

BILLS OF MATERIAL FOR Titan "T"

CIRCUIT SYMBOL	DESCRIPTION	PART NO.
RIC, TRANSISTORS & DIODES		
IC-3	Integrated Circuit, μ P0858C	DDEY050001
IC-4	Integrated Circuit, MB84011U	DDEY080001
IC-5	Integrated Circuit, UHC-004	DDEY087001
IC-1	Integrated Circuit, μ PC1156H	DDEY091001
IC-201	Integrated Circuit, μ PC592H2	DDEY097001
IC-2	Integrated Circuit, NJM78L05A	DDEY088001
TR-2,12	FET, 2SK55 D	DDCY006001
TR-9	FET, 3SK45-B	DDCY104001
TR-16	Transistor, 2SC1342-B	DDCY104003
TR-17	Transistor, 2SC1680	DDCY227001
TR-11,13,14,16,17,202	Transistor, 2SC0468C	DDCY227002
TR-8	Transistor, 2SC2076-CB	DDCY233001
TR-7	Transistor, 2SC2091	DDCY289001
TR-6	Transistor, 2SC2092	DDCY289001
TR-201	Transistor, 2SA844-C	DDCY008001
TR-15	Transistor, 2SA673-C	DDCY007002
TR-203	Transistor, 2SD467-C	DDBY410001
DI-2,3,7,14,16,18	Diode, 15Z473 D-Type Forming Lead	DDAY048012
DI0,11	Diode, SR1K-1	DDAY002001
DI4,5,8,9	IN60AM	DDAY001022
DI6,12,13	Diode, 15Z473-K D-Type Forming Lead	DDAY048013
DI15,17	Zenor Diode, CZ-092 D-Type Forming Lead	DDAY010005
DI201	Light Emitting Diode, LK04023	DDAY084001
D501	Light Emitting Diode, LR0702R	DDAY073001
COILS & TRANSFORMERS		
L-1	Coil, LA-029	LLAY029001
L-6	Coil, LA-163	LLAY163001
L-2	Coil, LA-194	LLAY194001
L-3	Coil, LA-180	LLAY180001
L-4	Coil, LA-181	LLAY181001
L-5	Coil, LA-182	LLAY182001
L-7	Coil, LA-183	LLAY183001
L-8	Coil, LA-184	LLAY184001
L-17	Coil, LA-185	LLAY185001
L-24	Coil, LA-193	LLAY193001
L-10	Coil, LA-186	LLAY186001
L-21	Coil, LA-187	LLAY186001
L-16	Coil, LA-189	LLCY017001
L-15	Coil, LC-017	LLCY017001
L-10,12	Coil, LC-018	LLCY018001
L-13	Coil, LC-020	LLCY020001
L-9	Coil, LD-012	LLDY012001
L-22	Coil, LD-073	LLDY073001
L-23	Micro Inductor, LZ-002 1.2 μ	LLZY002002
L-501,502	Micro Inductor, LZ-001 100 μ	LLZY001013
	Bead Core, LD-072	LLDY072001

CIRCUIT SYMBOL	DESCRIPTION	PART NO.
COILS & TRANSFORMERS (Continued)		
L-14,29	Bead Core, LD-075	LLDY075001
L-25,26,27,28	Bead Core, LD-080	LLDY080001
T-2	Choke Transformer, TF-017	TTY017001
T-1	Output Power Transformer, TF-107	TTY107001
VARIABLE RESISTORS		
VR-2	Semi-fixed Variable Resistor, RV-133 5K Ω	RRVY133005
VR-1	Semi-fixed Variable Resistor, RV-133 20K Ω	RRVY133007
VR-202	Semi-fixed Variable Resistor, RV-133 50K Ω	RRVY133009
VR-201	Variable Resistor, RV-193 20K Ω	RRVY183001
	Variable Resistor, TV-194 50K Ω	RRVY194001

RESISTORS		
R-38	Carbon Film Resistor 3.3 ohm 1/8W	REPZ183394
R-15,68	Carbon Film Resistor 10 ohm 1/8W	REPZ181004
R-41	Carbon Film Resistor 15 ohm 1/8W	REPZ181504
R-40,44	Carbon Film Resistor 47 ohm 1/8W	REPZ184704
R-16,39,45,90	Carbon Film Resistor 100 ohm 1/8W	REPZ180014
R-35	Carbon Film Resistor 120 ohm 1/8W	REPZ181214
R5,8,11,19	Carbon Film Resistor 220 ohm 1/8W	REPZ182214
R-20,66,81	Carbon Film Resistor 330 ohm 1/8W	REPZ183314
R-34,57	Carbon Film Resistor 560 ohm 1/8W	REPZ185614
R-21,27	Carbon Film Resistor 680 ohm 1/8W	REPZ186814
R-21,27	Carbon Film Resistor 1K ohm 1/8W	REPZ181024
R-12,67	Carbon Film Resistor 1.5K ohm 1/8W	REPZ181524
R-7,70,82,88,210	Carbon Film Resistor 2.2K ohm 1/8W	REPZ182224
R-42	Carbon Film Resistor 2.7K ohm 1/8W	REPZ182724
R-2,9,13,18,64,92,95	Carbon Film Resistor 3.3K ohm 1/8W	REPZ183324
R-51,89,204	Carbon Film Resistor 4.7K ohm 1/8W	REPZ184724
R-88,214,302	Carbon Film Resistor 5.6K ohm 1/8W	REPZ185624
R-96,211	Carbon Film Resistor 6.8K ohm 1/8W	REPZ186824
R-31	Carbon Film Resistor 8.2K ohm 1/8W	REPZ188224
R-1,7,43,53,54,59,60,	Carbon Film Resistor 10K ohm 1/8W	REPZ181034
R-61,87,91,101,207,208	Carbon Film Resistor 15K ohm 1/8W	REPZ181534
R-21,27	Carbon Film Resistor 22K ohm 1/8W	REPZ182234
R-36,49,205	Carbon Film Resistor 33K ohm 1/8W	REPZ183334
R-32	Carbon Film Resistor 47K ohm 1/8W	REPZ184734
R-23	Carbon Film Resistor 56K ohm 1/8W	REPZ185634
R-50	Carbon Film Resistor 68K ohm 1/8W	REPZ186834
R-24,26,47,48,66	Carbon Film Resistor 100K ohm 1/8W	REPZ181044
61,63,83,91	Carbon Film Resistor 150K ohm 1/8W	REPZ181544
R-85	Carbon Film Resistor 180K ohm 1/8W	REPZ181844
R-25	Carbon Film Resistor 220K ohm 1/8W	REPZ182244
R-71,93	Carbon Film Resistor 330K ohm 1/8W	REPZ183344
R-22,80	Carbon Film Resistor 1.5M ohm 1/8W	REPZ181554
R-84	Carbon Film Resistor 2.2M ohm 1/8W	REPZ182254
R-94	Carbon Film Resistor 39K ohm 1/8W	REPZ183934
R-216	Carbon Film Resistor 10 ohm 1/8W	RPBZ181004
R-37		

CIRCUIT SYMBOL	DESCRIPTION	PART NO.
RESISTORS (Continued)		
R-46	Carbon Film Resistor 220 ohm 1/8W	RPBZ182214
R-213	Carbon Film Resistor 47K ohm 1/8W	RPBZ184734
R-99	Carbon Film Resistor 470K ohm 1/8W	RPBZ184744
R-303	Carbon Film Resistor 10 ohm 1/2W	RPBZ121004
R-104,217	Carbon Film Resistor 47 ohm 1/2W	RPBZ124704
R-304	Carbon Film Resistor 68 ohm 1/2W	RPBZ126804
R-69	Carbon Film Resistor 100 ohm 1/2W	RPBZ121014
R-102	Carbon Film Resistor 2.2 ohm 1W	RSJZ102295
R-103	Metal Film Resistor 22 ohm 1W	RSJZ102205
R-101	Metal Film Resistor 82 ohm 1W	RSJE108205
R-100	Metal Film Resistor 200 ohm 2W	RSJZ202015
RR-401,402	Compound Parts, HA-008	HHAY088001
RR-1	Compound Parts, HA-008	HHAY006001

CAPACITORS		
C-99	Electrolytic Capacitor 0.47 μ F 50V	CELFB14780
C-27,212	Electrolytic Capacitor 1 μ F 50V	CELFB11690
C-32,93,98,101,218	Electrolytic Capacitor 2.2 μ F 25V	CELF512780
C-15	Electrolytic Capacitor 4.7 μ F 25V	CELF512790
C-24,91,204,207	Electrolytic Capacitor 10 μ F 16V	CELF511000
C63,102,105,208	Electrolytic Capacitor 33 μ F 16V	CELF513300
C-120	Electrolytic Capacitor 100 μ F 25V	CELF511010
C-80,109,110,114,115	Electrolytic Capacitor 220 μ F 16V	CELF312210
C-67,78	Electrolytic Capacitor 470 μ F 6.3V	CELF904710
C-112	Electrolytic Capacitor 2.2 μ F 16V	CELF314710
C-88,69	Tantalum Capacitor	CSEN312290
C-32,201,202,210	Solid Aluminum Electrolytic Capacitor 0.1 μ F 16V	CAAH311080
C-71,96	Solid Aluminum Electrolytic Capacitor 0.22 μ F 16V	CAAH312280
C-18	Ceramic Capacitor 1.5pF 50V C	CCB811691
C-64	Ceramic Capacitor 1.5pF 50V C	CCB811691
C-82	Ceramic Capacitor 5pF 50V C	CCR8115091
C-65	Ceramic Capacitor 7pF 50V D	CCR8117092
C-2	Ceramic Capacitor 12pF 50V J	CCR8811204
C-84	Ceramic Capacitor 22pF 50V J	CCR8812204
C-33	Ceramic Capacitor 47pF 50V J	CCR8814704
C-60	Ceramic Capacitor 56pF 50V J	CCR8815604
C-39	Ceramic Capacitor 100pF 50V J	CCR8811014
C-69	Ceramic Capacitor 180pF 50V J	CCR8811814
C-97	Ceramic Capacitor 330pF 50V J	CCR8813314
C-31,90,100	Mylar Capacitor 0.0022 μ F 50V K	COMEB12225
C-19,72,79,108	Mylar Capacitor 0.01 μ F 50V K	COMEB11035
C-206	Mylar Capacitor 0.022 μ F 50V K	COMEB12235
C-22,104,106,119	Mylar Capacitor 0.039 μ F 50V K	COMEB13935
C-14,76	Ceramic Capacitor 0.068 μ F 50V K	COMEB16635
C-20,205,501	Ceramic Capacitor 5pF 50V K	SL
C-103	Ceramic Capacitor 22pF 50V K	SL
C-43,45,94,95,223	Ceramic Capacitor 80pF 50V K	SL
C-81	Ceramic Capacitor 100pF 50V K	SL
C-44,107	Ceramic Capacitor 150pF 50V K	SL
C-40	Ceramic Capacitor 220pF 50V K	SL
C-47,203	Ceramic Capacitor 300pF 50V K	SL

MISCELLANEOUS		
XF-1	Ceramic Filter, FL-047	FFLY047001
XF-2		FFLY049001
S-401	Rotary Switch, SR-155	SSRY155001
SP-301	Lever Switch, SW-091	SSWY091001
M-501	Speaker, SP-003	ASPY003001
J-501	Meter, MT-070	ZMTY070001
J-502	Microphone, MK-041	AMKY041001
J-501	M-Type Connector, JK-035	JKY035001
J-502	Jack, JK-072	JKY072001
P-1	Jack, JK-075	JKY075001
J-201	Jack, JK-061	JKY039010
J-204	Jack, JK-075	JKY075003
J-203	Jack, JK-075	JKY061009
J-401	Jack, JK-061	JKY075010
J-202	Jack, JK-077	JKY077003
P-301	Jack, JK-077	JKY077006
P-2	Jack, JK-076	JKY076009
P-3	Jack, JK-076	JKY076014
PL-501	SP Jack, JK-082 200m/m	JKY082001
YD-032	Pilot Lamp, PZ-007 14V 80mA	VYZY007001
YD-034	Insulation sheet, SK-18A for 25C2091	ZYDY032001
TP-1,3,4,5,6	Insulation sheet, SK-16B for 25C2092	ZYDY033001
TP-2,JP-1,202,212,213,301	Insulation sheet for JPC1156H	ZYDY034001
	Jack Terminal, JT-029	JTYJ029001
	Jumper Wire, YY-052	ZYYJ052001

Trimmer Capacitor, CV-023 20pF	CCVY023005
Compound Parts HA-003	HHAY003001

CRYSTALS		
X-2	Crystal, OX-077, 10.240MHz	OOXY077001
X-3	Crystal, OX-078, 10.695MHz	OOXY078001
	Crystal, OX-079, 36.570MHz	OOXY079001

CIRCUIT SYMBOL	DESCRIPTION	PART NO.
MISCELLANEOUS (Continued)		
JP-3	Jumper Wire, YY-052 7.5m/m	ZYYJ052002
JP-2,4,203,204,205,206,207,209,210,302	Jumper Wire, YY-052 12.5m/m	ZYYJ052004
FC-1	Fuse, FS-001 2A	ZYYJ052006
	Fuse, FS-001 2A	WWFY008102
	DC Cord, W-070088	ZFZY001005
	Chassis	WZDZ070088
	Front Chassis	MDBP204286
	Holder	MDBC304293
	Switch Angle	MDBP304287
	Case (Upper)	MDBP404288
	Meter Holder	MDBP404291
	Short Bar	MDBP203846
	Heat Sink	MDBP203847
	Bracket	MDBP404298
	Microphone Hanger	MDBP404299
	Front Panel	MDBP403857
	Channel Knob	MDBP403857
	Led Holder	MDNP404298
	Brand Plate	MDNP404298
	Control Plate	MDNP404299
	FCC Plate	MDNP404300
	Microphone Plate	MDNP404301
	Wiring Diagram	MDNP400286
	Transistor Card	MDLP402860
	Serial No. Label	MDLP402740
	Production No. Seal	MDLP403866
	Rubber Washer	MDHP402770
	Rubber Washer	MDZF401702
	Wool Tac	MDZF403865
	Spacer	MDZF404302
	Cushion	MDZF404303
	Insulation Board	MDZF404304
	Tapping Screw	MZS243006
	Blind Screw	MZS2192605
	Blind Screw	MZS2193006
	Pan Head Screw	MZS2193006
	Pan Head Screw	MZS2123004
	Round Tapping Screw	MZS2123006
	Round Tapping Screw	MZS2293508
	Round Tapping Screw	MZS2295010

MISCELLANEOUS (Continued)		
F-1	Flat Screw	MZSN133006
F-2	Flange Nut	MZSZ480030
L-1	Lugged Washer	MZSZ530035
L-2	Lugged Washer	MZSZ540030
L-3	Lugged Washer	MZSZ540050
R-1	Knob	MZT1200003
R-2	Rivet	MZT1213232
R-3	Lug Terminal	MZT1150003
D-1	Display Box	MDPP304305
D-2	Styrofoam (Front)	MDPP204869
D-3	Styrofoam (Rear)	MDPP304870
D-4	Instruction Booklet	MZPT213001
D-5	Schematic Diagram	MZPT213007
D-6	Warranty Card	MZPT000004
D-7	FCC Application Sheet	MZPY000002
D-8	FCC Temporary License Form	MZPY000025
D-9	FCC Rules Part 95	MZPY000025
D-10	Printed Circuit Board, PC2211AA (Main)	PCY221011
D-11	Printed Circuit Board, PC2222AA (Switch)	PCY222011
D-12	Printed Circuit Board, PC2111AA (Channel)	PCY211011
D-13	Printed Circuit Board, PC2233AA (VFR, Mic Jack)	PCY223011