

TACTICAL TECHNOLOGIES INC

Ref Designator	Pattern	Type	Value
B1	FRECOMP	3.6V BATTERY	573-280BNK3A1H
C1	.1"SMALLCER	.1UF	.1UF CER
C2	.1"SMALLCER	.001UF	.001UF CER
C3	.1"SMALLCER	.001UF	.001UF CER
C4	.1"SMALLCER	.1UF	.1UF CER
C5	.1"SMALLCER	.1UF	.1UF CER
C6	.1"SMALLCER	.1UF	.1UF CER
C7	.1"SMALLCER	.1UF	.1UF CER
C8	.1"SMALLCER	.01UF	.01UF CER
C9	.1"SMALLCER	.1UF	.1UF CER
C10	.1"SMALLCER	.1UF	.1UF CER
C11	100RPSMALL	10UF	10UF 20V TANT
C12	.1"SMALLCER	.022UF	.022UF CER
C13	100RPSMALL	.68UF	.68UF TANT
C14	.1"SMALLCER	.01UF	.01UF CER
C15	100RPSMALL	.33UF	.33UF TANT
C16	100RPSMALL	.15UF	.15UF TANT
C17	.1"SMALLCER	.0047UF	.0047UF POLY
C18	.1"SMALLCER	.1UF	.1UF CER
C19	.1"SMALLCER	.0022UF	.0022UF POLY
C20	.1"SMALLCER	.001UF	.001UF CER
C21	CAP300	.047UF	.047UF POLY
C22	.1"SMALLCER	470PF	470PF CER
C23	CAP300	.022UF	.022UF POLY
C24	100RPSMALL	10UF	10UF 20V TANT
C25	CAP100RP	100UF	100UF 16V ELECT
C26	.1"SMALLCER	.05UF	.05UF CER
C27	100RPSMALL	10UF	10UF 20V TANT
C28	100RPSMALL	10UF	10UF 20V TANT
C29	CAP200RP	470UF	470UF 25V ELECT
C30	CAP200RP	470UF	470UF 25V ELECT
C31	100RPSMALL	10UF	10UF 20V TANT
C32	100RPSMALL	1UF	1UF 35V TANT
C34	0805-TTI	E1	15PF CHIP
C35	0805-TTI	E1	15PF CHIP
C36	1206-TTI	A5	.1UF CHIP
C37	100RPSMALL	10UF	10UF 20V TANT
C38	100RPSMALL	1UF	1UF 35V TANT
C39	.1"SMALLCER	.1UF	.1UF CER
C40	100RPSMALL	2.2UF	2.2UF TANT
C100	100RPSMALL	1UF	1UF 35V TANT
D1	RES400	914	1N914
D2	RES400	914	1N914
D3	RES400	914	1N914
D4	RES400	914	1N914
D7	RES400	914	1N914

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Ref Designator	Pattern	Type	Value
D9	RES400	914	1N914
D10	RES400	914	1N914
D11	RES400	914	1N914
D12	RES400	914	1N914
D13	RES400	914	1N914
D14	RES400	914	1N914
D15	RES400	914	1N914
D16	SOT23/A7	A7	BAV99
I1	LED	LED	RED LED
I2	LED	LED	RED LED
I3	LED	LED	RED LED
I4	LED	LED	RED LED
I5	LED	LED	RED LED
I6	LED	LED	RED LED
I7	LED	LED	RED LED
J1	FREECOMP	18 PIN MALE	18 PIN R/A MALE
J2	FREECOMP	20 PIN FEMALE	20 PIN FEMALE
J4	FREECOMP	12 PIN MALE	12 PIN R/A MALE
J5	FREECOMP	18 PIN MALE	18 PIN R/A MALE
Q1	TO92	VN2222	VN2222
Q2	TO92	VN2222	VN2222
Q3	TO92	VN2222	VN2222
Q4	TO92	VN2222	VN2222
Q5	TO92	VN2222	VN2222
Q6	TO92	VN2222	VN2222
Q7	TO92	VN2222	VN2222
Q8	TO92	VN2222	VN2222
Q9	TO92	VN2222	VN2222
Q10	HEXFET	9120	9120 HEXFET
Q11	TO92	VN2222	VN2222
Q12	HEXFET	9120	9120 HEXFET
Q13	TO92	VN2222	VN2222
Q15	HEXFET	9120	9120 HEXFET
R1	RES400	1.2K	1.2K 1/4W
R2	RES400	33K	33K 1/4W
R3	RES400	33K	33K 1/4W
R4	RES400	2.2K	2.2K 1/4W
R5	RES400	470K	470K 1/4W
R6	RES400	15 OHM	15 OHM 1/4W
R7	RES400	470	470 OHM 1/4W
R8	RES400	1.2K	1.2K 1/4W
R9	FREECOMP	25K	25K SLIDE POT
R10	RES400	470	470 OHM 1/4W
R11	RES400	470	470 OHM 1/4W
R12	RES400	47K	47K 1/4W
R13	RES400	470K	470K 1/4W

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Ref Designator	Pattern	Type	Value
R14	RES400	33K	33K 1/4W
R15	RES400	33K	33K 1/4W
R16	RES400	470K	470K 1/4W
R17	RES400	33K	33K 1/4W
R18	RES400	33K	33K 1/4W
R19	FREECOMP	25K	25K SLIDE POT
R20	RES400	470K	470K 1/4W
R21	RES400	470K	470K 1/4W
R22	RES400	470	470 OHM 1/4W
R23	RES400	47K	47K 1/4W
R24	RES400	470	470 OHM 1/4W
R25	RES400	620	620 OHM 1/4W
R26	FREECOMP	25K	25K SLIDE POT
R27	FREECOMP	25K	25K SLIDE POT
R28	RES400	2.4K	2.4K 1/4W
R29	FREECOMP	25K	25K SLIDE POT
R30	FREECOMP	25K	25K SLIDE POT
R31	.1"VERTRES	330	330 OHM 1/4W
R32	.1"VERTRES	330	330 OHM 1/4W
R33	.1"VERTRES	330	330 OHM 1/4W
R34	.1"VERTRES	330	330 OHM 1/4W
R35	.1"VERTRES	5.6K	5.6K 1/4W
R36	.1"VERTRES	5.6K	5.6K 1/4W
R37	.1"VERTRES	5.6K	5.6K 1/4W
R38	.1"VERTRES	5.6K	5.6K 1/4W
R39	.1"VERTRES	330	330 OHM 1/4W
R40	.1"VERTRES	5.6K	5.6K 1/4W
R41	.1"VERTRES	390	390 OHM 1/4W
R42	.1"VERTRES	5.6K	5.6K 1/4W
R43	.1"VERTRES	100K	100K 1/4W
R44	.1"VERTRES	100K	100K 1/4W
R45	.1"VERTRES	100K	100K 1/4W
R46	.1"VERTRES	100K	100K 1/4W
R47	.1"VERTRES	3.3K	3.3K 1/4W
R48	.1"VERTRES	100K	100K 1/4W
R49	.1"VERTRES	100K	100K 1/4W
R50	.1"VERTRES	3.3K	3.3K 1/4W
R51	.1"VERTRES	150K	150K 1/4W
R52	.1"VERTRES	470K	470K 1/4W
R53	.1"VERTRES	100K	100K 1/4W
R54	.1"VERTRES	2.2K	2.2K 1/4W
R55	.1"VERTRES	220K	220K 1/4W
R56	.1"VERTRES	2.2K	2.2K 1/4W
R57	POT1T	10K	10K POT
R58	.1"VERTRES	2.2 OHM	2.2 OHM 1/4W
R59	RES400	47K	47K 1/4W

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Ref Designator	Pattern	Type	Value
R60	1206-TTI	103	10K CHIP
R61	1206-TTI	103	10K CHIP
R62	1206-TTI	103	10K CHIP
R63	1206-TTI	103	10K CHIP
R64	1206-TTI	103	10K CHIP
R65	1206-TTI	103	10K CHIP
R66	1206-TTI	103	10K CHIP
R67	RES400	100K	100K 1/4W
R68	1206-TTI	100	10 OHM CHIP
R69	RES400	2.2K	2.2K 1/4W
R70	1206-TTI	103	10K CHIP
R71	1206-TTI	474	470K CHIP
R72	RES400	22 OHM	22 OHM 1/4W
R100	RES400	1.5K	1.5K 1/4W
R101	POT1T	5K	5K POT
R102	RES400	3.6K	3.6K 1/4W
R104	RES400	100K	100K 1/4W
R105	RES400	100K	100K 1/4W
SKT1	DIP18	18 PIN SOCKET	PIC16C71
U1	TDIP14	4081	4081 DIP
U2	TDIP14	4013	4013 DIP
U3	TDIP16	4040	4040 DIP
U4	TDIP16	4028	4028 DIP
U5	TDIP14	4013	4013 DIP
U6	TDIP14	4013	4013 DIP
U7	TDIP16	4049	4049 DIP
U8	TDIP14	LM324	LM324 DIP
U9	TDIP14	LM324	LM324 DIP
U10	TDIP14	LM380	LM380 14PIN DIP
U11	FRECOMP	PIC16C84	STI PREPROGRAMED
U12	TDIP8	LM393	LM393 (DIP)
U13	TDIP8	7555	ICM7555
U14	TDIP8	24CL16	24CL16
VR1	TO220W/H	7805	7805 (TO220)
X1	3-XXTAL	3.579545 MHZ	3.579545 XTAL
Z2	RES400	1N957	1N957 6.8V ZENER

TACTICAL TECHNOLOGIES INC

Ref Designator	Pattern	Type	Value
B1	BR(RND)90*	RB152	DR152
C1	FREECOMP	4700UF 25V	CD052
C2	CAP100RP	10UF	CC024
D1	1N4000	1N5817	DF817
D2	1N4000	1N5817	DF817
D3	1N4000	1N4001	DR001
D4	1N4000	1N5817	DF817
PCB1	FREECOMP	PCB	MP111
PN1	FREECOMP	PEM NUT	HN001
PN2	FREECOMP	PEM NUT	HN001
PN3	FREECOMP	PEM NUT	HN001
Q1	TO92	KN2222	QA222
Q2	MJE-500-700	MJE371	QA371
R1	RES800	.5 OHM	RM011
R2	1206-TTI	680	RB680
R3	1206-TTI	222	RB222
R4	POT-1T	500	RV501
R5	1206-TTI	222	RB222
R6	1206-TTI	241	RB241
R7	RES400	10	RC100
R8	1206-TTI	473	RB473
R9	1206-TTI	473	RB473
R10	RES400	2.7K	RC272
R11	RES400	620K	RC624
R12	POT1T/V	50K	RP503
R13	1206-TTI	684	RB684
R14	POT1T/V	5K	RP502
R15	RES400	510K	RC514
T1	LEONXFMR	ST-6-24	MT000
U1	SO14	4025	US025
VD1	TO92-VDET	8054-HNM	UV000
VR1	TO220W/H	LM317	UR001
VR2	TO220W/H	L78S15	UR079
Z1	1N4000	1N4738	DZ001

TACTICAL TECHNOLOGIES INC

Ref Designator	Pattern	Type	Value
C1	JELLYBEANCAP	BLUE	TZ03Z100ER169
C2	JELLYBEANCAP	BLUE	TZ03Z100ER169
C3	JELLYBEANCAP	BLUE	TZ03Z100ER169
C4	JELLYBEANCAP	BLUE	TZ03Z100ER169
C5	JELLYBEANCAP	BLUE	TZ03Z100ER169
C6	0805-TTI	S0	4.7PF CHIP
C7	0805	E1	15PF CHIP
C8	0805	A0	1PF CHIP
C9	0805	E1	15PF CHIP
C10	0805-TTI	S0	4.7PF CHIP
C11	0805-TTI	A4	.01UF CHIP
C12	100RPSMALL	1UF	1UF 35V TANT
C13	0805-TTI	A3	1000PF CHIP
C14	0805-TTI	S0	4.7PF CHIP
C15	0805	E1	15PF CHIP
C16	0805	A0	1PF CHIP
C17	0805	E1	15PF CHIP
C18	0805	A0	1PF CHIP
C19	0805	E1	15PF CHIP
C20	0805-TTI	S0	4.7PF CHIP
C21	0805	A3	1000PF CHIP
C22	0805-TTI	A3	1000PF CHIP
C23	1206-TTI		
C24	0805	A3	1000PF CHIP
C25	0805	A3	1000PF CHIP
C26	0805-TTI	A3	1000PF CHIP
C27	1206-TTI	A5	.1UF CHIP
C28	0805-TTI	A4	.01UF CHIP
C29	0805-TTI	A2	100PF CHIP
C30	0805-TTI	C1	12PF CHIP
C31	0805-TTI	A1	10PF CHIP
C32	0805-TTI	A2	100PF CHIP
C39	0805-TTI	J1	22PF CHIP
C40	0805-TTI	A4	.01UF CHIP
C41	A-TAN-120/60	6.8UF	6.8UF 6V CHIP
C42	A-TAN-120/60	6.8UF	6.8UF 6V CHIP
C43	0805-TTI	S0	4.7PF CHIP
C44	0805-TTI	A4	.01UF CHIP
C45	0805-TTI	C1	12PF CHIP
C46	0805-TTI	C1	12PF CHIP
C47	1206-TTI	A5	.1UF CHIP
C48	1206-TTI	A5	.1UF CHIP
C49	0805-TTI	A3	1000PF CHIP
C50	A-TAN-120/60	1.5UF	1.5UF CHIP
C51	0805-TTI	C1	12PF CHIP
C52	0805-TTI	A3	1000PF CHIP

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Ref Designator	Pattern	Type	Value
C53	0805-TTI	A4	.01UF CHIP
C54	100RPSMALL	10UF	10UF 20V TANT
C55	1206-TTI	A5	.1UF CHIP
C56	1206-TTI	A5	.1UF CHIP
C57	1206-TTI	A5	.1UF CHIP
C58	0805-TTI	S1	47PF CHIP
C59	0805-TTI	A1	10PF CHIP
C60	0805-TTI	A3	1000PF CHIP
C61	0805-TTI	A4	.01UF CHIP
C62	1206-TTI	A5	.1UF CHIP
C63	0805-TTI	A3	1000PF CHIP
C64	0805-TTI	A4	.01UF CHIP
C65	0805-TTI	A4	.01UF CHIP
C66	0805-TTI		
C67	100RPSMALL	10UF	10UF 20V TANT
C68	1206-TTI	A5	.1UF CHIP
C69	1206-TTI	A5	.1UF CHIP
C70	1206-TTI	A5	.1UF CHIP
C71	0805-TTI	S1	47PF CHIP
C72	0805-TTI	A3	1000PF CHIP
C73	0805-TTI	S4	.047UF CHIP
C74	0805-TTI	A3	1000PF CHIP
C75	1206-TTI	A5	.1UF CHIP
C76	100RPSMALL	6.8UF	6.8UF 16V TANT
C77	1206-TTI	A5	.1UF CHIP
C78	0805-TTI	A4	.01UF CHIP
C79	1206-TTI	A5	.1UF CHIP
C80	0805-TTI	A4	.01UF CHIP
C81	100RPSMALL	10UF	10UF 20V TANT
C84	0805-TTI	S4	.047UF CHIP
C85	100RPSMALL	10UF	10UF 20V TANT
C86	100RPSMALL	2.2UF	2.2UF 20V TANT
C87	CAP100RP	100UF	100UF 16V ELECT
C88	0805-TTI	A3	1000PF CHIP
C89	0805-TTI	A3	1000PF CHIP
C90	1206-TTI	A5	.1UF CHIP
C91	1206-TTI	A5	.1UF CHIP
C92	A-TAN-120/60	3.3UF	3.3UF 6.3V CHIP
C93	100RPSMALL	10UF	10UF 20V TANT
C94	0805-TTI	A4	.01UF CHIP
C95	100RPSMALL	1UF	1UF 35V TANT
C96	0805-TTI	A2	100PF CHIP
C98	0805-TTI	A2	100PF CHIP
C99	0805-TTI	A2	100PF CHIP
C100	1206-TTI	A5	.1UF CHIP
C101	1206-TTI	A5	.1UF CHIP

TACTICAL TECHNOLOGIES INC

Ref Designator	Pattern	Type	Value
C102	0805-TTI	A4	.01UF CHIP
C103	0805-TTI	A4	.01UF CHIP
D1	RES400	914	1N914
D2	TO92-101	MD101	MD101 DIODE
D3	SOT23/A7	A7	BAV99
D4	.3"-DIODE	914	1N914
DBM1	TUFMIX	TUF-1	MINI-CKT TUF-1
FL1	UR455E	455E	MURATA 455E FILT
FLT1	XFM-214H/8POLE	8 POLE FILTER	KVG XFM-214H
J1	FREECOMP	2PIN MALE	
J2	2MM8POSCONN		
J3	FREECOMP	20 PIN MALE	20PIN DOUBLE ROW
L	142-143-144COIL	ORG	144-03J12S
L1	142-143-144COIL	ORG	144-03J12S
L3	FREECOMP	FB	FERRITE BEAD
L4	142-143-144COIL	ORG	144-03J12S
L5	142-143-144COIL	ORG	144-03J12S
L6	142-143-144COIL	ORG	144-03J12S
L7	RES400	2.2UH	2.2UH RFC
L8	SM-RFC	2.2UH	2.2UH (SM)
L9	TOKO-1044	1044	TOKO 1044
L10	FREECOMP	T-030-W/SHIELD	
L11	146-150N/H	ORG	146-03J08S
L12	KELIF	YEL	DISC COIL
L13	TOKO-1044	1044	TOKO 1044
Q1	MAR	MAR6	MINI CKTS MAR6
Q2	SOT23/XSTR	P2	BFR92
Q3	SOT23/XSTR	P2	BFR92
Q4	SOT23/XSTR	702	2N7002
Q6	SOT23/XSTR	702	2N7002
Q7	SOT23/XSTR	1Q	MMBT5088
Q8	SOT23/XSTR	702	2N7002
Q9	SOT23/XSTR	702	2N7002
R1	1206-TTI	101	100 OHM CHIP
R2	1206	104	100K CHIP
R3	1206	104	100K CHIP
R4	1206	104	100K CHIP
R5	1206	104	100K CHIP
R6	1206	104	100K CHIP
R7D	1206-TTI	103	10K CHIP
R8	1206-TTI	220	22 OHM CHIP
R9	1206-TTI	220	22 OHM CHIP
R11	1206-TTI	102	1K CHIP
R12	1206-TTI	102	1K CHIP
R13	1206-TTI	100	10 OHM CHIP
R17	1206-TTI	392	3.9K CHIP

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Ref Designator	Pattern	Type	Value
R18	1206-TTI	101	100 OHM CHIP
R19	1206-TTI	101	100 OHM CHIP
R20	1206-TTI	223	22K CHIP
R21	1206-TTI	103	10K CHIP
R22	1206-TTI	331	330 OHM CHIP
R23	POT1T	100K	100K POT
R25	1206-TTI	333	33K CHIP
R26	1206-TTI	220	22 OHM CHIP
R27	1206-TTI	4R7	4.7 OHM CHIP
R28	1206-TTI	823	82K CHIP
R29	1206-TTI	103	10K CHIP
R30	1206-TTI	103	10K CHIP
R31	1206-TTI	103	10K CHIP
R32	1206-TTI	474	470K CHIP
R33	1206-TTI	474	470K CHIP
R36	1206-TTI	331	330 OHM CHIP
R37	1206-TTI	183	18K CHIP
R38	1206-TTI	103	10K CHIP
R39	1206-TTI	334	330K CHIP
R40	1206-TTI	471	470 OHM CHIP
R41	1206-TTI	334	330K CHIP
R42	1206-TTI	222	2.2K CHIP
R43	1206-TTI	224	220K CHIP
R44	1206-TTI	224	220K CHIP
R45	1206-TTI	224	220K CHIP
R46	1206-TTI	823	82K CHIP
R47	1206-TTI	104	100K CHIP
R48	1206-TTI	104	100K CHIP
R49	POT1T	100K	100K POT
R50	1206-TTI	100	10 OHM CHIP
R51	1206-TTI	472	4.7K CHIP
R52	1206-TTI	683	68K CHIP
R53	1206-TTI	104	100K CHIP
R54	1206-TTI	102	1K CHIP
R55	1206-TTI	474	470K CHIP
R56	1206-TTI	474	470K CHIP
R57	1206-TTI	564	560K CHIP
R58	1206-TTI	104	100K CHIP
R59	1206-TTI	104	100K CHIP
R60	1206-TTI	224	220K CHIP
R62	POT1T	10K	10K POT
R63	1206-TTI	104	100K CHIP
R64	1206-TTI	104	100K CHIP
R65	1206-TTI	104	100K CHIP
RY1	FRECOMP	12V RELAY	LM44D00
U2	SO8	LM358	LM358 (SM)

TACTICAL TECHNOLOGIES INC

Ref Designator	Pattern	Type	Value
U3	TDIP8	12022	12022 DIP
U4	SO16	MC3371	MC3371 (SM)
U5	TDIP8	386	LM386 (DIP)
U6	TDIP8	LM358	LM358 (DIP)
U7	DIP20	145156	145156 (DIP)
U8	TDIP14	4066	4066 (DIP)
U9	TDIP14	4066	4066 (DIP)
U10	TDIP14	4069	4069 (DIP)
V1	SOT23/VAR	S1	BBY31
V2	SOT23/VAR	S1	BBY31
V3	SOT23/VAR	S1	BBY31
V4	SOT23/VAR	S1	BBY31
V5	SOT23/VAR	S1	BBY31
V6	SOT23/VAR	S1	BBY31
VR1	TO92	LP2950	LP2950 REGULATOR
VR2	TO92	LP2950	LP2950 REGULATOR
X2	2-XXTAL	20.945	20.945MHZ TEMEX
XM3	FREECOMP	5.12MHZ TCXO	SUB ASSY