

TYPE OF EXHIBIT:	SEMICONDUCTOR LIST
FCC RULE:	
MANUFACTURER:	RITRON, INC. 505 West Carmel Drive Carmel, IN 46032
MODEL :	DTX-142
TYPE OF UNIT:	VHF-FM Two Way Radio Transceiver Module
FCC ID:	AIERIT17-142
DATE:	May 30, 2003

The following pages contain a list of the semiconductors used in the DTX-142.

<u>Ref Des</u>	<u>Ritron#</u>	<u>Device #</u>	<u>Description</u>
CR101	48DB0003	BA782S	DIODE
CR201	48DB0003	BA782S	DIODE
CR401	48CB0001	BB153	DIODE
CR402	48CB0001	BB153	DIODE
CR403	48CB0001	BB153	DIODE
CR404	48CB0001	BB153	DIODE
CR405	48CB0001	BB153	DIODE
CR406	48CB0001	BB153	DIODE
D301	48A1005C	MMBD7000	DUAL DIODE CATH/ANODE
D302	48A1005C	MMBD7000	DUAL DIODE CATH/ANODE
D303	48A1005C	MMBD7000	DUAL DIODE CATH/ANODE
D304	48A1005C	MMBD7000	DUAL DIODE CATH/ANODE
D601	48BA0831	1SMA5913	DIODE
D602	48E00B14	MBRS140T3	SCHOTTKY POWER RECTIFIER
Q101	482100W2	PBR951	TRANSISTOR, LOW PWR RF, UHF WIDEBAND
Q102	4841006U	MMBFJ309L	TRANSISTOR, RF NFET
Q103	48210E2P	BFS17A	TRANSISTOR
Q104	4821003B	MMBT918LT1	TRANSISTOR, VHF NPN
Q106	4841006U	MMBFJ309L	TRANSISTOR, RF NFET
Q107	4801002A	MMBT3906L	TRANSISTOR, PNP SMD
Q108	48010A8A	MMUN2211T1	TRANSISTOR WITH RESISTORS, NPN SMD
Q110	48010A8A	MMUN2211T1	TRANSISTOR WITH RESISTORS, NPN SMD
Q201	480100DH	BCW68GLT1	TRANSISTOR, PNP GENERAL PURPOSE
Q202	4801001Q	MMBT5088	TRANSISTOR, NPN SMD
Q203	4801001Q	MMBT5088	TRANSISTOR, NPN SMD
Q204	48010A6D	MMUN2114	TRANSISTOR WITH RESISTORS, PNP SMD
Q205	480100DH	BCW68GLT1	TRANSISTOR, PNP GENERAL PURPOSE
Q206	4801001Q	MMBT5088	TRANSISTOR, NPN SMD
Q208	487A0002	PD540003	FET, RF PWR
Q209	48280003	BFG16A	TRANSISTOR, WIDE BAND
Q210	4821003B	MMBT918LT1	TRANSISTOR, VHF NPN
Q302	48010A8A	MMUN2211T1	TRANSISTOR, NPN SMD
Q303	48010A6D	MMUN2114	TRANSISTOR WITH RESISTORS, PNP SMD
Q305	48010A6D	MMUN2114	TRANSISTOR WITH RESISTORS, PNP SMD
Q307	48010A6D	MMUN2114	TRANSISTOR WITH RESISTORS, PNP SMD
Q309	48010A8A	MMUN2211T1	TRANSISTOR WITH RESISTORS, NPN SMD
Q310	4801001Q	MMBT5088	TRANSISTOR, NPN SMD
Q311	48010A8A	MMUN2211T1	TRANSISTOR WITH RESISTORS, NPN SMD
Q312	480100DH	BCW68GLT1	TRANSISTOR, PNP GENERAL PURPOSE
Q313	4841006Y	MMBFJ177	TRANSISTOR, P-CHANNEL FET
Q315	48010A8A	MMUN2211T1	TRANSISTOR WITH RESISTORS, NPN SMD
Q316	48010A6A	MMUN21111	TRANSISTOR WITH RESISTORS, PNP SMD
Q404	4841006T	MMBFJ310TI	TRANSISTOR, GP NFET
Q405	4801001Q	MMBT5088	TRANSISTOR, NPN SMD
Q406	4821003B	MMBT918LT1	TRANSISTOR, VHF NPN
Q407	482100V0	PBR-941	TRANSISTOR, LOW PWR RF, UHF WIDEBAND
Q408	4801001Q	MMBT5088	TRANSISTOR, NPN SMD

Q409	4801001Q	MMBT5088	TRANSISTOR, NPN SMD
Q601	48180007	MJD210	TRANSISTOR
Q602	4801001Q	MMBT5088	TRANSISTOR, NPN SMD
Q603	4801001Q	MMBT5088	TRANSISTOR, NPN SMD
Q604	4801001Q	MMBT5088	TRANSISTOR, NPN SMD
Q605	484100P3	MMBF0202PLT1	POWER MOSFET 300 mA, 20 VOLT, P-CHANNEL
Q606	48010A6D	MMUN2114	TRANSISTOR WITH RESISTORS, PNP SMD
U101	31030006	TA31136FN	I.C., FM IF SUBSYSTEM
U104	31010018	LMV393	I.C., COMPARATOR
U201	31010008	LMT2904D	I.C., DUAL OP AMP
U301	314L0002	ATmega8	I.C., MICROCONTROLLER
U303	31140002	74V1G14	I.C., SINGLE SCHMITT INVERTER
U304	310K0004	LMV324MT	I.C., QUAD OP AMP
U305	310K0004	LMV324MT	I.C., QUAD OP AMP
U306	3131009	LM386N-3	I.C., AUDIO PWR AMP
U307	31010008	LMT2904D	I.C., DUAL OP AMP
U308	310K0004	LMV324MT	I.C., QUAD OP AMP
U401	313K0006	LMX2306TM	I.C., PLL SYNTHESIZER
U402	31040003	TPS76050DBVR	I.C., VOLTAGE REGULATOR
U601	310M0001	LM3485	I.C., HYSTERETIC PFET BUCK CONTROLLER
Y301	23050003	23050003	14.4 MHZ REFERENCE OSCILLATOR