Disconnect the battery terminal after turning the ignition key off. If wrong wiring connections are made with the battery connected, a short circuit and/or fire may occur. If extensive damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.

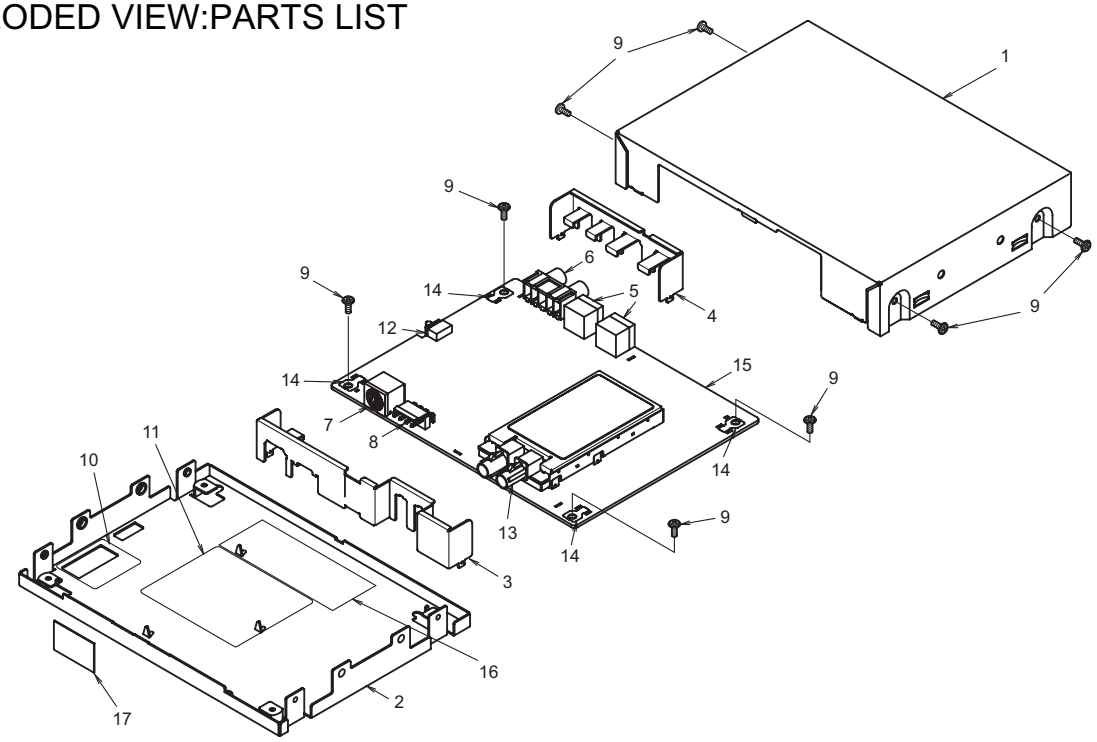
5. Cautions regarding chips.
   Do not reuse removed chips even when no abnormality is observed in their appearance. Always replace them with new ones. (The chip parts include resistors, capacitors, diodes, transistors, etc). The negative pole of tantalum capacitors is highly susceptible to heat, so use special care when replacing them and check the operation afterwards.
6. Cautions in handling flexible PWB
   Before working with a soldering iron, make sure that the iron tip temperature is around 270℃. Take care not to apply the iron tip repeatedly(more than three times)to the same patterns. Also take care not to apply the tip with force.
7. Turn the unit OFF during disassembly and parts replacement. Recheck all work before you apply power to the unit.
8. Cautions in checking that the optical pickup lights up.
   The laser is focused on the disc reflection surface through the lens of the optical pickup. When checking that the laser optical diode lights up, keep your eyes more than 30cms away from the lens. Prolonged viewing of the laser within 30cms may damage your eyesight.
9. Cautions in handling the optical pickup
   The laser diode of the optical pickup can be damaged by electrostatic charge caused by your clothes and body. Make sure to avoid electrostatic charges on your clothes or body, or discharge static electricity before handling the optical pickup.

9-1. Laser diode
   The laser diode terminals are shorted for transportation in order to prevent electrostatic damage. After replacement, open the shorted circuit. When removing the pickup from the mechanism, short the terminals by soldering them to prevent this damage.

9-2. Actuator
   The actuator has a powerful magnetic circuit. If a magnetic material is put close to it. Its characteristics will change. Ensure that no foreign substances enter through the ventilation slots in the cover.

9-3. Cleaning the lens
   Dust on the optical lens affects performance. To clean the lens, apply a small amount of isopropyl alcohol to lens paper and wipe the lens gently.

EXPLODED VIEW:PARTS LIST



NO.	PART NO.	DESCRIPTION	Q'TY
1	310-1758-00	UPPER CASE	1
2	311-1753-03	LOWER CASE	1
3	331-3422-00	FORNT PLATE	1
4	331-3423-00	REAR PLATE	1
5	074-1194-00	OUTLET SOCKET	2
6	075-0336-00	JACK	1
7	076-0310-04	PLUG	1
8	074-1270-08	OUTLET SOCKET	1
9	716-0878-00	IT-SCREW	8

NO.	PART NO.	DESCRIPTION	Q'TY
10	290-7640-00	SHADE	1
11	286-9953-00	SETPLATE	1
12	013-5108-00	SLIDE SWITCH	1
13	880-2504A	TUNER	1
14	073-0768-90	TERMINAL	4
15	039-2134-02	MAIN PWB	1
16	290-8160-00	LABEL(SIRIUS ID)	1
17	347-5738-00	FILM	1

pin 27: VSS : - : Negative supply voltage.
pin 28: OE : IN : Output enable signal input.
pin 29: D 0 :I/O: Data input/output.
pin 30: D 8 :I/O: Data input/output.
pin 31: D 1 :I/O: Data input/output.
pin 32: D 9 :I/O: Data input/output.
pin 33: D 2 :I/O: Data input/output.
pin 34: D 10 :I/O: Data input/output.
pin 35: D 3 :I/O: Data input/output.
pin 36: D 11 :I/O: Data input/output.
pin 37: VCC : - : Positive supply voltage.
pin 38: D 4 :I/O: Data input/output.
pin 39: D 12 :I/O: Data input/output.
pin 40: D 5 :I/O: Data input/output.
pin 41: D 13 :I/O: Data input/output.
pin 42: D 6 :I/O: Data input/output.
pin 43: D 14 :I/O: Data input/output.
pin 44: D 7 :I/O: Data input/output.
pin 45: D15/A-1 :I/O: Data input/output. And address input.
pin 46: VSS : - : Negative supply voltage.
pin 47: BYTE : IN : Connect to the ground.
pin 48: A 16 : IN : Address signal input.

ELECTRICAL PARTS LIST

Main PWB(B1) section

REF No.	PART No.	DESCRIPTION
BL101	880-2504A	TUNER
C201	163-1063-35	16V10uF
C202	177-2252-78	16V2.2uF
C203	168-1022-55	1000pF
C204	168-1042-78	16V 0.1uF
C205	168-1022-55	1000pF
C206	168-1042-78	16V 0.1uF
C207	168-1042-78	16V 0.1uF
C208	168-1042-78	16V 0.1uF
C209	168-1042-78	16V 0.1uF
C210	168-1042-78	16V 0.1uF
C211	168-1042-78	16V 0.1uF
C212	168-1042-78	16V 0.1uF
C213	168-1042-78	16V 0.1uF
C214	168-1042-78	16V 0.1uF
C215	168-1022-55	1000pF
C216	043-0504-50	10V4.7uF
C217	163-1063-35	16V10uF
C218	168-1042-78	16V 0.1uF
C219	168-1042-78	16V 0.1uF
C220	163-1063-35	16V10uF
C221	166-1511-50	150pF CH
C222	166-1511-50	150pF CH
C223	166-1511-50	150pF CH
C224	166-1511-50	150pF CH
C225	166-1511-50	150pF CH
C226	166-1511-50	150pF CH
C227	043-0504-50	10V4.7uF
C228	168-1042-78	16V 0.1uF
C229	168-1042-78	16V 0.1uF
C230	168-1042-78	16V 0.1uF
C231	168-1022-55	1000pF
C232	166-1811-50	180pF CH
C233	168-1022-55	1000pF
C234	168-1042-78	16V 0.1uF
C235	168-1042-78	16V 0.1uF
C236	168-1042-78	16V 0.1uF
C237	168-1042-78	16V 0.1uF
C238	168-1042-78	16V 0.1uF
C239	168-1042-78	16V 0.1uF
C240	168-1022-55	1000pF
C241	168-1022-55	1000pF
C242	168-1042-78	16V 0.1uF
C243	168-1022-55	1000pF
C244	168-1022-55	1000pF
C245	168-1042-78	16V 0.1uF
C246	168-1022-55	1000pF
C247	168-1042-78	16V 0.1uF
C248	168-1022-55	1000pF
C249	168-1022-55	1000pF
C250	168-1042-78	16V 0.1uF
C251	168-1042-78	16V 0.1uF
C252	168-1022-55	1000pF
C253	168-1042-78	16V 0.1uF
C254	168-1022-55	1000pF
C255	168-1042-78	16V 0.1uF
C256	168-1022-55	1000pF
C257	168-1042-78	16V 0.1uF
C258	168-1042-78	16V 0.1uF
C259	168-1022-55	1000pF
C260	168-1042-78	16V 0.1uF
C261	168-1022-55	1000pF
C262	168-1022-55	1000pF
C263	168-1022-55	1000pF
C264	166-1811-50	180pF CH
C265	168-1042-78	16V 0.1uF
C266	168-1042-78	16V 0.1uF
C267	168-1042-78	16V 0.1uF
C268	168-1042-78	16V 0.1uF
C269	168-1042-78	16V 0.1uF
C270	168-1042-78	16V 0.1uF
C271	168-1042-78	16V 0.1uF
C272	168-1042-78	16V 0.1uF
C273	168-1042-78	16V 0.1uF
C274	168-1042-78	16V 0.1uF
C275	168-1042-78	16V 0.1uF
C276	168-1042-78	16V 0.1uF
C277	168-1042-78	16V 0.1uF
C278	168-1042-78	16V 0.1uF
C279	168-1042-78	16V 0.1uF
C280	168-1042-78	16V 0.1uF
C281	168-1042-78	16V 0.1uF
C282	168-4712-55	470pF
C283	168-4712-55	470pF
C284	168-4712-55	470pF
C285	168-4712-55	470pF
C286	168-4712-55	470pF
C301	168-1042-78	16V 0.1uF
C302	168-1042-78	16V 0.1uF
C303	168-1042-78	16V 0.1uF
C304	168-1042-78	16V 0.1uF
C305	168-1042-78	16V 0.1uF
C306	168-1042-78	16V 0.1uF
C307	168-1042-78	16V 0.1uF
C308	168-1042-78	16V 0.1uF
C309	168-1042-78	16V 0.1uF
C310	168-1042-78	16V 0.1uF
C311	168-1042-78	16V 0.1uF
C312	168-1042-78	16V 0.1uF
C313	168-1042-78	16V 0.1uF
C314	168-1042-78	16V 0.1uF
C315	168-1042-78	16V 0.1uF
C316	168-1042-78	16V 0.1uF
C317	168-1042-78	16V 0.1uF
C318	168-1042-78	16V 0.1uF
C319	168-1042-78	16V 0.1uF
C320	168-1042-78	16V 0.1uF
C321	168-1042-78	16V 0.1uF
C322	168-1042-78	16V 0.1uF
C323	168-1042-78	16V 0.1uF
C324	168-2245-79	0.22uF
C325	166-4096-50	4pF CH
C326	168-1022-55	1000pF
C327	168-1022-55	1000pF
C328	168-1042-78	16V 0.1uF
C329	168-1022-55	1000pF
C330	168-2245-79	0.22uF
C331	168-2245-79	0.22uF
C332	168-1022-55	1000pF
C333	168-1032-55	0.01uF
C334	168-1022-55	1000pF
C335	168-1042-78	16V 0.1uF
C336	168-1042-78	16V 0.1uF
C337	168-1042-78	16V 0.1uF
C338	168-1042-78	16V 0.1uF
C339	168-1042-78	16V 0.1uF
C340	168-1042-78	16V 0.1uF
C341	168-1042-78	16V 0.1uF
C342	168-1042-78	16V 0.1uF
C343	168-1042-78	16V 0.1uF
C344	168-1042-78	16V 0.1uF
C345	168-1042-78	16V 0.1uF
C346	168-1042-78	16V 0.1uF
C347	168-1022-55	1000pF
C348	168-1042-78	16V 0.1uF
C349	168-1022-55	1000pF
C350	168-1042-78	16V 0.1uF
C351	168-1042-78	16V 0.1uF
C352	168-1042-78	16V 0.1uF
C353	168-1042-78	16V 0.1uF
C354	168-1042-78	16V 0.1uF
C355	168-1042-78	16V 0.1uF
C356	168-1022-55	1000pF
C357	168-1022-55	1000pF
C358	178-1052-78	1uF
C359	178-1052-78	1uF
C360	168-1042-78	16V 0.1uF
C361	168-1042-78	16V 0.1uF
C362	168-1042-78	16V 0.1uF
C363	168-1042-78	16V 0.1uF
C364	168-1032-55	0.01uF
C365	168-1042-78	16V 0.1uF
C366	168-1042-78	16V 0.1uF
C367	168-1042-78	16V 0.1uF
C368	168-1032-55	0.01uF
C369	168-1032-55	0.01uF
C401	178-2242-78	0.22uF
C402	168-1042-78	16V 0.1uF
C403	168-1042-78	16V 0.1uF
C404	163-1063-35	16V10uF
C405	168-1032-55	0.01uF
C406	168-1032-55	0.01uF
C407	163-1063-35	16V10uF
C408	168-1042-78	16V 0.1uF
C409	168-1042-78	16V 0.1uF
C410	168-1032-55	0.01uF
C411	168-4732-78	0.047uF
C412	168-1022-55	1000pF
C413	168-1022-55	1000pF
C414	168-4732-78	0.047uF
C415	168-1022-55	1000pF
C501	168-1042-78	16V 0.1uF
C502	163-4763-15	6.3V47uF
C503	042-0645-50	10V 100uF TAN

REF No.	PART No.	DESCRIPTION
C505	168-1032-55	0.01uF
C506	042-0416-54	16V10uF
C507	168-1032-55	0.01uF
C508	168-1032-55	0.01uF
C509	042-0648-50	35V 100uF AL
C510	042-0416-54	16V10uF
C511	042-0416-54	16V10uF
C512	163-1073-35	16V100uF
C513	163-2263-35	16V22uF
C514	168-1032-55	0.01uF
C515	178-3342-78	0.33uF
C516	163-4763-15	6.3V47uF
C517	168-1032-55	0.01uF
C518	168-1032-55	0.01uF
C519	163-3363-25	10V33uF
C520	163-3363-25	10V33uF
C521	166-1011-50	100pF CH
C522	166-1011-50	100pF CH
C524	163-1073-15	6.3V100uF
C526	168-1032-55	0.01uF
C527	163-1063-35	16V10uF
C528	168-1032-55	0.01uF
C529	166-2201-50	22pF CH
C530	166-2201-50	22pF CH
C531	042-0645-50	10V 100uF TAN
C532	042-0645-50	10V 100uF TAN
C533	168-1032-55	0.01uF
C534	163-1063-55	35V10uF
C535	163-1063-55	35V10uF
C536	163-1063-55	35V10uF
C537	163-1063-55	35V10uF
C538	163-1063-55	35V10uF
C539	163-1063-55	35V10uF
C540	042-0647-00	35V 220uF
C541	168-4745-79	0.47uF
C542	168-1032-55	0.01uF
C543	168-1042-78	16V 0.1uF
C544	168-1042-78	16V 0.1uF
C545	163-1073-15	6.3V100uF
C546	168-1042-78	16V 0.1uF
C547	168-1022-55	1000pF
C548	184-4773-31	16V 470uF
C549	168-1042-78	16V 0.1uF
C550	163-1063-35	16V 10uF
C551	163-1063-35	16V 10uF
C552	163-1063-35	16V 10uF
C553	163-1063-35	16V 10uF
C554	168-1042-78	16V 0.1uF
C555	168-4745-79	0.47uF
C556	163-4763-35	16V 47uF
C557	168-1022-55	1000pF
C558	163-2263-35	16V 22uF
C559	163-1063-35	16V 10uF
C560	184-1083-32	16V 1000uF
C561	168-1032-55	0.01uF
C562	168-1032-55	0.01uF
C563	168-1032-55	0.01uF
C564	168-1042-78	16V 0.1uF
C565	168-1042-78	16V 0.1uF
C566	166-2201-50	22pF CH
C567	166-2201-50	22pF CH
C2001	168-1032-55	0.01uF
C2002	168-1032-55	0.01uF
C2003	168-1032-55	0.01uF
C2004	168-1032-55	0.01uF
C2005	168-1032-55	0.01uF
C2006	168-1032-55	0.01uF
C2007	168-1032-55	0.01uF
C2008	168-1032-55	0.01uF
C2009	168-4712-55	470pF
C2010	168-1032-55	0.01uF
C2011	168-4712-55	470pF
C2012	168-1032-55	0.01uF
C2013	168-4712-55	470pF

REF No.	PART No.	DESCRIPTION
C2014	168-4712-55	470pF
C2015	168-1032-55	0.01uF
C2016	168-1032-55	0.01uF
C2017	168-4712-55	470pF
C2018	168-1032-55	0.01uF
C2019	168-4712-55	470pF
C2020	168-1032-55	0.01uF
C2021	168-4712-55	470pF
C2022	168-1032-55	0.01uF
C2023	168-4712-55	470pF
C2024	168-4712-55	470pF
C2025	168-1032-55	0.01uF
C2026	168-1032-55	0.01uF
C2027	168-4712-55	470pF
C2028	168-1032-55	0.01uF
C2029	168-4712-55	470pF
C2030	168-4712-55	470pF
C2031	168-1032-55	0.01uF
C2032	168-4712-55	470pF
C2033	168-1032-55	0.01uF
C2034	168-4712-55	470pF
C2035	168-1032-55	0.01uF
C2036	168-4712-55	470pF
C2037	168-1032-55	0.01uF
C2038	168-1032-55	0.01uF
C2039	168-4712-55	470pF
C2040	168-1032-55	0.01uF
C2041	168-4712-55	470pF
C2042	168-4712-55	470pF
C2043	168-1032-55	0.01uF
C2044	168-4712-55	470pF
C2045	168-1032-55	0.01uF
C2046	168-1032-55	0.01uF
C2047	168-4712-55	470pF
C2048	168-1032-55	0.01uF
C2049	168-4712-55	470pF
C2050	168-1032-55	0.01uF
C2051	168-4712-55	470pF
C3001	168-4712-55	470pF
C3002	168-1032-55	0.01uF
C3003	168-4712-55	470pF
C3004	168-1032-55	0.01uF
C3005	168-1032-55	0.01uF
C3006	168-4712-55	470pF
C3007	168-1032-55	0.01uF
C3008	168-4712-55	470pF
C3009	168-4712-55	470pF
C3010	168-1032-55	0.01uF
C3011	168-4712-55	470pF
C3012	168-1032-55	0.01uF
C3013	168-1032-55	0.01uF
C3014	168-4712-55	470pF
C3015	168-1032-55	0.01uF
C3016	168-4712-55	470pF
C3017	168-4712-55	470pF
C3018	168-1032-55	0.01uF
C3019	168-1032-55	0.01uF
C3020	168-4712-55	470pF
C3021	168-1032-55	0.01uF
C3022	168-4712-55	470pF
C3023	168-1032-55	0.01uF
C3024	168-4712-55	470pF
C3025	168-1032-55	0.01uF
C3026	168-4712-55	470pF
C3027	168-4712-55	470pF
C3028	168-1032-55	0.01uF
C3029	168-4712-55	470pF
C3030	168-1032-55	0.01uF
C3031	168-4712-55	470pF
C3032	168-1032-55	0.01uF
C3033	168-1032-55	0.01uF
C3034	168-4712-55	470pF
C3035	168-1032-55	0.01uF
C3036	168-4712-55	470pF

REF No.	PART No.	DESCRIPTION
C3037	168-1032-55	0.01uF
C3038	168-4712-55	470pF
C3039	168-1032-55	0.01uF
C3040	168-4712-55	470pF
C3041	168-4712-55	470pF
C3042	168-1032-55	0.01uF
C3043	168-1032-55	0.01uF
C3044	168-4712-55	470pF
C3045	168-4712-55	470pF
C3046	168-1032-55	0.01uF
C3047	168-4712-55	470pF
C3048	168-1032-55	0.01uF
C3049	168-4712-55	470pF
C3050	168-1032-55	0.01uF
C3051	168-4712-55	470pF
C3052	168-1032-55	0.01uF
C3053	168-4712-55	470pF
C3054	168-1032-55	0.01uF
C3055	168-1032-55	0.01uF
C3056	168-4712-55	470pF
C3057	168-1032-55	0.01uF
C3058	168-4712-55	470pF
C3059	168-1032-55	0.01uF
C3060	168-4712-55	470pF
C3061	168-1032-55	0.01uF
C3062	168-4712-55	470pF
C3063	168-4712-55	470pF
C3064	168-1032-55	0.01uF
C3065	168-1032-55	0.01uF
C3066	168-4712-55	470pF
C3067	168-4712-55	470pF
C3068	168-1032-55	0.01uF
C3069	168-1032-55	0.01uF
C3070	168-4712-55	470pF
C3071	168-4712-55	470pF
C3072	168-1032-55	0.01uF
C3073	168-4712-55	470pF
C3074	168-1032-55	0.01uF
C3075	168-4712-55	470pF
C3076	168-1032-55	0.01uF
C3077	168-4712-55	470pF
C3078	168-1032-55	0.01uF
C3079	168-2245-79	0.22uF
C3080	168-1022-55	1000pF
D401	001-0516-90	MA111
D501	001-2606-90	M1FS4
D502	001-4305-16	UDZSTE-17
D503	001-4305-20	UDZSTE-17 5.6B
D504	001-4306-09	HZU5ALLTRF
D505	001-2619-90	CMS01
D506	001-2015-00	RL253
D507	001-0516-90	MA111
D508	001-2403-90	M1F60
D509	001-0516-90	MA111
D510	001-2403-90	M1F60
D512	001-0516-90	MA111
FIL401	060-3113-95	NFM2012R13C102R
FIL402	060-3113-95	NFM2012R13C102R
FIL403	060-3113-95	NFM2012R13C102R
FIL404	060-3113-95	NFM2012R13C102R
FIL405	060-3113-95	NFM2012R13C102R
FIL406	060-3113-95	NFM2012R13C102R
FIL407	060-3113-95	NFM2012R13C102R
FIL501	060-3110-90	NFM4516P13C204FBI
IC201	051-6385-00	M-CDADSE-P-I-DB
IC202	051-9322-08	MT48LC4M16A2TG75IT
IC203	051-6382-01	M-CDRCTC-S-ITDB
IC204	051-6380-00	M-CDDDDT3-S-ITDB
IC301	051-6383-00	M-CDCDT-S-ITDB
IC302	051-6381-00	M-CDODTB-S-ITDB
IC303	051-9124-00	CY7C1049BV33-15ZL
IC304	052-3711-11	MBM29LV400BC
IC305	051-9123-00	CY7C1021BV33-10ZC
IC306	051-1964-18	TC7S14FU

REF No.	PART No.	DESCRIPTION
IC307	051-7272-08	TC7SZ125F
IC308	051-7202-28	TC7SH32FU TE85L
IC309	051-6384-00	M-CDAPT-S-IT-DB
IC401	051-0869-58	NJM2103M
IC402	052-3710-05	M30624FGMFP
IC403	051-0350-91	NJM2904M
IC404	051-5437-08	S-80821ANMP-EDJ
IC405	051-7272-08	TC7SZ125F
IC406	051-7273-08	TC74VHCT125AFT
IC501	051-3303-90	LM6275MX-5.5
IC502	051-6386-08	AK4352VT E-2
IC503	051-3236-90	BA08FP
IC504	051-0350-93	NJM4558M
IC506	051-0350-93	NJM4558M
IC507	051-3302-90	LM2676SX-3.3
IC508	051-6600-38	CA0008AM
IC509	051-7232-08	74VHC4066M
IC510	051-3271-91	PQ070XZ01ZP
IC511	051-0350-93	NJM4558M
J401	074-1270-08	CONTROLLER 8P
J501	076-0310-04	POWER 4P
J502	074-1194-00	CeNET 13P
J503	074-1194-00	CeNET 13P
J504	075-0336-00	RCA 2P
L201	010-3039-52	NLC453232T-1R5K
L202	010-3039-52	NLC453232T-1R5K
L203	010-3039-52	NLC453232T-1R5K
L204	010-3039-52	NLC453232T-1R5K
L301	010-2323-56	10uH
L302	010-2323-56	10uH
L501	010-3051-55	68uH
L502	010-3402-56	33uH
L503	010-2285-80	BLM11B102SP
L504	010-2285-80	BLM11B102SP
L505	010-2285-80	BLM11B102SP
L506	010-2285-80	BLM11B102SP
L507	010-2285-80	BLM11B102SP
L508	010-2285-80	BLM11B102SP
L509	010-2285-80	BLM11B102SP
L510	010-2285-66	BLM41P750SPB
Q401	125-2004-93	RN1403
Q402	198-2825-00	2SK2825
Q403	198-2825-00	2SK2825
Q404	125-2004-92	RN1402
Q501	193-1664-00	2SD1664PT100P,Q,R
Q504	193-1802-61	2SD1802FA
Q505	125-2004-92	RN1402
Q506	125-0014-92	DTA114EK
Q507	125-2004-92	RN1402
Q508	125-2004-92	RN1402
Q509	193-1802-61	2SD1802FA
Q510	125-0002-96	RN2406
Q511	190-1037-00	2SA1037
Q512	193-1306-00	2SD1306
Q513	193-1306-00	2SD1306
Q514	191-1202-61	2SB1202FA
Q515	125-2004-95	RN1405
R202	119-3321-15	1/16W 3.3k ohm
R203	119-3321-15	1/16W 3.3k ohm
R204	119-3321-15	1/16W 3.3k ohm
R206	119-3321-15	1/16W 3.3k ohm
R207	119-2711-15	1/16W 270 ohm
R208	119-2711-15	1/16W 270 ohm
R209	119-2711-15	1/16W 270 ohm
R212	119-2711-15	1/16W 270 ohm
R213	119-2711-15	1/16W 270 ohm
R214	119-1011-15	1/16W 100 ohm
R215	119-1001-15	1/16W 10 ohm
R216	119-3321-15	1/16W 3.3k ohm
R217	119-3321-15	1/16W 3.3k ohm
R218	119-1001-15	1/16W 10 ohm
R219	119-3321-15	1/16W 3.3k ohm
R220	119-3321-15	1/16W 3.3k ohm
R301	119-1001-15	1/16W 10 ohm

REF No.	PART No.	DESCRIPTION
R302	119-3321-15	1/16W 3.3k ohm
R303	119-3301-15	1/16W 33 ohm
R304	119-3301-15	1/16W 33 ohm
R305	119-3301-15	1/16W 33 ohm
R306	119-0000-05	1/16W 0 ohm JW
R307	119-3321-15	1/16W 3.3k ohm
R308	119-1011-15	1/16W 100 ohm
R309	119-2711-15	1/16W 270 ohm
R310	119-3321-15	1/16W 3.3k ohm
R311	119-2711-15	1/16W 270 ohm
R312	119-3321-15	1/16W 3.3k ohm
R313	119-2711-15	1/16W 270 ohm
R314	119-2711-15	1/16W 270 ohm
R315	119-2711-15	1/16W 270 ohm
R316	119-2711-15	1/16W 270 ohm
R317	119-2711-15	1/16W 270 ohm
R318	119-2711-15	1/16W 270 ohm
R319	119-2711-15	1/16W 270 ohm
R320	119-1821-15	1/16W 1.8k ohm
R321	119-4711-15	1/16W 470 ohm
R322	119-4711-15	1/16W 470 ohm
R323	119-3321-15	1/16W 3.3k ohm
R324	119-4711-15	1/16W 470 ohm
R325	119-2211-15	1/16W 220 ohm
R326	119-3301-15	1/16W 33 ohm
R327	119-2711-15	1/16W 270 ohm
R328	119-6811-15	1/16W 680 ohm
R329	119-2711-15	1/16W 270 ohm
R330	119-2711-15	1/16W 270 ohm
R331	119-3321-15	1/16W 3.3k ohm
R332	119-1011-15	1/16W 100 ohm
R333	119-1011-15	1/16W 100 ohm
R334	119-1011-15	1/16W 100 ohm
R335	119-1011-15	1/16W 100 ohm
R336	111-1001-81	1/2W 10 ohm
R337	119-3321-15	1/16W 3.3k ohm
R338	119-3321-15	1/16W 3.3k ohm
R339	119-3321-15	1/16W 3.3k ohm
R340	119-3321-15	1/16W 3.3k ohm
R401	119-1831-15	1/16W 18k ohm
R402	119-0000-05	1/16W 0 ohm JW
R403	119-0000-05	1/16W 0 ohm JW
R404	119-0000-05	1/16W 0 ohm JW
R405	119-0000-05	1/16W 0 ohm JW
R406	119-0000-05	1/16W 0 ohm JW
R407	119-2201-15	1/16W 22 ohm
R408	119-2201-15	1/16W 22 ohm
R409	119-2201-15	1/16W 22 ohm
R410	119-2201-15	1/16W 22 ohm
R411	119-2201-15	1/16W 22 ohm
R412	119-8221-15	1/16W 8.2k ohm
R413	119-1011-15	1/16W 100 ohm
R414	119-5121-15	1/16W 5.1k ohm
R415	119-1241-15	1/16W 120k ohm
R416	119-1541-15	1/16W 150k ohm
R417	119-4731-15	1/16W 47k ohm
R418	119-1541-15	1/16W 150k ohm
R419	119-4731-15	1/16W 47k ohm
R420	119-4731-15	1/16W 47k ohm
R421	119-1001-15	1/16W 10 ohm
R422	119-4721-15	1/16W 4.7k ohm
R423	119-1001-15	1/16W 10 ohm
R424	119-5621-15	1/16W 5.6k ohm
R425	119-4731-15	1/16W 47k ohm
R426	119-1041-15	1/16W 100k ohm
R427	119-4731-15	1/16W 47k ohm
R428	119-4731-15	1/16W 47k ohm
R429	119-4731-15	1/16W 47k ohm
R430	119-4721-15	1/16W 4.7k ohm
R431	119-4721-15	1/16W 4.7k ohm
R433	119-1041-15	1/16W 100k ohm
R434	119-1041-15	1/16W 100k ohm
R435	119-5611-15	1/16W 560 ohm
R436	119-0000-05	1/16W 0 ohm JW

REF No.	PART No.	DESCRIPTION
R437	119-1041-15	1/16W 100k ohm
R438	119-1041-15	1/16W 100k ohm
R439	119-1041-15	1/16W 100k ohm
R440	119-1041-15	1/16W 100k ohm
R441	119-1031-15	1/16W 10k ohm
R442	119-2231-15	1/16W 22k ohm
R443	119-1011-15	1/16W 100 ohm
R444	119-1821-15	1/16W 1.8k ohm
R445	119-1011-15	1/16W 100 ohm
R446	119-1011-15	1/16W 100 ohm
R447	119-1011-15	1/16W 100 ohm
R448	119-1011-15	1/16W 100 ohm
R449	119-1011-15	1/16W 100 ohm
R450	119-1011-15	1/16W 100 ohm
R452	119-4721-15	1/16W 4.7k ohm
R501	119-0000-05	1/16W 0 ohm JW
R504	119-1001-15	1/16W 10 ohm
R505	119-3911-15	1/16W 390 ohm
R506	119-0000-05	1/16W 0 ohm JW
R508	119-3311-15	1/16W 330 ohm
R511	111-1021-81	1/2W 1k ohm
R513	119-1031-15	1/16W 10k ohm
R514	119-1531-15	1/16W 15k ohm
R515	119-1031-15	1/16W 10k ohm
R516	119-1031-15	1/16W 10k ohm
R517	119-2231-15	1/16W 22k ohm
R518	119-2231-15	1/16W 22k ohm
R519	119-4731-15	1/16W 47k ohm
R520	119-1021-15	1/16W 1k ohm
R521	119-1031-15	1/16W 10k ohm
R522	119-1031-15	1/16W 10k ohm
R523	119-0000-05	1/16W 0 ohm JW
R524	119-1831-15	1/16W 18k ohm
R525	119-1031-15	1/16W 10k ohm
R526	119-1031-15	1/16W 10k ohm
R527	119-0000-05	1/16W 0 ohm JW
R528	119-1001-15	1/16W 10 ohm
R529	119-1031-15	1/16W 10k ohm
R530	119-8221-15	1/16W 8.2k ohm
R531	119-0000-05	1/16W 0 ohm JW
R532	119-2231-15	1/16W 22k ohm
R533	119-3311-15	1/16W 330 ohm
R534	119-0000-05	1/16W 0 ohm JW
R535	119-3321-15	1/16W 3.3k ohm
R536	119-2231-15	1/16W 22k ohm
R537	119-3311-15	1/16W 330 ohm
R538	119-1041-15	1/16W 100k ohm
R539	119-1041-15	1/16W 100k ohm
R540	119-1011-15	1/16W 100 ohm
R541	119-1011-15	1/16W 100 ohm
R542	119-1031-15	1/16W 10k ohm
R543	119-1041-15	1/16W 100k ohm
R544	119-1041-15	1/16W 100k ohm
R545	119-1011-15	1/16W 100 ohm
R546	119-1011-15	1/16W 100 ohm
R547	119-1031-15	1/16W 10k ohm
R548	119-1031-15	1/16W 10k ohm
R549	119-1021-15	1/16W 1k ohm
R550	119-1021-15	1/16W 1k ohm
R551	119-1001-15	1/16W 10 ohm
R552	032-0140-62	1/16W 1k ohm F
R553	032-0140-62	1/16W 1k ohm F
R554	119-0000-05	1/16W 0 ohm JW
R555	119-1821-15	1/16W 1.8k ohm
R556	119-2231-15	1/16W 22k ohm
R557	119-2231-15	1/16W 22k ohm
R558	119-1231-15	1/16W 12k ohm
R559	119-1231-15	1/16W 12k ohm
R2001	119-4711-15	1/16W 470 ohm
R2002	119-4711-15	1/16W 470 ohm
R2003	119-4711-15	1/16W 470 ohm
R2004	119-1511-15	1/16W 150 ohm
R2005	119-4711-15	1/16W 470 ohm
R2006	119-4711-15	1/16W 470 ohm

REF No.	PART No.	DESCRIPTION
R3001	119-4711-15	1/16W 470 ohm
R3002	119-1011-15	1/16W 100 ohm
R3003	119-2211-15	1/16W 220 ohm
R3005	119-4711-15	1/16W 470 ohm
R3006	119-4711-15	1/16W 470 ohm
R3007	119-2211-15	1/16W 220 ohm
R3008	119-1011-15	1/16W 100 ohm
R3009	119-2201-15	1/16W 22 ohm
R4001	119-2201-15	1/16W 22 ohm
R4002	119-2201-15	1/16W 22 ohm
RB201	050-0140-69	1/32W 56 ohmx4J
RB202	050-0140-69	1/32W 56 ohmx4J
RB203	050-0140-69	1/32W 56 ohmx4J
RB204	050-0140-69	1/32W 56 ohmx4J
RB205	050-0140-69	1/32W 56 ohmx4J
RB206	050-0140-69	1/32W 56 ohmx4J
RB208	050-0140-69	1/32W 56 ohmx4J
RB209	050-0140-69	1/32W 56 ohmx4J
RB210	050-0140-69	1/32W 56 ohmx4J
RB211	050-0140-69	1/32W 56 ohmx4J
RB212	050-0140-69	1/32W 56 ohmx4J
RB213	050-0140-69	1/32W 56 ohmx4J
RB214	050-0140-67	CCT 220 ohmx4
RB215	050-0140-67	CCT 220 ohmx4
RB216	050-0140-67	CCT 220 ohmx4
RB217	050-0140-67	CCT 220 ohmx4
RB218	050-0140-67	CCT 220 ohmx4
RB219	050-0140-67	CCT 220 ohmx4
RB220	050-0140-67	CCT 220 ohmx4
RB221	050-0140-67	CCT 220 ohmx4
RB222	050-0140-58	470 ohmx4
RB223	050-0140-58	470 ohmx4
RB224	050-0140-58	470 ohmx4
RB225	050-0140-58	470 ohmx4
RB226	050-0140-58	470 ohmx4
RB227	050-0140-58	470 ohmx4

REF No.	PART No.	DESCRIPTION
RB228	050-0140-58	470 ohmx4
RB229	050-0140-58	470 ohmx4
RB230	050-0140-58	470 ohmx4
RB235	050-0140-70	10 ohmx4
RB236	050-0140-58	470 ohmx4
RB237	050-0140-58	470 ohmx4
RB238	050-0140-58	470 ohmx4
RB239	050-0140-58	470 ohmx4
RB240	050-0140-58	470 ohmx4
RB241	050-0140-58	470 ohmx4
RB242	050-0140-58	470 ohmx4
RB245	050-0140-58	470 ohmx4
RB247	050-0140-58	470 ohmx4
RB248	050-0140-58	470 ohmx4
RB249	050-0140-58	470 ohmx4
RB250	050-0140-58	470 ohmx4
RB251	050-0140-58	470 ohmx4
RB252	050-0140-58	470 ohmx4
RB255	050-0140-58	470 ohmx4
RB256	050-0140-58	470 ohmx4
RB305	050-0140-58	470 ohmx4
RB306	050-0140-58	470 ohmx4
RB307	050-0140-58	470 ohmx4
RB308	050-0140-58	470 ohmx4
RB309	050-0140-58	470 ohmx4
RB310	050-0140-67	220 ohmx4
RB311	050-0140-67	220 ohmx4
RB312	050-0140-67	220 ohmx4
RB313	050-0140-67	220 ohmx4
RB314	050-0140-67	220 ohmx4
RB315	050-0140-67	220 ohmx4
RB316	050-0140-67	220 ohmx4
RB317	050-0140-67	220 ohmx4
RB321	050-0140-58	470 ohmx4
RB323	050-0140-52	1/32W 100 ohmx4J
RB324	050-0140-52	1/32W 100 ohmx4J

REF No.	PART No.	DESCRIPTION
RB325	050-0140-52	1/32W 100 ohmx4J
RB326	050-0140-52	1/32W 100 ohmx4J
RB327	050-0140-52	1/32W 100 ohmx4J
RB328	050-0140-52	1/32W 100 ohmx4J
RB329	050-0140-52	1/32W 100 ohmx4J
RB330	050-0140-52	1/32W 100 ohmx4J
RB331	050-0140-52	1/32W 100 ohmx4J
RB332	050-0140-58	470 ohmx4
RB333	050-0140-67	220 ohmx4
RB334	050-0140-58	470 ohmx4
RB335	050-0140-58	470 ohmx4
RB336	050-0140-67	220 ohmx4
RB337	050-0140-58	470 ohmx4
RB338	050-0140-67	220 ohmx4
RB339	050-0140-58	470 ohmx4
RB340	050-0140-67	220 ohmx4
RB341	050-0140-58	470 ohmx4
RB342	050-0140-67	220 ohmx4
RB343	050-0140-52	1/32W 100 ohmx4J
RB345	050-0140-52	1/32W 100 ohmx4J
RB346	050-0140-52	1/32W 100 ohmx4J
RB347	050-0140-58	470 ohmx4
RB348	050-0140-67	220 ohmx4
RB349	050-0140-58	470 ohmx4
RB350	050-0140-67	220 ohmx4
RB351	050-0140-58	470 ohmx4
RB352	050-0140-67	220 ohmx4
S401	013-5108-00	SLIDE SWITCH
T501	009-9008-80	CHOKE 0.7mH
TU101	074-1295-66	16P
X301	061-4526-90	16.384MNz
X401	060-1505-50	10MHz
Z101	073-0768-90	TERMIMAL
Z102	073-0768-90	TERMIMAL
Z103	073-0768-90	TERMIMAL
Z104	073-0768-90	TERMIMAL