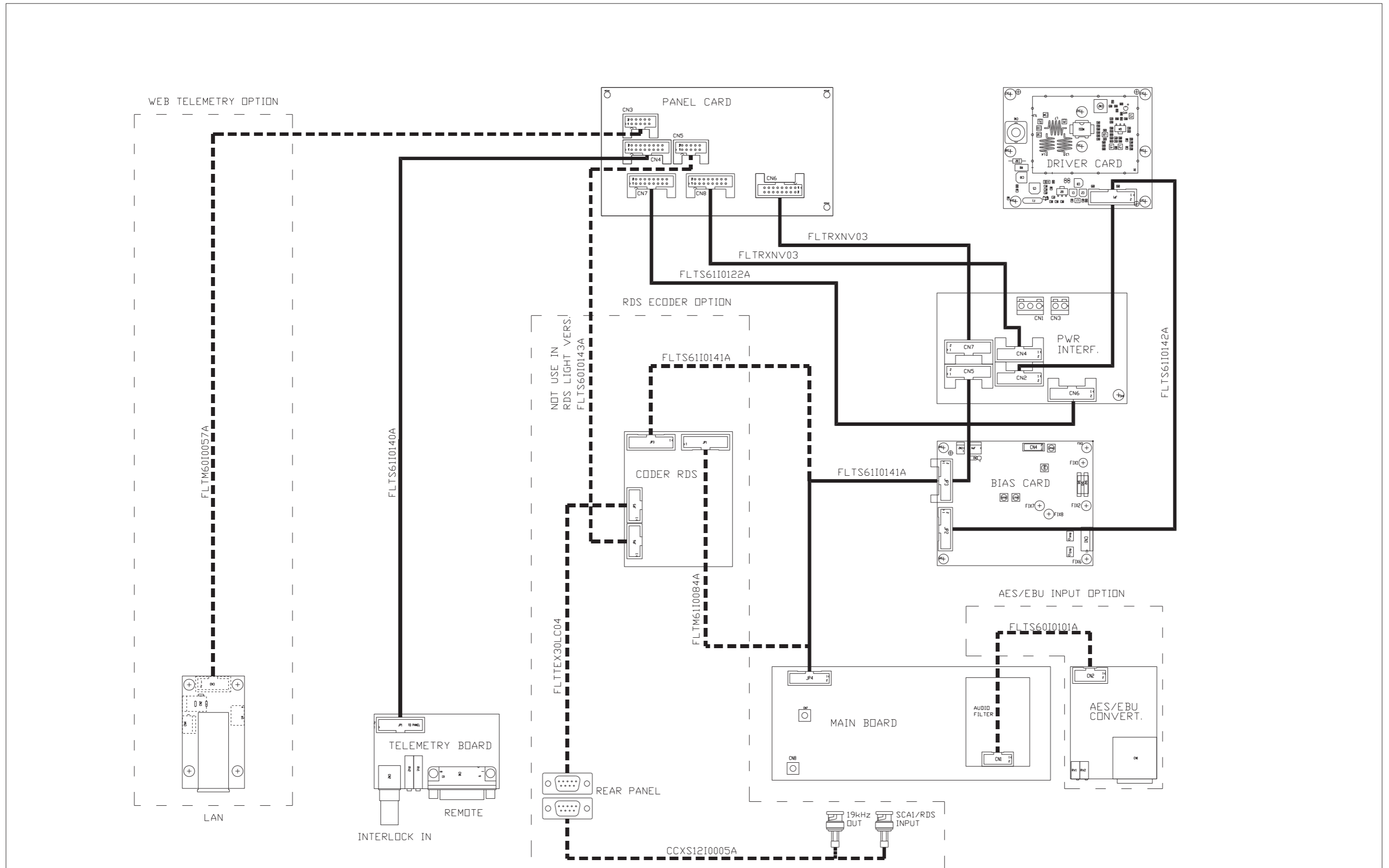
Questa parte del manuale contiene i dettagli tecnici riguardanti la costruzione delle singole schede componenti il TEX1002TFT. L'appendice è composta dalle seguenti sezioni:

This part of the manual contains the technical details about the different Cards of the TEX1002TFT. This appendix is composed of the following sections:

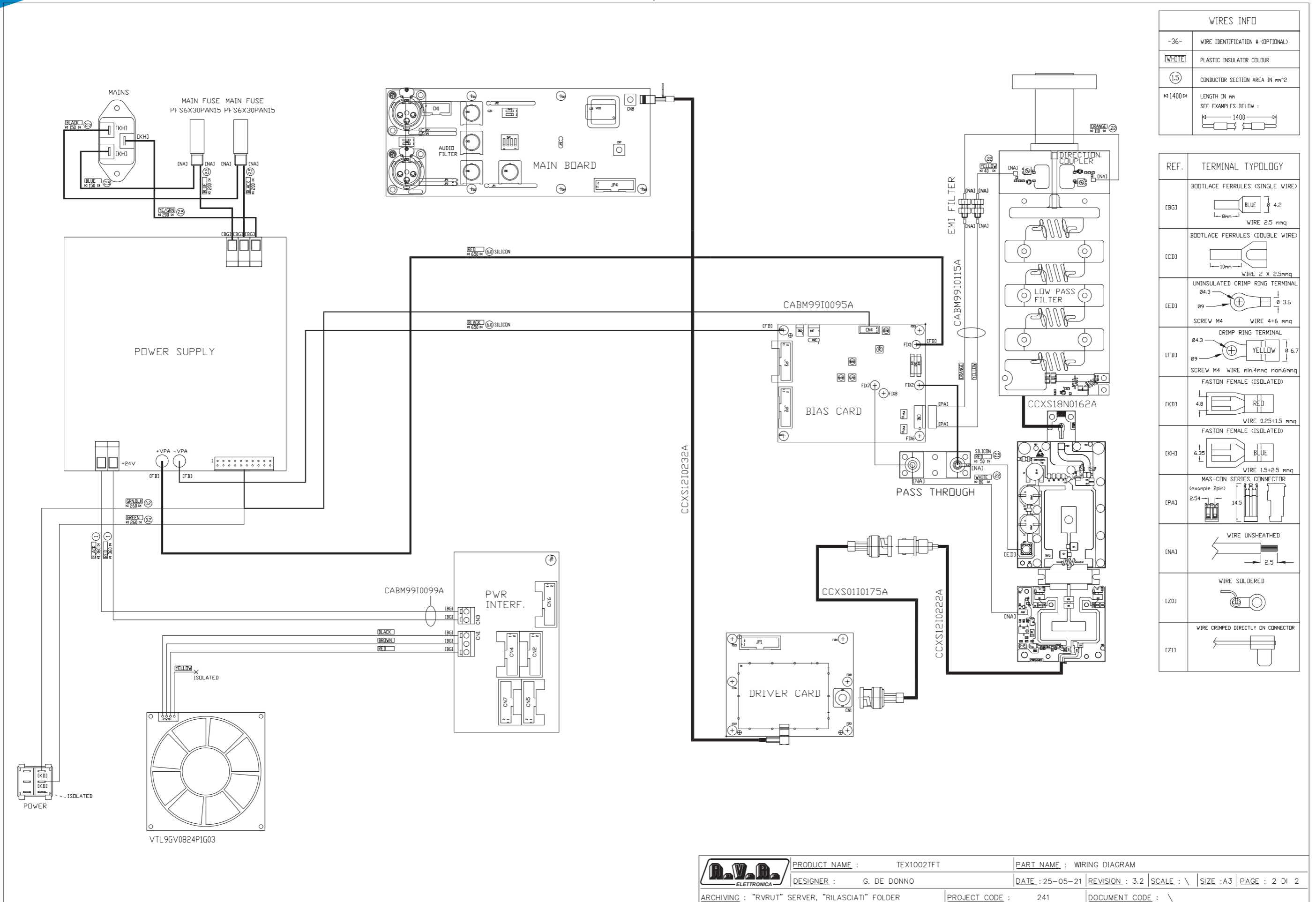
Description	RVR Code	Vers.	Page
Wiring Diagram	/	3.1	1
Main Board	SLMA0276R04V01	1.1	3
Driver Card	SLDR0271R03V04	1.0	8
R.F. Card	SL246RF1001	1.0	11
R.F. Card - Input Section	SLRF0454R03V01	1.2	12
R.F. Card - Output Section	SLRF0455R03V01	1.2	15
LPF Card	SLLP0356R02V01	1.1	18
Power Supply Interface & Fan Control Card	SLIN0493R02V01	1.0	21
Power Supply	KPSL4248	1.0	24
Panel Card	SLPC0463R05V01	1.0	25
BIAS Card	SLBI0373R03V03	1.1	30
Filter Card	SL241FI1001	1.1	33
Directional Coupler Card	SLDC0355R01V01	1.0	36
Telemetry Card	SLTL0509R01V01	1.1	39
Stereo Coder Card	SLCTC30V03V01	1.1	42
Clipper Card	SLCS0391R01V02	1.0	45
15kHz Audio Filter Card	SLAU0469R01V04	1.0	47

Document History

Date	Version	Reason	Code	Editor
29/06/2020	3.0	Third Release	/	J.H. Berti
30/10/2020	3.1	KKCAB241C, SLMA0276R03V01, SLDR0271R03V02, SLPC0463R03V01, SLBI0373R03V03 & SLTL0509R01V01 Upgrade	/	J.H. Berti
11/12/2020	3.2	SLPC0463R03V01 Upgrade	/	J.H. Berti
13/05/2022	3.3	Wiring Diagrams, SLMA0276R04V01, SLDR0271R03V04, SLRF0454R03V01, SLLP0356R02V01, SLLP0356R02V01, SLIN0493R02V01, SLPC0463R05V01, SLRF0454R03V01, SLRF0455R03V01, SLBI0373R03V03 & SLTL0509R01V01 Upgrade	/	J.H. Berti



	PRODUCT NAME :	TEX1002TFT	PART NAME :	WIRING DIAGRAM	
	DESIGNER :	G. DE DONNO	DATE :	25-05-21	
ARCHIVING :	"RVRUT" SERVER, "RILASCIATI" FOLDER	PROJECT CODE :	241	DOCUMENT CODE :	\
			REVISION :	3.2	
			SCALE :	\	
			SIZE :	A3	
			PAGE :	1 DI 2	

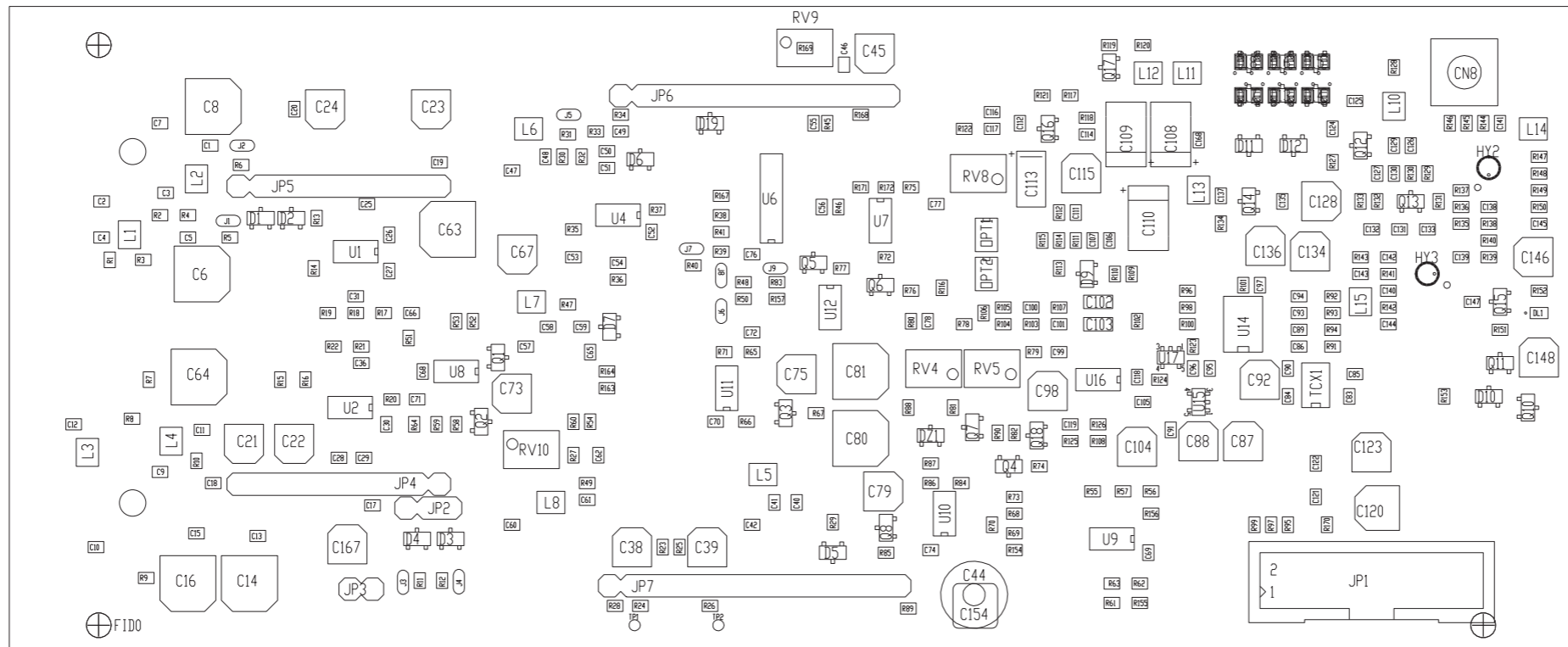
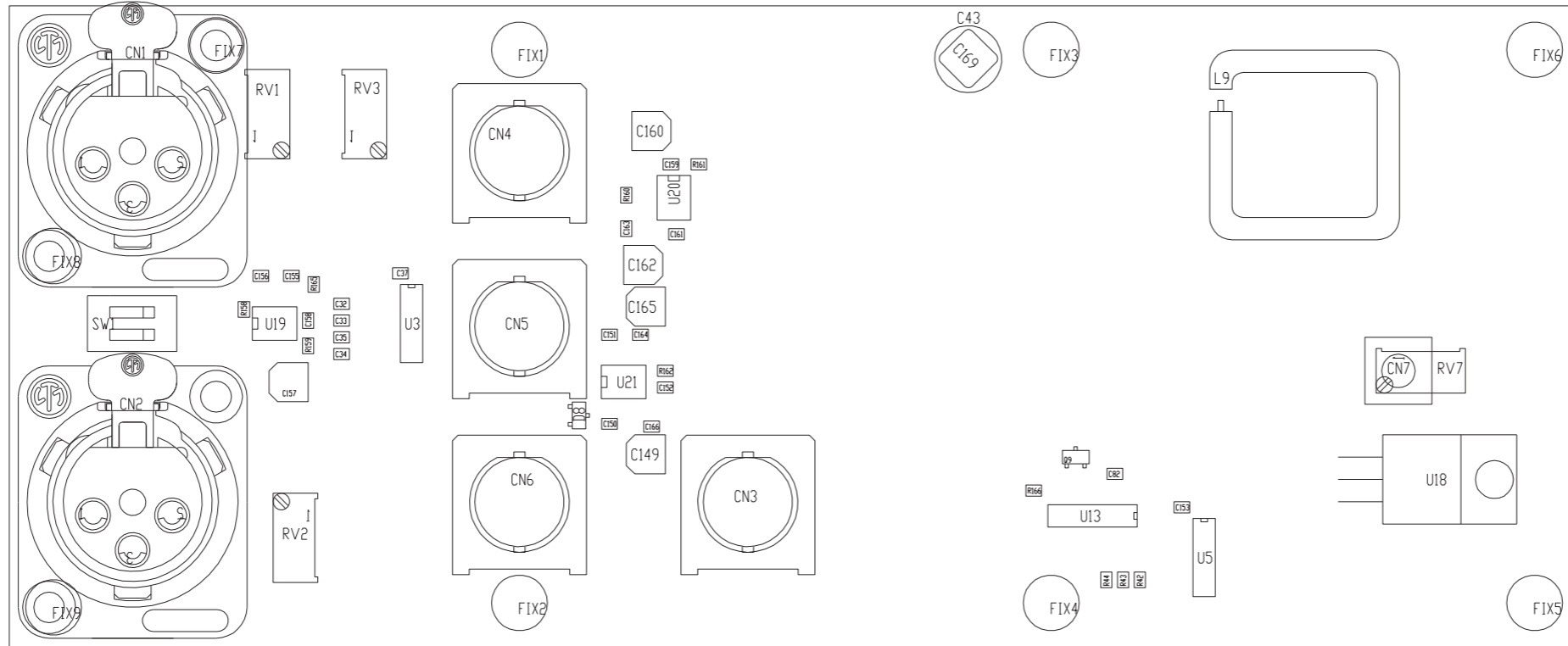


WIRES INFO	
-36-	WIRE IDENTIFICATION # (OPTIONAL)
WHITE	PLASTIC INSULATOR COLOUR
(1.5)	CONDUCTOR SECTION AREA IN mm ²
≠1400	LENGTH IN mm SEE EXAMPLES BELOW :

REF.	TERMINAL TYPOLOGY
(BG)	BOOTLACE FERRULES (SINGLE WIRE) WIRE 2.5 mmq
(CD)	BOOTLACE FERRULES (DOUBLE WIRE) WIRE 2 X 2.5mmq
(ED)	UNINSULATED CRIMP RING TERMINAL SCREW M4 WIRE 4+6 mmq
(FB)	CRIMP RING TERMINAL SCREW M4 WIRE min.4mmq nom.6mmq
(KD)	FASTON FEMALE (ISOLATED) WIRE 0.25+1.5 mmq
(KH)	FASTON FEMALE (ISOLATED) WIRE 1.5+2.5 mmq
(PA)	MAS-CON SERIES CONNECTOR (example 2pin) 2.54 14.5
(NA)	WIRE UNSHEATHED 2.5
(Z0)	WIRE SOLDERED
(Z1)	WIRE CRIMPED DIRECTLY ON CONNECTOR

	PRODUCT NAME :	TEX1002TFT	PART NAME :	WIRING DIAGRAM	
	DESIGNER :	G. DE DONNO	DATE :	25-05-21	
ARCHIVING :	"RVRUT" SERVER, "RILASCIATI" FOLDER	PROJECT CODE :	241	DOCUMENT CODE :	\
			REVISION :	3.2	
			SCALE :	\	
			SIZE :	A3	
			PAGE :	2 DI 2	

SLMA0276R04V01

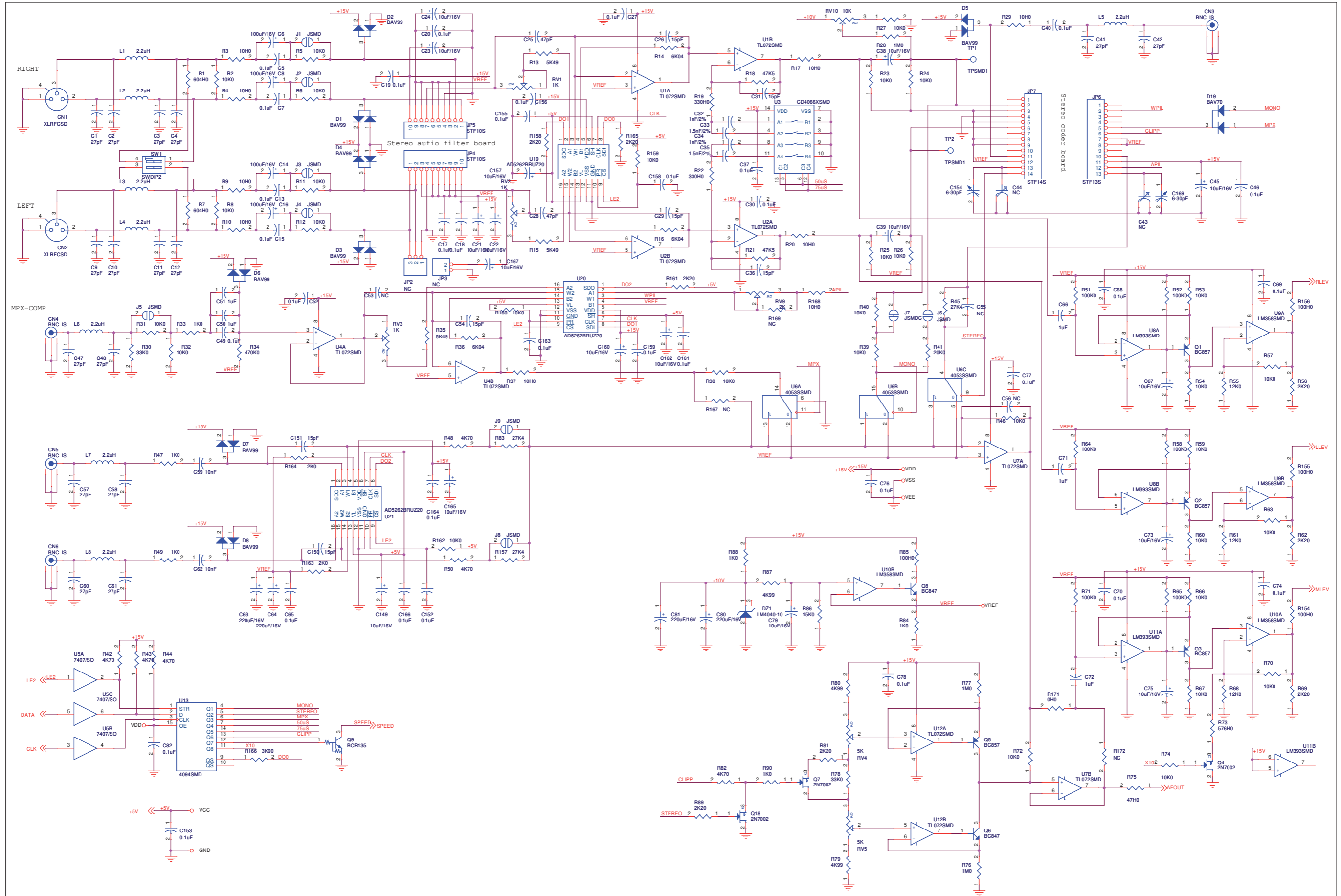


PRODUCT NAME : TEX-TFT
 DESIGNER : FRANCESCHI A.
 ARCHIVING : "RVUT" SERVER, "RILASCIATI" FOLDER

PART NAME : MAIN BOARD
 DATE : 18/08/21
 REVISION : 1.0
 SCALE : 1:1
 SIZE : A4
 PAGE : 1 DI 1

PROJECT CODE : 252
 DOCUMENT CODE : SLMA0276R04V**

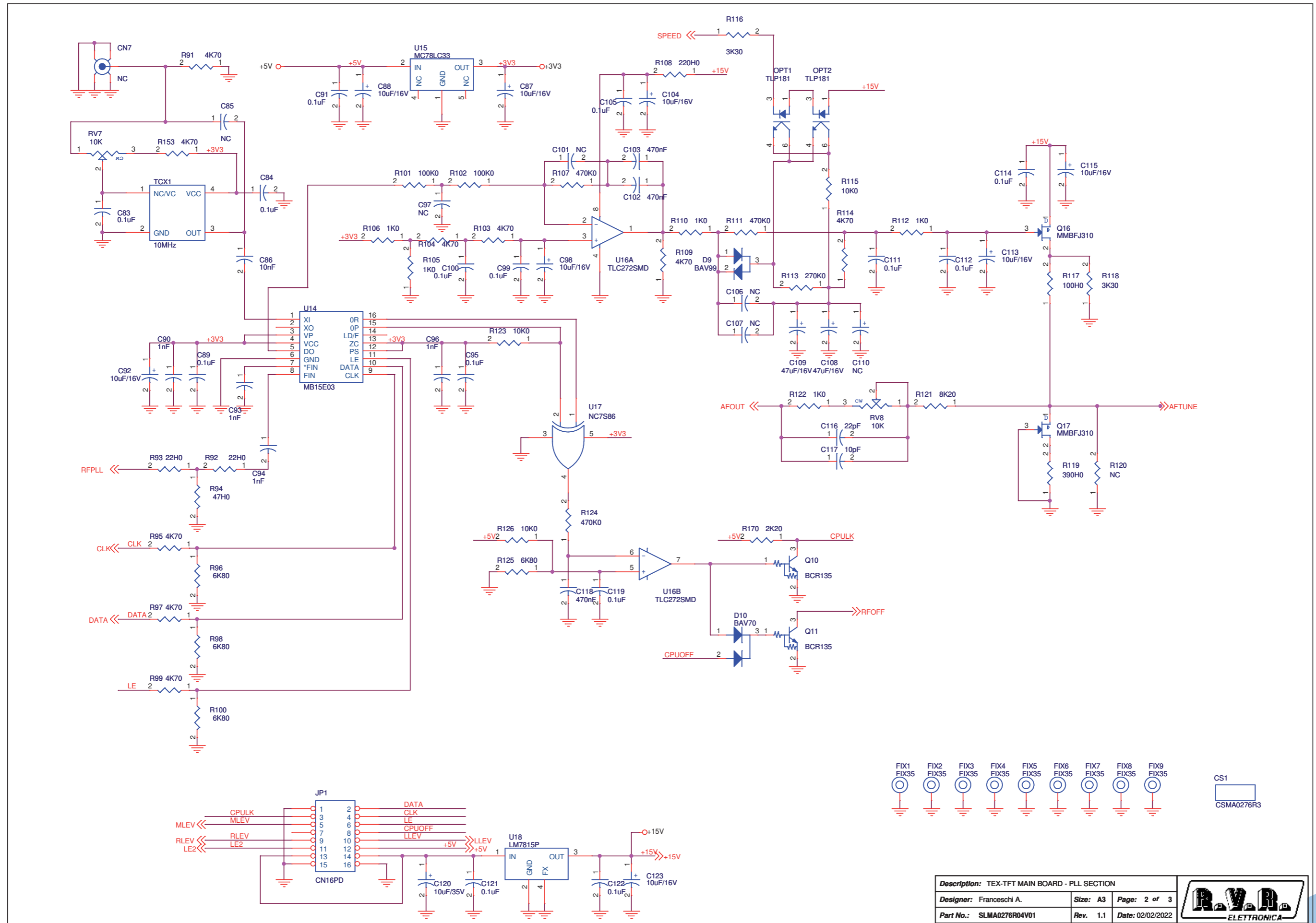




Description: TEX-TFT MAIN BOARD - AUDIO SECTION		
Designer: Francoschi A.	Size: A2	Page: 1 of 3
Part No.: SLMA0276R04V01	Rev. 1.1	Date: 02/02/2022

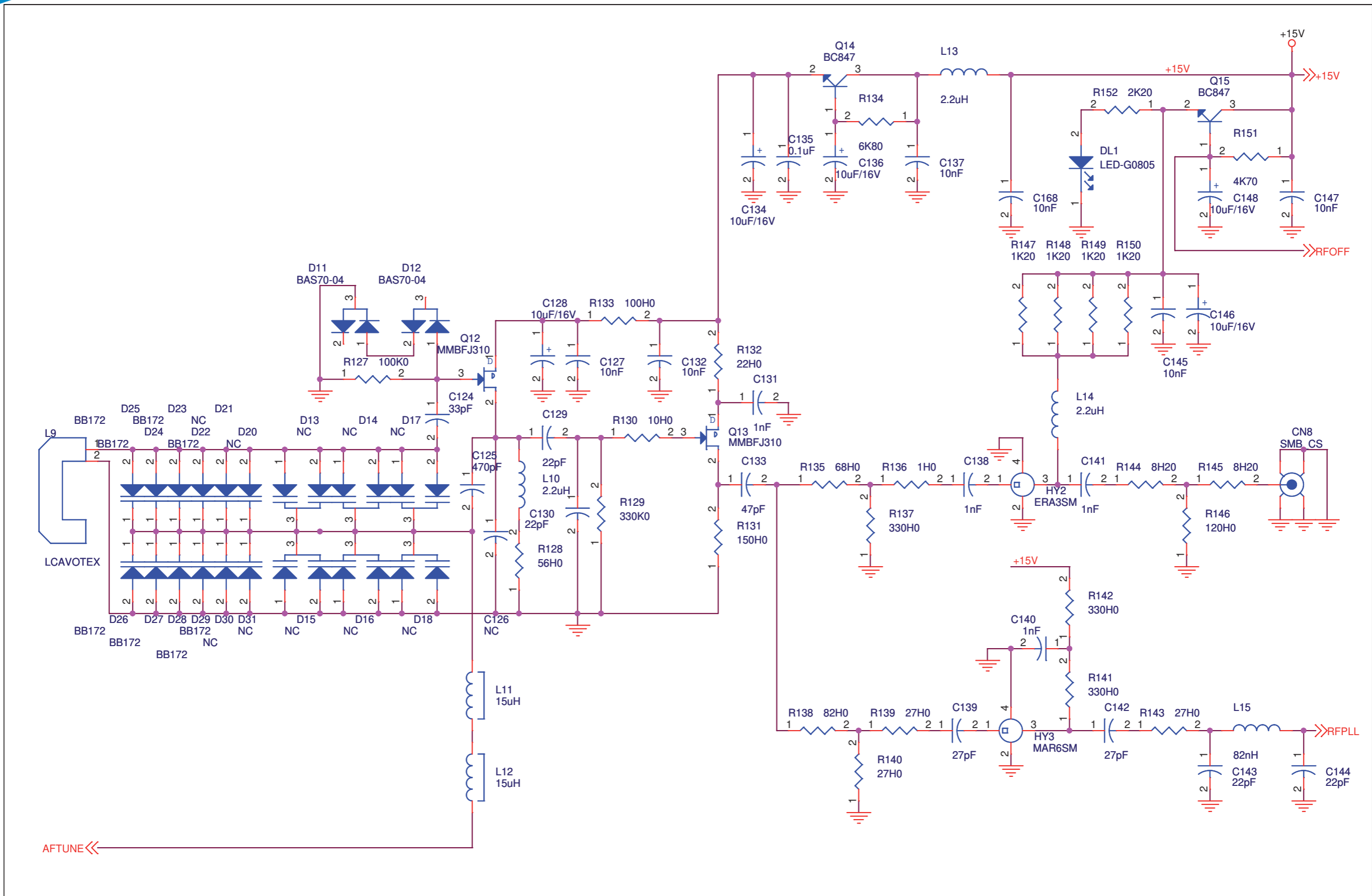


SLMA0276R04V01



Description: TEX-TFT MAIN BOARD - PLL SECTION		
Designer: Franceschi A.	Size: A3	Page: 2 of 3
Part No.: SLMA0276R04V01	Rev.: 1.1	Date: 02/02/2022





AFTUNE <<

Description: TEX-TFT MAIN BOARD - VCO DRV SECTION		
Designer: Franceschi A.	Size: A4	Page: 3 of 3
Part No.: SLMA0276R04V01	Rev. 1.1	Date: 02/02/2022

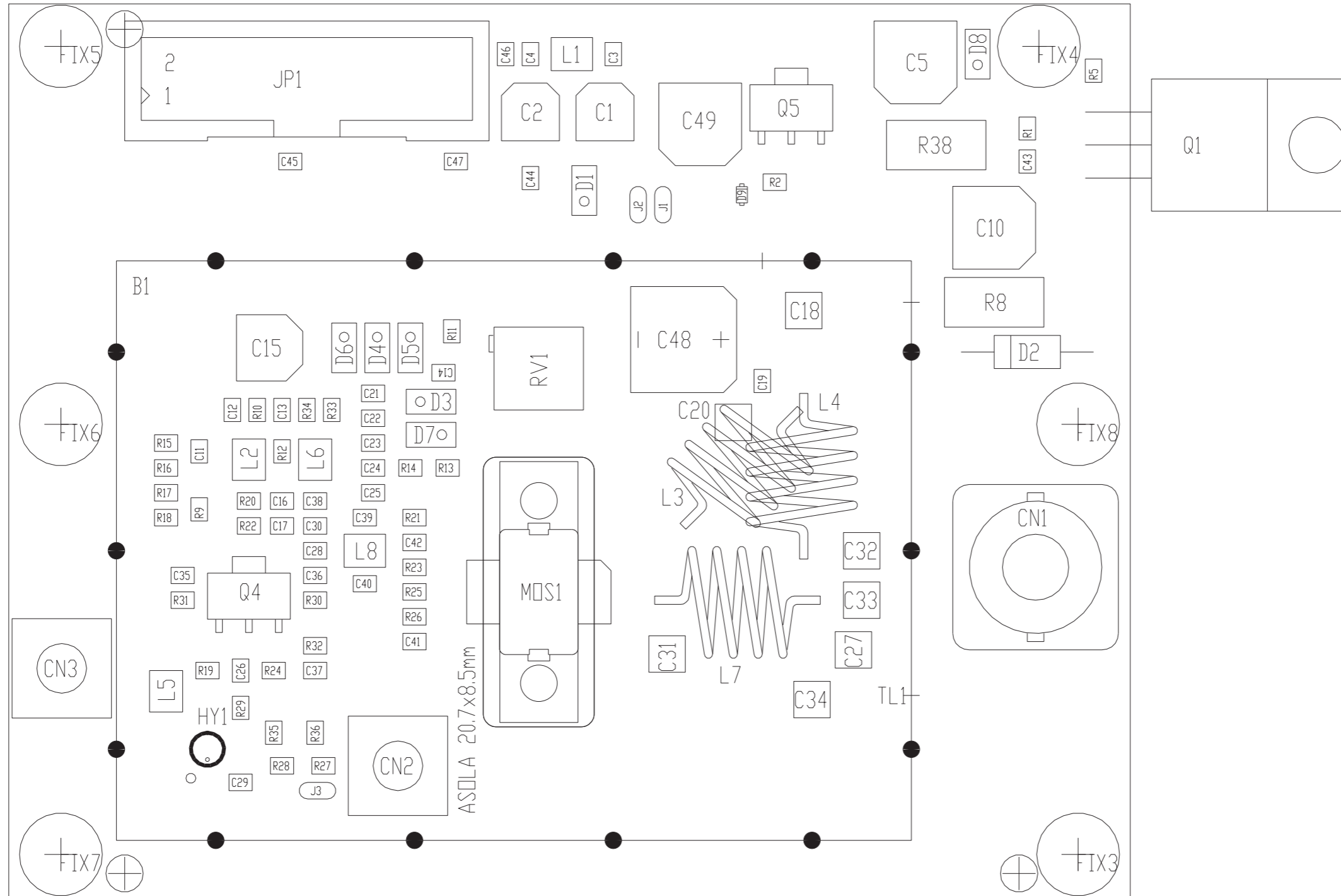


SLMA0276R04V01

TEX-TFT MAIN BOARD Revised: 02/02/2022
 SLMA0276R04V01 Revision: 1.1
 Franceschi A.

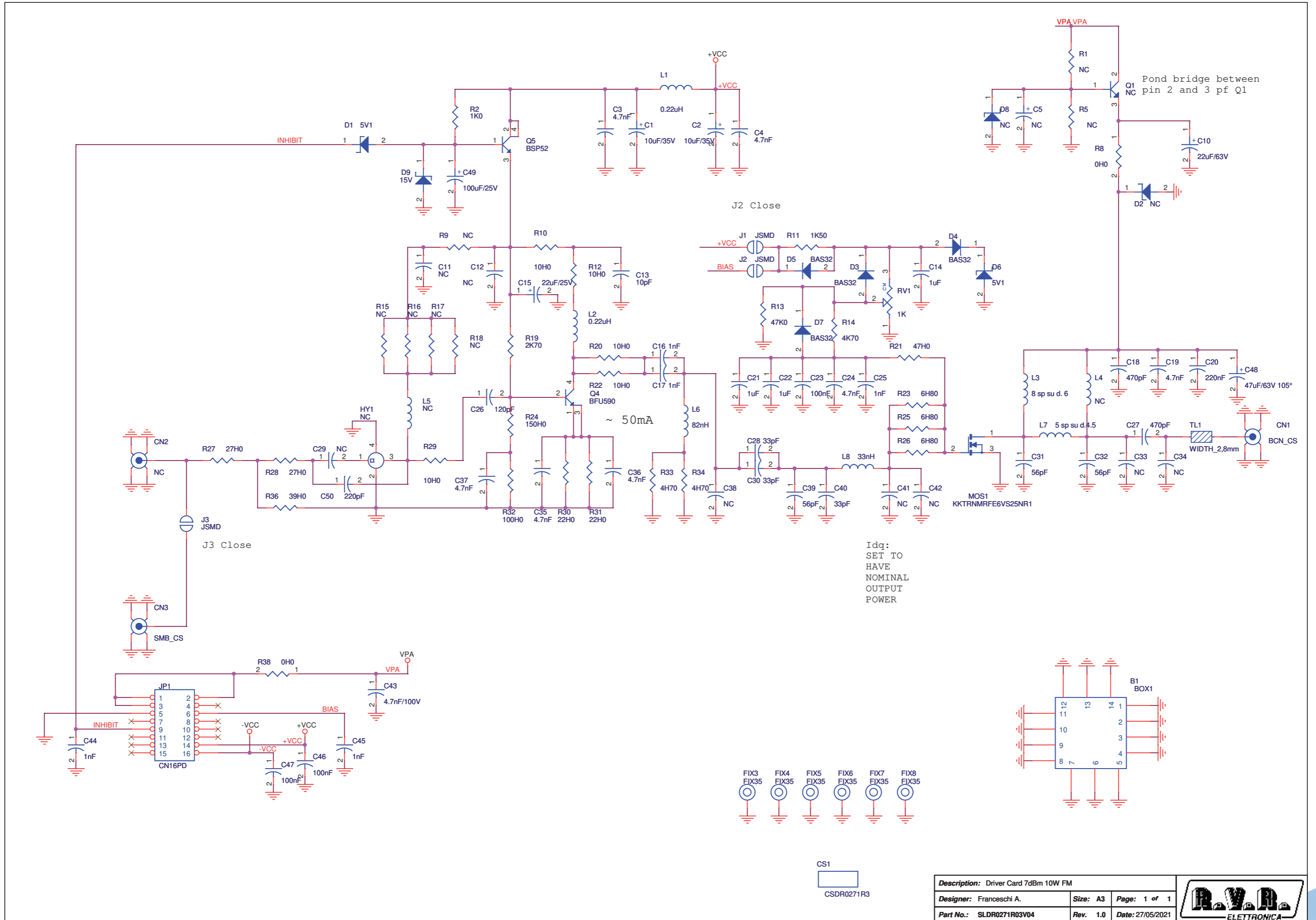
Item	Quantity	Reference	Part	Description
1	2	CN1, CN2	XLRFCSD	XLR fem. PCB conn.
2	4	CN3, CN4, CN5, CN6	BNC_IS	Metal BNC conn.
3	1	CN7	NC	SMB pcb conn.
4	1	CN8	SMB_CS	SMB pcb conn.
5	1	CS1	CSMA0276R3	Printed Circuit board
6	18	C1, C2, C3, C4, C9, C10, C11, C12, C41, C42, C47, C48, C57, C58, C60, C61, C139, C142	27pF	0805 SMD capacitor
7	49	C5, C7, C13, C15, C17, C18, C19, C20, C27, C30, C37, C40, C46, C49, C52, C65, C68, C69, 0.1uF, C70, C74, C76, C77, C78, C82, C83, C84, C89, C91, C95, C99, C100, C105, C111, C112, C114, C119, C121, C122, C135, C152, C153, C155, C156, C158, C159, C161, C163, C164, C166		0805 SMD capacitor
8	4	C6, C8, C14, C16	100uF/16V	SMD electr. cap. 6.3mm
9	29	C21, C22, C23, C24, C38, C39, C45, C67, C73, C75, C79, C87, C88, C92, C98, C104, C115, 10uF/16V, C123, C128, C134, C136, C146, C148, C149, C157, C160, C162, C165, C167		SMD electr. cap. 4mm
10	3	C25, C28, C133	47pF	0805 SMD capacitor
11	7	C26, C29, C31, C36, C54, C150, C151	15pF	0805 SMD capacitor
12	2	C32, C34	1nF/2%	0805 COG SMD capacitor
13	2	C33, C35	1.5nF/2%	0805 COG SMD capacitor
14	2	C43, C44	NC	Ceramic comp. dia. 7mm
15	5	C50, C51, C66, C71, C72	1uF	0805 SMD capacitor
16	9	C53, C55, C56, C85, C97, C101, C106, C107, C126	NC	0805 SMD capacitor
17	9	C59, C62, C86, C127, C132, C137, C145, C147, C168	10nF	0805 SMD capacitor
18	4	C63, C64, C80, C81	220uF/16V	SMD electr. cap. 6.3mm
19	8	C90, C93, C94, C96, C131, C138, C140, C141	1nF	0805 SMD capacitor
20	2	C102, C103	470nF	1206 SMD capacitor
21	2	C108, C109	47uF/16V	SMD tantalum cap. size D
22	1	C110	NC	SMD tantalum cap. size D
23	1	C113	10uF/16V	SMD tantalum cap. size C
24	5	C116, C129, C130, C143, C144	22pF	0805 SMD capacitor
25	1	C117	10pF	0805 SMD capacitor
26	1	C118	470nF	0805 SMD capacitor
27	1	C120	10uF/35V	SMD electr. cap. 5mm
28	1	C124	33pF	0805 SMD capacitor
29	1	C125	470pF	0805 SMD capacitor
30	2	C154, C169	6-30pF	Var. comp. Murata TZB4A
31	1	DL1	LED-G0805	Green LED SMD 0805
32	1	DZ1	LM4040-10	SMD SOT23 precision Zener
33	9	D1, D2, D3, D4, D5, D6, D7, D8, D9	BAV99	Dual diode SMD SOT23
34	2	D10, D19	BAV70	Dual diode SMD SOT23
35	2	D11, D12	BAS70-04	Dual diode SMD SOT23
36	6	D13, D14, D15, D16, D17, D18	NC	Dual diode Varicap SMD SOT23
37	4	D20, D21, D30, D31	NC	Varicap diode SOD323
38	8	D22, D23, D24, D25, D26, D27, D28, D29	BB172	Varicap diode SOD323
39	9	FIX1, FIX2, FIX3, FIX4, FIX5, FIX6, FIX7, FIX8, FIX9	FIX35	3.5mm Fixing hole
40	1	HY2	ERA3SM	Hybrid MAR/ERA
41	1	HY3	MAR6SM	Hybrid MAR/ERA
42	1	JP1	CN16PD	16 way pcb conn. with holder
43	1	JP2	NC	Male strip 3 pin
44	1	JP3	NC	Male strip 2 pin
45	2	JP4, JP5	STF10S	Female strip 10 pin
46	1	JP6	STF13S	Female strip 13 pin
47	1	JP7	STF14S	Female strip 14 pin
48	8	J1, J2, J3, J4, J5, J6, J8, J9	J5MD	2 pad SMD jumper
49	1	J7	J5MDC	2 pad SMD jumper closed
50	11	L1, L2, L3, L4, L5, L6, L7, L8, L10, L13, L14	2.2uH	SMD inductor 3225 (1210)
51	1	L9	LCAVOTEX	Inductor Cable for TEX
52	2	L11, L12	15uH	SMD inductor 3225 (1210) shielded
53	1	L15	82nH	SMD inductor 3225 (1210)
54	2	OPT1, OPT2	TLP181	Optocoupler SMD SO6
55	4	Q1, Q2, Q3, Q5	BC857	PNP trans. SOT23
56	3	Q4, Q7, Q18	2N7002	Trans. FET SOT23
57	4	Q6, Q8, Q14, Q15	BC847	NPN trans. SOT23
58	3	Q9, Q10, Q11	BCR135	Digital NPN trans. SOT23
59	4	Q12, Q13, Q16, Q17	MMBFJ310	Trans. FET SOT23
60	3	RV1, RV2, RV3	1K	Trimmer Rg V 3296W
61	2	RV4, RV5	5K	Trimmer Rg V 3269W SMD
62	1	RV7	10K	Trimmer Rg V 3296W
63	2	RV8, RV10	10K	Trimmer Rg V 3269W SMD
64	1	RV9	2K	Trimmer Rg V 3269W SMD

Item	Quantity	Reference	Part	Description
65	2	R1, R7	604H0	0805 SMD res.
66	34	R2, R5, R6, R8, R11, R12, R23, R24, R25, R26, R27, R31, R32, R38, R39, R40, R46, R53, R54, R57, R59, R60, R63, R66, R67, R70, R72, R74, R115, R123, R126, R159, R160, R162	10K0	0805 SMD res.
67	10	R3, R4, R9, R10, R17, R20, R29, R37, R130, R168	10H0	0805 SMD res.
68	3	R13, R15, R35	5K49	0805 SMD res.
69	3	R14, R16, R36	6K04	0805 SMD res.
70	2	R18, R21	47K5	0805 SMD res.
71	5	R19, R22, R137, R141, R142	330H0	0805 SMD res.
72	3	R28, R76, R77	1M0	0805 SMD res.
73	2	R30, R78	33K0	0805 SMD res.
74	11	R33, R47, R49, R84, R88, R90, R105, R106, R110, R112, R122	1K0	0805 SMD res.
75	4	R34, R107, R111, R124	470K0	0805 SMD res.
76	1	R41	20K0	0805 SMD res.
77	16	R42, R43, R44, R48, R50, R82, R91, R95, R97, R99, R103, R104, R109, R114, R151, R153	4K70	0805 SMD res.
78	3	R45, R83, R157	27K4	0805 SMD res.
79	9	R51, R52, R58, R64, R65, R71, R101, R102, R127	100K0	0805 SMD res.
80	3	R55, R61, R68	12K0	0805 SMD res.
81	10	R56, R62, R69, R81, R89, R152, R158, R161, R165, R170	2K20	0805 SMD res.
82	1	R73	576H0	0805 SMD res.
83	2	R75, R94	47H0	0805 SMD res.
84	3	R79, R80, R87	4K99	0805 SMD res.
85	6	R85, R117, R133, R154, R155, R156	100H0	0805 SMD res.
86	1	R86	15K0	0805 SMD res.
87	3	R92, R93, R132	22H0	0805 SMD res.
88	5	R96, R98, R100, R125, R134	6K80	0805 SMD res.
89	1	R108	220H0	0805 SMD res.
90	1	R113	270K0	0805 SMD res.
91	2	R116, R118	3K30	0805 SMD res.
92	1	R119	390H0	0805 SMD res.
93	4	R120, R167, R169, R172	NC	0805 SMD res.
94	1	R121	8K20	0805 SMD res.
95	1	R128	56H0	0805 SMD res.
96	1	R129	330K0	0805 SMD res.
97	1	R131	150H0	0805 SMD res.
98	1	R135	68H0	0805 SMD res.
99	1	R136	1H0	0805 SMD res.
100	1	R138	82H0	0805 SMD res.
101	3	R139, R140, R143	27H0	0805 SMD res.
102	2	R144, R145	8H20	0805 SMD res.
103	1	R146	120H0	0805 SMD res.
104	4	R147, R148, R149, R150	1K20	0805 SMD res.
105	2	R163, R164	2K0	0805 SMD res.
106	1	R166	3K90	0805 SMD res.
107	1	R171	0H0	0805 SMD res.
108	1	SW1	SWDIP2	2 ways switch slide dip
109	1	TCX1	10MHz	TCXO SMD 5x3.2mm
110	2	TP1, TP2	TPSMD1	Piazzola SMD d.1mm
111	5	U1, U2, U4, U7, U12	TLO72SMD	Dual Op. SMD SO8
112	1	U3	CD4066XSMD	Analog Switch SMD SO14
113	1	U5	7407/SO	Hex buffer OC SMD SO14
114	1	U6	4053SSMD	Analog Switch SMD SO16
115	2	U8, U11	LM393SMD	Dual Comp. SMD SO8
116	2	U9, U10	LM358SMD	Dual Op. SMD SO8
117	1	U13	4094SMD	Shift Reg. SMD SO16
118	1	U14	MB15E03	Integrated PLL
119	1	U15	MC78LC33	Stab. SMD SOT23-5
120	1	U16	TLC272SMD	Dual Op. SMD SO8
121	1	U17	NC7S86	XOR Port
122	1	U18	LM7815P	Voltage reg. TO220
123	3	U19, U20, U21	ADS262BRUZZ0	Dual 256 pos. dig. pot.



PRODUCT NAME : TEX-TFT	PART NAME : DRIVER CARD 50V 10W 7DBM FM
DESIGNER : FRANCESCHI A.	DATE : 08/09/21
ARCHIVING : "RV/RUT" SERVER, "RILASCIATI" FOLDER	REVISION : 1.0
	SCALE : 2:1
	SIZE : A4
	PAGE : 1
	DI : 1
	DOCUMENT CODE : SLDR0271R03V04
	PROJECT CODE : 252

SLDR0271R03V04



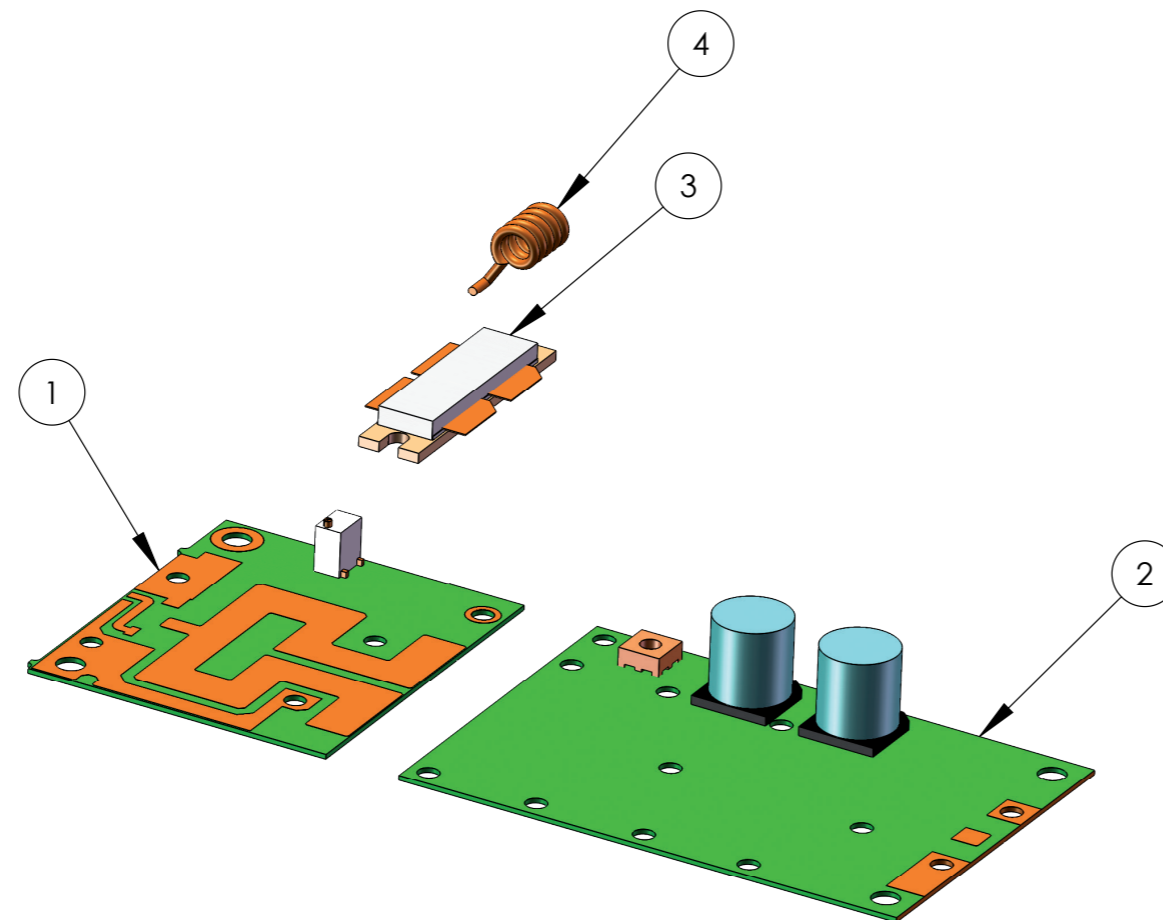
SLDR0271R03V04

Driver Card 7dBm 10W FM Revised: Thursday, May 27, 2021
 SLDR0271R03V04 Revision: 1.0
 Franceschi A.

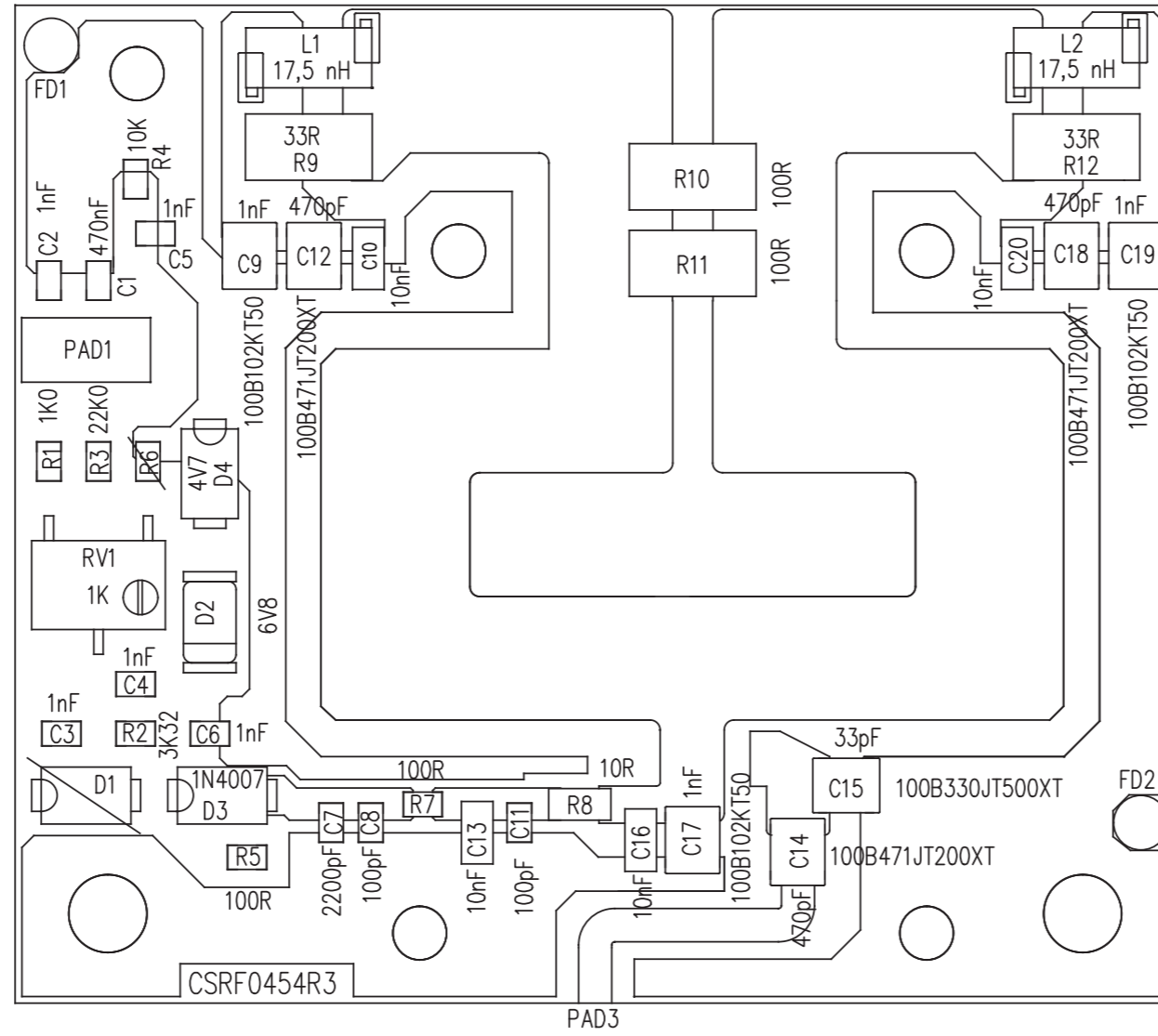
Item	Quantity	Reference	Part	Description
1	1	B1	BOX1	Shielded box
2	1	CN1	BCN_CS	BNC conn. 10x10 PCB
3	1	CN2	NC	SMB pcb conn.
4	1	CN3	SMB_CS	SMB pcb conn.
5	1	CS1	CSDR0271R3	Printed Circuit board
6	2	C1, C2	10uF/35V	SMD electr. cap. 4mm
7	7	C3, C4, C19, C24, C35, C36, C37	4.7nF	0805 SMD capacitor
8	1	C5	NC	SMD electr. cap. 6.3mm
9	1	C10	22uF/63V	SMD electr. cap. 6.3mm
10	6	C11, C12, C29, C38, C41, C42	NC	0805 SMD capacitor
11	1	C13	10pF	0805 SMD capacitor
12	3	C14, C21, C22	1uF	0805 SMD capacitor
13	1	C15	22uF/25V	SMD electr. cap. 5mm
14	5	C16, C17, C25, C44, C45	1nF	0805 SMD capacitor
15	2	C18, C27	470pF	1212 HQ SMD capacitor
16	1	C20	220nF	1210 SMD capacitor
17	3	C23, C46, C47	100nF	0805 SMD capacitor
18	1	C26	120pF	0805 SMD capacitor
19	3	C28, C30, C40	33pF	0805 SMD capacitor
20	2	C31, C32	56pF	1212 HQ SMD capacitor
21	2	C33, C34	NC	1212 HQ SMD capacitor
22	1	C39	56pF	0805 SMD capacitor
23	1	C43	4.7nF/100V	0805 SMD capacitor
24	1	C48	47uF/63V 105°	SMD electr. cap. 8mm
25	1	C49	100uF/25V	SMD electr. cap. 6.3mm
26	1	C50	220pF	0805 SMD capacitor
27	2	D1, D6	5V1	MINIMELF SMD Zener Diode
28	1	D2	NC	1W Zener Diode
29	4	D3, D4, D5, D7	BAS32	MINIMELF SMD Diode
30	1	D8	NC	MINIMELF SMD Zener Diode
31	1	D9	15V	SOD523 Zener Diode
32	6	FIX3, FIX4, FIX5, FIX6, FIX7, FIX8	FIX35	3.5mm Fixing hole
33	1	HY1	NC	Hybrid MAR/ERA
34	1	JP1	CN16PD	16 way pcb conn. with holder
35	3	J1, J2, J3	JSMD	2 pad SMD jumper
36	2	L1, L2	0.22uH	SMD inductor 3225 (1210)
37	1	L3	8 sp su d. 6	Bobina avvolta in aria
38	1	L4	NC	Bobina avvolta in aria
39	1	L5	NC	SMD inductor 3225 (1210)
40	1	L6	82nH	SMD inductor 3225 (1210)
41	1	L7	5 sp su d.4.5	Bobina avvolta in aria
42	1	L8	33nH	SMD inductor 3225 (1210)
43	1	MOS1	KKTRNMRFE6VS25NR1	RF POWER MOS
44	1	Q1	NC	NPN trans. TO220
45	1	Q4	BFU590	NPN trans. SOT223
46	1	Q5	BSP52	NPN trans. SOT223

SL246RF1001

Nr	Codice	Descrizione	Qta.
1	SLRF0454R03V01	PA RF 1250W SEZ.INPUT	1
2	SLRF0455R03V01	SL PA RF 1250W SEZ.OUTPUT	1
3	TRNBLF188XR	TRANSISTOR TRNBLF188XR	1
4	BOB01020213A	BOB.IN ARIA RAME ARG.KIT 64 REV.D	1

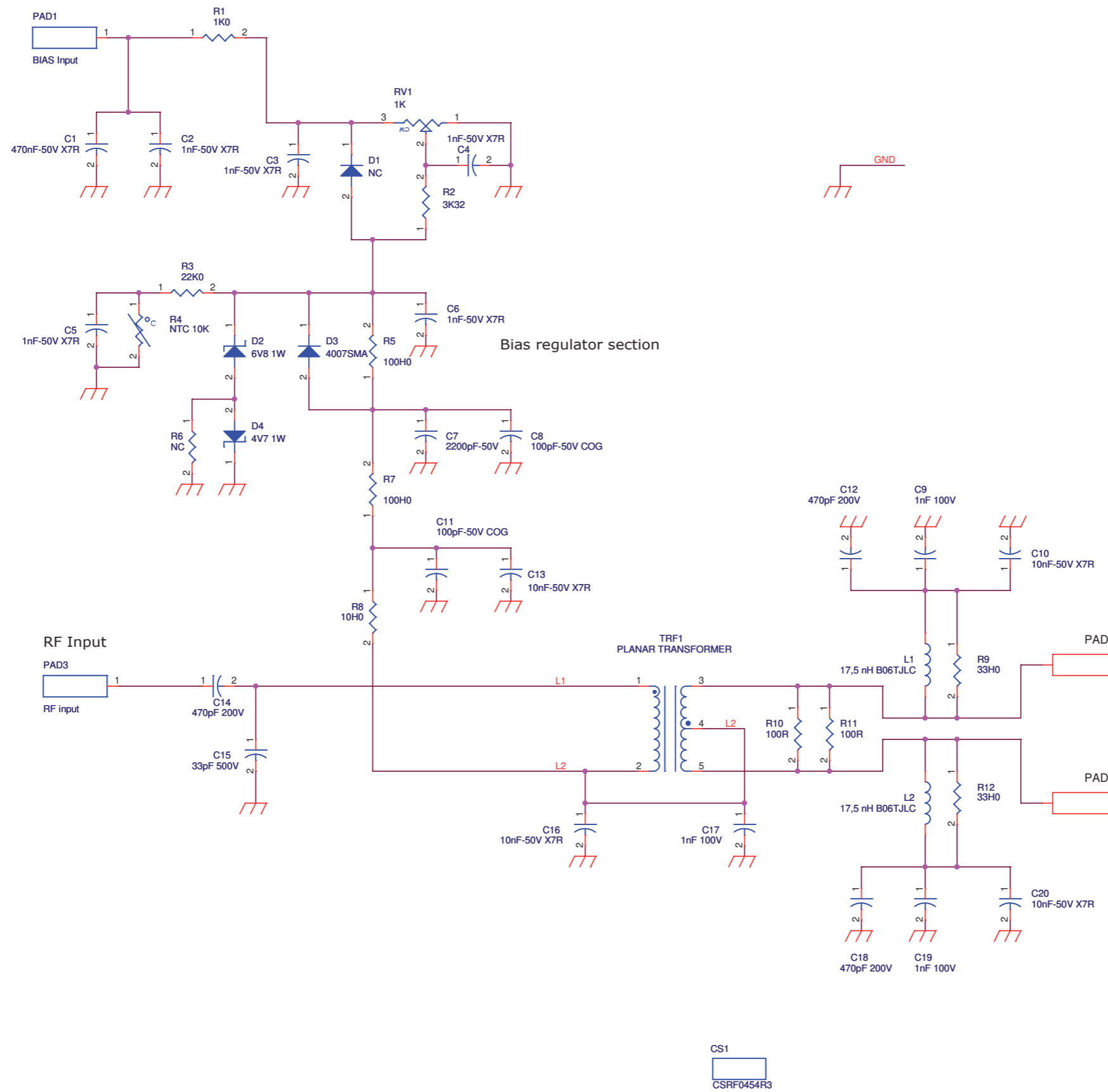


	PROFILE:	DESCRIPTION: SL PAU tex-pj1002 2019			
	MATERIAL:	CODE: SL246RF1001	AUTHOR: UT2		
GENERAL TOLERANCE UNI ISO 2768-f	TREATMENT:	DATE: 28/01/2020	PROJECT N.: XXX	TYPE:	SCALE: 1:1 FORMAT: A3 PAGE: 1/1



	PRODUCT NAME : TEX-TFT	PART NAME : RF PA 1000W BLF188 INPUT SECTION
	DESIGNER : S. RAVAGNANI	DATE 24/01/18 REVIS. : 3.0 SCALE 3:1 SIZE A3 PAGE :1 DI 1
ARCHIVING : 'RVRUT' SERVER, 'RILASCIATI' FOLDER PROJECT CODE : 246		DOCUMENT CODE : SLRF0454R03V01

SLRF0454R03V01



Description: RF PA 1000W BLF188 INPUT		
Designer: S. RAVAGNANI	Size: A3	Page: 1 of 1
Part No.: SLRF0454R03V01	Rev.: 1.2	Date: 24/05/2022

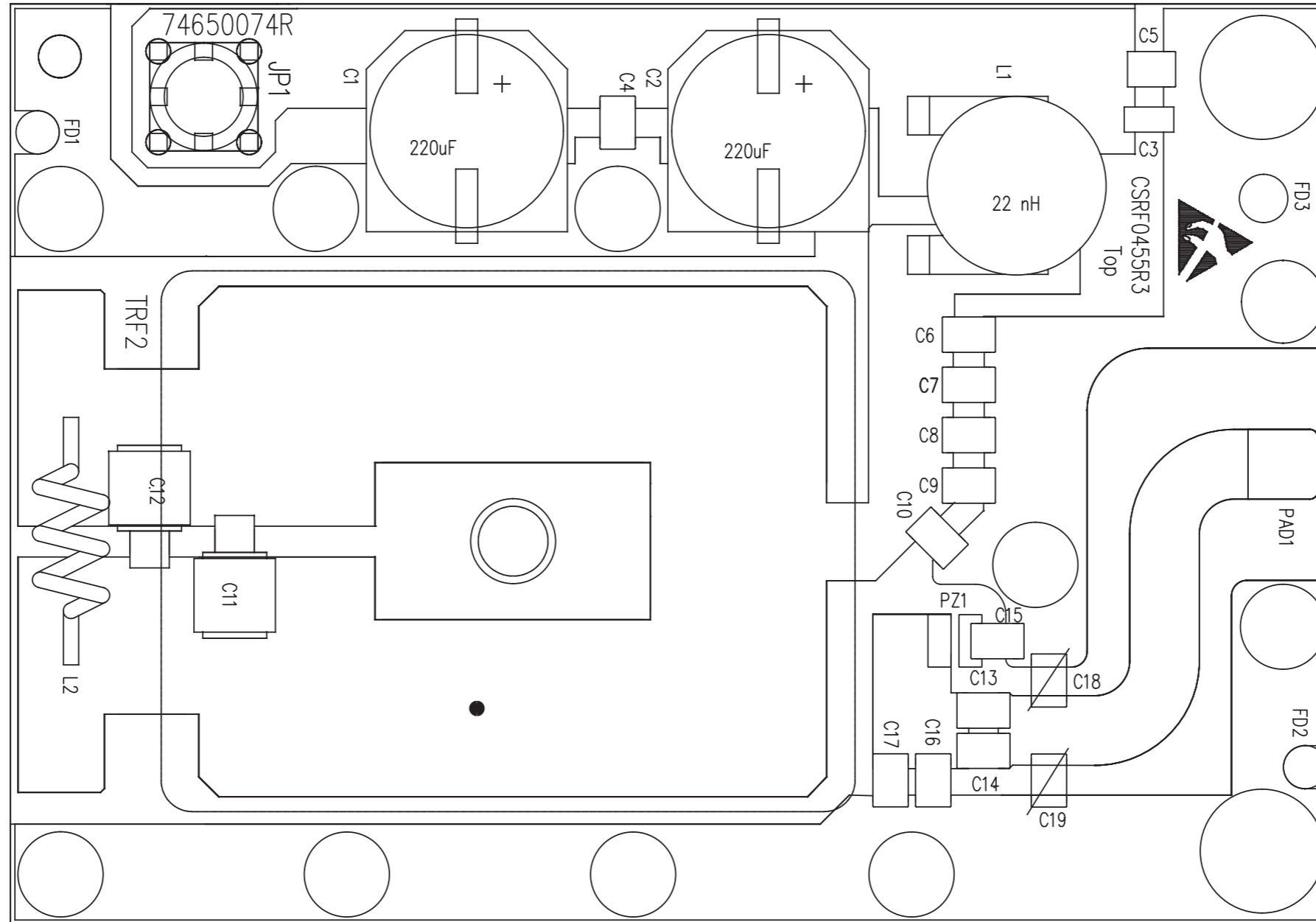



SLRF0454R03V01

RF PA 1000W BLF188 INPUT Revised: 24/05/2022
 SLRF0454R03V01 Revision: 1.2
 S.RAVAGNANI

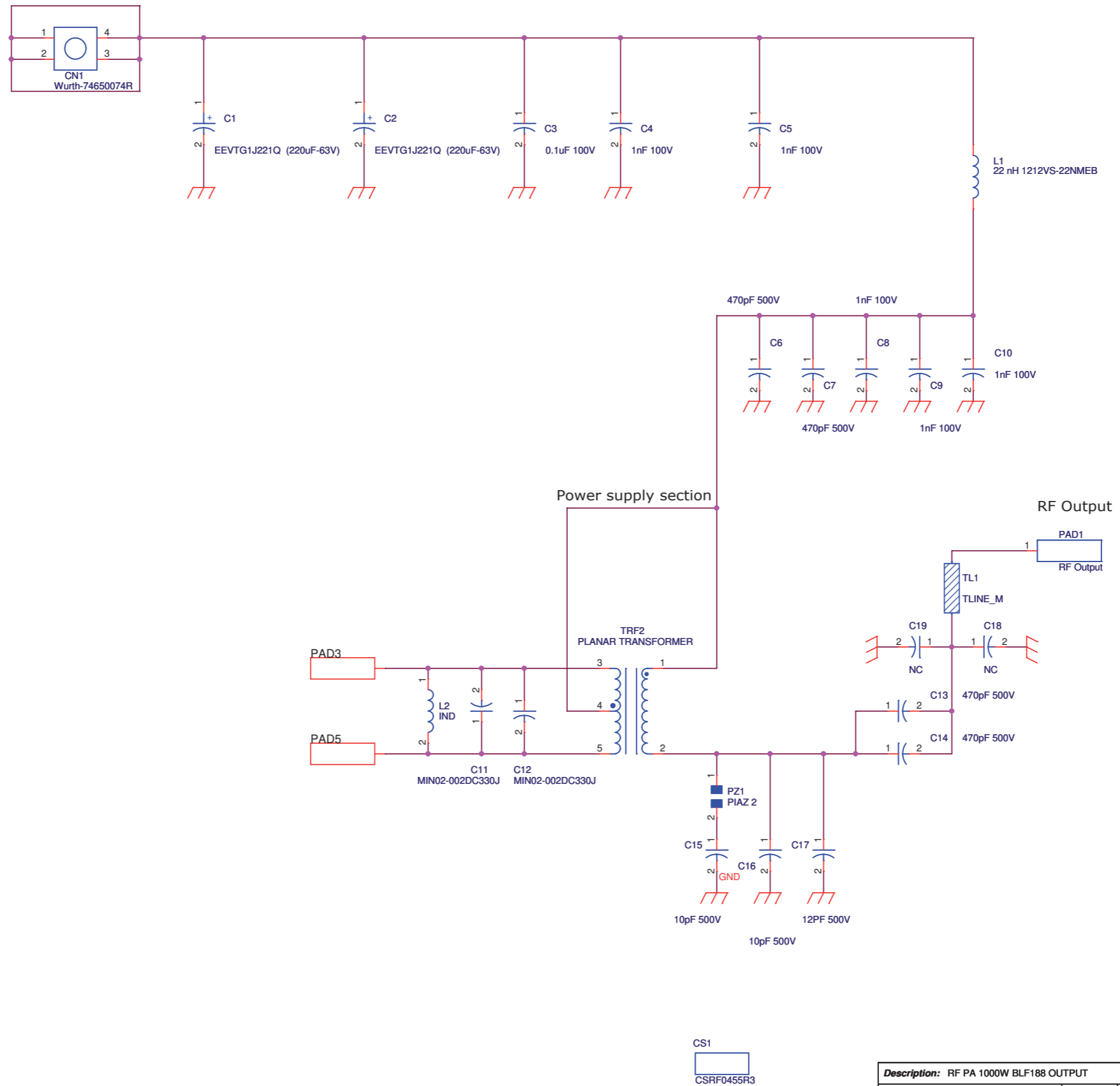
Item	Quantity	Reference	Part	Description
1	1	CS1	CSRF0454R3	Printed Circuit board
2	1	C1	470nF-50V X7R	0805 SMD capacitor
3	5	C2, C3, C4, C5, C6	1nF-50V X7R	0805 SMD capacitor
4	1	C7	2200pF-50V	0805 COG SMD capacitor
5	2	C8, C11	100pF-50V COG	0805 COG SMD capacitor
6	3	C9, C17, C19	1nF 100V	1212 HQ SMD capacitor
7	4	C10, C13, C16, C20	10nF-50V X7R	1206 SMD capacitor
8	3	C12, C14, C18	470pF 200V	1212 HQ SMD capacitor
9	1	C15	33pF 500V	1212 HQ SMD capacitor
10	1	D1	NC	SMD diode cont. SMA
11	1	D2	6V8 1W	MELF SMD Zener Diode
12	1	D3	4007SMA	SMD diode cont. SMA
13	1	D4	4V7 1W	SMA SMD Zener Diode
14	2	L1, L2	17,5 nH B06TJLC	SMD inductor 2512
15	1	PAD1	BIAS Input	SMD pad
16	1	PAD3	RF input	SMD pad
17	1	RV1	1K	Trimmer Rg V 3269W SMD
18	1	R1	1K0	0805 1% SMD res.
19	1	R2	3K32	0805 1% SMD res.
20	1	R3	22K0	0805 1% SMD res.
21	1	R4	NTC 10K	NTC resistor SMD 0805
22	2	R5, R7	100H0	0805 1% SMD res.
23	1	R6	NC	1206 1% SMD res.
24	1	R8	10H0	1206 1% SMD res.
25	2	R9, R12	33H0	2512 5% SMD res.
26	2	R10, R11	100R	2512 1% SMD res.
27	1	TRF1	PLANAR TRANSFORMER	Strip Line

SLRF0455R03V01



	PRODUCT NAME : TEX-TFT	PART NAME : RF PA 1000W BLF188 OUTPUT SECTION
	DESIGNER : S. RAVAGNANI	DATE 24/01/18 REVIS. : 3.0 SCALE 3:1 SIZE A3 PAGE :1 DI 1
	ARCHIVING : 'RVRUT' SERVER, 'RILASCIATI' FOLDER	PROJECT CODE : 246 DOCUMENT CODE : SLRF0455R03V01

SLRF0455R03V01



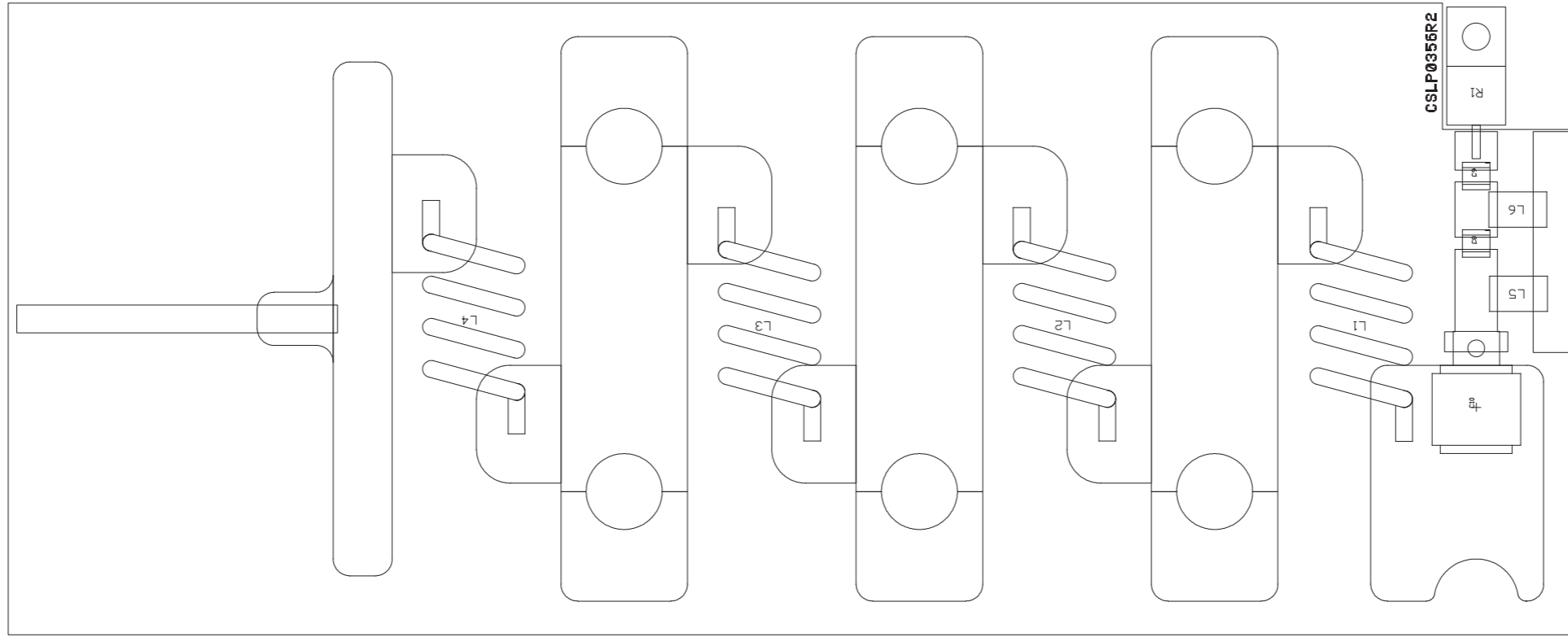
Description: RF PA 1000W BLF188 OUTPUT		
Designer: S.RAVAGNANI	Size: A3	Page: 1 of 1
Part No.: SLRF0455R03V01	Rev.: 1.2	Date: 24/05/2022



SLRF0455R03V01

RF PA 1000W BLF188 OUTPUT Revised: 24/05/2022
 SLRF0455R03V01 Revision: 1.2
 S.RAVAGNANI

Item	Quantity	Reference	Part	Description
1	1	CN1	Wurth-74650074R	Power screw conn. 4pin WE 74650074R
2	1	CS1	CSRF0455R3	Printed Circuit board
3	2	C1, C2	EEVTG1J221Q (220uF-63V)	SMD electr, cap. 12,5mm
4	1	C3	0.1uF 100V	1206 SMD capacitor
5	5	C4, C5, C8, C9, C10	1nF 100V	1212 HQ SMD capacitor
6	4	C6, C7, C13, C14	470pF 500V	1212 HQ SMD capacitor
7	2	C11, C12	MIN02-002DC330J	Silver mica capacitor SEMCO
8	2	C15, C16	10pF 500V	1212 HQ SMD capacitor
9	1	C17	12PF 500V	1212 HQ SMD capacitor
10	2	C18, C19	NC	1212 HQ SMD capacitor
11	1	L1	22 nH 1212VS-22NMEB	Power inductor 1212VS series
12	1	L2	IND	Custom Inductor
13	1	PAD1	RF Output	SMD pad
14	1	PZ1	PIAZ 2	
15	1	TL1	TLINE_M	Strip Line
16	1	TRF2	PLANAR TRANSFORMER	Strip Line



PRODUCT NAME : TEX1002TFT

DESIGNER : FRANCESCHI A.

ARCHIVING : "RVUT" SERVER, "RILASCIATI" FOLDER

PART NAME : LOW PASS FILTER FM TEX1002TFT

DATE : 02-04-21

REVISION : 1.1

SCALE : 1:1

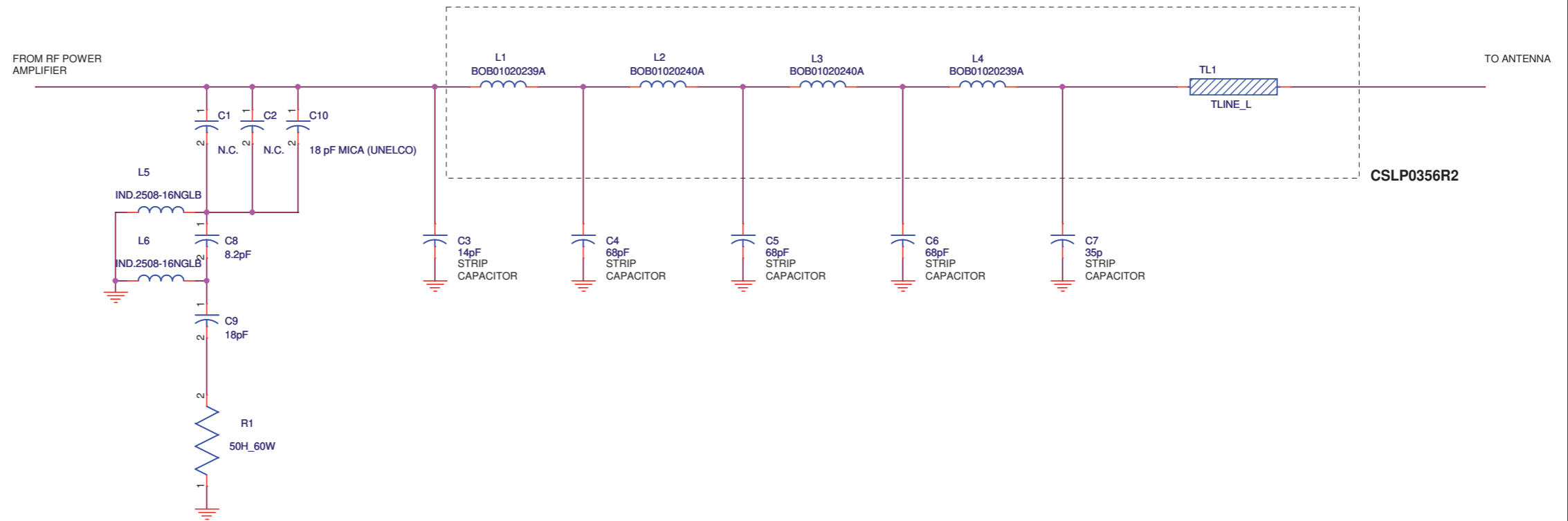
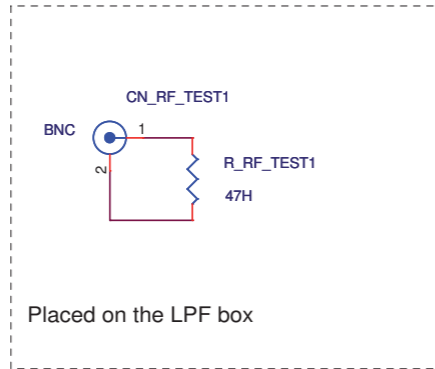
SIZE : A4

PAGE : 1

DI : 1

DOCUMENT CODE : SLLP0356R02V01

SLLP0356R02V01



Description: Low Pass Filter FM TEX1002		
Designer: Franceschi A.	Size: A3	Page: 1 of 1
Part No.: SLLP0356R02V01	Rev. 1.1	Date: 02/04/2021



SLLP0356R02V01

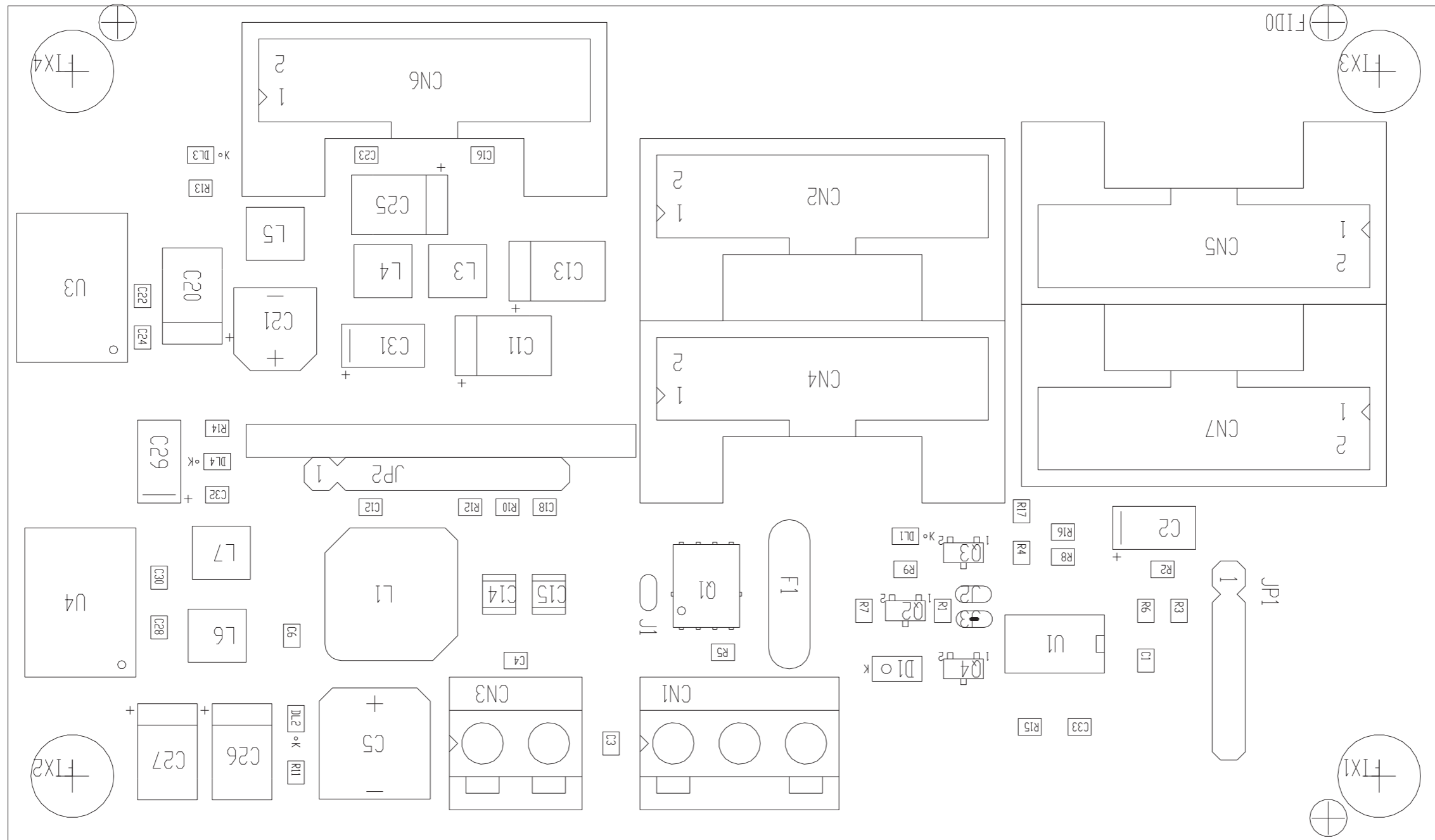
Low Pass Filter FM TEX1002 Revised: 02/04/2021

SLLP0356R02V01 Revision: 1.1

Franceschi A.

Item	Quantity	Reference	Part	Description
1	1	CN_RF_TEST1	BNC	
2	1	CS1	CSLP0356R2	Circuito stampato
3	1	C1, C2	N.C.	Cond. SMD 1212 HQ
4	1	C3	14pF	STRIP CAPACITOR
5	3	C4, C5, C6	68pF	STRIP CAPACITOR
6	1	C7	35p	STRIP CAPACITOR
7	1	C8	8.2pF	Cond. SMD 1212 HQ
8	1	C9	18pF	Cond. SMD 1212 HQ
9	1	C10	18 pF MICA (UNELCO)	
10	2	L1, L4	BOB01020239A	
11	2	L2, L3	BOB01020240A	
12	2	L5, L6	IND.2508-16NGLB	
13	1	R_RF_TEST1	47H	
14	1	R1	50H_60W	Resistenza KDI 1 fix
15	1	TL1	TLINE_L	Linea strip CS

SLIN0493R02V01



PRODUCT NAME : TEX-TFT

DESIGNER : TOMMASI, FRANCESCHI

PART NAME : INTER.FPS & FAN-CTRL

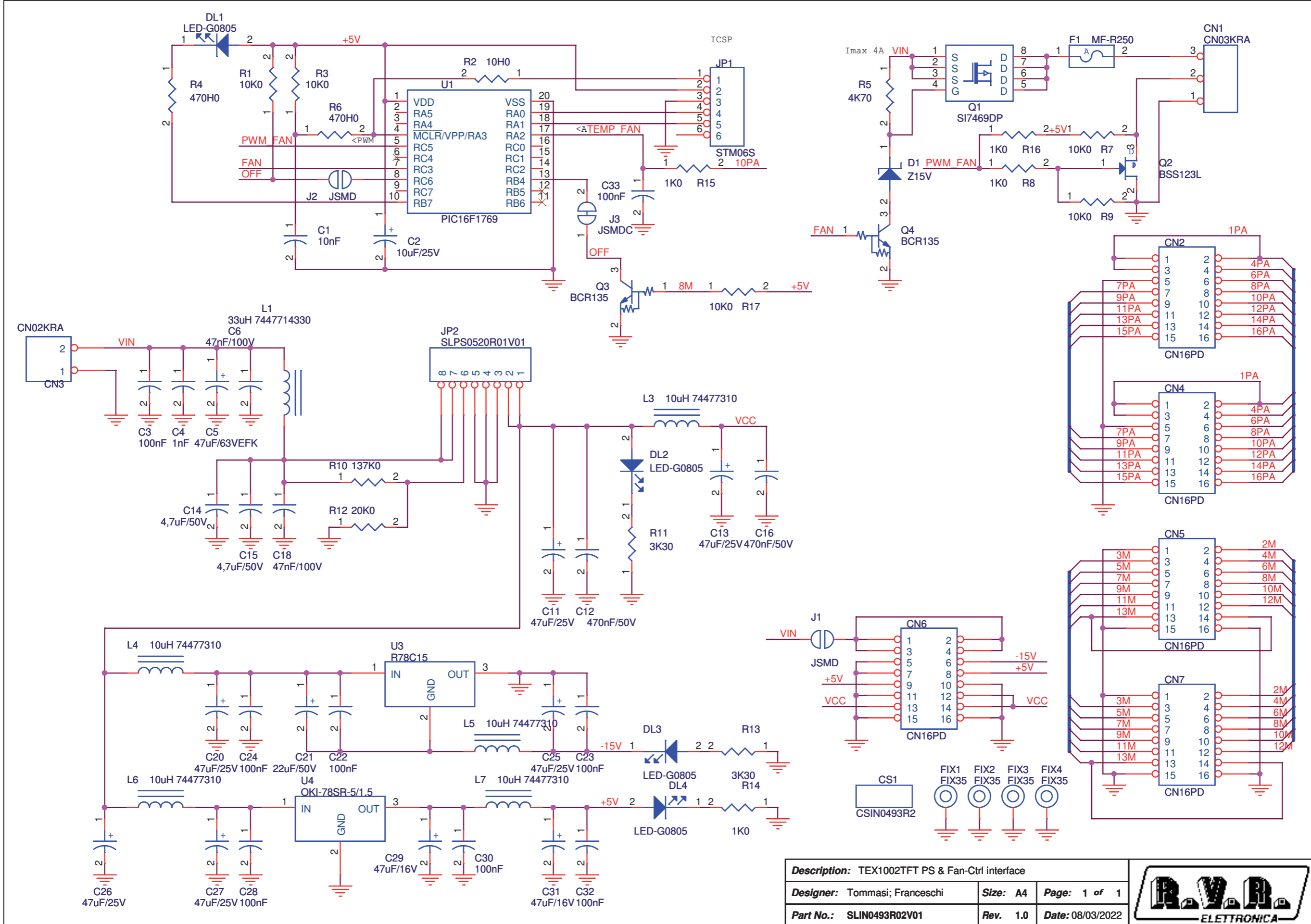
DATE : 10/11/21 | REVISION : 1.0 | SCALE : 2:1 | SIZE : A4 | PAGE : 1 | DI 1

ARCHIVING : "RVRUT" SERVER, "RILASCIATI" FOLDER

PROJECT CODE : 252

DOCUMENT CODE : SLIN0493R02V01

SLIN0493R02V01



Description: TEX1002TFT PS & Fan-Ctrl interface		
Designer: Tommasi; Franceschi	Size: A4	Page: 1 of 1
Part No.: SLIN0493R02V01	Rev. 1.0	Date: 08/03/2022



SLIN0493R02V01

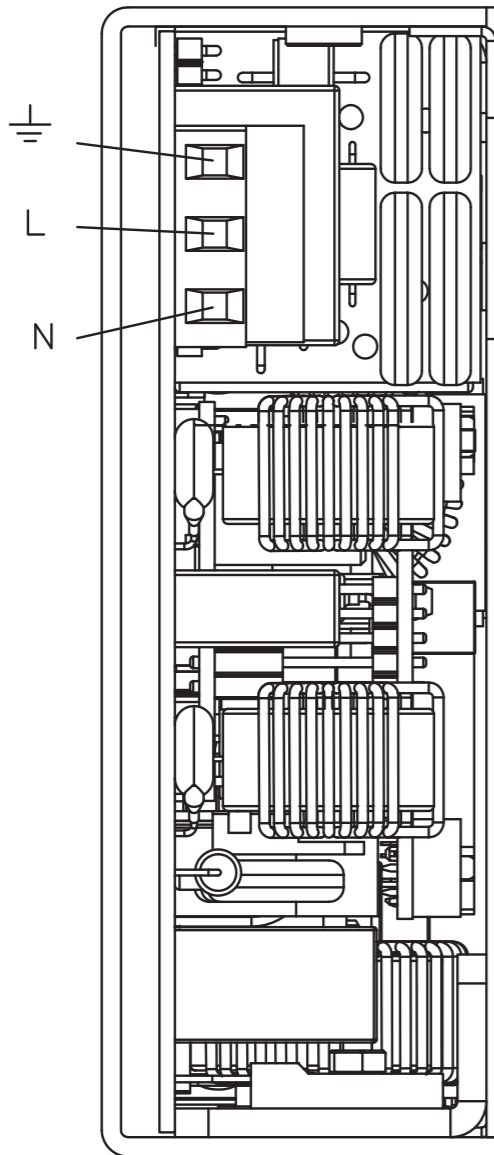
TEX1002TFT PS & Fan-Ctrl interface Revised: 08/03/2022
 SLIN0493R02V01 Revision: 1.0
 Tommasi; Franceschi

Item	Quantity	Reference	Part	Description
1	1	CN1	CN03KRA	KRA conn. 3 way
2	5	CN2, CN4, CN5, CN6, CN7	CN16PD	16 way pcb conn. with holder
3	1	CN3	CN02KRA	KRA Conn. a 2 poli
4	1	CS1	CSIN0493R2	Printed Circuit board
5	1	C1	10nF	0805 SMD capacitor
6	1	C2	10uF/25V	SMD tantalium cap. size C
7	8	C3, C22, C23, C24, C28, C30, C32, C33	100nF	0805 SMD capacitor
8	1	C4	1nF	0805 SMD capacitor
9	1	C5	47uF/63VEFK	SMD electr, cap. 8mm
10	2	C6, C18	47nF/100V	0805 SMD capacitor
11	6	C11, C13, C20, C25, C26, C27	47uF/25V	SMD tantalium cap. size D
12	2	C12, C16	470nF/50V	0805 SMD capacitor
13	2	C14, C15	4,7uF/50V	1210 SMD capacitor
14	1	C21	22uF/50V	SMD electr, cap. 6.3mm
15	2	C29, C31	47uF/16V	SMD tantalium cap. size C
16	4	DL1, DL2, DL3, DL4	LED-G0805	Green LED SMD 0805
17	1	D1	Z15V	MINIMELF SMD Zener Diode
18	4	FIX1, FIX2, FIX3, FIX4	FIX35	3.5mm Fixing hole
19	1	F1	MF-R250	self-res. fuse RXE p5,1mm
20	1	JP1	STM06S	Male strip 6 pin
21	1	JP2	SLPS0520R01V01	Switching PS Board
22	2	J1, J2	JSMD	2 pad SMD jumper
23	1	J3	JSMDC	2 pad SMD jumper closed
24	1	L1	33uH 7447714330	Wurth PD10xx series inductor
25	5	L3, L4, L5, L6, L7	10uH 74477310	SMD Vertical Ind. WE PD2 series
26	1	Q1	SI7469DP	P-Channel 80-V (D-S) MOSFET
27	1	Q2	BSS123L	Trans. FET SOT23
28	2	Q3, Q4	BCR135	Digital NPN trans. SOT23
29	5	R1, R3, R7, R9, R17	10K0	0805 1% SMD res.
30	1	R2	10H0	0805 1% SMD res.
31	2	R4, R6	470H0	0805 1% SMD res.
32	1	R5	4K70	0805 1% SMD res.
33	4	R8, R14, R15, R16	1K0	0805 1% SMD res.
34	1	R10	137K0	0805 1% SMD res.
35	2	R11, R13	3K30	0805 1% SMD res.
36	1	R12	20K0	0805 1% SMD res.
37	1	U1	PIC16F1769	SSOP 8bit microcontroller
38	1	U3	R78C15	Switch. voltage reg. SIP3
39	1	U4	OKI-78SR-5/1.5	Switch. voltage reg. SIP3

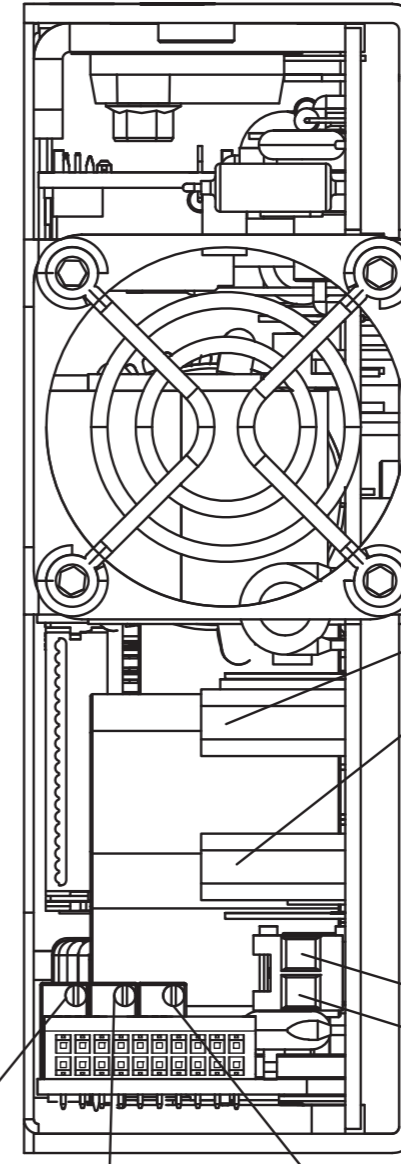
PSL4248

CONNECTION PSL4248

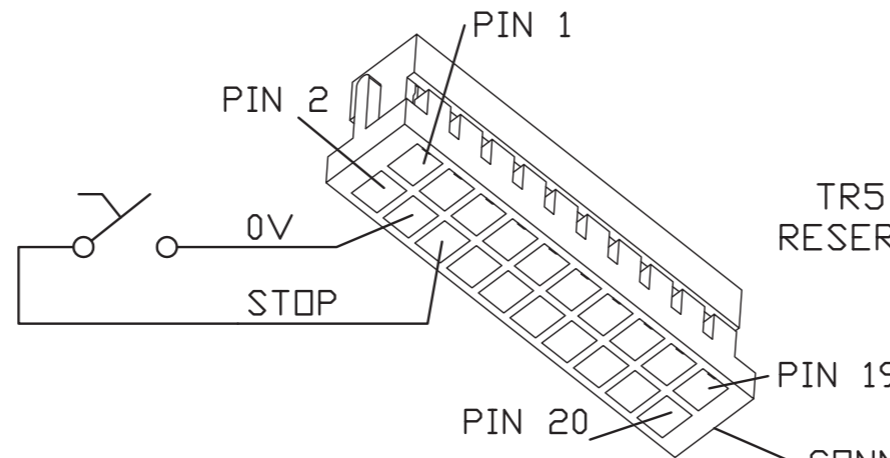
INPUT: 100-240V
MAX 12A



	PIN		
FOLD_BCK	2	1	INH_IN <INIBIT TO GND>
0V	4	3	I_OUT 10A/1V
STOP_IN <STOP TO GND>	6	5	STBY
LINE_KO_OC	8	7	WARN_OC
TR- <RS-485>	10	9	TR+ <RS-485>
0V	12	11	SHARE-BAS
EXTV_ADJ	14	13	0V
SENS-	16	15	SENS-
NC	18	17	0V
SENS+	20	19	NC



PWR V-
PWR V+
OUTPUT:
42-48V
MAX
1900W
AUX +
AUX -
AUX: 24V
MAX 4A
ISOLATION MAX
500VDC



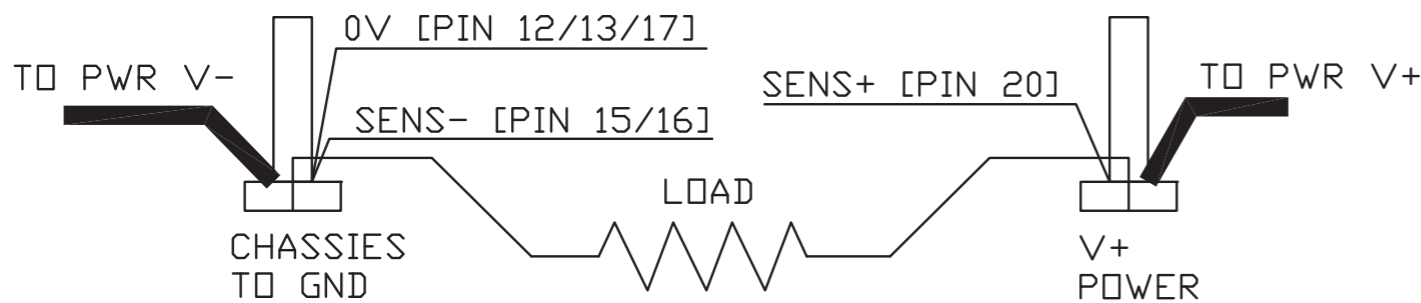
TR5
RESERVED

TR1
FOLDBACK

TR3
VOLTAGE
ADJ

CONNECTOR MODEL: HRS DF11-20DS-2C
CONTACT MODEL: HRS DF11-2428SC

AUX CONNECTOR MODEL: AMP MOD I 280590
AUX CONTACT MODEL: AMP MODU 181299-1



1

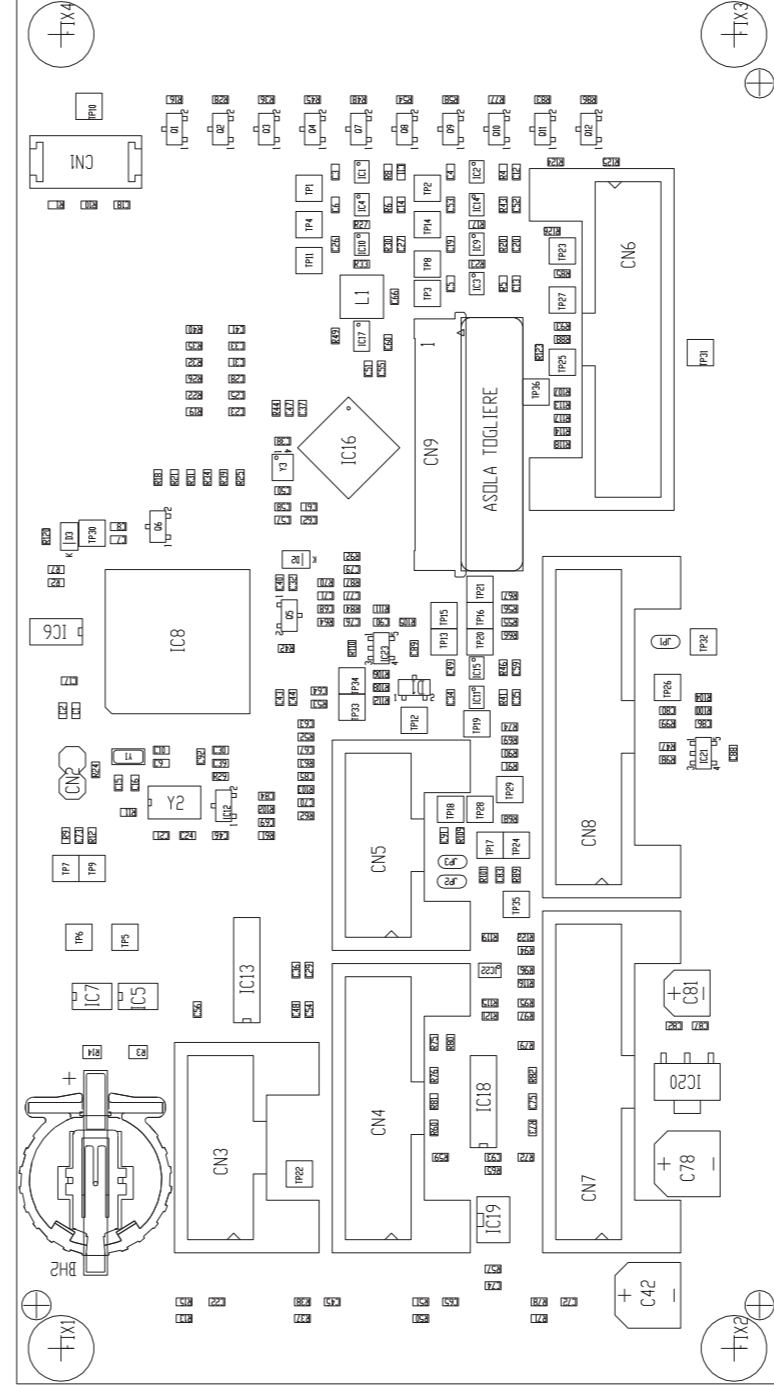
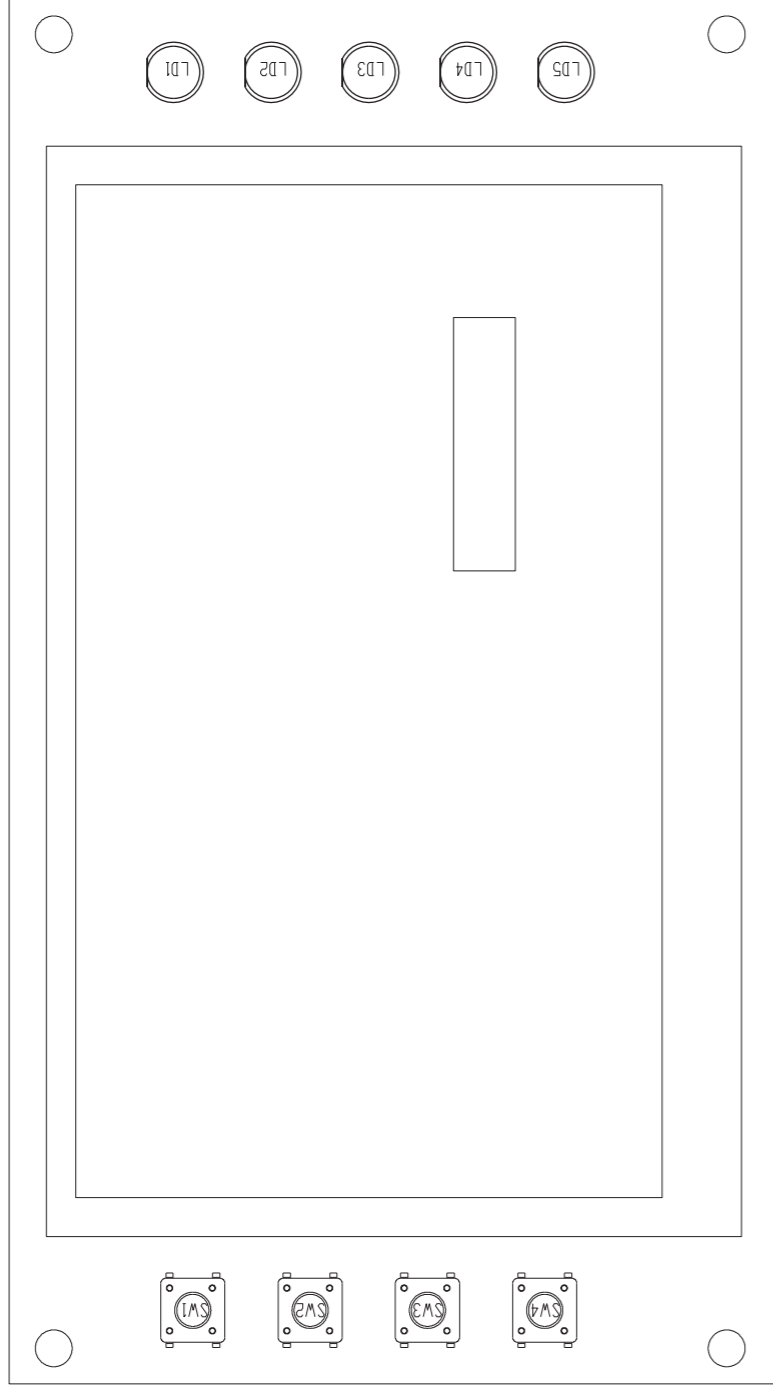
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WEIGHT:

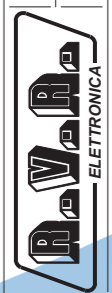
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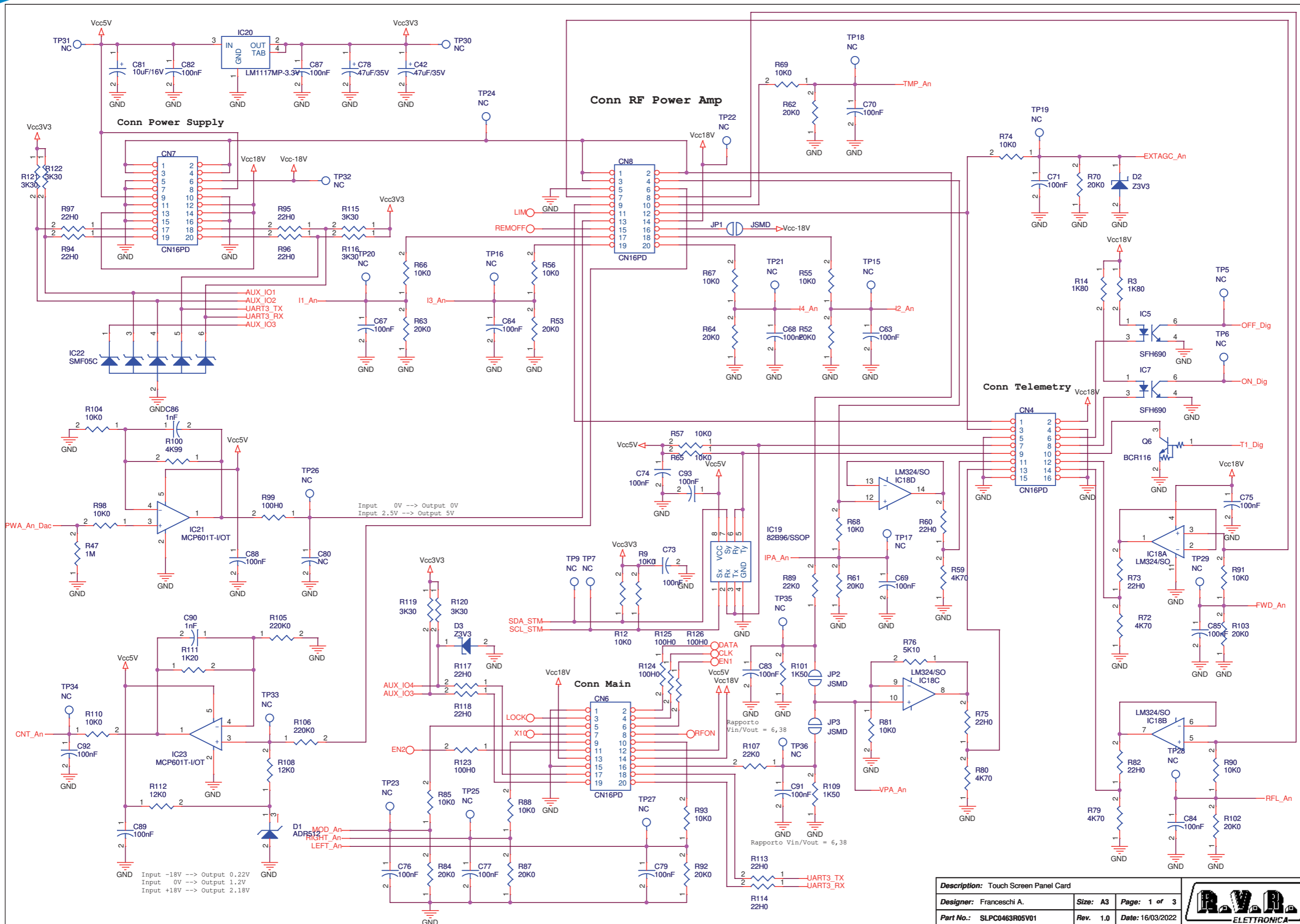
SHEET 1 OF 1

SLPC0463R05V01



PRODUCT NAME : TEX-TFT	PART NAME : Touch Screen Panel Card
DESIGNER : FRANCESCHI A.	DATE : 16/03/22
ARCHIVING : "RVPUT" SERVER, "RILASCIATI" FOLDER	REVISION : 1.0
PROJECT CODE : 252	SCALE : 1:1
	SIZE : A4
	PAGE : 1
	DI : 1
	DOCUMENT CODE : SLPC0463R05V**

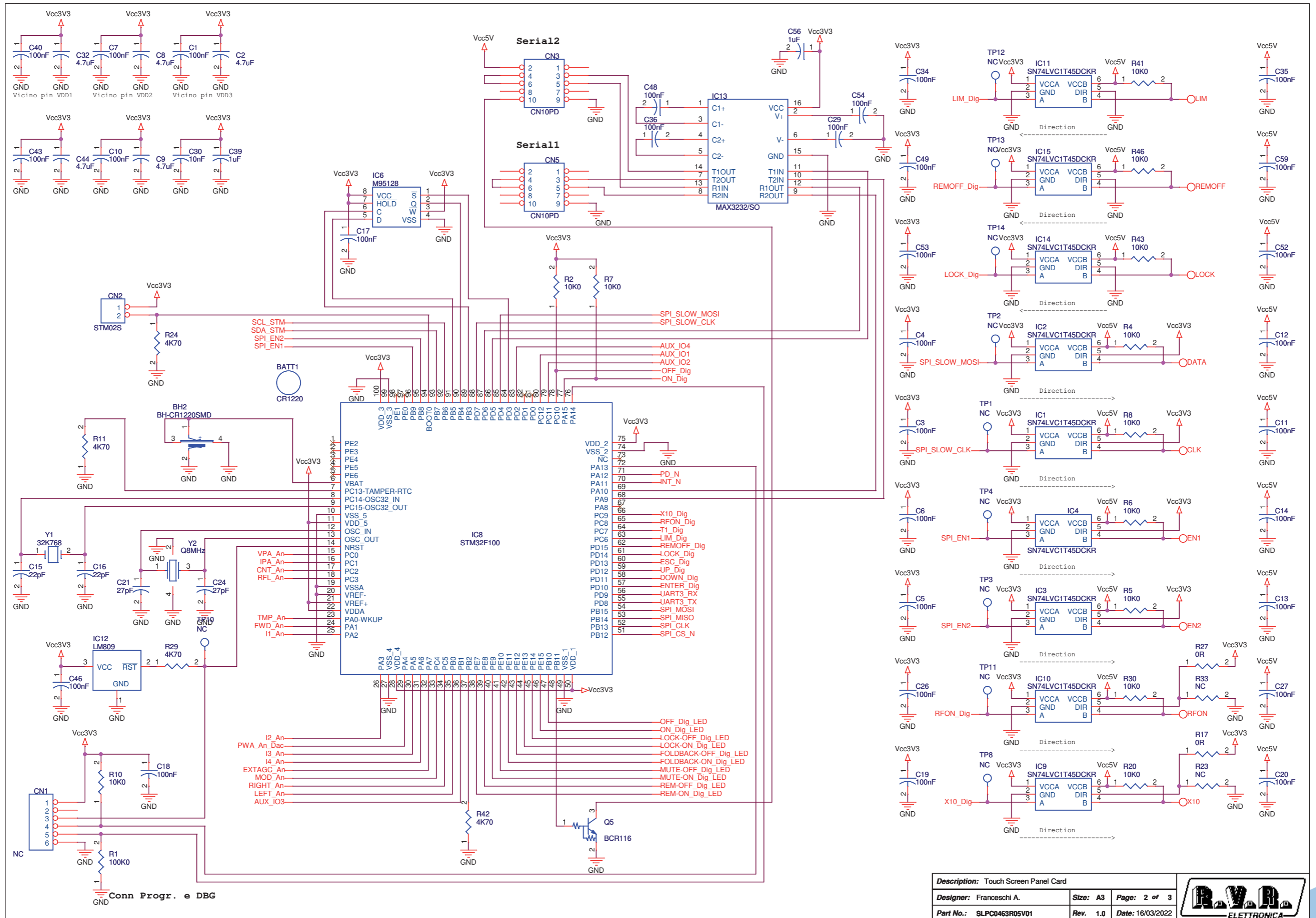




Description: Touch Screen Panel Card		
Designer: Franceschi A.	Size: A3	Page: 1 of 3
Part No.: SLPC0463R05V01	Rev. 1.0	Date: 16/03/2022

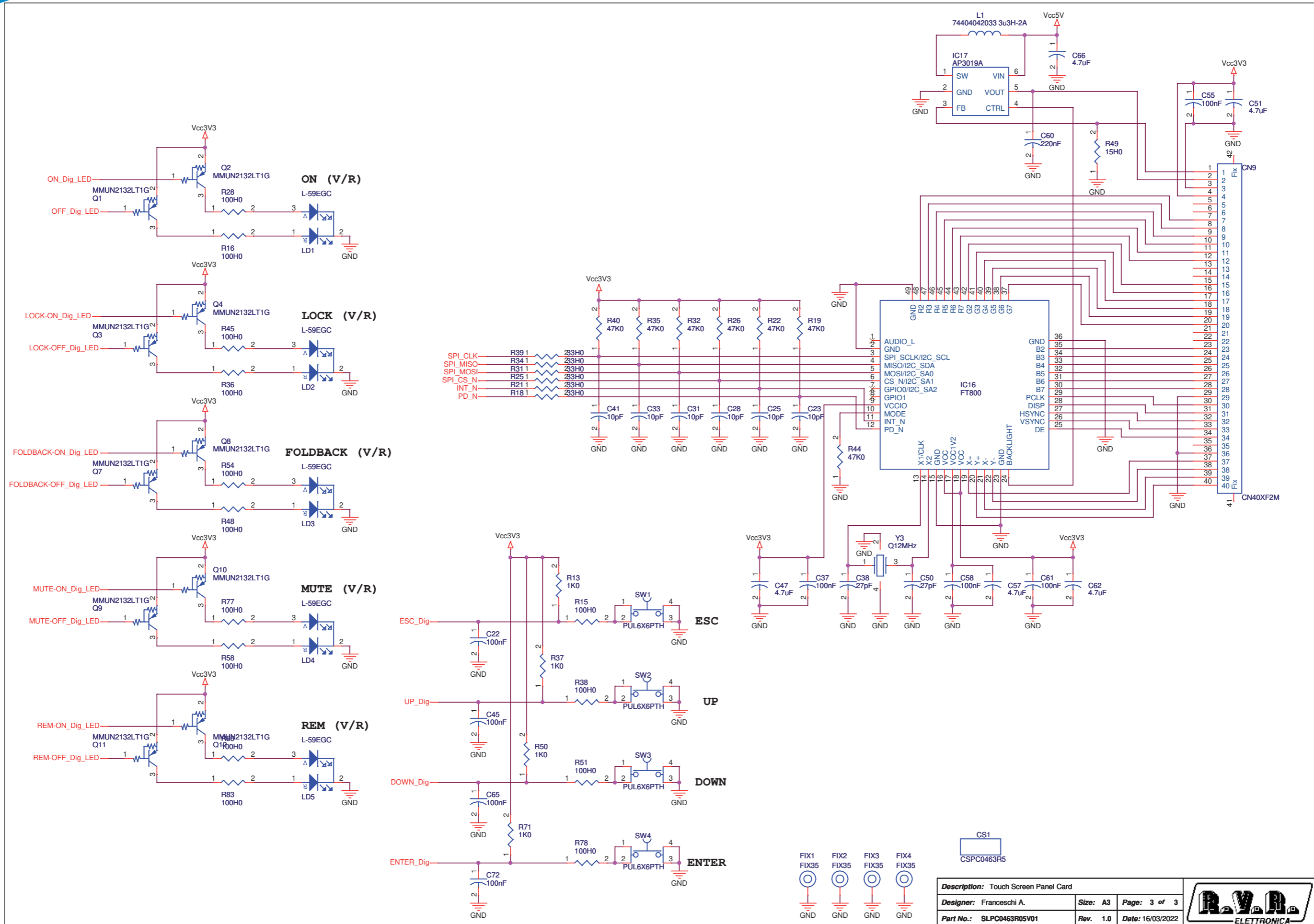


SLPC0463R05V01



Description: Touch Screen Panel Card		
Designer: Franceschi A.	Size: A3	Page: 2 of 3
Part No.: SLPC0463R05V01	Rev.: 1.0	Date: 16/03/2022





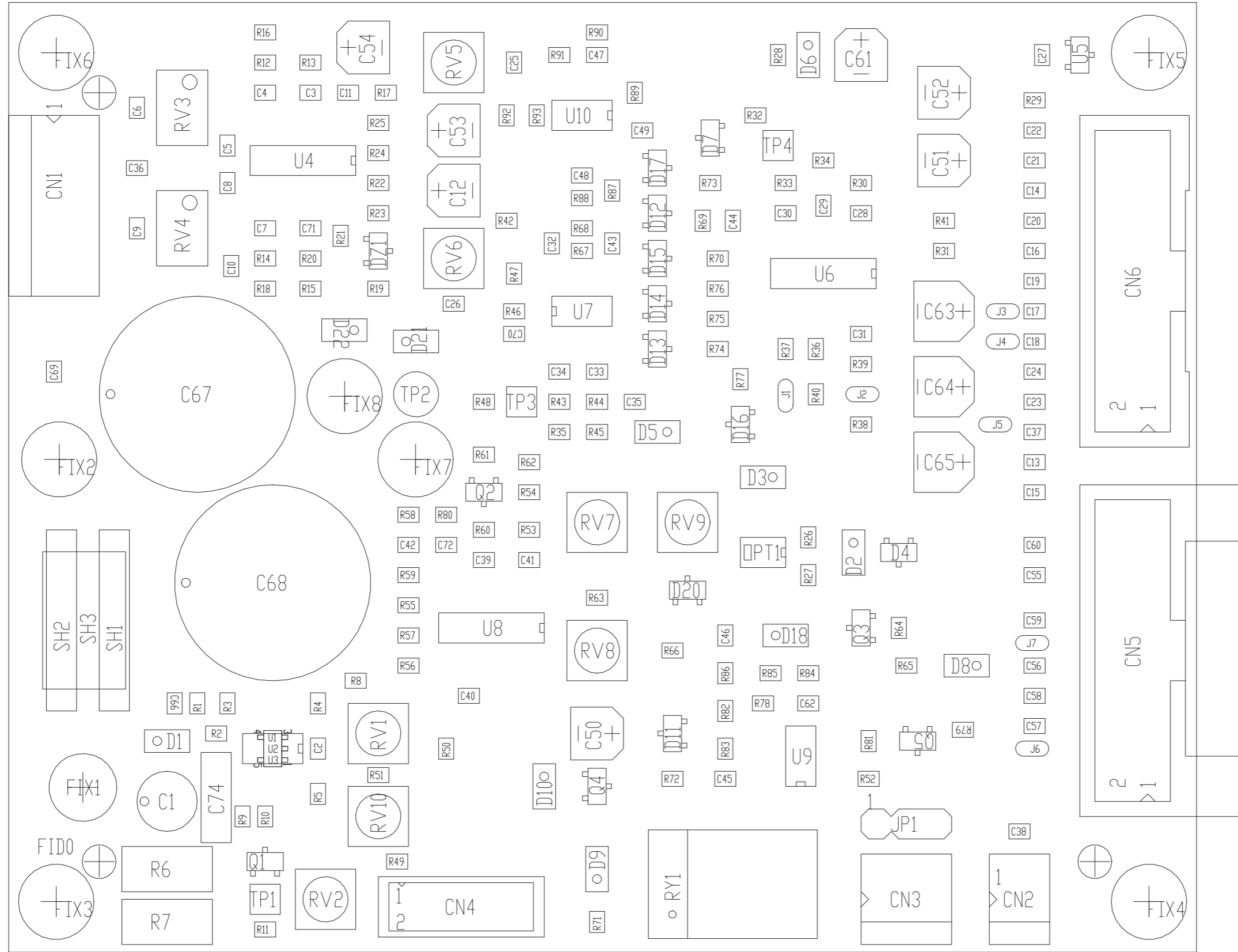
Description: Touch Screen Panel Card		
Designer: Franceschi A.	Size: A3	Page: 3 of 3
Part No.: SLPC0463R05V01	Rev.: 1.0	Date: 16/03/2022



SLPC0463R05V01

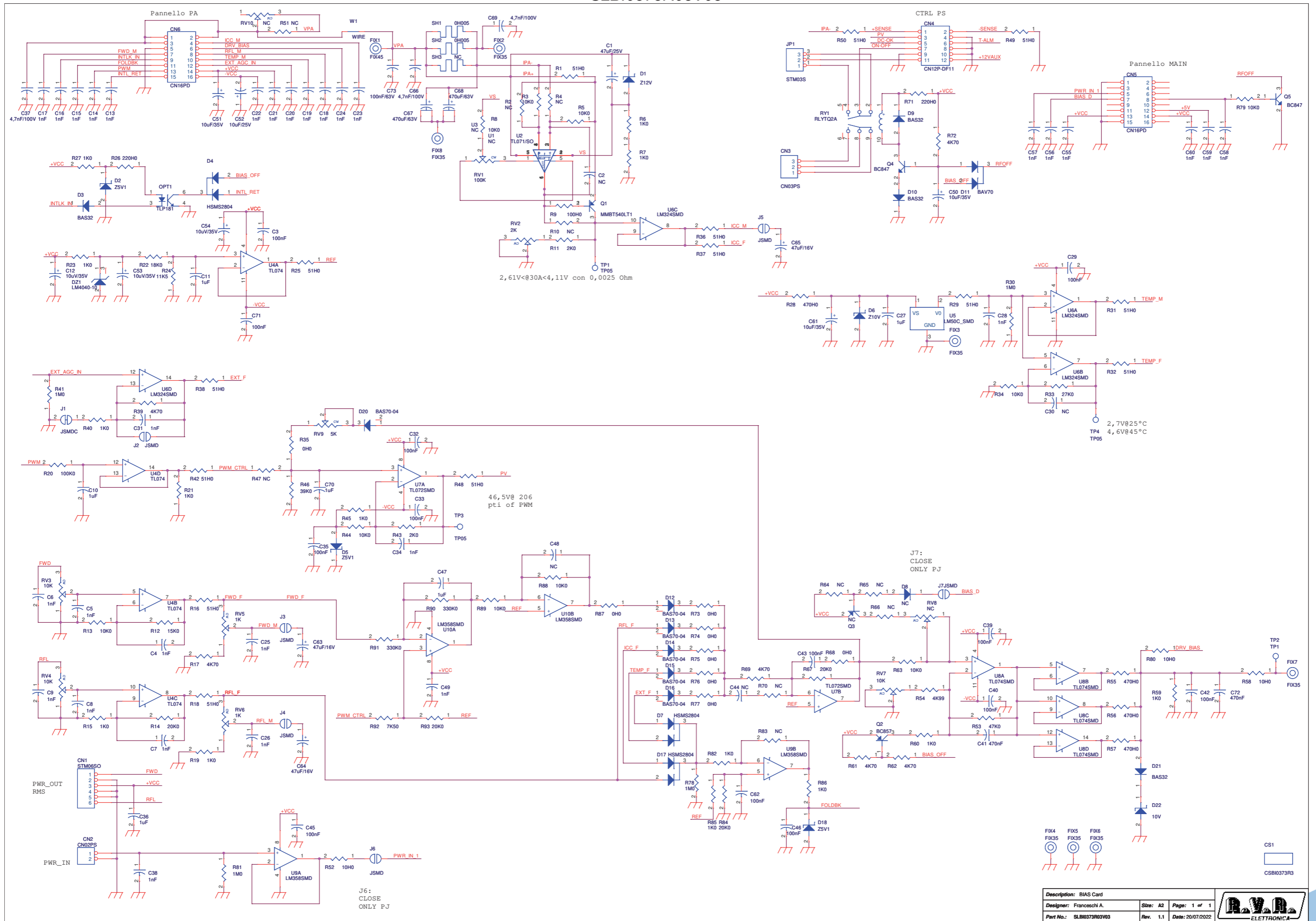
Touch Screen Panel Card Revised: 16/03/2022
 SLPC0463R05V01 Revision: 1.0
 Franceschi A.

Item	Quantity	Reference	Part	Description
1	1	BATT1	CR1220	CR1220 Lithium Battery
2	1	BH2	BH-CR1220SMD	CR1220 SMD Battery holder
3	1	CN1	NC	6 way PTH Micromatch connector
4	1	CN2	STM02S	Male strip 2 pin
5	2	CN3, CN5	CN10PD	10 way pcb conn.
6	1	CN4	CN16PD	16 way pcb conn.
7	3	CN6, CN7, CN8	CN16PD	16 way pcb conn.
8	1	CN9	CN40XF2M	40 way ZIF conn. pitch 0,5mm
9	1	CS1	CSPC0463R4	Printed Circuit board
10	61	C1, C3, C4, C5, C6, C7, C10, C11, C12, C13, C14, C17, C18, C19, C20, C22, C26, C27, C29, C34, C35, C36, C37, C40, C43, C45, C46, C48, C49, C52, C53, C54, C55, C58, C59, C61, C63, C64, C65, C67, C68, C69, C70, C71, C72, C73, C74, C75, C76, C77, C79, C82, C83, C84, C85, C87, C88, C89, C91, C92, C93	100nF	0603 SMD capacitor
11	10	C2, C8, C9, C32, C44, C47, C51, C57, C62, C66	4.7uF	0603 SMD capacitor
12	2	C15, C16	22pF	0603 SMD capacitor
13	4	C21, C24, C38, C50	27pF	0603 SMD capacitor
14	6	C23, C25, C28, C31, C33, C41	10pF	0603 SMD capacitor
15	1	C30	10nF	0603 SMD capacitor
16	2	C39, C56	1uF	0603 SMD capacitor
17	2	C42, C78	47uF/35V	SMD electr, cap. 6.3mm
18	1	C60	220nF	0603 SMD capacitor
19	1	C80	NC	0603 SMD capacitor
20	1	C81	10uF/16V	SMD electr, cap. 4mm
21	2	C86, C90	1nF	0603 SMD capacitor
22	1	D1	ADR512	SMD SOT23 precision Zener
23	2	D2, D3	Z3V3	SOD123F Zener Diode
24	4	FIX1, FIX2, FIX3, FIX4	FIX35	3.5mm Fixing hole
25	9	IC1, IC2, IC3, IC4, IC9, IC10, IC11, IC14, IC15	SN74LVC1T45DCKR	Bidirect. level translator
26	2	IC5, IC7	SFH690	Optocoupler SMD SO6
27	1	IC6	M95128	SMD Serial EEPROM
28	1	IC8	STM32F100	STM32F100 Microcontroller
29	1	IC12	LM809-2.93	uC supervisor
30	1	IC13	MAX3232/SO	SO16 RS232 driver
31	1	IC16	FT800	Display controller
32	1	IC17	AP3019A	Switching LED driver
33	1	IC18	LM324/SO	Quad Op. SMD SO14
34	1	IC19	82B96/SSOP	SMD IIC Bus driver
35	1	IC20	LM1117MP-3.3V	Voltage reg. SMD SOT223
36	2	IC21, IC23	MCP601T-I/OT	Single Op Amp SOT23-5
37	1	IC22	SMF05C	TVS Diode array
38	3	JP1, JP2, JP3	J5MD	2 pad SMD jumper
39	5	LD1, LD2, LD3, LD4, LD5	L-59EGC	Two-color led common Cathode 5mm
40	1	L1	74404042033 3u3H-2A	WE LQ540 series inductor
41	10	Q1, Q2, Q3, Q4, Q7, Q8, Q9, Q10, Q11, Q12	MMUN2132LT1G	Digital PNP trans. SOT23
42	2	Q5, Q6	BCR116	Digital NPN trans. SOT23
43	1	R1	100K0	0603 SMD res.
44	32	R2, R4, R5, R6, R7, R8, R9, R10, R12, R20, R30, R41, R43, R46, R55, R56, R57, R65, R66, R67, R68, R69, R74, R81, R85, R88, R90, R91, R93, R98, R104, R110	10K0	0603 SMD res.
45	2	R3, R14	1K80	0805 SMD res.
46	8	R11, R24, R29, R42, R59, R72, R79, R80	4K70	0603 SMD res.
47	4	R13, R37, R50, R71	1K0	0603 SMD res.
48	19	R15, R16, R28, R36, R38, R45, R48, R51, R54, R58, R77, R78, R83, R86, R99, R123, R124, R125, R126	100H0	0603 SMD res.
49	2	R17, R27	0R	0603 SMD res.
50	6	R18, R21, R25, R31, R34, R39	33H0	0603 SMD res.
51	7	R19, R22, R26, R32, R35, R40, R44	47K0	0603 SMD res.
52	2	R23, R33	NC	0603 SMD res.
53	1	R47	1M	0603 SMD res.
54	1	R49	15H0	0603 SMD res.
55	12	R52, R53, R61, R62, R63, R64, R70, R84, R87, R92, R102, R103	20K0	0603 SMD res.
56	12	R60, R73, R75, R82, R94, R95, R96, R97, R113, R114, R117, R118	22H0	0603 SMD res.
57	1	R76	5K10	0603 SMD res.
58	2	R89, R107	22K0	0603 SMD res.
59	1	R100	4K99	0603 SMD res.
60	2	R101, R109	1K50	0603 SMD res.
61	2	R105, R106	220K0	0603 SMD res.
62	2	R108, R112	12K0	0603 SMD res.
63	1	R111	1K20	0603 SMD res.
64	6	R115, R116, R119, R120, R121, R122	3K30	0603 SMD res.
65	4	SW1, SW2, SW3, SW4	PUL6X6PTH	PCB PTH pushbutton
66	36	TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP12, TP13, TP14, TP15, TP16, TP17, TP18, TP19, TP20, TP21, TP22, TP23, TP24, TP25, TP26, TP27, TP28, TP29, TP30, TP31, TP32, TP33, TP34, TP35, TP36	NC	Test point
67	1	Y1	32K768	SMD Crystal 3.2x1.5 mm
68	1	Y2	Q8MHz	SMD Crystal NX5032SA
69	1	Y3	Q12MHz	SMD Crystal 2x2.5 mm



PRODUCT NAME : TEX1002TFT	PART NAME : BIAS CARD
DESIGNER : FRANCESCHI A.	DATE : 13/09/16
ARCHIVING : "RVRUT" SERVER, "RILASCIATI" FOLDER	REVISION : 1.0
	SCALE : 2:1
	SIZE : A4
	PAGE : 1
	DI : 1
	DOCUMENT CODE : SLBI0373R03V**
	PROJECT CODE : 252

SLBI0373R03V03



Description: BIAS Card		Size: A2	Page: 1 of 1
Designer: Franceschi A.		Rev: 1.1	Date: 20/07/2022
Part No.: SLBI0373R03V03			

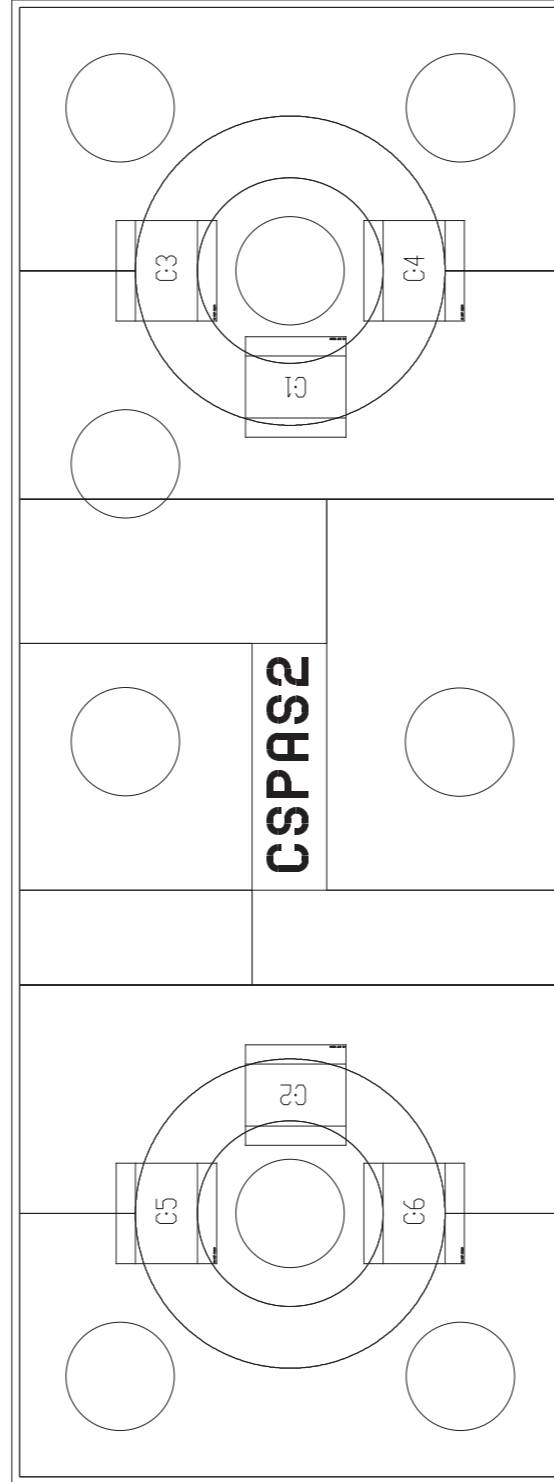
SLBI0373R03V03

Bias Card Revised: 20/07/2022
 SLBI0373R03V03 Revision: 1.1
 Franceschi A.

Item	Quantity	Reference	Part	DESCRIPTION
1	1	CN1	STM06SO	Strip maschio 6 pin 90°
2	1	CN2	CN02PS	Connettore 2 poli WR-WTB
3	1	JP1	STM03S	STRIP MASCHIO 3 PIN
4	1	CS1	CSBI0373R3	Circuito stampato
5	1	C1	47uF/25V	Cond. Elettr. Dia 5 P2.54
6	4	C2, C30, C44, C48	NC	Cond. SMD 0805
7	13	C3, C29, C32, C33, C35, C39, C40, C42, C43, C45, C46, C62, C71	100nF	Cond. SMD 0805
8	31	C4, C5, C6, C7, C8, C9, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C28, C31, C34, C38, C49, C55, C56, C57, C58, C59, C60	1nF	Cond. SMD 0805
9	6	C10, C11, C27, C36, C47, C70	1uF	Cond. SMD 0805
10	6	C12, C53, C54, C50, C51, C61	10uF/35V	Cond. Elettr. SMD d. 4mm
11	3	C37, C66, C69	4,7nF/100V	Cond. SMD 0805
12	2	C41, C72	470nF	Cond. SMD 0805
13	1	C52	10uF/25V	Cond. Elettr. SMD d. 4mm
14	3	C63, C64, C65	47uF/16V	Cond. Elettr. SMD d. 5mm
15	2	C68, C67	470uF/63V	Cond. Elettr. Dia 16 P5 o 7.5
16	1	DZ1	LM4040-10	Diode Zener SMD SOT23
17	1	D1	Z12V	MINIMELF SMD Zener Diode
18	3	D2, D5, D18	Z5V1	MINIMELF SMD Zener Diode
19	4	D3, D9, D10, D21	BAS32	MINIMELF SMD Diode
20	3	D4, D7, D17	BAS70-05	Doppio Diode SMD SOT23
21	1	D6, D22	10V	MINIMELF SMD Zener Diode
22	1	D8	NC	MINIMELF SMD Diode
23	1	D11	BAV70	Doppio Diode SMD SOT23
24	6	D12, D13, D14, D15, D16, D20	BAS70	Diode SMD SOT23
25	1	FIX1	FIX45	Foro fissaggio 4.5mm
26	7	FIX2, FIX3, FIX4, FIX5, FIX6, FIX7, FIX8	FIX35	Foro fissaggio 3.5mm
27	1	CN4	CN12P-DF11	Connettore 12 poli DF11 12pin p. 2mm
28	2	CN5, CN6	CN16PD	Conn.M.C.S.Dritto 16P alette.
29	1	CN3	CN03PS	Connettore 3 poli WR-WTB
30	1	J1	JSMD	Pad SMD a saldare chiuso
31	6	J2, J3, J4, J5, J6, J7	JSMD	Pad SMD a saldare
32	1	OPT1	TLP181	Optoisolatore SMD SO6
33	1	Q1	MMBT540LT1	Trans. PNP SOT23
34	1	Q2	BC857	Trans. PNP SOT23
35	1	Q3	NC	Trans. PNP SOT23
36	2	Q5, Q4	BC847	Trans. NPN SOT23
37	1	RV1	100K	Trimmer SMD
38	1	RV2	2K	Trimmer SMD
39	2	RV4, RV3	10K	Trimmer Rg V 3269W SMD
40	2	RV5, RV6	1K	Trimmer SMD
41	1	RV7	10K	Trimmer SMD
42	1	RV9	5K	Trimmer SMD
43	2	RV8, RV10	NC	Trimmer SMD
44	1	RY1	RLYTQ2A	Rele' TQ2
45	14	R1, R16, R18, R25, R29, R31, R32, R36, R37, R38, R42, R48, R49, R50	51H0	Res. SMD 0805 1%
46	8	R2, R4, R10, R47, R64, R65, R66, R70, R83	NC	Res. SMD 0805 1%
47	10	R3, R5, R8, R13, R34, R44, R63, R88, R89, R79	10K0	Res. SMD 0805 1%
48	3	R6, R7, R59	1K0	Res. SMD 2512 1%
49	1	R9	100H0	Res. SMD 0805 1%
50	2	R43, R11	2K0	Res. SMD 0805 1%
51	1	R12	15K0	Res. SMD 0805 1%

Item	Quantity	Reference	Part	DESCRIPTION
52	11	R15, R19, R21, R23, R27, R40, R45, R60, R82, R85, R86	1K0	Res. SMD 0805 1%
53	5	R14, R53, R67, R84, R93	20K0	Res. SMD 0805 1%
54	6	R17, R39, R61, R62, R69, R72	4K70	Res. SMD 0805 1%
55	1	R20	100K0	Res. SMD 0805 1%
56	1	R22	18K0	Res. SMD 0805 1%
57	1	R24	11K5	Res. SMD 0805 1%
58	2	R71, R26	220H0	Res. SMD 0805 1%
59	4	R28, R55, R56, R57	470H0	Res. SMD 0805 1%
60	4	R30, R41, R78, R81	1M0	Res. SMD 0805 1%
61	1	R33	27K0	Res. SMD 0805 1%
62	8	R35, R68, R73, R74, R75, R76, R77, R87	0H0	Res. SMD 0805 1%
63	1	R46	39K0	Res. SMD 0805 1%
65	1	R51	NC	Res. SMD 0805 1%
66	1	R54	4K99	Res. SMD 0805 1%
67	3	R52, R58, R80	10H0	Res. SMD 0805 1%
68	2	R90, R91	330K0	Res. SMD 0805 1%
69	1	R92	7K50	Res. SMD 0805 1%
70	2	SH2, SH1	0H005	Shunt OAR 3W
71	1	SH3	NC	Shunt WSR2..3 3W
72	3	TP1, TP3, TP4	TP05	Test point
73	1	TP2	TP1	Test point
74	1	U1	NC	High side current sense
75	1	U2	TL071/SO	Single Op. SMD SO8
76	1	U3	NC	Single Op Amp SOT23-5
77	1	U4, U8	TL074	Quad Op. SMD SO14
78	1	U5	LM50C_SMD	Temperature sensor
79	1	U6	LM324SMD	Quad Op. SMD SO14
80	1	U7	TL072SMD	Dual Op. SMD SO8
81	2	U9, U10	LM358SMD	Dual Op. SMD SO8
82	1	C73	100nF/63V	Cond. Poliestere
83	1	W1	WIRE	Wiring

SL241FI1001



PRODUCT NAME : TEX1002LCD

DESIGNER : FRANCESCHI A.

ARCHIVING : "RVRUT" SERVER, "RILASCIATI" FOLDER

PART NAME : PASS THROUGH FILTER

DATE : 07/05/20

REVISION : 1.1

SCALE : 3:1

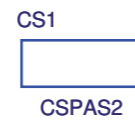
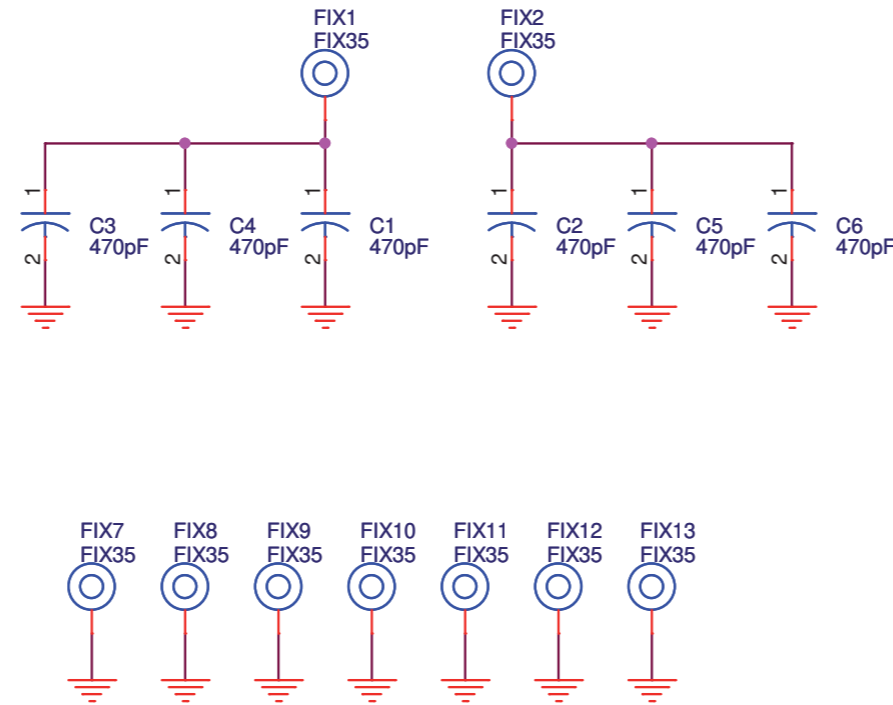
SIZE : A4

PAGE : 1

DI : 1

DOCUMENT CODE : SL241FI1001

PROJECT CODE : 241

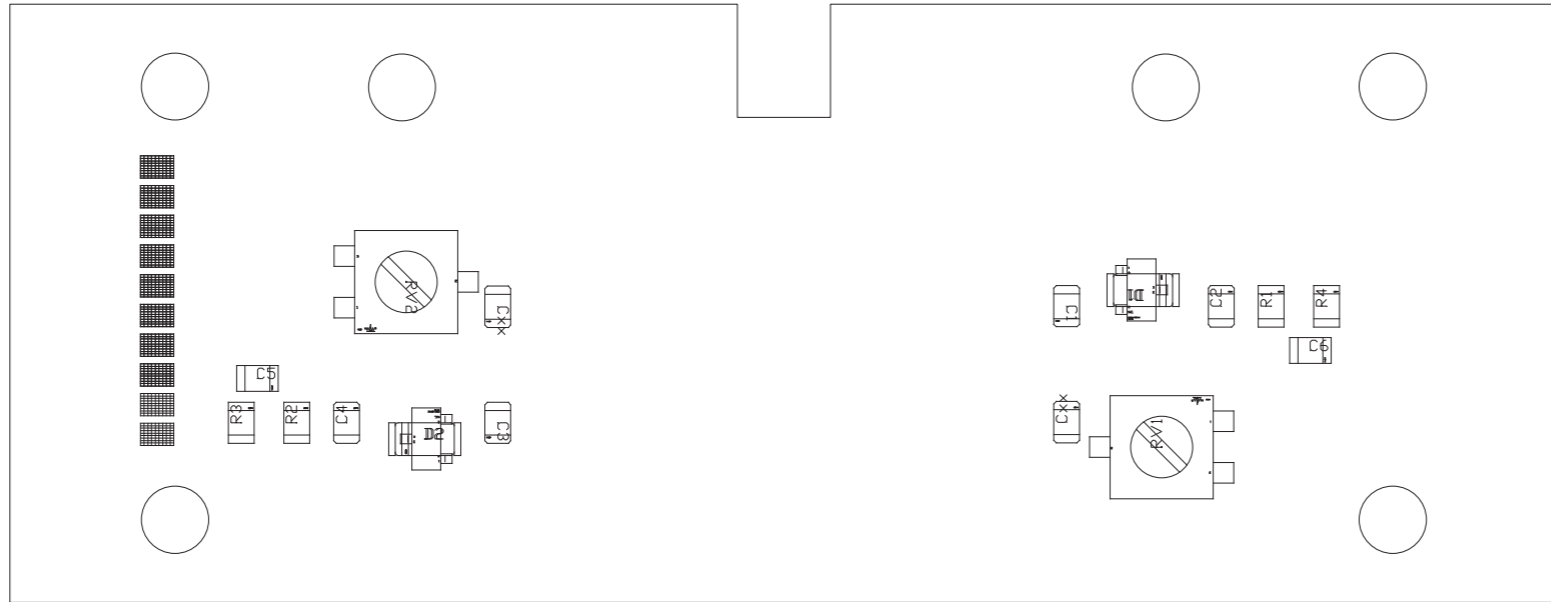


Description: Pass Through Filter			
Designer: Franceschi A.	Size: A4	Page: 1 of 1	
Part No.: SL241FI1001	Rev.: 1.1	Date: 12/3/2015	

SL241FI1001

Pass Through Filter Revised: 12/03/2015
 SL241FI1001 Revision: 1.1
 Franceschi A.

Item	Quantity	Reference	Part	DESCRIPTION
1	1	CS1	CSPAS2	Circuito stampato
2	6	C1, C2, C3, C4, C5, C6	470pF	Cond. SMD 1212 HQ
3	9	FIX1, FIX2, FIX7, FIX8, FIX9, FIX10, FIX11, FIX12, FIX13	FIX35	Foro fissaggio 3.5mm

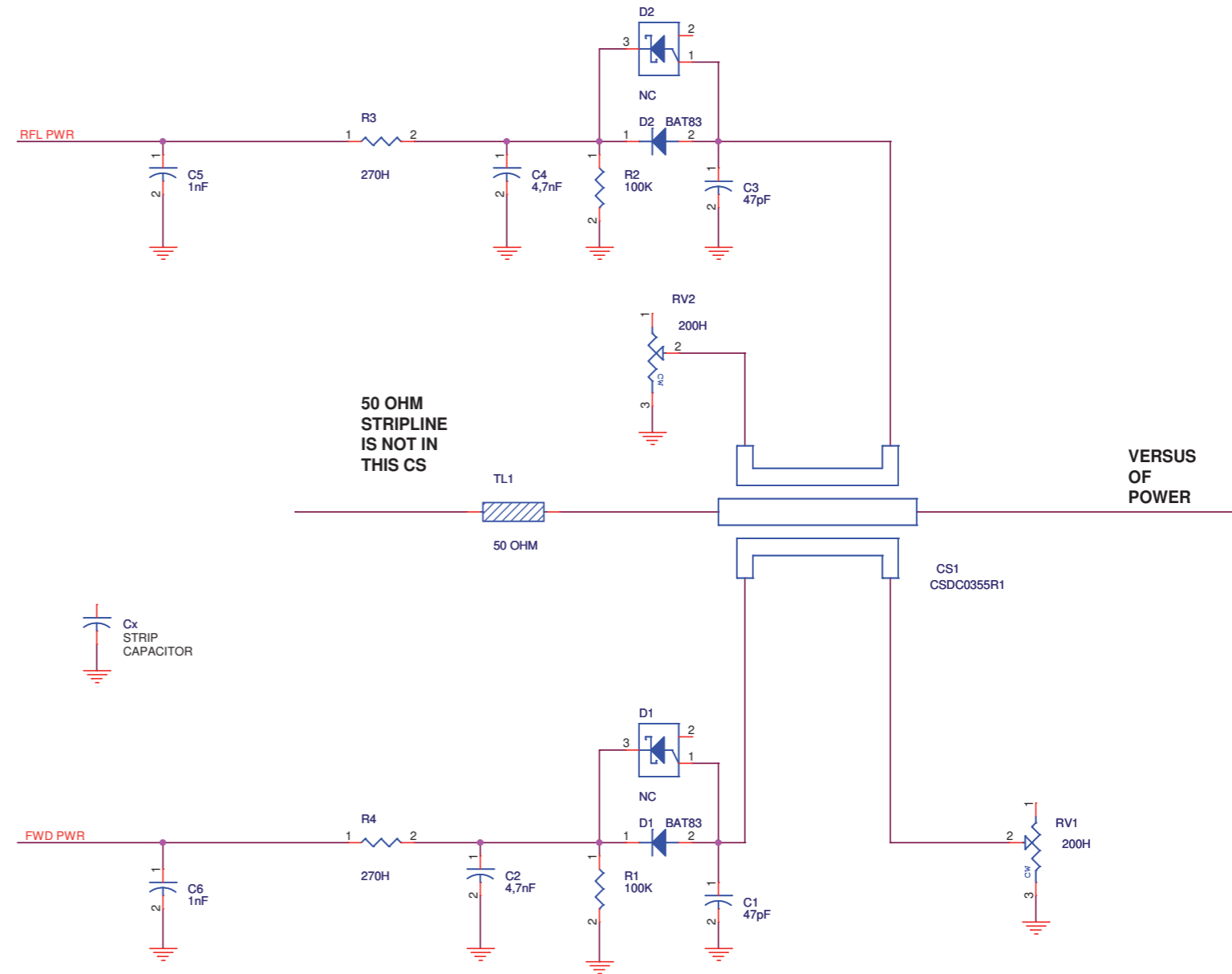


PRODUCT NAME : TEX1002LCD
 DESIGNER : FRANCESCHI A.
 ARCHIVING : "RVRUT" SERVER, "RILASCIATI" FOLDER

PART NAME : DIRECTIONAL COUPLER
 DATE : 06/06/18
 REVISION : 1.0
 SCALE : 2:1
 SIZE : A4
 PAGE : 1 DI 1

PROJECT CODE : <>
 DOCUMENT CODE : SLDC0355R01V01

SLDC0355R01V01



Description: Directional Coupler		
Designer: Franceschi A.	Size: A3	Page: 1 of 1
Part No.: SLDC0355R01V01	Rev. 1.0	Date: 04/06/2014

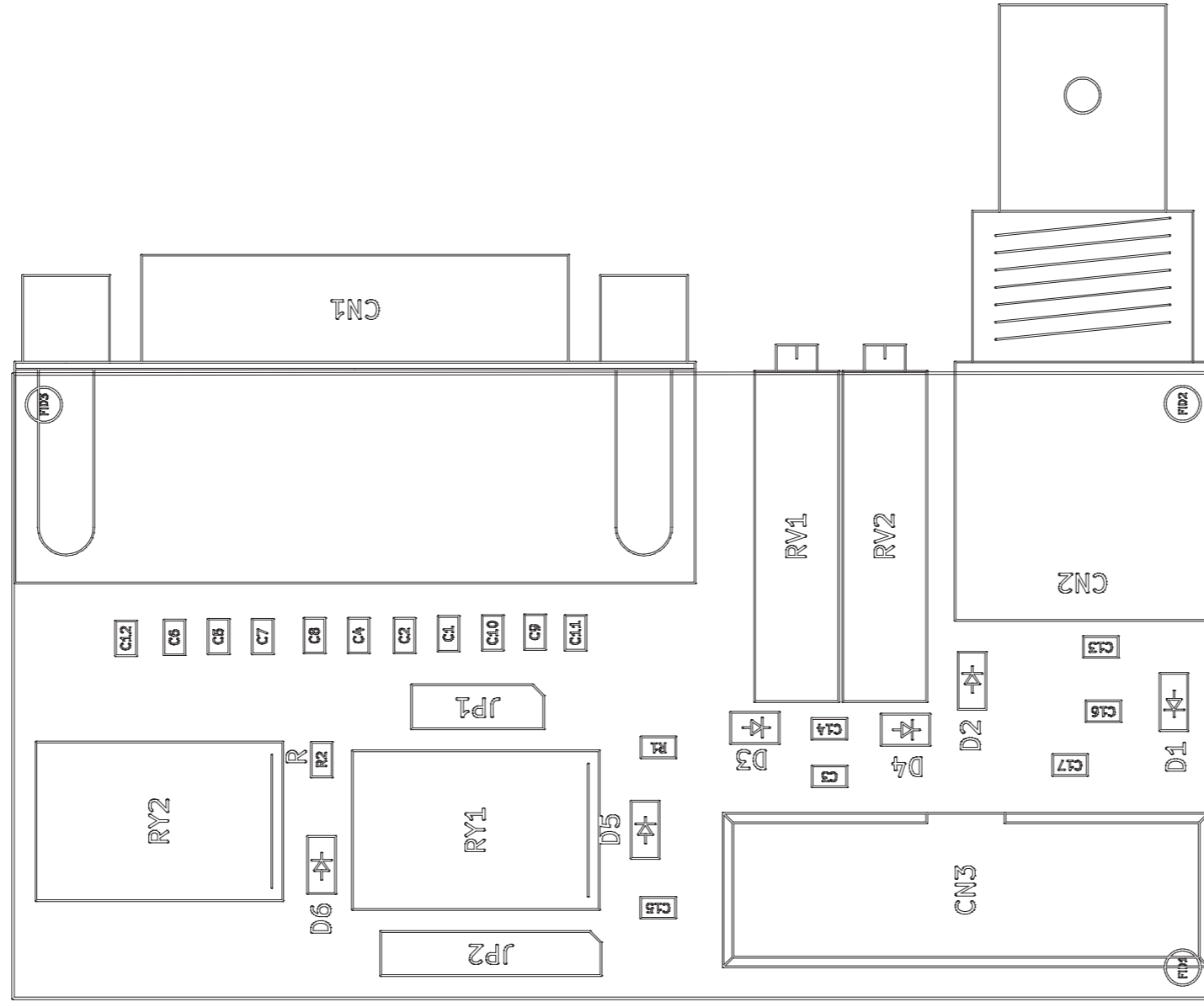


SLDC0355R01V01

Directional Coupler Revised: 04/06/2014
 SLDC0355R01V01 Revision: 1.0
 Franceschi A.

Item	Quantity	Reference	Part	DESCRIPTION
1	1	CS1	CSDC0355R1	Circuito stampato
2	1	Cx	27pFTFL	
3	2	C3, C1	47pF	Cond. SMD 0805
4	2	C2, C4	4,7nF	Cond. SMD 0805
5	2	C6, C5	1nF	Cond. SMD 0805
6	2	D1, D2	BAT83	MINIMELF SMD Diode
8	2	RV2, RV1	200H	Trimmer SMD
9	2	R1, R2	100K	Res. SMD 0805
10	2	R3, R4	270H	Res. SMD 0805
11	1	TL1	50 OHM	Linea strip CS
12	1	TL1	50 OHM	Linea strip CS

SLTL0509R01V01

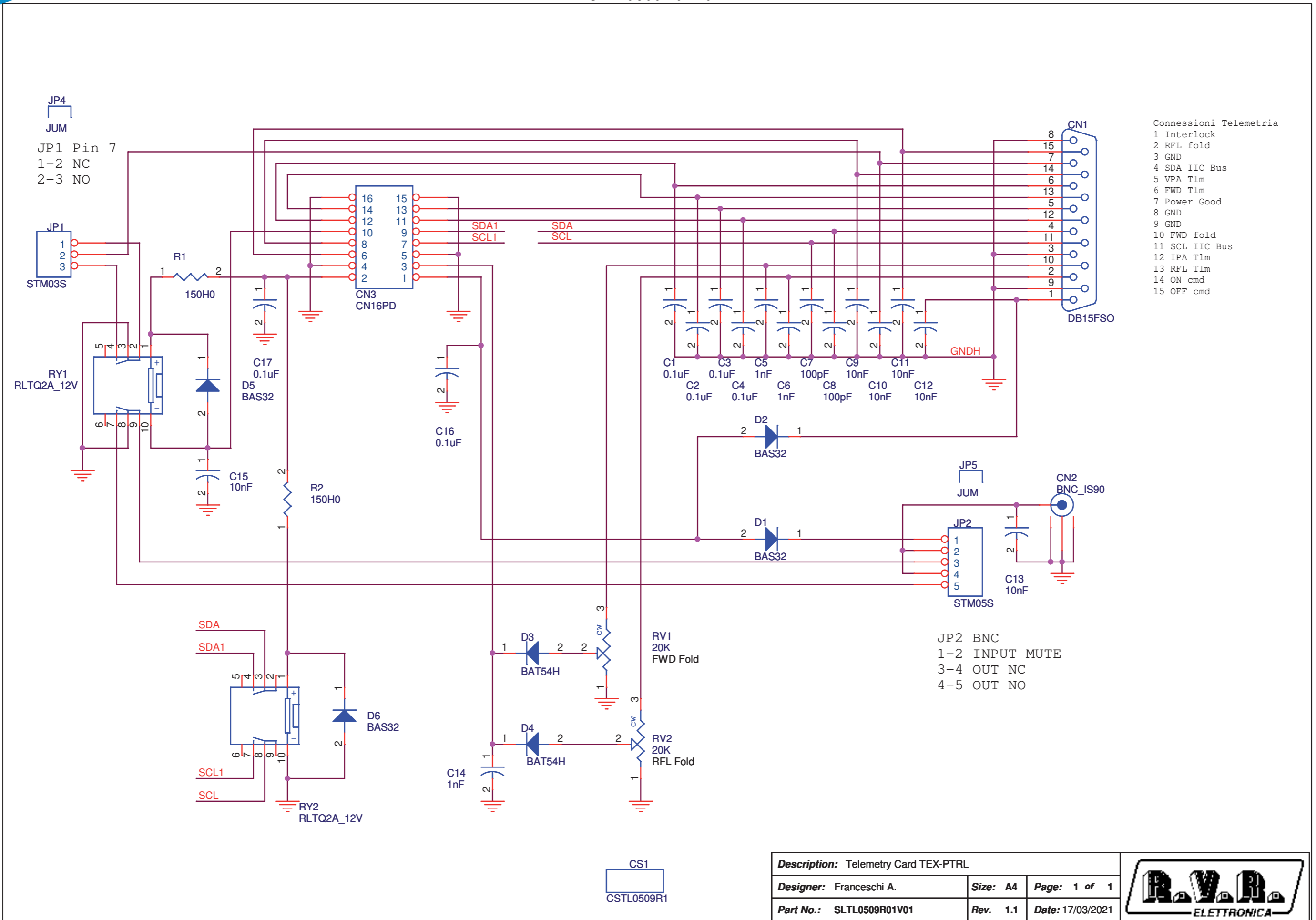


PRODUCT NAME : TEX-TFT
 DESIGNER : FRANCESCHI A.
 ARCHIVING : 'RVRUT' SERVER, 'RILASCIATI' FOLDER

PART NAME : TELEMETRY CARD
 DATE : 22/06/20
 REVISION : 1.0
 SCALE : 2:1
 SIZE : A4

PAGE : 1
 DI : 1

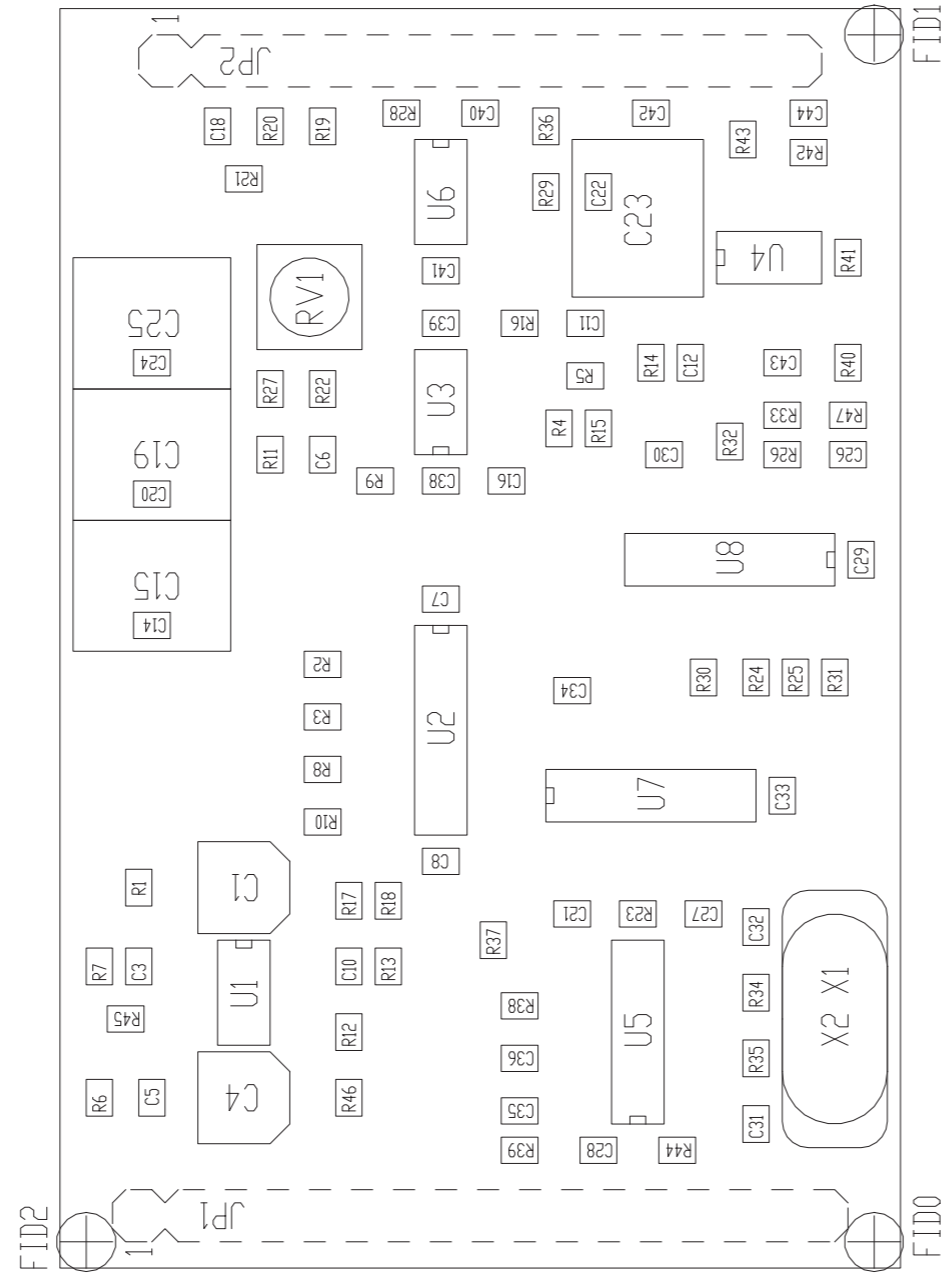
DOCUMENT CODE : SLTL0509R01V**



SLTL0509R01V01

Telemetry Card TEX-PTRL Revised: 17/03/2021
 SLTL0509R01V01 Revision: 1.1
 Franceschi A.

Item	Quantity	Reference	Part	Description
1	1	CN1	DB15FSO	DB15 fem. PCB 90° conn.
2	1	CN2	BNC_IS90	Metal BNC conn. 90°
3	1	CN3	CN16PD	16 way pcb conn. with holder
4	1	CS1	CSTL0509R1	Printed Circuit board
5	6	C1, C2, C3, C4, C16, C17	0.1uF	0805 SMD capacitor
6	3	C5, C6, C14	1nF	0805 SMD capacitor
7	2	C7, C8	100pF	0805 SMD capacitor
8	6	C9, C10, C11, C12, C13, C15	10nF	0805 SMD capacitor
9	4	D1, D2, D5, D6	BAS32	MINIMELF SMD Diode
10	2	D3, D4	BAT54H	SOD123F SMD Diode
11	1	JP1	STM03S	Male strip 3 pin
12	1	JP2	STM05S	Male strip 5 pin
13	2	JP4, JP5	JUM	Jumper
14	2	RV1, RV2	20K	Trimmer Rg H 3006
15	2	RY1, RY2	RLTQ2A_12V	TQ2 relay
16	2	R1, R2	150H0	0805 SMD res.



PRODUCT NAME : SERED CODER

PART NAME : CTC30 CODER CARD

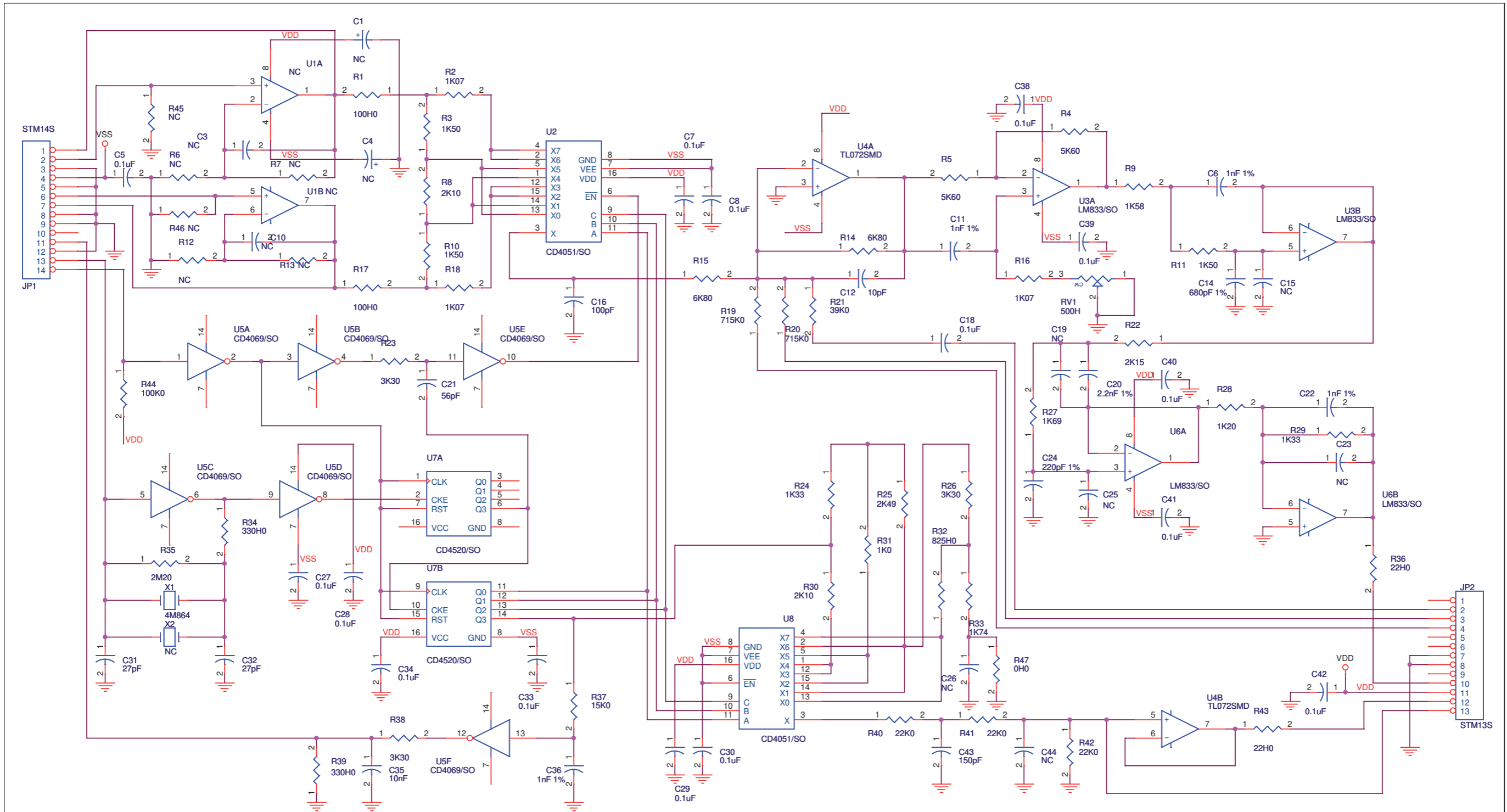
DESIGNER : FRANCESCHI A.

DATE : 26/01/15 REVISION : 1.0 SCALE : 2:1 SIZE : A4 PAGE : 1 DI 1

ARCHIVING : "RVRUT" SERVER, "RILASCIATI" FOLDER PROJECT CODE : -

DOCUMENT CODE : SLCTC30V03V**

SLCTC30V03V01



CS1
CSCTC30V03

Description: Coder Card		
Designer: Franceschi A.	Size: A3	Page: 1 of 1
Part No.: SLCTC30V03V01	Rev. 1.1	Date: 26/01/2015

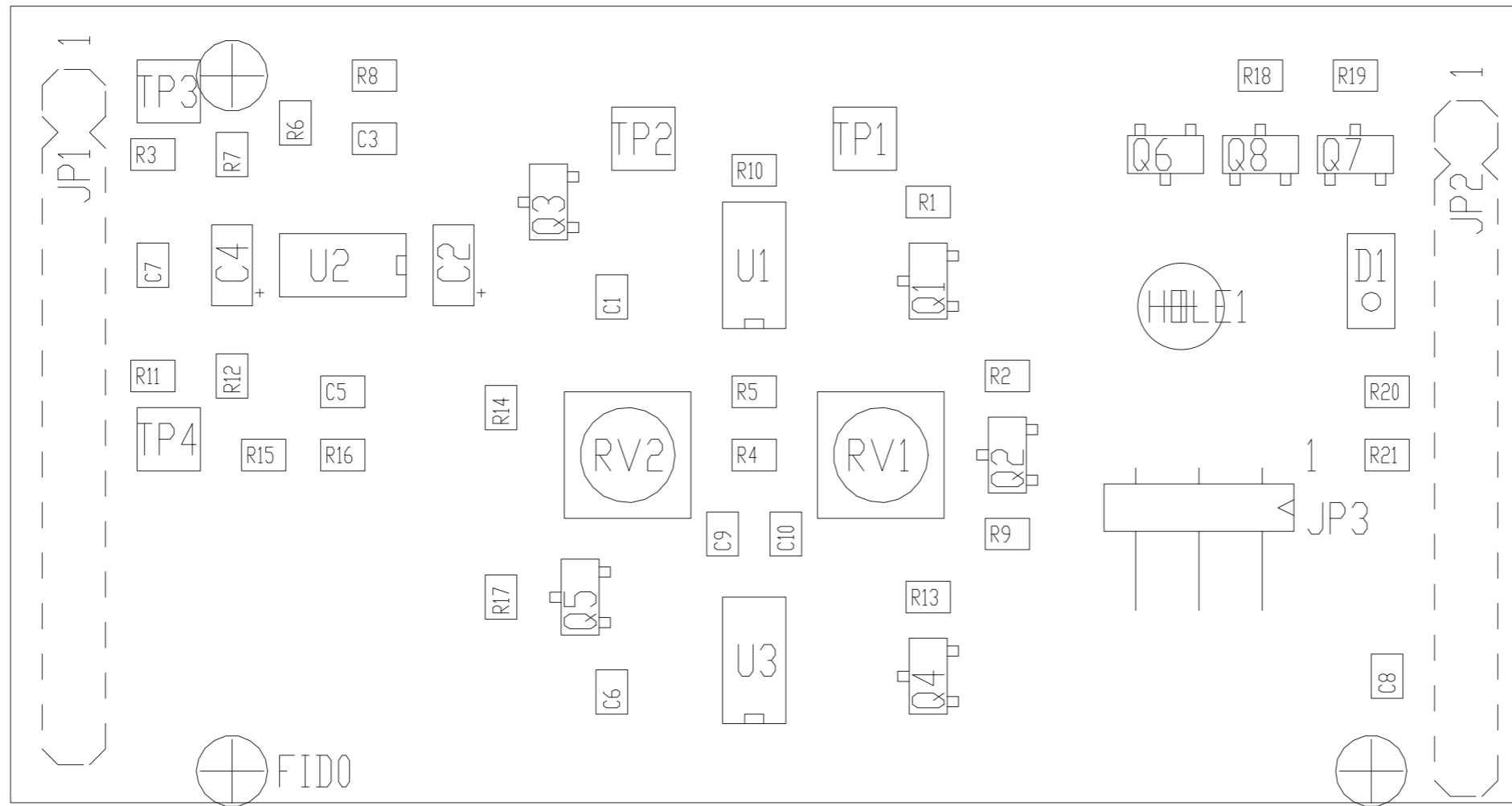


SLCTC30V03V01

Coder Card Revised: 26/01/2015
 SLCTC30V03V01 Revision: 1.1
 Franceschi A.

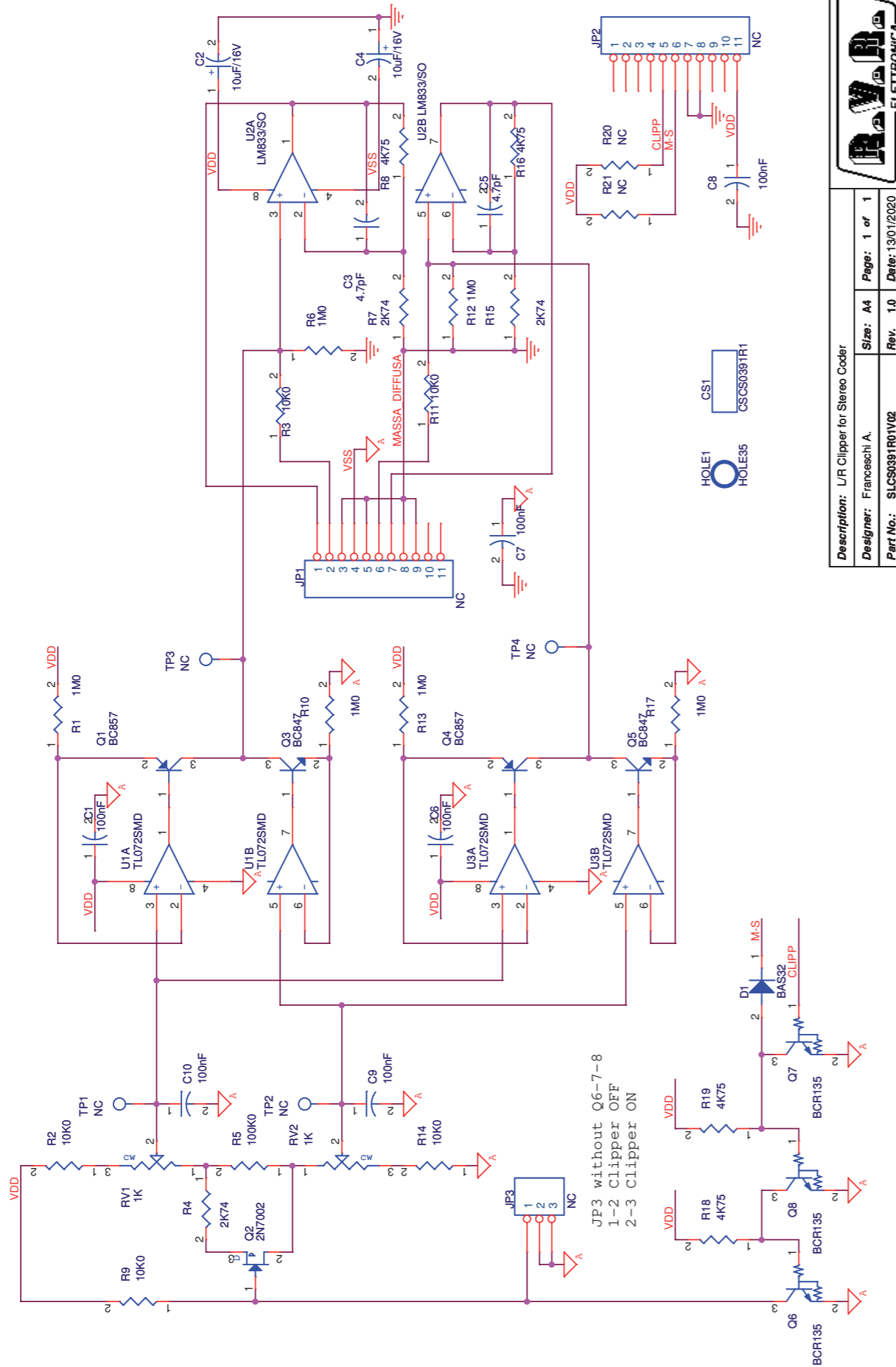
Item	Quantity	Reference	Part	Description
1	1	C51	CSCTC30V03	Circuito stampato
2	2	C1,C4	NC	Cond. Elett. SMD d. 4mm
3	3	C3,C10,C26	NC	Cond. SMD 0805
4	15	C5,C7,C8,C18,C27,C28,C29, C30,C33,C34,C38,C39,C40, C41,C42	0.1uF	Cond. SMD 0805
5	4	C6,C11,C22,C36	1nF 1%	Cond. SMD 0805 COG
6	1	C12	10pF	Cond. SMD 0805
7	1	C14	680pF 1%	Cond. SMD 0805 COG
8	4	C15,C19,C23,C25	NC	Cond. Poliestere p 5mm (5*7mm)
9	1	C16	100pF	Cond. SMD 0805
10	1	C20	2.2nF 1%	Cond. SMD 0805 COG
11	1	C21	56pF	Cond. SMD 0805
12	1	C24	220pF 1%	Cond. SMD 0805 COG
13	2	C31,C32	27pF	Cond. SMD 0805
14	1	C35	10nF	Cond. SMD 0805
15	1	C43	150pF	Cond. SMD 0805
16	1	C44	NC	Cond. SMD 0805
17	1	JP1	STM14S	Strip maschio 14 pin
18	1	JP2	STM13S	Strip maschio 13 pin
19	1	RV1	500H	Trimmer SMD
20	2	R1,R17	100H0	Res. SMD 0805
21	3	R2,R16,R18	1K07	Res. SMD 0805
22	3	R3,R10,R11	1K50	Res. SMD 0805
23	2	R4,R5	5K60	Res. SMD 0805
24	6	R6,R7,R12,R13,R45,R46	NC	Res. SMD 0805
25	2	R8,R30	2K10	Res. SMD 0805
26	1	R9	1K58	Res. SMD 0805
27	2	R14,R15	6K80	Res. SMD 0805
28	2	R19,R20	715K0	Res. SMD 0805
29	1	R21	39K0	Res. SMD 0805
30	1	R22	2K15	Res. SMD 0805
31	3	R23,R26,R38	3K30	Res. SMD 0805
32	2	R24,R29	1K33	Res. SMD 0805
33	1	R25	2K49	Res. SMD 0805
34	1	R27	1K69	Res. SMD 0805
35	1	R28	1K20	Res. SMD 0805
36	1	R31	1K0	Res. SMD 0805
37	1	R32	825H0	Res. SMD 0805
38	1	R33	1K74	Res. SMD 0805
39	2	R34,R39	330H0	Res. SMD 0805
40	1	R35	2M20	Res. SMD 0805
41	2	R36,R43	22H0	Res. SMD 0805
42	1	R37	15K0	Res. SMD 0805

43	3	R40,R41,R42	22K0	Res. SMD 0805
44	1	R44	100K0	Res. SMD 0805
45	1	R47	0H0	Res. SMD 0805
46	1	U1	NC	Dual Op. SMD SO8
47	2	U2,U8	CD4051/SO	Analog Switch SMD SO16
48	2	U3,U6	LM833/SO	Dual Op. SMD SO8
49	1	U4	TL072SMD	Dual Op. SMD SO8
50	1	U5	CD4069/SO	Hex inverter SO14
51	1	U7	CD4520/SO	Dual binary counter
52	1	X1	4M864	Quarzo SMD HC49SMD
53	1	X2	NC	Quarzo HC18



PRODUCT NAME : TEX-TFT	PART NAME : L/R Clipper for Stereo Coder
DESIGNER : FRANCESCHI A.	DATE : 13/01/20
ARCHIVING : "RVRUT" SERVER, "RILASCIATI" FOLDER	REVISION : 1.0
	SCALE : 1:1
	SIZE : A4
	PAGE : 1
	DI : 1
	DOCUMENT CODE : SLCS0391R01V**
	PROJECT CODE : 252

SLCS0391R01V02

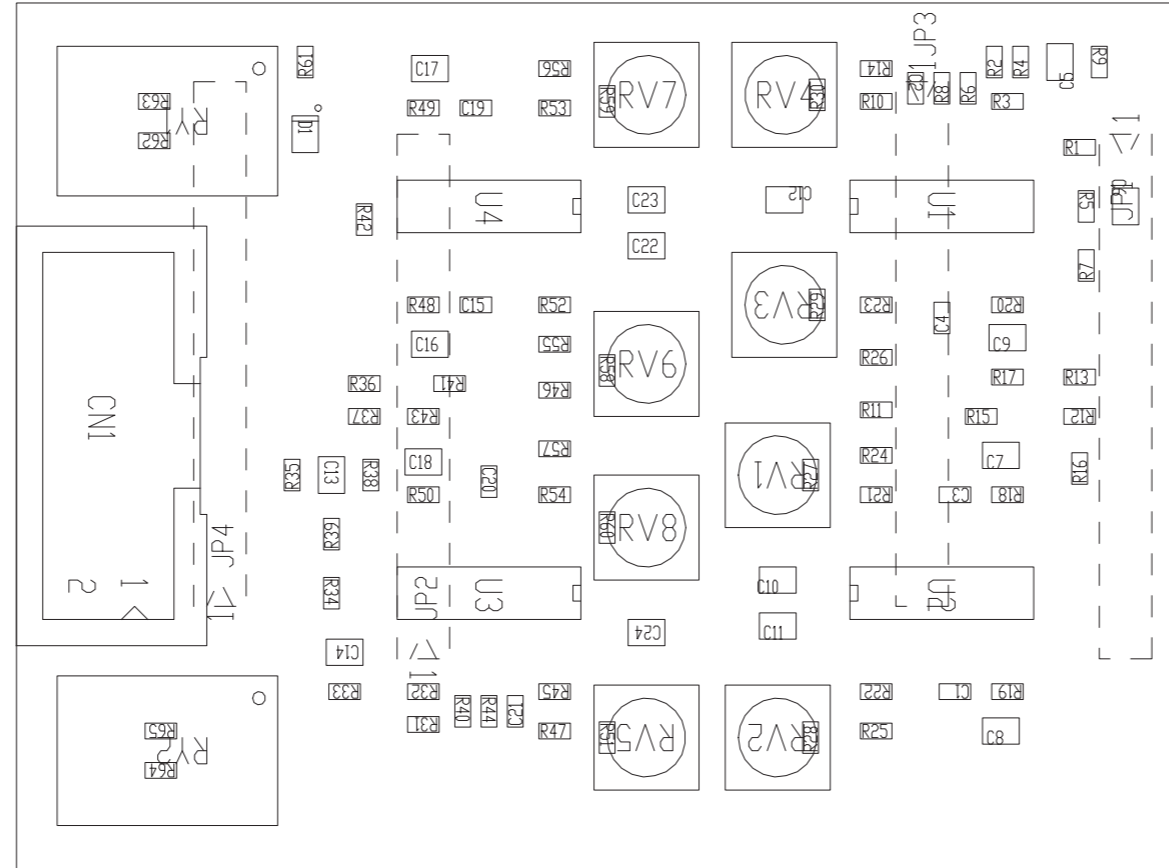


Description: L/R Clipper for Stereo Coder
Designer: Franceschi A.
Part No.: SLCS0391R01V02
Size: A4
Page: 1 of 1
Rev.: 1.0
Date: 13/01/2020

L/R Clipper for Stereo Coder Revised: Monday, Jan 13, 2020
 SLCS0391R01V02 Revision: 1.0
 Franceschi A.

Item	Quantity	Reference	Part	Description
1	1	CS1	CSCS0391R1	Circuito stampato
2	6	C1,C6,C7,C8,C9,C10	100nF	Cond. SMD 0805
3	2	C2,C4	10uF/16V	Cond. Elett. SMD tant. size A
4	2	C3,C5	4.7pF	Cond. SMD 0805
5	1	D1	BAS32	MINIMELF SMD Diode
6	1	HOLE1	HOLE35	Foro da 3.5mm
7	2	JP1,JP2	NC	Strip maschio 11 pin
8	1	JP3	NC	Strip maschio 3 pin a 90°
9	2	Q1,Q4	BC857	Trans. PNP SOT23
10	1	Q2	2N7002	Trans. FET SOT23
11	2	Q3,Q5	BC847	Trans. NPN SOT23
12	3	Q6,Q7,Q8	BCR135	Trans./Res. NPN SOT23
13	2	RV1,RV2	1K	Trimmer SMD
14	6	R1,R6,R10,R12,R13,R17	1M0	Res. SMD 0805
15	5	R2,R3,R9,R11,R14	10K0	Res. SMD 0805
16	3	R4,R7,R15	2K74	Res. SMD 0805
17	1	R5	100K0	Res. SMD 0805
18	4	R8,R16,R18,R19	4K75	Res. SMD 0805
19	2	R20,R21	NC	Res. SMD 0805
20	4	TP1,TP2,TP3,TP4	NC	Test point
21	2	U1,U3	TL072SMD	Dual Op. SMD SO8
22	1	U2	LM833/SO	Dual Op. SMD SO8

SLAU0469R01V04



PRODUCT NAME : TEX-LCD

DESIGNER : FRANCESCHI A.

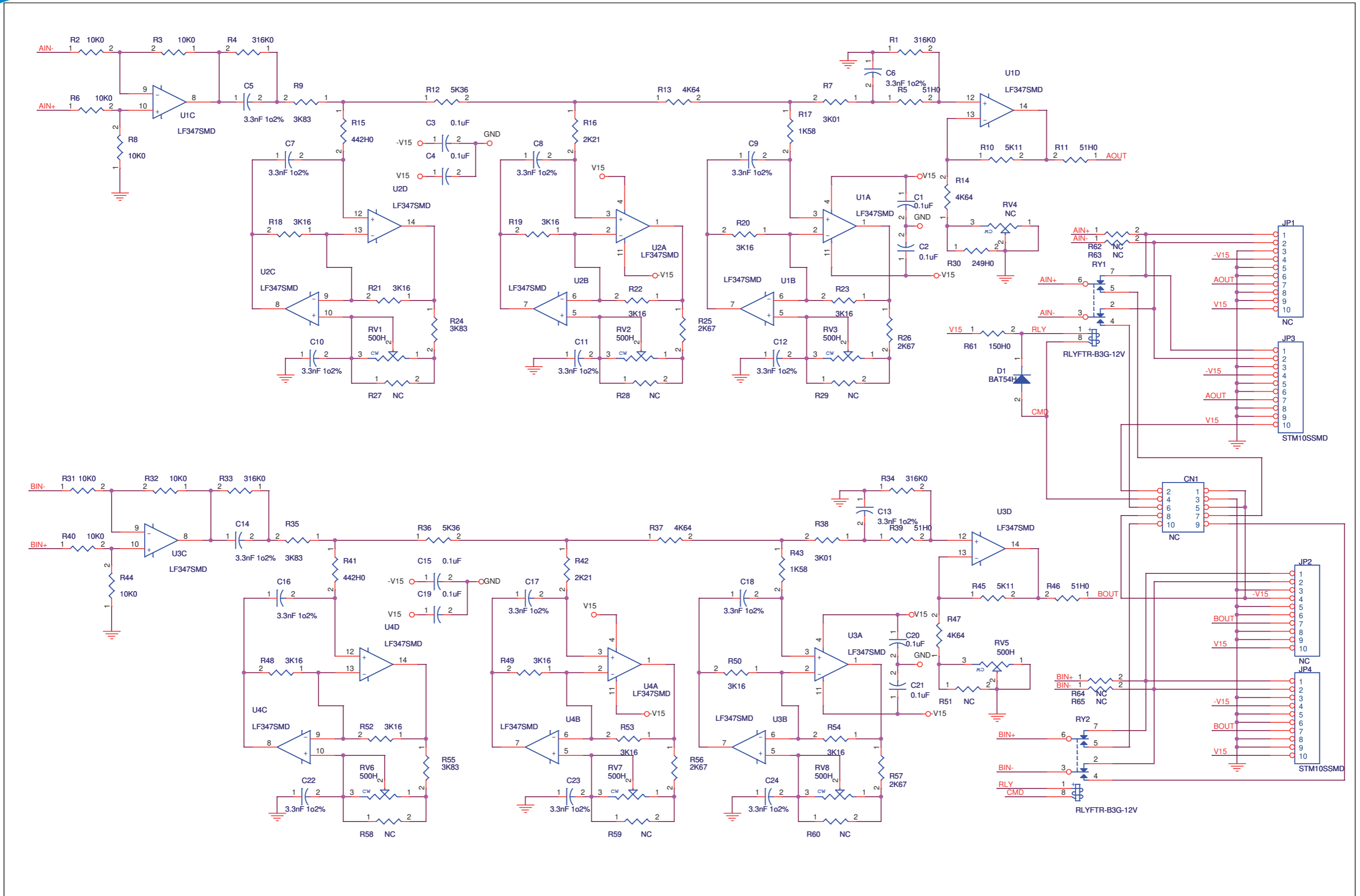
ARCHIVING : "RVRUT" SERVER, "RILASCIATI" FOLDER

PART NAME : AUDID FILTER 15KHZ

DATE : 03/05/17 REVISION : 1.0 SCALE : 2:1 SIZE : A4 PAGE : 1 DI 1

PROJECT CODE : 057 DOCUMENT CODE : SLAU0469R01V**

SLAU0469R01V04



CS1
CSAU0469R1

Description: Audio Filter 15Khz TFT w AES-EBU		
Designer: Franceschi A.	Size: A3	Page: 1 of 1
Part No.: SLAU0469R01V04	Rev. 1.0	Date: 03/04/2018



SLAU0469R01V04

Audio Filter 15Khz TFT w AES-EBU Revised: 03/04/2018
 SLAU0469R01V04 Revision: 1.0
 Franceschi A.

Item	Quantity	Reference	Part	Description
1	1	CN1	NC	Conn. 10 poli Flat cs
2	1	CS1	CSAU0469R1	Circuito stampato
3	8	C1, C2, C3, C4, C15, C19, C20, C21	0.1uF	Cond. SMD 0603
4	16	C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C16, C17, C18, C22, C23, C24	3.3nF 1o2%	Cond. SMD 0805 COG
5	1	D1	BAT54H	SOD323 SMD Diode
6	2	JP1, JP2	NC	Male strip 10 pin SMD
7	2	JP3, JP4	STM10SSMD	Male strip 10 pin SMD
8	7	RV1, RV2, RV3, RV5, RV6, RV7, RV8	500H	Trimmer SMD V 3314
9	1	RV4	NC	Trimmer SMD V 3314
10	2	RY1, RY2	RLYFTR-B3G-12V	Rele' FTR-B3G
11	4	R1, R4, R33, R34	316K0	Res. SMD 0603
12	8	R2, R3, R6, R8, R31, R32, R40, R44	10K0	Res. SMD 0603
13	4	R5, R11, R39, R46	51H0	Res. SMD 0603
14	2	R7, R38	3K01	Res. SMD 0603
15	4	R9, R24, R35, R55	3K83	Res. SMD 0603
16	2	R10, R45	5K11	Res. SMD 0603
17	2	R12, R36	5K36	Res. SMD 0603
18	4	R13, R14, R37, R47	4K64	Res. SMD 0603
19	2	R15, R41	442H0	Res. SMD 0603
20	2	R16, R42	2K21	Res. SMD 0603
21	2	R17, R43	1K58	Res. SMD 0603
22	12	R18, R19, R20, R21, R22, R23, R48, R49, R50, R52, R53, R54	3K16	Res. SMD 0603
23	4	R25, R26, R56, R57	2K67	Res. SMD 0603
24	11	R27, R28, R29, R51, R58, R59, R60, R62, R63, R64, R65	NC	Res. SMD 0603
25	1	R30	249H0	Res. SMD 0603
26	1	R61	150H0	Res. SMD 0603
27	4	U1, U2, U3, U4	LF347SMD	Quad Op. SMD SO14