

FCC ID: ATH2425317
LIST OF ACTIVE DEVICES

242-5317-101-aaab VHF Digital Mobile

Transistor, Diode and IC Functions

Transmitter

<u>Ref</u>	<u>Des</u>	<u>Part Number</u>	<u>Description</u>	<u>JEDEC or Vendor Type</u>	<u>Function</u>
A	002	5850400003	VHF RF BOARD / MODULE	NDL1905C	RF Module
CR	501	5231504032	PIN DIODE	MA-47059-1079	Antenna Switch
CR	502	5231504032	PIN DIODE	MA-47059-1079	Antenna Switch
CR	503	5231504001	SOT PIN SW DIODE T/RL	MMBV3401	Antenna Switch
CR	506	5231504002	SWITCHING DIODE SOT-23	MMBD6050LT1	Power Control
CR	508	5231504002	SWITCHING DIODE SOT-23	MMBD6050LT1	Power Control
CR	509	5231504002	SWITCHING DIODE SOT-23	MMBD6050LT1	Power Control
CR	510	5231504016	HC DIODE SOT23 T/REEL	MMBD701LT1	Detector Diode
CR	512	5231504001	SOT PIN SW DIODE T/RL	MMBV3401	Tx/Rx Switching
CR	513	5231504001	SOT PIN SW DIODE T/RL	MMBV3401	Tx/Rx Switching
CR	514	5232906001	TRANSIENT SUPPR AXIAL	MR2535LRL	Over voltage Clamp
CR	515	5230519032	SMT, 3A,40V, SCHOTTKY PWR DIODE	MBRS340T3	7.5v Sw. Power Supply
Q	501	5760003658	XSTR,3904,SI,NPN SOT-23	MMBT3904L-T1	Antenna Switch
Q	504	5760003658	XSTR,3904,SI,NPN SOT-23	MMBT3904L-T1	Power Control
Q	505	5760003658	XSTR,3904,SI,NPN SOT-23	MMBT3904L-T1	Power Control
Q	506	5760007013	PNP PWR DARLINGTON XSTR TO-220	MJF6668	Pwr Cntrl Pass Transistor
Q	507	5760003658	XSTR,3904,SI,NPN SOT-23	MMBT3904L-T1	Tx/Rx Switching
Q	508	5760003658	XSTR,3904,SI,NPN SOT-23	MMBT3904L-T1	Tx/Rx Switching
Q	509	5760004111	RF POWER TRANS. SI NPN 30W 136-220MHZ	MRF1946	Driver
Q	510	5760004053	75W 175 MHZ AMP JO	MRF247	Final PA
Q	511	5760007013	PNP PWR DARLINGTON XSTR TO-220	MJF6668	Power On-Off Switching
Q	512	5760003612	PNP SWITCHING XSTR	MMBT4403	Power On-Off Switching
Q	513	5760003658	XSTR,3904,SI,NPN SOT-23	MMBT3904L-T1	Tx/Rx Switching
Q	514	5760003658	XSTR,3904,SI,NPN SOT-23	MMBT3904L-T1	Tx/Rx Switching
U	501	5443016094	SHIFT REG. 8-STG SOIC	MC14094BD	Power Control Set
U	502	5442019004	DUAL OP AMP SO-8	LM2904	Power Control
U	505	5442039002	HI-SIDE CURRENT SENSE AMP,SO-8	MAX-472ESA	Power Control, Current
U	506	5442003102	3 AMP POWER SWITCH ING REGULATOR	MC33166T	7.5v Sw. Power Supply
U	507	5442019004	DUAL OP AMP SO-8	LM2904	Power Control, Current