

TRX2-U2 CONTROL-PCB PARTS LIST

NOTES	Designator	Comment	Footprint	
	C1	4n7	0603	10% X7R
	C2	4n7	0603	10% X7R
	C3	4n7	0603	10% X7R
	C4	4n7	0603	10% X7R
	C5	4n7	0603	10% X7R
	C6	4n7	0603	10% X7R
	C7	4n7	0603	10% X7R
	C8	100n	0603	20% Z5U
	C9	1u	0805	20% Z5U
	C10	1u	0805	20% Z5U
	C11	1n	0603	10% X7R
	C12	2n2	0603	10% X7R
	C13	1u	0805	20% Z5U
	C14	1u	0805	20% Z5U
	C15	22p	0603	5% NP0
	C16	10n	0603	10% X7R
	C17	10n	0603	10% X7R
	C18	100n	0603	20% Z5U
	C19	10n	0603	10% X7R
	C20	10n	0603	10% X7R
	C21	220n	0603	20% Z5U
	C22	100n	0603	20% Z5U
	C23	100n	0603	20% Z5U
	C24	1n	0603	10% X7R
	C25	1n	0603	10% X7R
	C26	100n	0603	20% Z5U
	C27	1n	0603	10% X7R
	C28	1n	0603	10% X7R
	C29	100n	0603	20% Z5U
	C30	22n	0603	10% X7R
	C31	1uF	0805	20% Z5U
	C32	220p	0603	5% NP0
	C33	100n	0603	20% Z5U
	C34	1n	0603	10% X7R
	C35	22u	TANTAL B size	6V 20%
	C36	10n	0603	10% X7R
	C37	220p	0603	5% NP0
	C38	220p	0603	5% NP0
	C39	220p	0603	5% NP0
	C40	220p	0603	5% NP0

RTX2-U2 LINK MODULE

C41	220p	0603	5% NP0
C42	220p	0603	5% NP0
C43	220p	0603	5% NP0
C44	220p	0603	5% NP0
D1	BZV55 5V6	SOD80	
D2	BZV55 5V6	SOD80	
D3	LL4148	SOD80	
D4	SA15A	1812	
IC1	LM324	SOIC 14	
IC2	TL062	SOIC 8	
IC3	LM393	SOIC 8	
IC4	AT98C2051	SOICW 20	
IC5	MCP130-450I/TT	SOT-23	
IC6	24LC00	SOIC 8	
IC7	78L05	SOIC 8	
IC8	78M08	DPACK	
IC9	SWITCH 4X	SOICW 8	
IC10	TL062	SOIC 8	
J1	D-SUB 9	DB9SLW	Male
JP1	MOLEX53253	53253	
JP2	PRINTED JUMPER		
JP3	PRINTED JUMPER		
JP6	HEADER 16	BERG 16PIN	
P2	1k	3374X	
Q1	DTC114WU	SOT-323	
Q2	DTC114WU	SOT-323	
Q3	DTC114WU	SOT-323	
Q4	DTC114WU	SOT-323	
Q5	DTC114WU	SOT-323	
Q6	DTC114WU	SOT-323	
Q7	BC847B	SOT-23	
Q8	BC857B	SOT-23	
Q9	DTA114WU	SOT-323	
Q10	BFR93A	SOT-23	
Q11	DTA114WU	SOT-323	
Q12	n.f.	SOT-23	
Q13	n.f.	SOT-23	
Q14	n.f.	SOT-23	
R1	10k	0603	5%
R2	10k	0603	5%
R3	10k	0603	5%
R4	10k	0603	5%
R5	10k	0603	5%
R6	10k	0603	5%
R7	27k	0603	5%
R8	470	0603	5%
R9	10k	0603	5%

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R10	10k	0603	5%
R11	10k	0603	5%
R12	10k	0603	5%
R13	10k	0603	5%
R14	10k	0603	5%
R15	10k	0603	5%
R16	10k	0603	5%
R17	10k	0603	5%
R18	10k	0603	5%
R19	10k	0603	5%
R20	10k	0603	5%
R21	4k7	0603	5%
R22	4k7	0603	5%
R23	4k7	0603	5%
R24	4k7	0603	5%
R25	4k7	0603	5%
R26	4k7	0603	5%
R27	4k7	0603	5%
R28	2k2	0603	5%
R29	4k7	0603	5%
R30	4k7	0603	5%
R31	1k	0603	5%
R32	4k7	0603	5%
R33	470k	0603	5%
R34	75k	0603	5%
R35	47k	0603	5%
R36	47k	0603	5%
R37	220k	0603	5%
R38	47k	0603	5%
R39	47k	0603	5%
R40	1k	0603	5%
R41	220k	0603	5%
R42	220k	0603	5%
R43	220k	0603	5%
R44	220k	0603	5%
R45	8k2	0603	5%
R46	470k	0603	5%
R47	9k1	0603	5%
R48	100	0603	5%
R49	100	0603	5%
R50	100	0603	5%
R51	10k	0603	5%
R52	1k	0603	5%
R53	8k2	0603	5%
R54	1k	0603	5%
R55	2k2	0603	5%
R56	n.f.	0603	5%

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R57	n.f.	0603	5%
R58	n.f.	0603	5%
R59	56	0603	5%
R60	56	0603	5%
R61	22k	0603	5%
R62	4k7	0603	5%
R63	220	0603	5%
R64	0	0603	5%
R65	n.f.	0603	5%
R66	220k	0603	5%
R67	0	0603	5%

TRX2-U2 RF - PCB PARTS LIST

NOTES	Designator	Comment	Footprint	
	C59	n.f.	0603	
	C118	n.f.	0603	
	C123	n.f.	0603	
	C149	n.f.	0805	
	D7	n.f.	SOD80	
	R21	n.f.	0603	
	R78	0	0603	
	R90	n.f.	0603	
	R91	n.f.	0603	
	R60	1	1206	5%
	P1	1k	3374X	
	R4	1k	0603	5%
	R10	1k	0603	5%
	R11	1k	0603	5%
	R12	1k	0603	5%
	R19	1k	0603	5%
	R29	1k	0603	5%
	R72	1k	0603	5%
	R79	1k	0603	5%
	R81	1k	0603	5%
	R33	1k2	0603	5%
	R89	1k3	0805	1%
	R24	1k5	0603	5%
	C39	1n	0603	10% X7R
	C40	1n	0603	10% X7R
	C41	1n	0603	10% X7R
	C47	1n	0603	10% X7R
	C49	1n	0603	10% X7R
	C114	1n	0603	10% X7R
	C93	1p	0603	0,5pF NP0
	C99	1p	0603	0,5pF NP0
	C148	1p	0603	0,5pF NP0
	D2	1SS356	SOD-323	
	D3	1SS356	SOD-323	
	C102	1u	0805	20% Z5U
	C103	1u	0805	20% Z5U
	C67	2-6p	POT-C	
	R50	2k2	0603	5%
	R67	2k2	0603	5%
	R68	2k2	0603	5%
	R25	2k7	0603	5%

RTX2-U2 LINK MODULE

R32	2k7	0603	5%
R65	2k7	0603	5%
R92	3k	0805	1%
C104	3p3	0603	0,5pF NP0
R30	4k7	0603	5%
R31	4k7	0603	5%
L1	4me	IND SMD 60	4T,i.d.:1mm
L2	4me	IND SMD 60	4T,i.d.:1mm
L3	4me	IND SMD 60	4T,i.d.:1mm
L4	4me	IND SMD 60	4T,i.d.:1mm
L5	4me	IND SMD 60	4T,i.d.:1mm
L6	4me	IND SMD 60	4T,i.d.:1mm
L7	4me	IND SMD 60	4T,i.d.:1mm
C17	4p	0603	0,25pF NP0
C86	4p7	0603	0,5pF NP0
C87	4p7	0603	0,5pF NP0
C109	4p7	0603	0,5pF NP0
C112	4p7	0805	0,25pF NP0
C133	4p7	0603	0,5pF NP0
C134	4p7	0603	0,5pF NP0
C119	4u7	TANTAL A size	10V 20%
C58	5p6	0603	0,5pF NP0
C60	5p6	0805	0,25pF NP0
D11	BZV55 5V6	SOD80	
D12	BZV55 5V6	SOD80	
D13	BZV55 5V6	SOD80	
D14	BZV55 5V6	SOD80	
R66	6k8	0603	5%
C7	6p8	0603	0,25pF NP0
C8	6p8	0603	0,25pF NP0
C21	6p8	0603	0,25pF NP0
C25	6p8	0603	0,5pF NP0
C42	6p8	0603	0,5pF NP0
C62	6p8	0603	0,5pF NP0
C105	6p8	0805	0,5pF NP0
C117	6p8	0603	0,5pF NP0
C3	7p	0603	0,25pF NP0
C4	7p	0603	0,25pF NP0
C5	7p	0603	0,25pF NP0
C85	8p2	0603	0,5pF NP0
C108	8p2	0603	0,5pF NP0
C146	8p2	0603	0,5pF NP0
R7	10	0603	5%
R56	10	0603	5%
R57	10	0603	5%
R58	10	0603	5%
R59	10	0603	5%

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R61	10	0603	5%
R3	10k	0603	5%
R20	10k	0603	5%
R83	10k	0603	5%
R95	10k	0603	5%
C46	10n	0603	10% X7R
C48	10n	0603	10% X7R
C54	10n	0603	10% X7R
C69	10n	0603	10% X7R
C70	10n	0603	10% X7R
C71	10n	0603	10% X7R
C72	10n	0603	10% X7R
C73	10n	0603	10% X7R
C74	10n	0603	10% X7R
C76	10n	0603	10% X7R
C78	10n	0603	10% X7R
C79	10n	0603	10% X7R
C80	10n	0603	10% X7R
C84	10n	0603	10% X7R
C122	10n	0603	10% X7R
C135	10n	0603	10% X7R
C137	10n	0603	10% X7R
C144	10n	0603	10% X7R
C145	10n	0603	10% X7R
C1	10p	0603	5% NP0
C19	10p	0603	5% NP0
C30	10p	0603	0,5pF NP0
C56	10p	0603	0,5pF NP0
C63	10p	0603	0,5pF NP0
C65	10p	0805	0,25pF NP0
C66	10p	0805	0,25pF NP0
C83	10p	0603	0,5pF NP0
C111	10p	0805	0,25pF NP0
C2	11p	0603	5% NP0
R52	12k	0603	5%
R53	12k	0603	5%
R54	12k	0603	5%
R55	12k	0603	5%
C20	12p	0603	5% NP0
C44	12p	0603	5% NP0
X5	12.8MHz	TCXO 7	
R9	15k	0603	5%
R75	15k	0603	5%
C6	15p	0603	5% NP0
C23	15p	0603	5% NP0
C53	15p	0603	5% NP0
C106	15p	0603	5% NP0

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C107	15p	0603	5% NP0
C126	15p	0603	5% NP0
R69	18k	0603	5%
R73	18k	0603	5%
R74	18k	0603	5%
L23	18nH	IND MINI SPRING	
L26	18nH	IND MINI SPRING	
L27	18nH	IND MINI SPRING	
L28	18nH	IND MINI SPRING	
L29	18nH	IND MINI SPRING	
C13	18p	0603	5% NP0
C18	18p	0603	5% NP0
C124	18p	0603	5% NP0
C12	20p	0603	5% NP0
C101	20p	0603	5% NP0
C43	22	0603	5%
R22	22	1206	5%
R63	22	0603	5%
R35	22k	0603	5%
R37	22k	0603	5%
R38	22k	0603	5%
R39	22k	0603	5%
R40	22k	0603	5%
C81	22n	0603	10% X7R
C100	22n	0603	10% X7R
C147	22n	0603	10% X7R
L18	22nH	0805	5%
L19	22nH	0805	5%
L20	22nH	0805	5%
L21	22nH	0805	5%
L24	22nH	0805	5%
L30	22nH	0805	5%
L31	22nH	0805	5%
C31	22p	0805	5% NP0
C136	22p	0603	5% NP0
C9	24p	0603	5% NP0
R1	27k	0603	5%
R41	27k	0603	5%
C57	27p	0603	5% NP0
C140	27p	0603	5% NP0
C10	30p	0603	5% NP0
C14	30p	0603	5% NP0
C15	30p	0603	5% NP0
C22	30p	0603	5% NP0
R64	33nH	0603	5%
C11	33p	0603	5% NP0
C64	33p	0603	5% NP0

RTX2-U2 LINK MODULE

C116	33p	0603	5% NP0
C115	33p	0603	5% NP0
C127	33p	1206	5% NP0
X2	44,545MHz	HC80	
X3	45G7B1	HC80-3	
X4	45G7B1	HC80-3	
R5	47	0603	5%
R84	47	0603	5%
R34	47k	0603	5%
R71	47k	0603	5%
R93	47k	0603	5%
L22	47nH	0805	5%
C32	47p	0603	5% NP0
C110	47p	0805	5% NP0
R77	56	0603	5%
R88	56	0603	5%
C125	56p	0603	5% NP0
R14	68	0603	5%
R15	68	0603	5%
R16	68	0603	5%
R17	68	0603	5%
R18	68	0603	5%
R28	68	0603	5%
R87	68	0603	5%
R97	68	0603	5%
R76	82k	0603	5%
R2	100	0603	5%
R51	100	0603	5%
R62	100	0603	5%
R82	100	0603	5%
R85	100	0603	5%
R86	100	0603	5%
R70	100k	0603	5%
R94	100k	0603	5%
C45	100n	0603	20% Z5U
C88	100n	0603	20% Z5U
C89	100n	0603	20% Z5U
C90	100n	0603	20% Z5U
C91	100n	0603	20% Z5U
C92	100n	0603	20% Z5U
C120	100n	0603	20% Z5U
C138	100n	0603	20% Z5U
C142	100n	0603	20% Z5U
C121	150p	0603	5% NP0
R27	220	0603	5%
R42	220	0603	5%
R43	220	0603	5%

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R44	220	0603	5%
R45	220	0603	5%
R46	220	0603	5%
R47	220	0805	5%
R48	220	0805	5%
R49	220	0603	5%
R36	220k	0603	5%
C95	220n	0603	20% Z5U
C97	220u	Radial 0.3rec	10%
L8	220nH	0805	5%
L9	220nH	0805	5%
L10	220nH	0805	5%
L12	220nH	0805	5%
L14	220nH	0805	5%
L16	220nH	0805	5%
L17	220nH	0805	5%
C24	220p	0603	5% NP0
C26	220p	0603	5% NP0
C27	220p	0603	5% NP0
C28	220p	0603	5% NP0
C29	220p	0603	5% NP0
C33	220p	0603	5% NP0
C34	220p	0603	5% NP0
C35	220p	0603	5% NP0
C36	220p	0603	5% NP0
C37	220p	0603	5% NP0
C38	220p	0603	5% NP0
C50	220p	0603	5% NP0
C51	220p	0603	5% NP0
C52	220p	0603	5% NP0
C55	220p	0603	5% NP0
C68	220p	0603	5% NP0
C75	220p	0603	5% NP0
C77	220p	0603	5% NP0
C82	220p	0603	5% NP0
C98	220p	0603	5% NP0
C113	220p	0603	5% NP0
C128	220p	0603	5% NP0
C129	220p	0603	5% NP0
C130	220p	0603	5% NP0
C131	220p	0603	5% NP0
C132	220p	0603	5% NP0
C139	220p	0603	5% NP0
C141	220p	0603	5% NP0
C143	220p	0603	5% NP0
C96	220u	RB.15/.3	16V 20%
R6	470	0603	5%

RTX2-U2 LINK MODULE

R8	470	0603	5%
R13	470	0603	5%
R23	470	0603	5%
R96	470	0603	5%
R26	470k	0603	5%
C16	470p	0603	5% NP0
C61	470p	0805	5% NP0
R80	560	0603	5%
L32	680nH	0805	5%
L13	910nH	0805	5%
L34	910uH	IND 5CCE	
IC3	ADE-1	ADE	
D8	BA682	SOD80	
D9	BA682	SOD80	
IC2	BA4116	TSSOP 16	
D10	BAS-70	SOT-23	
D1	BAS-70	SOT-23	
D5	BB721	SOD-123	
D6	BB721	SOD-123	
Q21	BC807B	SOT-23	
Q14	BC847B	SOT-23	
Q15	BC847B	SOT-23	
Q16	BC847B	SOT-23	
Q2	BC847CW	SOT-323	
Q3	BC847CW	SOT-323	
Q19	BC857B	SOT-23	
Q20	BC857B	SOT-23	
Q22	BCX53	SOT-89	
Q17	BFG135	SOT-223RF	
Q6	BFR93A	SOT-23	
Q1	BFR93A	SOT-23	
Q7	BFR93A	SOT-23	
Q8	BFR93A	SOT-23	
Q9	BFR93A	SOT-23	
Q10	BFR93A	SOT-23	
Q11	BFR93A	SOT-23	
Q12	BFR93A	SOT-23	
Q13	BFR93A	SOT-23	
C150	n.f.	0805	
X1	CFW455G	CERAMIC-FILTER	
Q4	DTC114WU	SOT-323	
Q5	DTC114WU	SOT-323	
L11	F.B.120	1812	
JP1	HEADER 16	BERG 16PIN	
D4	LL4148	SOD80	
IC4	LM358	SOIC 8	
IC1	LMX2316	TSSOP 16	

RTX2-U2 LINK MODULE

L15
Q18

MC152
MS1649

MC152
TO-39C