R.V.R. ELETTRONICA

TLK300 & TLK2000

TECHNICAL ANNEX

VOLUME2

R.V.R. ELETTRONICA

Member of CISQ Federation
RINA
ISO 9001:2000
Certified Quality System

BROADCAST EQUIPMENT

Manufactured by R.V.R ELETTRONICA S.p.A. Italy

CE

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

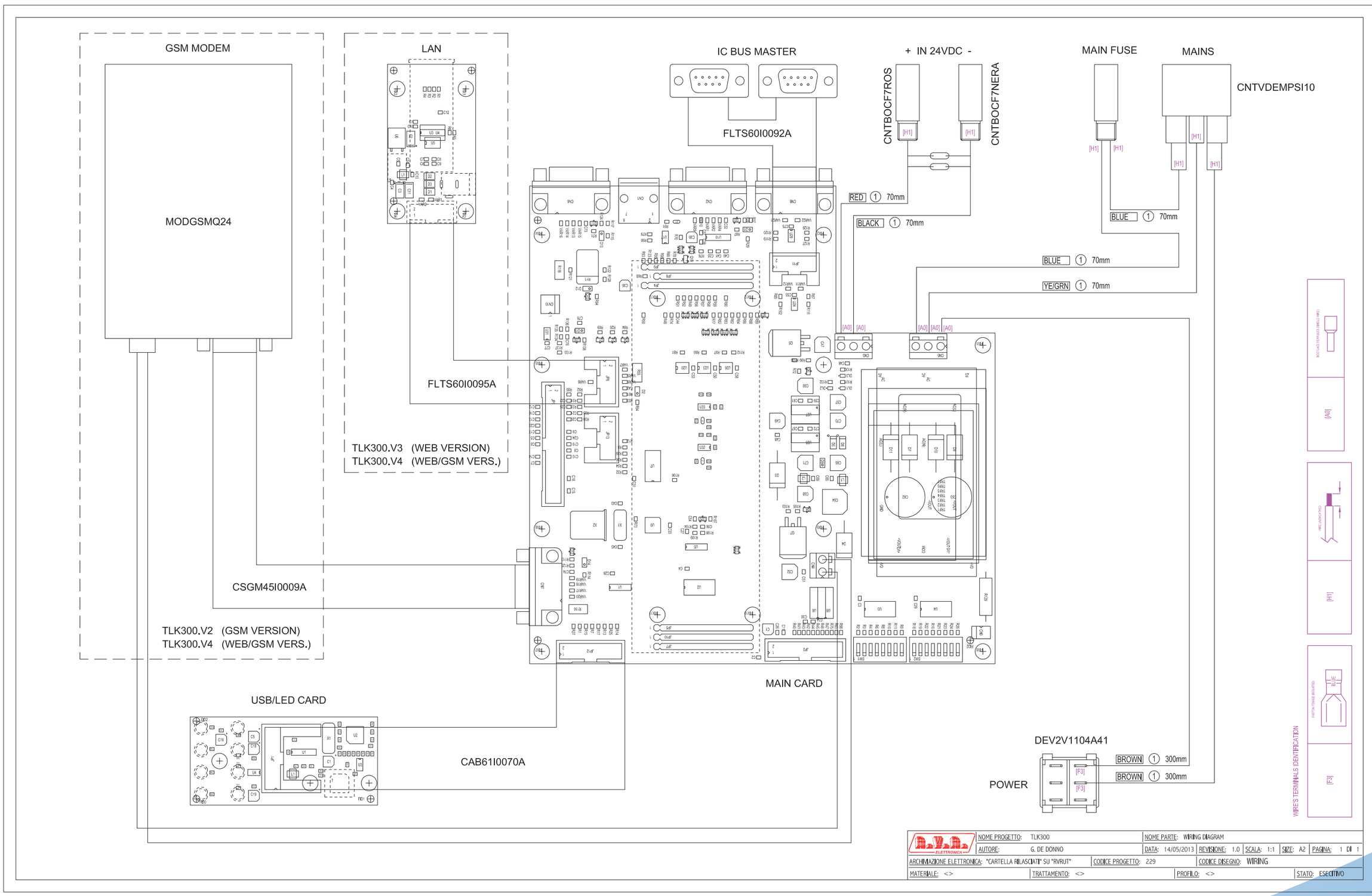
Questa parte del manuale contiene i dettagli tecnici riguardanti la costruzione delle singole schede componenti il TLK300 & TLK2000. L'appendice è composta dalle seguenti sezioni:

This part of the manual contains the technical details about the different Cards of the TLK300 & TLK2000. This appendix is composed of the following sections:

Document History

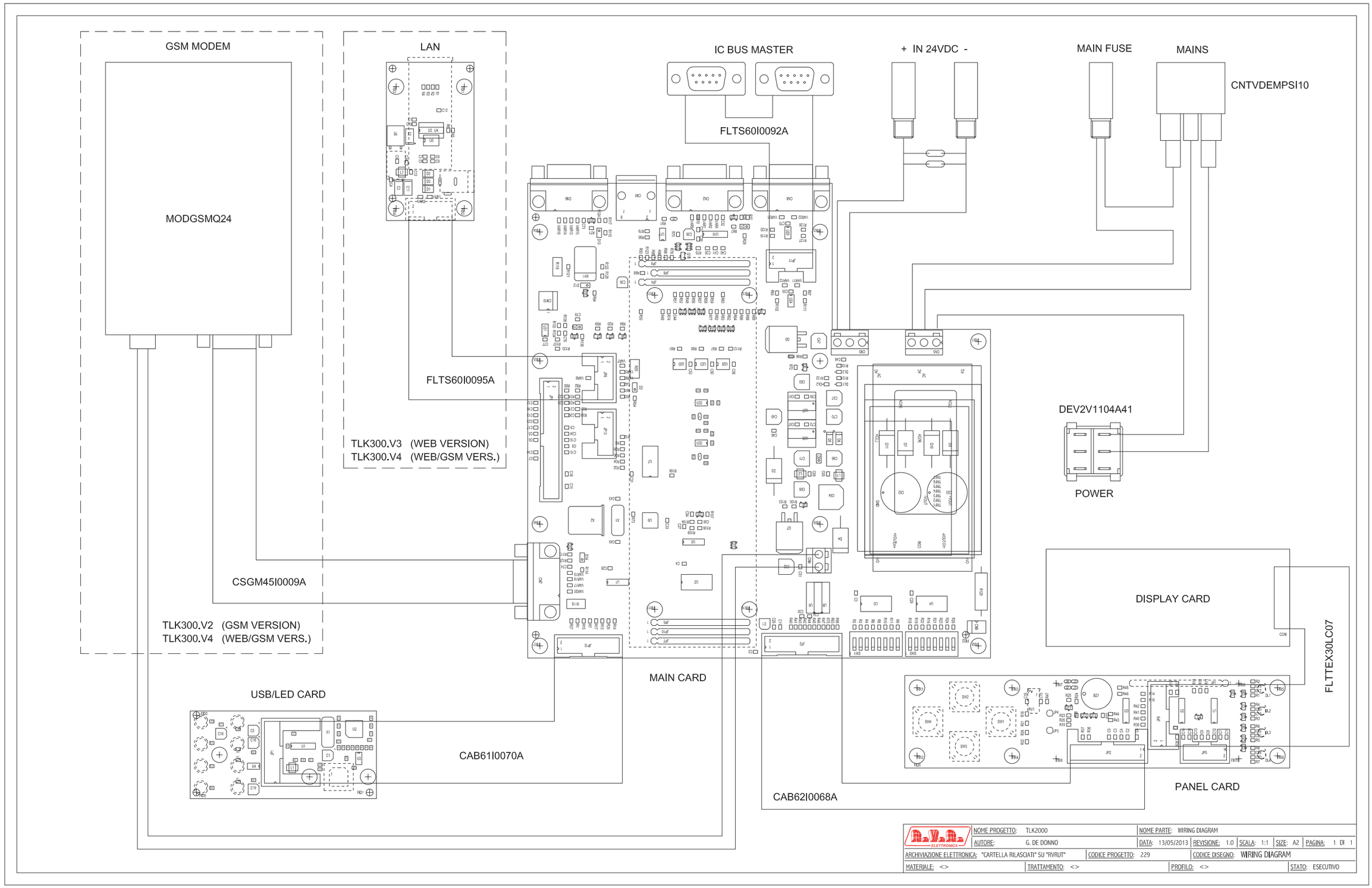
Date	Version	Reason	Code	Editor
29/11/2013	1.0	First Release	/	J.H. Berti

TLK300

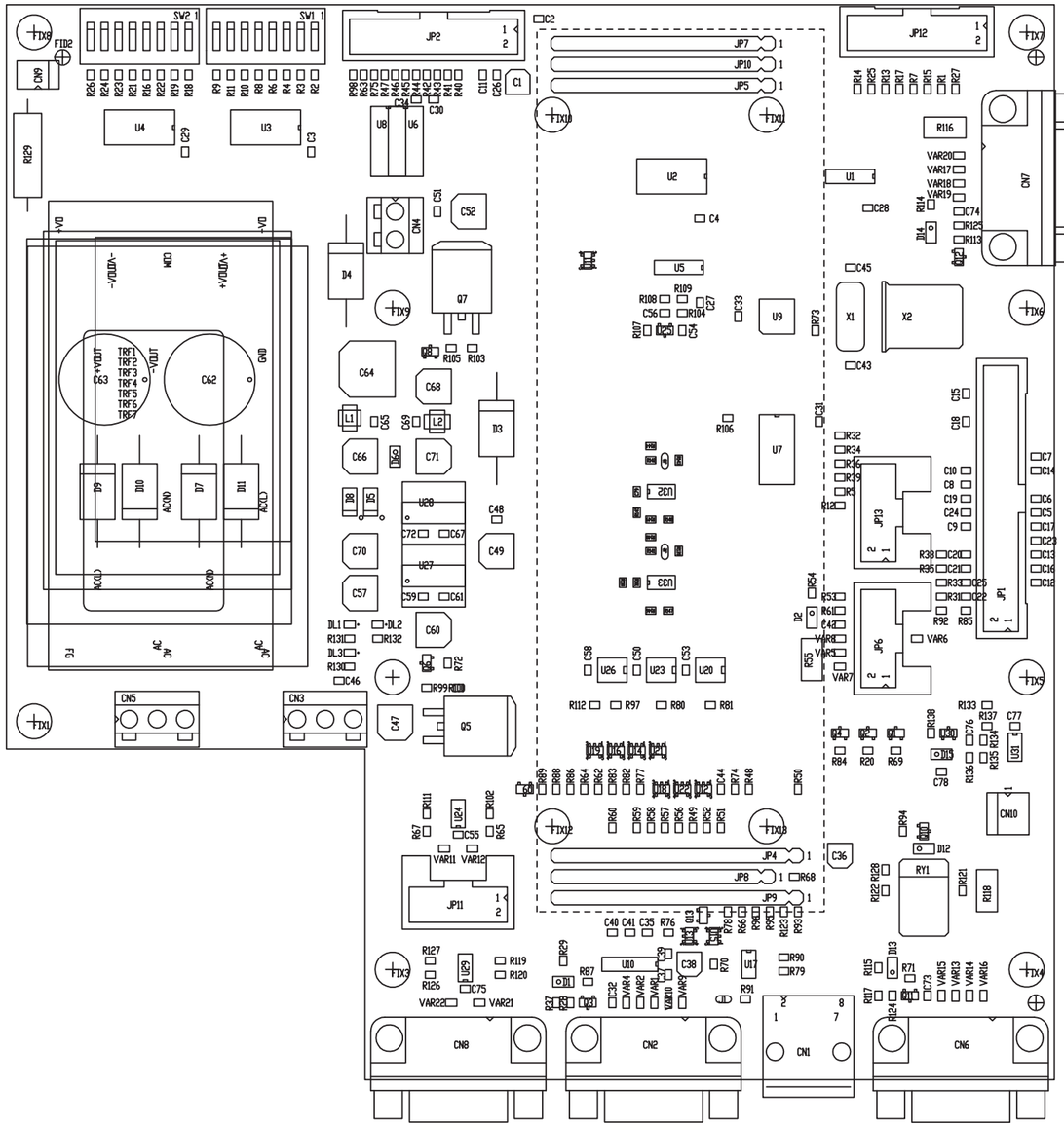

GSM MODEM
MODGSMQ24
LAN
FLTS60I0095A
TLK300.V3 (WEB VERSION)
TLK300.V4 (WEB/GSM VERS.)
CSGM45I0009A
TLK300.V2 (GSM VERSION)
TLK300.V4 (WEB/GSM VERS.)
IC BUS MASTER
FLTS60I0092A
+ IN 24VDC -
CNTBOCF7ROS
CNTBOCF7NERA
MAIN FUSE
MAINS
CNTVDEMPSI10
RED 1 70mm
BLACK 1 70mm
BLUE 1 70mm
BLUE 1 70mm
YE/GRN 1 70mm
MAIN CARD
USB/LED CARD
CAB61I0070A
DEV2V1104A41
POWER
BROWN 1 300mm
BROWN 1 300mm
WIRES TERMINALS IDENTIFICATION
[A0]
[H1]
[F3]
NOME PROGETTO: TLK300
NOME PARTE: WIRING DIAGRAM
AUTORE: G. DE DONNO
DATA: 14/05/2013
REVISIONE: 1.0
SCALA: 1:1
SIZE: A2
PAGINA: 1 DI 1
ARCHIMAZIONE ELETTRONICA: "CARTELLA RILASCIATI" SU "RVRUT"
CODICE PROGETTO: 229
CODICE DISEGNO: WIRING
MATERIALE: <>
TRATTAMENTO: <>
PROFILO: <>
STATO: ESECUTIVO

Wiring Diagram

TLK2000



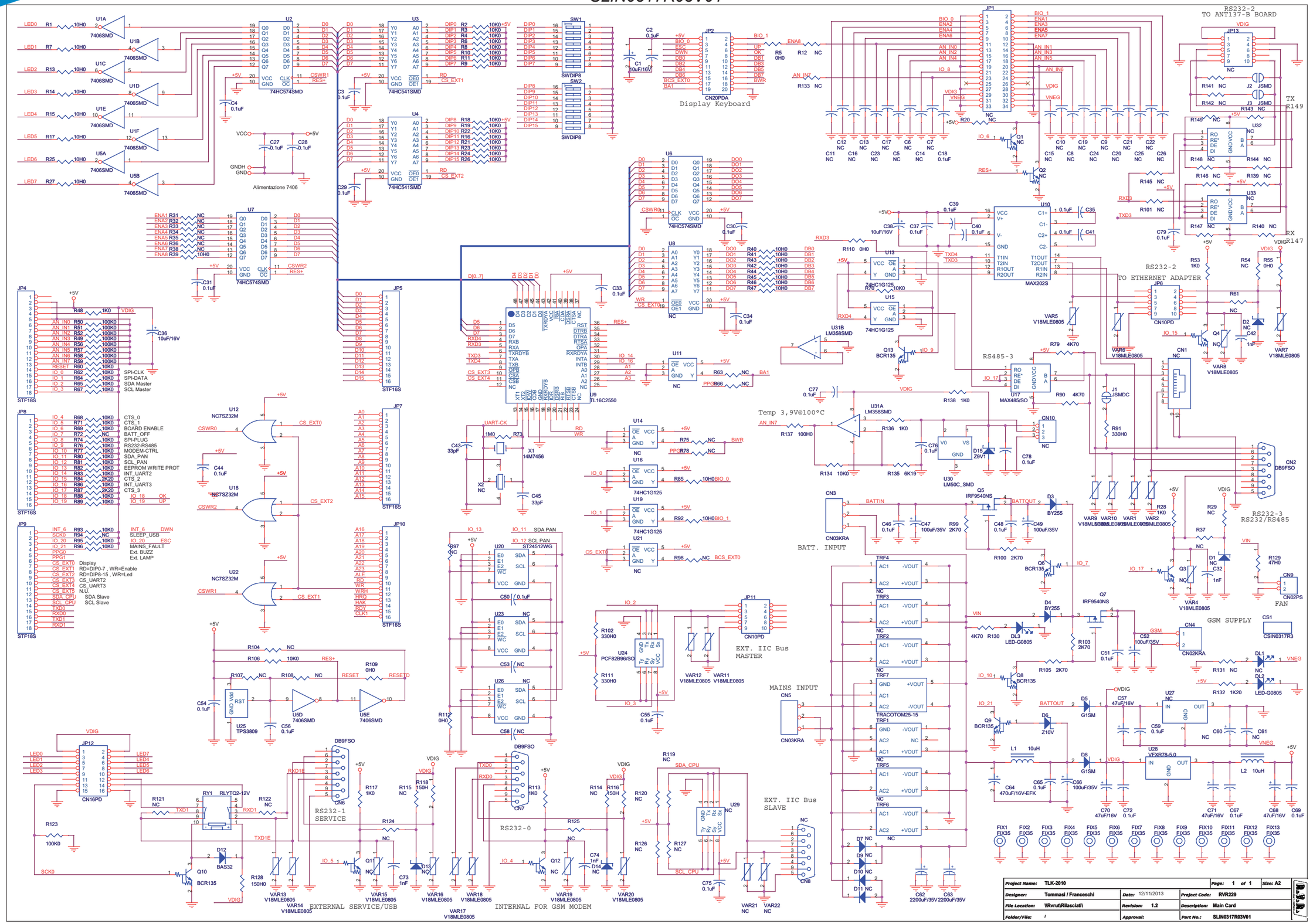
SLIN0317R03V01



R.V.R. ELETTRONICA	NOME PROGETTO: TLK2000			NOME PARTE: MAIN CARD			
	AUTORE: TOMMASI / FRANCESCHI		DATA: 02/08/2013	REVISIONE: 1.0	SCALA: 1:1	SIZE: A3	PAGINA: 1 DI 1
ARCHIVIAZIONE ELETTRONICA: \\RVRUT\		CODICE PROGETTO: 229		CODICE DISEGNO: SLIN0317R03V01			
MATERIALE: <>		TRATTAMENTO: <>		PROFILO: <>		STATO: ESECUTIVO	

Main Card

SLIN0317R03V01

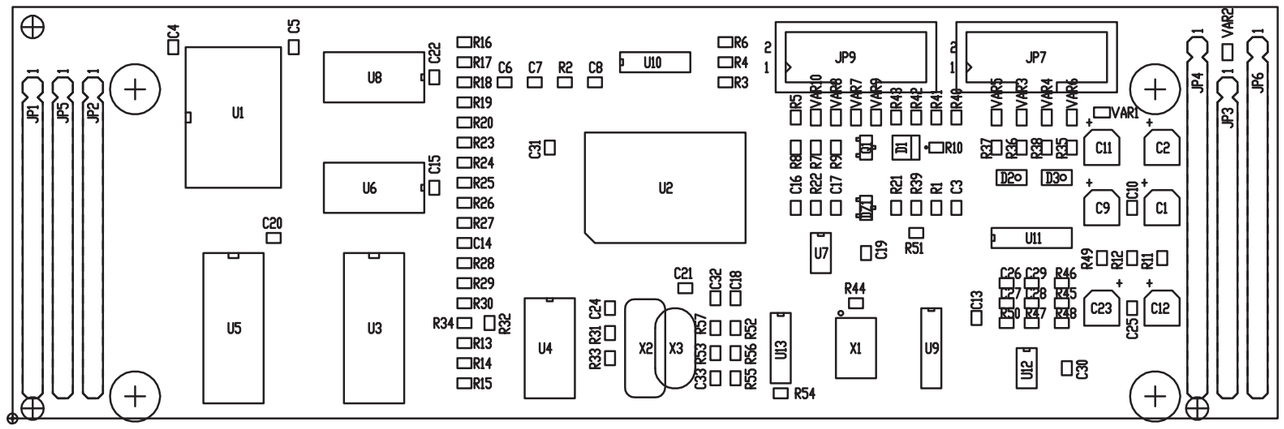


SLIN0317R03V01

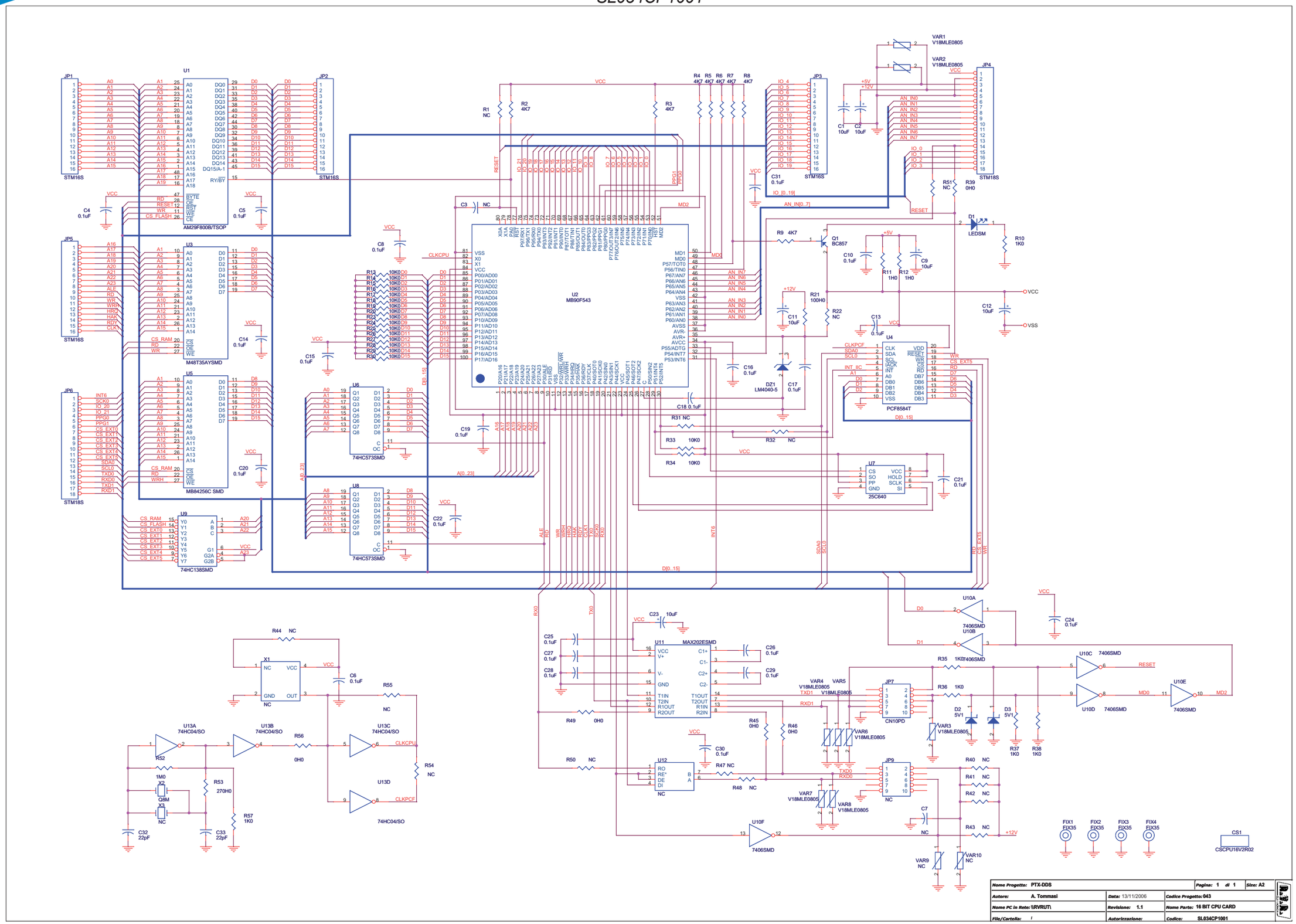
Main Card Revised: 12/11/2013
SLIN0317R03V01 Revision: 1.2
Tommasi / Franceschi
TLK-2010
RVR229

Item	Quantity	Reference	Part	Description	Code
1	1	CN1	NC	Connettore RJ45 da CS a 90°	
2	3	CN2,CN6,CN7	DB9FSO	Connettore DB9 femm. cs 90°	CNTDB9FCSA
3	2	CN3,CN5	CN03KRA	Conn. tipo KRA a 3 poli	MORSKRA3
4	1	CN4	CN02KRA	Conn. tipo KRA a 2 poli	MORSKRA2
5	1	CN9	CN02PS	Connettore 2 poli Mascon	CNTMASM2PCS
6	1	CN10	NC	Connettore 3 poli Mascon	
7	1	CS1	CSIN0317R3	Circuito stampato	CSIN0317R3
8	3	C1,C36,C38	10uF/16V	Cond. Elett. SMD d. 4mm	CES106A160
9	34	C2,C3,C4,C18,C27,C28,C29, C30,C31,C33,C34,C35,C37, C39,C40,C41,C44,C46,C48, C50,C51,C54,C55,C56,C59, C65,C67,C69,C72,C75,C76, C77,C78,C79	0.1uF	Cond. SMD 0805	CCC085104KXC
10	24	C5,C6,C7,C8,C9,C10,C11, C12,C13,C14,C15,C16,C17, C19,C20,C21,C22,C23,C24, C25,C26,C53,C58,C61	NC	Cond. SMD 0805	
11	4	C32,C42,C73,C74	1nF	Cond. SMD 0805	CCC085102JNC
12	2	C43,C45	33pF	Cond. SMD 0805	CCC085330JCC
13	4	C47,C49,C52,C66	100uF/35V	Cond. Elett. SMD d. 6.3mm	CES107E350
14	4	C57,C68,C70,C71	47uF/16V	Cond. Elett. SMD d. 6.3mm	CES476C160
15	1	C60	NC	Cond. Elett. SMD d. 6.3mm	
16	2	C62,C63	NC	Cond. Elettr. Dia 16 P5 o 7.5	
17	1	C64	470uF/16V-EFK	Cond. Elett. SMD d. 10mm	CES477F160FK
18	1	DL1	NC	LED Verde SMD 0805	
19	2	DL2,DL3	LED-G0805	LED Verde SMD 0805	LEDV0805
20	4	D1,D2,D13,D14	NC	MINIMELF SMD Zener Diode	
21	2	D3,D4	BY255	Diodo plastico DO201	DISBY255
22	2	D5,D8	G1SM	MELF SMD Diode	DIS4007SMA
23	1	D6	Z10V	MINIMELF SMD Zener Diode	DIZ10VMINI
24	4	D7,D9,D10,D11	NC	Diodo plastico DO201	
25	1	D12	BAS32	MINIMELF SMD Diode	DISBAS32MINI
26	1	D15	Z9V1	MINIMELF SMD Zener Diode	DIZ9V1MINI
27	13	FIX1,FIX2,FIX3,FIX4,FIX5, FIX6,FIX7,FIX8,FIX9, FIX10,FIX11,FIX12,FIX13	FIX35	Foro fissaggio 3.5mm	
28	1	JP1	NC	Connettore 34 poli Flat cs	
29	1	JP2	CN20PDA	Conn.M.C.S.Dritto 20P alette	CNTMCS20A
30	2	JP4,JP9	STF18S	Strip femmina 18 pin	CNTSTF18SDB
31	4	JP5,JP7,JP8,JP10	STF16S	Strip femmina 16 pin	CNTSTF16SDB
32	2	JP6,JP11	CN10PD	Connettore 10 poli Flat cs	CNTMCS10A
33	1	JP12	CN16PD	Conn.M.C.S.Dritto 16P alette.	CNTMCS16A
34	1	JP13	NC	Connettore 10 poli Flat cs	
35	1	J1	JSMDC	Pad SMD a saldare chiuso	
36	2	J2,J3	JSMD	Pad SMD a saldare	
37	2	L1,L2	10uH	Ind. verticale SMD dia. 4 p 4.8	IMP10USMS50
38	6	Q1,Q2,Q3,Q4,Q11,Q12	NC	Trans./Res. NPN SOT23	
39	2	Q5,Q7	IRF9540NS	Trans. FET P D2PAK	TRNIRF9540NS
40	5	Q6,Q8,Q9,Q10,Q13	BCR135	Trans./Res. NPN SOT23	TRNBCR135
41	1	RY1	RLYTQ2-12V	Rele' TQ2	RLD2V12V05AM
42	19	R1,R7,R13,R14,R15,R17, R25,R27,R39,R40,R41,R42, R43,R44,R45,R46,R47,R85, R92	10H0	Res. SMD 0805 1%	RCH085F0010H
43	40	R2,R3,R4,R6,R8,R9,R10, R11,R16,R18,R19,R21,R22, R23,R24,R26,R60,R62,R64, R65,R67,R68,R69,R70,R71, R74,R76,R77,R80,R81, R82,R83,R86,R88,R89,R93, R95,R96,R106,R134	10K0	Res. SMD 0805 1%	RCH085F0010K
44	4	R5,R109,R110,R112	0H0	Res. SMD 0805 1%	RCH085F0000H
45	48	R12,R20,R29,R31,R32,R33, R34,R35,R36,R37,R38,R54, R61,R63,R66,R72,R75,R78, R94,R97,R98,R101,R104, R107,R108,R114,R115,R119, R120,R121,R122,R124,R125, R126,R127,R131,R133,R139, R140,R141,R142,R143,R144, R145,R146,R147,R148,R149	NC	Res. SMD 0805 1%	
46	7	R28,R48,R53,R113,R117, R136,R138	1K0	Res. SMD 0805 1%	RCH085F0001K
47	9	R49,R50,R51,R52,R56,R57, R58,R59,R123	100K0	Res. SMD 0805 1%	RCH085F0100K
48	1	R55	0H0	Res. SMD 2512 5%	RCH252J0000H
49	3	R116,R118	150H	Res. SMD 2512 5%	RCH252J0150H
50	1	R73	1M0	Res. SMD 0805 1%	RCH085F0001M
51	3	R79,R90,R130	4K70	Res. SMD 0805 1%	RCH085F004K7
52	2	R84,R87	2K20	Res. SMD 0805 1%	RCH085F002K2
53	3	R91,R102,R111	330H0	Res. SMD 0805 1%	RCH085F0330H
54	4	R99,R100,R103,R105	2K70	Res. SMD 0805 1%	RCH085F002K7
55	1	R128	150H0	Res. SMD 0805 1%	RCH085F0150H
56	1	R129	47H0	Res. 1W	RSM002J0047H
57	1	R132	1K20	Res. SMD 0805 1%	RCH085F001K2
58	1	R135	6K19	Res. SMD 0805 1%	RCH085F06K19
59	1	R137	100H0	Res. SMD 0805 1%	RCH085F0100H
60	2	SW1,SW2	SWDIP8	Dip switch 8 vie	DSW8VO
61	1	TRF1	NC	AC-DC Conv. 25W Serie TMS	
62	1	TRF2	NC	AC-DC Conv. 5W	
63	1	TRF3	NC	AC-DC Conv. 5W	
64	1	TRF4	NC	AC-DC Conv. 10W	
65	1	TRF5	NC	AC-DC Conv. 15W	
66	1	TRF6	NC	AC-DC Conv. 20W	
67	1	TRF7	TRACOTOM25-15	AC-DC Conv. 25W Serie TOM	PSSWTOM25115
68	2	U1,U5	7406SMD	Hex inv OC SMD SO14	CID7406S
69	3	U2,U6,U7	74HC574SMD	Octal Latch SMD	CID74HC574S
70	2	U3,U4	74HC541SMD	Octal buffer SMD	CID74HC541SM
71	1	U8	NC	Octal buffer SMD	
72	1	U9	TL16C2550	Dual FIFO Bus UART	CIDTL16C2550
73	1	U10	MAX202S	RS232 Driver SMD SO16	CIDMX202CSES
74	3	U11,U14,U21	NC	SOT23-5 Bus Buffer	
75	3	U12,U18,U22	NC7SZ32M	SOT23-5 OR Port	CIDNC7SZ32M5
76	4	U13,U15,U16,U19	74HC1G125	SOT23-5 Bus Buffer	CID74LVC1G125GV
77	1	U17	MAX485/SO	RS485 driver SMD SO8	CIDMAX485CSA
78	1	U20	ST24512WG	IIC Bus 512Kb EEPROM	CIDSTM24512
79	2	U23,U26	NC	IIC Bus 512Kb EEPROM	
80	1	U24	PCF82B96/SO	IIC Bus driver SMD	CID82B96S
81	1	U25	TPS3809	uP supply supervisor	CIDTPS3809
82	1	U27	NC	Switching SIP3 regulator	

83	1	U28	VFXR78-5.0	Switching SIP3 regulator	CIL78SW50
84	1	U29	NC	IIC Bus driver SMD	
85	1	U30	LM50C_SMD	Temperature sensor	CILLM50C
86	1	U31	LM358SMD	Dual Op. SMD SO8	CILLM358SMD
87	2	U32,U33	NC	RS485 driver SMD SO8	
88	19	VAR1,VAR2,VAR4,VAR5,VAR6, VAR7,VAR8,VAR9,VAR10, VAR11,VAR12,VAR13,VAR14, VAR15,VAR16,VAR17,VAR18, VAR19,VAR20	V18MLE0805	ESD SMD protector	MOV018V085
89	2	VAR21,VAR22	NC	ESD SMD protector	
90	1	X1	14M7456	Quarzo SMD HC49SMD	QRZ014M7456C
91	1	X2	NC	Quarzo HC25 orizz.	



NOME PARTE:	CPU 16 BIT CARD
DATA: 12/02/2004	REVISIONE: 2.1
SCALA: 1:1	SIZE: A4
PAGINA: 1 DI 1	
CODICE DISEGNO:	SLCPU16V2R02
PROGETTO: RV021	
PROFILO:	
STATO: ESECUTIVO	
NOME PROGETTO:	PTX-LCD
AUTORE:	A. TOMMASI
ARCHIVIAZIONE ELETTRONICA:	\\RVRUT\
CODICE PROGETTO:	
MATERIALE:	
TRATTAMENTO:	

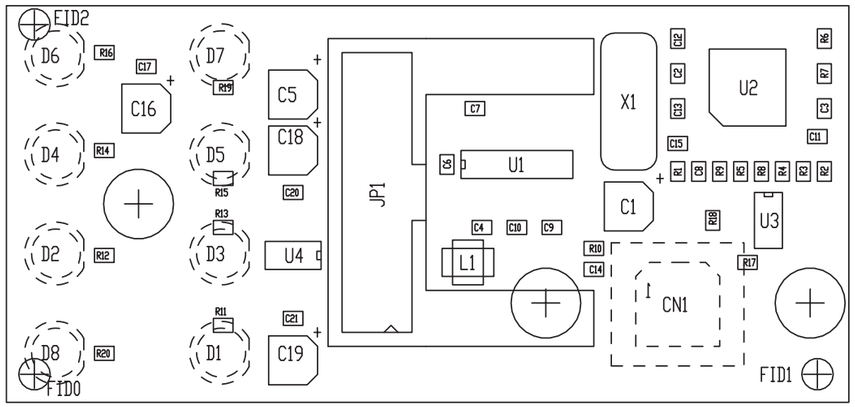

U1
AM29F800B/TSOP
U2
MB90F543
U3
M48T35AYSMD
U4
PCF8584T
U5
MB84256C SMD
U6
74HC573SMD
U7
25C640
U8
74HC573SMD
U9
74HC138SMD
U10A
U10B
U10C
U10D
U10E
U10F
7406SMD
U11
MAX202ESMD
U12
U13A
U13B
U13C
U13D
74HC04/SO
74HC04SMD
JP1
JP2
JP3
JP4
JP5
JP6
JP7
JP9
STM16S
STM18S
CN10PD
VAR1
V18MLE0805
VAR2
V18MLE0805
VAR3
V18MLE0805
VAR4
V18MLE0805
VAR5
V18MLE0805
VAR6
V18MLE0805
VAR7
V18MLE0805
VAR8
V18MLE0805
VAR9
NC
VAR10
NC
Q1
BC857
DZ1
LM4040-5
D1
LEDSM
D2
5V1
D3
5V1
CS1
CSCPU16V2R02
FIX1
FIX35
FIX2
FIX35
FIX3
FIX35
FIX4
FIX35
VCC
RESET
CLKCPU
CLKPCF
MD0
MD2
TXD0
RXD0
TXD1
RXD1
D[0..15]
A[0..23]
IO_[0..19]
AN_IN[0..7]
Nome Progetto: PTX-DDS
Pagina: 1 di 1
Size: A2
Autore: A. Tommasi
Data: 13/11/2006
Codice Progetto: 043
Nome PC in Rete: \\RVRUT\
Revisione: 1.1
Nome Parte: 16 BIT CPU CARD
File/Cartella: /
Autorizzazione:
Codice: SL034CP1001

SL034CP1001

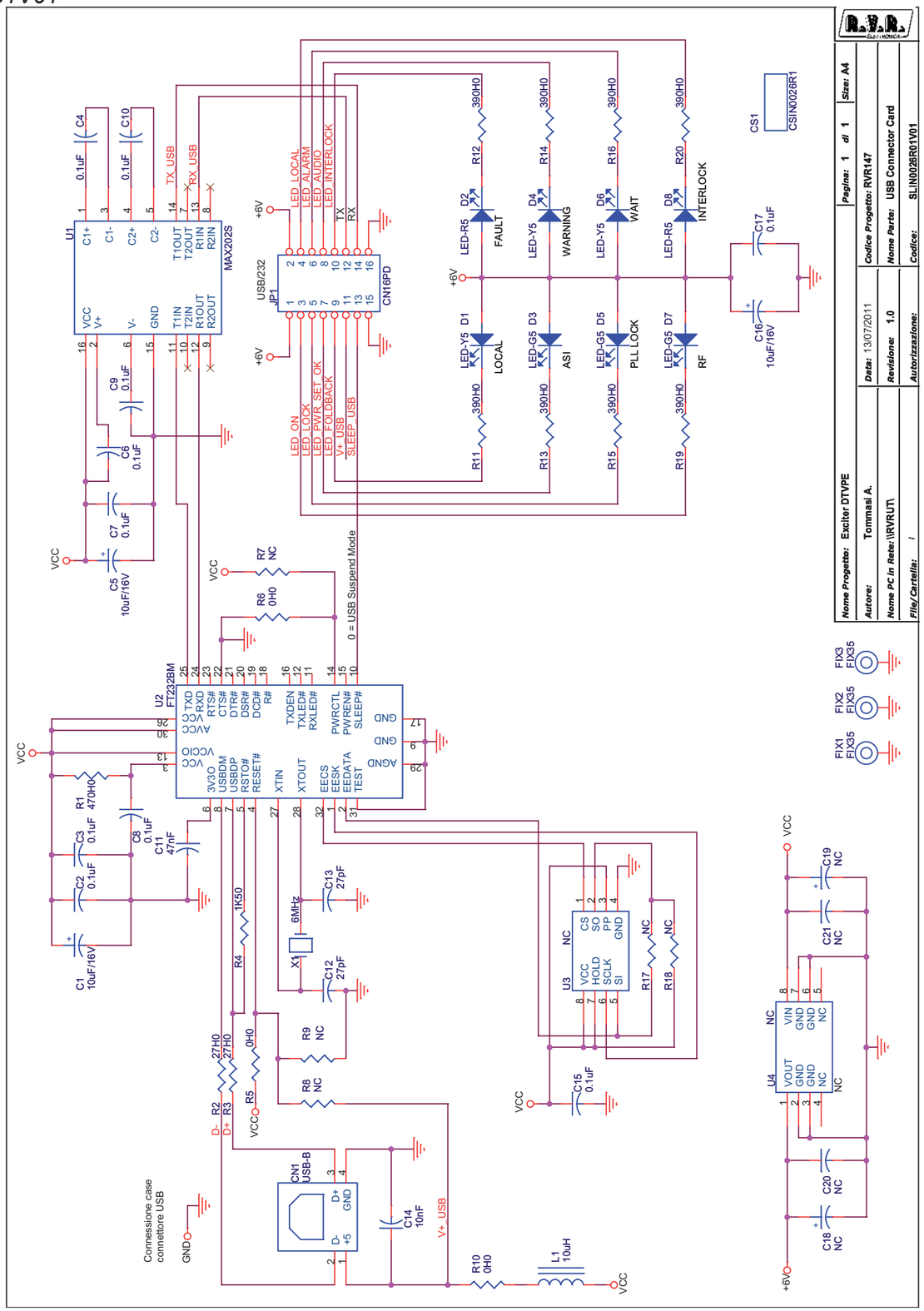
16 BIT CPU CARD - SL034CP1001
Revision: 1.1 Date: 13/11/2006
PTX-DDS
034
A. Tommasi

Item	Quantity	Reference	Part	Description	Code
1	1	CS1	CSCPU16V2R02	Circuito stampato	CSCPU16V2R02
2	6	C1, C2, C9, C11, C12, C23	10uF	Cond. Elett. SMD d. 4mm	CES106A160
3	2	C3, C7	NC	Cond. SMD 0805	
4	23	C4, C5, C6, C8, C10, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C24, C25, C26, C27, C28, C29, C30, C31	0.1uF	Cond. SMD 0805	CCC085104KXC
5	2	C32, C33	22pF	Cond. SMD 0805	CCC085220JCC
6	1	DZ1	LM4040-5	Diodi Zener SMD SOT23	CILLM4040-5
7	1	D1	LEDSM	LED SMD PLCC2	LEDRSMDPLCC2
8	2	D2, D3	5V1	MINIMELF SMD Zener Diode	DIZ5V1MINI
9	4	FIX1, FIX2, FIX3, FIX4	FIX35	Foro fissaggio	
10	4	JP1, JP2, JP3, JP5	STM16S	Strip maschio 16 pin	CNTSTM40SDC
11	2	JP4, JP6	STM18S	Strip maschio 18 pin	CNTSTM40SDC
12	1	JP7	CN10PD	Connettore 10 poli Flat cs	CNTMCS10A
13	1	JP9	NC	Connettore 10 poli Flat cs	
14	1	Q1	BC857	Trans. PNP SOT23	TRNBC857
15	15	R1, R22, R31, R32, R40, R41, R42, R43, R44, R47, R48, R50, R51, R54, R55	NC	Res. SMD 0805	
16	8	R2, R3, R4, R5, R6, R7, R8, R9	4K7	Res. SMD 0805	RCH085F004K7
17	6	R10, R35, R36, R37, R38, R57	1K0	Res. SMD 0805	RCH085F0001K
18	2	R11, R12	1H0	Res. SMD 0805	RCH085F0001H
19	18	R13, R14, R15, R16, R17, R18, R19, R20, R23, R24, R25, R26, R27, R28, R29, R30, R33, R34	10K0	Res. SMD 0805	RCH085F0010K
20	1	R21	100H0	Res. SMD 0805	RCH085F0100H
21	5	R39, R45, R46, R49, R56	0H0	Res. SMD 0805	RCH085F0000H
22	1	R52	1M0	Res. SMD 0805	RCH085F0001M
23	1	R53	270H0	Res. SMD 0805	RCH085F0270H
24	1	U1	AM29F800B/TSOP	Flash Eprom SMD TSOP48	CIDAM29F800B
25	1	U2	MB90F543	QFP100 SMD Microprocessor	CIDMB90F543
26	1	U3	M48T35AYSMD	RAM+RTC with Battery SMD	CIDM48T35Y7S
27	1	U4	PCF8584T	IIC Bus controller SMD	CIDPCF8584SM
28	1	U5	MB84256C SMD	RAM+RTC with Battery SMD	CID76C256
29	2	U6, U8	74HC573SMD	Octal Latch SMD	CID74HC573S
30	1	U7	25C640	Serial EEPROM SMD	CID25C640SN
31	1	U9	74HC138SMD	8 line decoder SMD	CID74HC138S
32	1	U10	7406SMD	Hex inv OC SMD SO14	CID7406S
33	1	U11	MAX202ESMD	RS232 Driver SMD SO16	CIDMX202ESDS
34	1	U12	NC	RS485 driver SMD SO8	
35	1	U13	74HC04/SO	Hex Inv. SMD SO14	CID74HC04S
36	8	VAR1, VAR2, VAR3, VAR4, VAR5, VAR6, VAR7, VAR8	V18MLE0805	ESD SMD protector	MOV018V085
37	2	VAR9, VAR10	NC	ESD SMD protector	
38	1	X1	NC	Osc. quarzo SMD	
39	1	X2	Q8M	Quarzo SMD HC49SMD	QRZ000008MC
40	1	X3	NC	Quarzo HC18	

SLIN0026R01V01



NOME PROGETTO: EXCITER DTVPE			NOME PARTE: USB CONNECTOR CARD				
AUTORE: F. THEI		DATA: 18/04/05	REVISIONE: 1.0	SCALA: 2:1	SIZE: A4	PAGINA: 1 DI 1	
ARCHIVIAZIONE ELETTRONICA: \\RVRUT\		CODICE PROGETTO: 034		CODICE DISEGNO: SLIN0026R01V01			
MATERIALE: <>		TRATTAMENTO: <>		PROFILO: <>		STATO: ESECUTIVO	

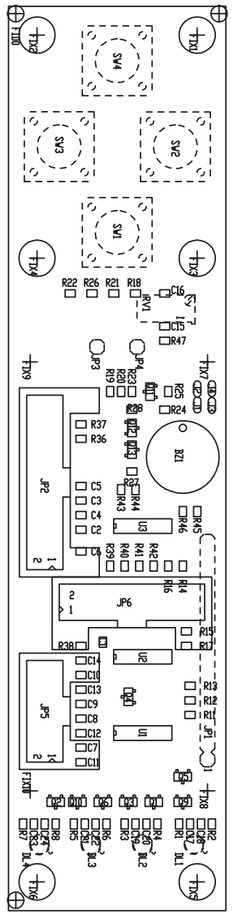


Nome Progetto:	Exciter DTVPE
Autore:	Tommasi A.
Nome PC in Rete:	\\RVRUT\
File/Cartella:	/
Pagina:	1 di 1
Size:	A4
Data:	13/07/2011
Revisione:	1.0
Autorizzazione:	
Codice Progetto:	RVR147
Nome Parte:	USB Connector Card
Codice:	SLIN0026R01V01

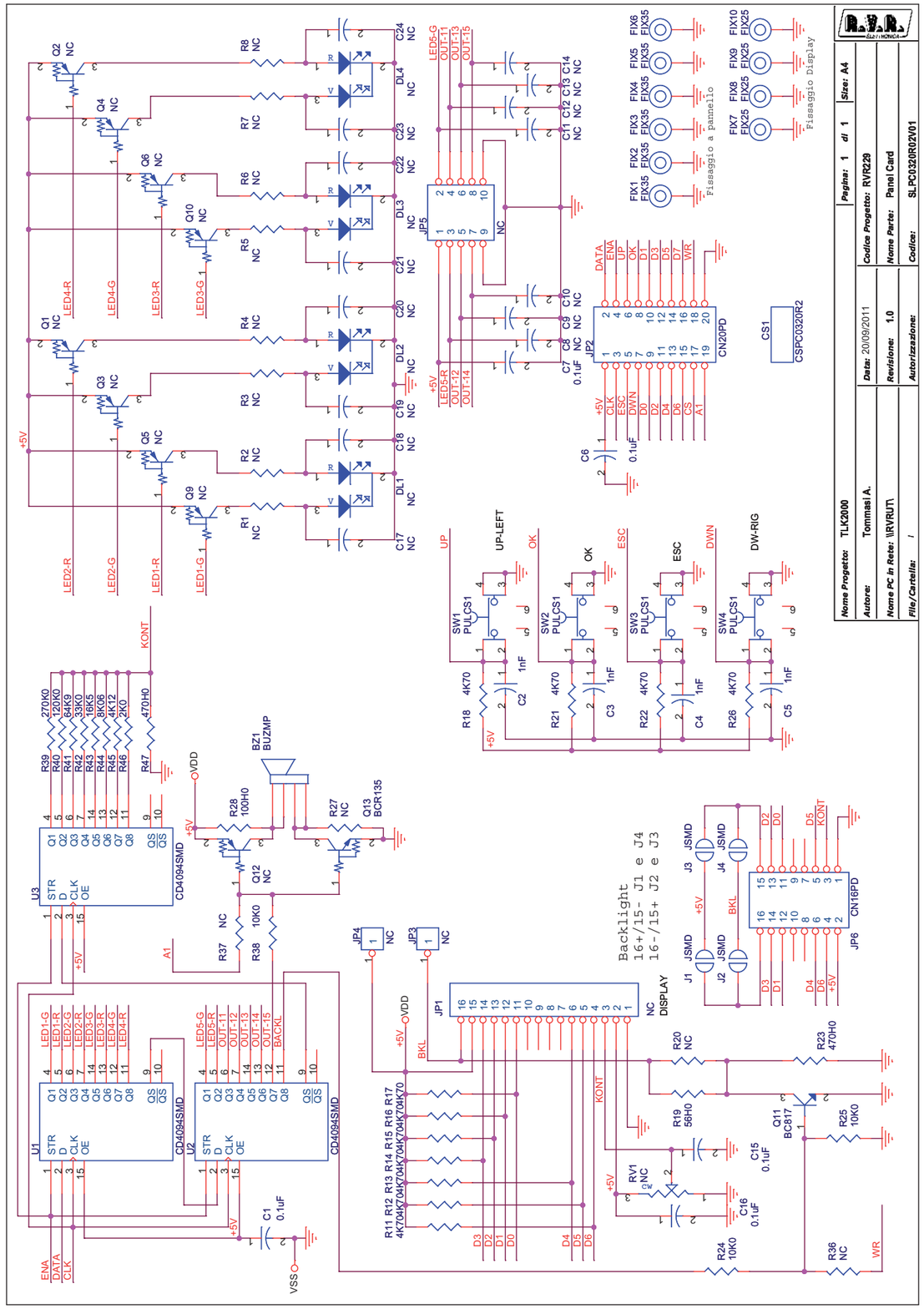
USB Connector Card Revised: Wednesday, July 13, 2011
SLIN0026R01V01 Revision: 1.0
A. Tommasi
Exciter DTVPE
RVR147

Item	Quantity	Reference	Part	Description
1	1	CN1	USB-B	Conn. Molex USB B 67265
2	1	CS1	CSIN0026R1	Circuito stampato
3	3	C1,C5,C16	10uF/16V	Cond. Elett. SMD d. 4mm
4	10	C2,C3,C4,C6,C7,C8,C9,C10, C15,C17	0.1uF	Cond. SMD 0805
5	1	C11	47nF	Cond. SMD 0805
6	2	C12,C13	27pF	Cond. SMD 0805
7	1	C14	10nF	Cond. SMD 0805
8	2	C18,C19	NC	Cond. Elett. SMD d. 4mm
9	2	C20,C21	NC	Cond. SMD 0805
10	3	D1,D4,D6	LED-Y5	LED dia. 5mm
11	2	D2,D8	LED-R5	LED dia. 5mm
12	3	D3,D5,D7	LED-G5	LED dia. 5mm
13	3	FIX1,FIX2,FIX3	FIX35	Foro fissaggio 3.5mm
14	1	JP1	CN16PD	Conn.M.C.S.Dritto 16P alette
15	1	L1	10uH	Ind. verticale SMD dia. 4 p 4.8
16	1	R1	470H0	Res. SMD 0805
17	2	R2,R3	27H0	Res. SMD 0805
18	1	R4	1K50	Res. SMD 0805
19	3	R5,R6,R10	0H0	Res. SMD 0805
20	5	R7,R8,R9,R17,R18	NC	Res. SMD 0805
21	8	R11,R12,R13,R14,R15,R16, R19,R20	390H0	Res. SMD 0805
22	1	U1	MAX202S	RS232 Driver SMD SO16
23	1	U2	FT232BM	SMD USB to RS232 interface
24	1	U3	NC	Serial EEPROM SMD
25	1	U4	NC	Stabilizzatroe SMD SO8
26	1	X1	6MHz	Quarzo SMD HC49SMD

SLPC0320R02V01



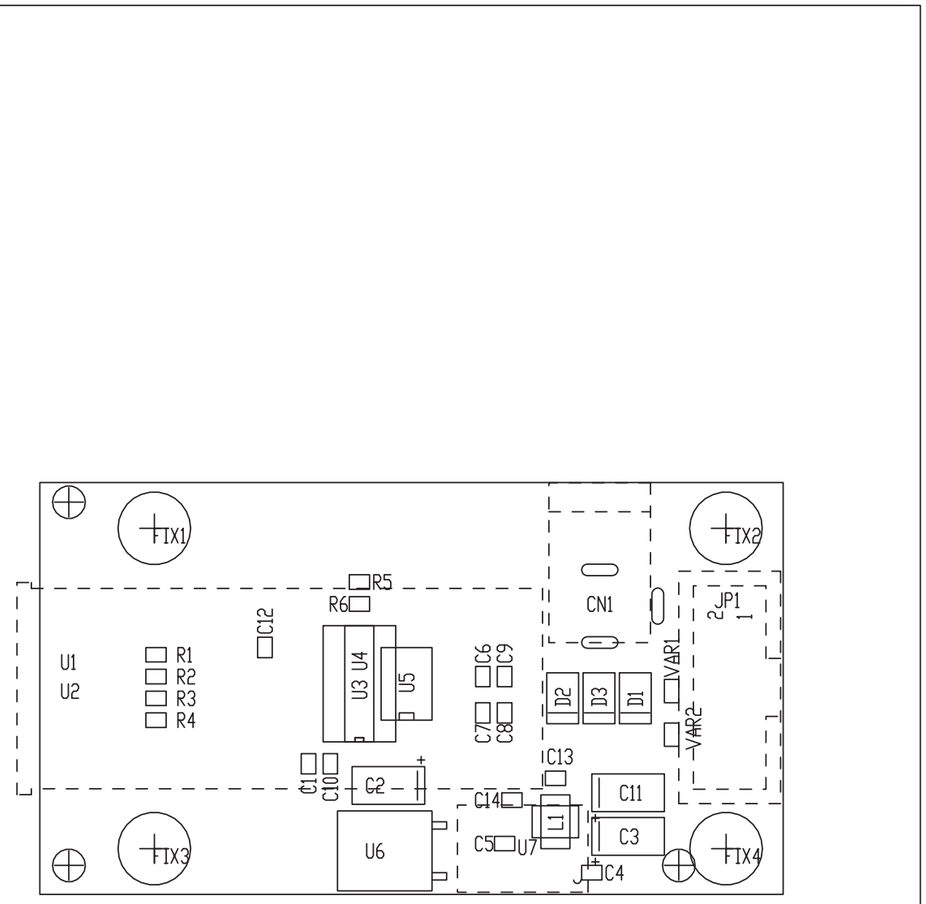
NOME PROGETTO: TLK2000			NOME PARTE: PANEL CARD					
AUTORE: A. TOMMASI		DATA: 20/09/2011	REVISIONE: 1.0	SCALA: 1:1	SIZE: A4	PAGINA: 1 DI 1		
ARCHIVIAZIONE ELETTRONICA: \\RVRUT\		CODICE PROGETTO: 229		CODICE DISEGNO: SLPC0320R02V01				
MATERIALE: <>		TRATTAMENTO: <>		PROFILO: <>		STATO: ESECUTIVO		



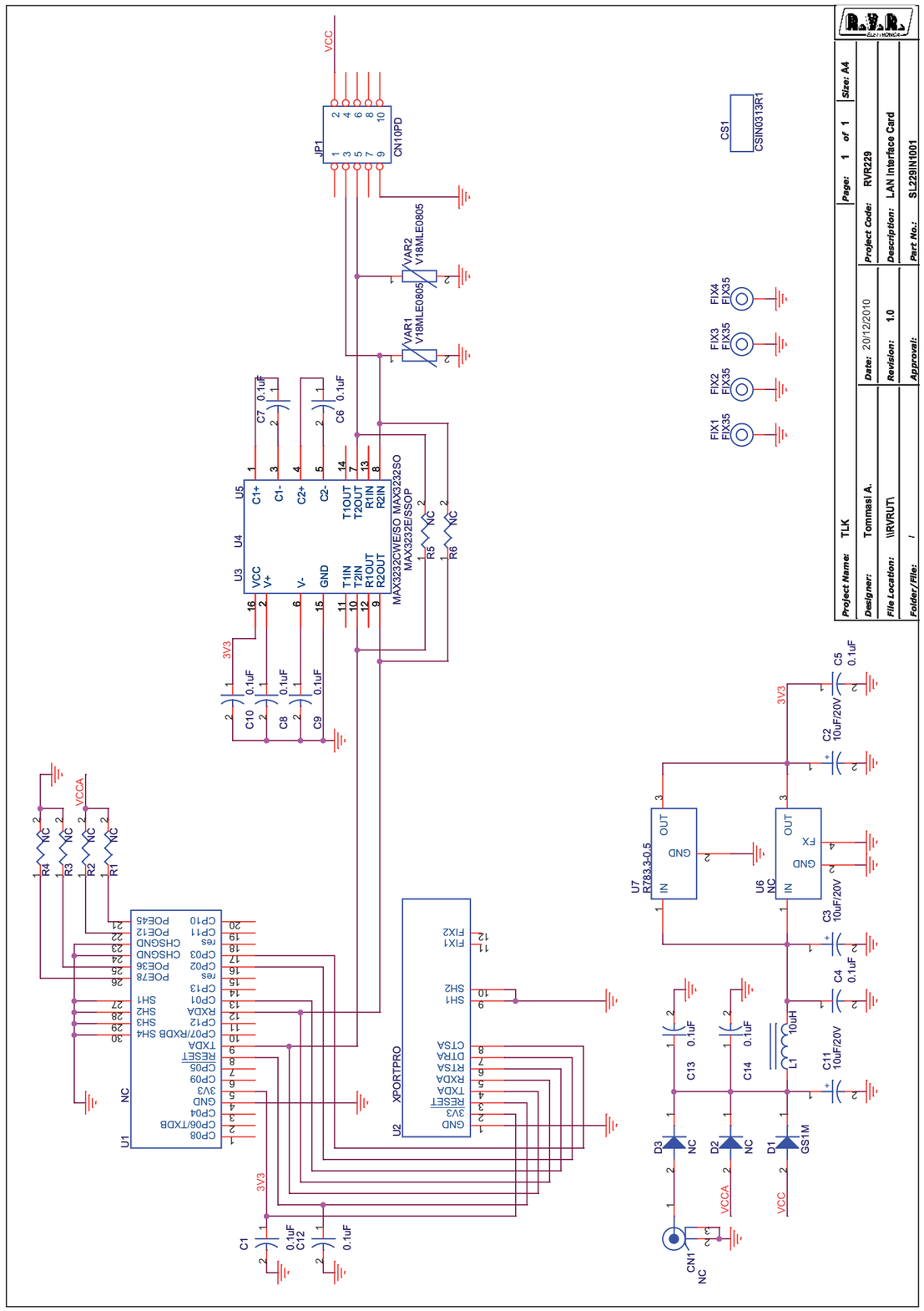
SLPC0320R02V01

Panel Card Revised: Tuesday, September 20, 2011
SLPC0320R02V01 Revision: 1.0
A. Tommasi
TLK2000
RVR229

Item	Quantity	Reference	Part	Description
1	1	BZ1	BUZMP	Buzzer TMB-05
2	1	CS1	CSPC0320R2	Circuito stampato
3	5	C1,C6,C7,C15,C16	0.1uF	Cond. SMD 0805
4	4	C2,C3,C4,C5	1nF	Cond. SMD 0805
5	15	C8,C9,C10,C11,C12,C13, C14,C17,C18,C19,C20,C21, C22,C23,C24	NC	Cond. SMD 0805
6	4	DL1,DL2,DL3,DL4	NC	Doppio led V-R 3mm Catodo com.
7	6	FIX1,FIX2,FIX3,FIX4,FIX5, FIX6	FIX35	Foro fissaggio 3.5mm
8	4	FIX7,FIX8,FIX9,FIX10	FIX25	Foro fissaggio 2.5mm
9	1	JP1	NC	Strip femmina 16 pin
10	1	JP2	CN20PD	Connettore 20 poli Flat cs
11	2	JP3,JP4	NC	Strip femmina 1 pin
12	1	JP5	NC	Connettore 10 poli Flat cs
13	1	JP6	CN16PD	Conn.M.C.S.Dritto 16P alette.
14	4	J1,J2,J3,J4	JSMD	Pad SMD a saldare
15	9	Q1,Q2,Q3,Q4,Q5,Q6,Q9,Q10, Q12	NC	Trans./Res. PNP SOT23
16	1	Q11	BC817	Trans. NPN SOT23
17	1	Q13	BCR135	Trans./Res. NPN SOT23
18	1	RV1	NC	Trimmer Rg V 3296W
19	12	R1,R2,R3,R4,R5,R6,R7,R8, R20,R27,R36,R37	NC	Res. SMD 0805 1%
20	11	R11,R12,R13,R14,R15,R16, R17,R18,R21,R22,R26	4K70	Res. SMD 0805 1%
21	1	R19	56H0	Res. SMD 0805 1%
22	2	R23,R47	470H0	Res. SMD 0805 1%
23	3	R24,R25,R38	10K0	Res. SMD 0805 1%
24	1	R28	100H0	Res. SMD 0805 1%
25	1	R39	270K0	Res. SMD 0805 1%
26	1	R40	120K0	Res. SMD 0805 1%
27	1	R41	64K9	Res. SMD 0805 1%
28	1	R42	33K0	Res. SMD 0805 1%
29	1	R43	16K5	Res. SMD 0805 1%
30	1	R44	8K06	Res. SMD 0805 1%
31	1	R45	4K12	Res. SMD 0805 1%
32	1	R46	2K0	Res. SMD 0805 1%
33	4	SW1,SW2,SW3,SW4	PULCS1	Pulsante cs
34	3	U1,U2,U3	CD4094SMD	Shift Reg. SMD SO16



NOME PROGETTO: TLK			NOME PARTE: LAN INTERFACE CARD				
AUTORE: A. TOMMASI		DATA: 20/12/2010	REVISIONE: 1.0	SCALA: 2:1	SIZE: A4	PAGINA: 1 DI 1	
ARCHIVIAZIONE ELETTRONICA: \\RVRUT\		CODICE PROGETTO: 229		CODICE DISEGNO: SL229IN1001			
MATERIALE: <>	TRATTAMENTO: <>		PROFILO: <>		STATO: ESECUTIVO		



LAN Interface Card Revised: Monday, December 20, 2010
SL229IN1001 Revision: 1.0
A. Tommasi
TLK
RVR229

Item	Quantity	Reference	Part	Description
1	1	CN1	NC	Connettore Alimentazione
2	1	CS1	CSIN0313R1	Circuito stampato
3	11	C1,C4,C5,C6,C7,C8,C9,C10, C12,C13,C14	0.1uF	Cond. SMD 0805
4	3	C2,C3,C11	10uF/20V	Cond. Elett. SMD tant. size C
5	1	D1	GS1M	Diodo SMD cont. SMA
6	2	D2,D3	NC	Diodo SMD cont. SMA
7	4	FIX1,FIX2,FIX3,FIX4	FIX35	Foro fissaggio 3.5mm
8	1	JP1	CN10PD	Connettore 10 poli Flat cs con alette
9	1	L1	10uH	Ind. verticale SMD dia. 4 p 4.8
10	6	R1,R2,R3,R4,R5,R6	NC	Res. SMD 0805
11	1	U1	NC	XPORT-AR Ethernet module
12	1	U2	XPORTPRO	XPORT-PRO Ethernet module
13	1	U3	NC	RS232 driver
14	1	U4	NC	RS232 Driver SMD SO16
15	1	U5	MAX3232E/SSOP	RS232 3V Driver SMD SSOP16
16	1	U6	NC	Stabilizzatore SMD DPAK
17	1	U7	R783.3-0.5	Switching SIP3 regulator
18	2	VAR1,VAR2	V18MLE0805	ESD SMD protector