SPECIFICATIONS

FM Tuner

Frequency Range: 87.75MHz to 107.9MHz
(AUTO 200KHz STEP,MANU 200KHz STEP)
Quieting sens.: Less than 15dBuV
(at 87.9 / 98.1 / 107.9MHz, S/N=30dB)
Stereo separation: More than 25/20dB
(98.1MHz, ANT.IN 65dBuV, 1KHz/7KHz)
SASC sens. 31 +/- 5dBuV
(at 98.1M Hz, MOD.7KHz, ANT.IN 65dBuV
-1dB POINT)
Auto stop sens.: DX 29 +/- 6dBuV
(at 87.9 / 98.1 / 107.9MHz)
S/N: More than 50dB
(at 87.9 / 98.1 / 107.9MHz,
ANT.IN 55dBuV, 0dB=VOL-MAX)
Noise level -20dBuV IN: -15 +/- 3dB
(at 98.1MHz, ANT.IN 55dBuV -> -20dBuV)

AM Tuner

Frequency Range: 530KHz to 1710KHz
(AUTO 10KHz STEP,MANU 10KHz STEP)
Quieting sens.: Less than 37dBuV
(at 600 / 1000 / 1400KHz, S/N=20dB)
Auto stop sens.: DX 39 +/- 6dBuV
(at 600 / 1000 / 1400KHz)
S/N: More than 40dB
(at 600 / 1000 / 1400KHz, ANT.IN 74dBuV,
0dB=VOL-MAX)

CD Player

Max. power: 3.9V +/-3dB
(1KHz 2TRACK, VOL:MAX)
Distortion (CD-DA/MP3/WMA):
Less than 0.1%
(1KHz 5TRACK 20KHz LPF)
S/N: More than 80dB
(1KHz 2TRACK -> - ∞ 8TRACK
0dB= VOL-MAX, 20KHz LPF)
Separation: More than 50dB
(1KHz 9TRACK/11TRACK 20KHz LPF)
* TEST DISC; TCD-782/SCD-5606

TEL

TEL output level: PN-3432D-C/D ; 130mV +/- 3dB
PN-3432D-E ; 73mV +/- 3dB
("TEL-ON" of TH12 = 0~2V,
"TEL I/F+" ~ "TEL I/F-" of TH12 = 1KHz,3V,
VOL=16 step)

General

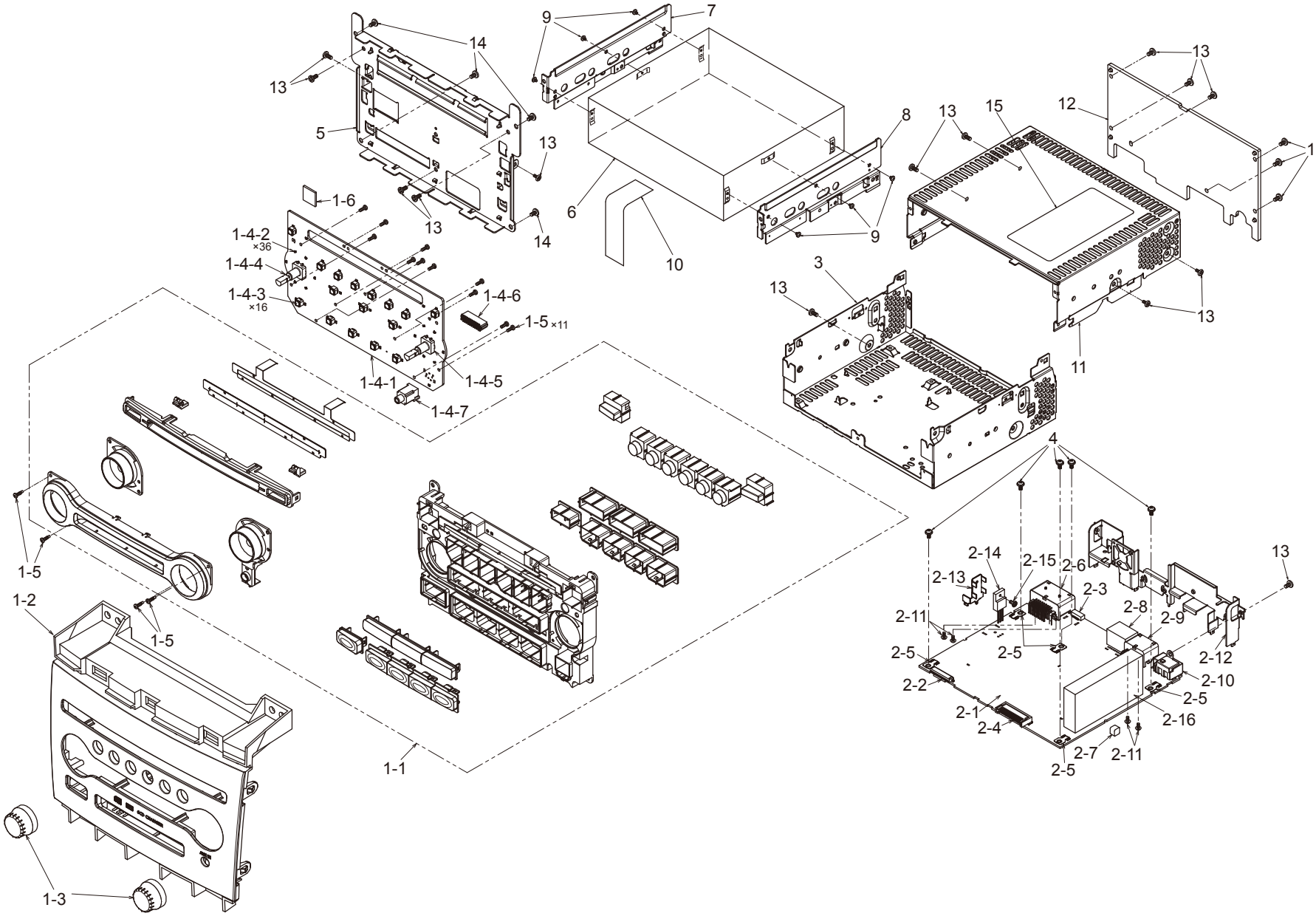
Backup current : Less than 1mA
(13.2V, 30sec. after ACC OFF)
Clock accuracy: Within 0+/-1 sec. (DAY)

Test conditions

Power supply voltage: 13.2V DC, negative ground
Load resistance: 2Kohm
Tone, Bass/Treb position: CENTER
Balance position: CENTER
Fader position: CENTER
* For details, please refer to the design specifications.

EXPLODED VIEW / PARTS LIST

NO.	PART NO.	DESCRIPTION	Q'TY
1	-	-	-
1-1	947-0804-15	BACK PLATE-ASSY	1
1-2	370-6538-16	ESCUTCHEON(for PN3432DC,DE)	1
	370-6538-15	ESCUTCHEON(for PN3432DD)	1
1-3	380-5705-01	KNOB	2
1-4	-	-	-
1-4-1	----------	SW PWB	1
1-4-2	001-7109-90	DIODE	36
1-4-3	013-6202-52	TACT SWITCH	16
1-4-4	016-0018-23	VR W/SHAFT	1
1-4-5	016-0024-07	VR W/SHAFT	1
1-4-6	074-3013-74	OUTLET SOCKET	1
1-4-7	075-0390-00	JACK	1
1-5	716-0778-52	SPECIAL SCREW	15
1-6	345-6126-00	CUSHION RUBBER	1
2	-	-	-
2-1	----------	MAIN PWB	1
2-2	074-1237-69	OUTLET SOCKET	1
2-3	-	N/A(PLUG)	-
2-4	076-3011-74	PLUG	1
2-5	073-0762-90	TERMINAL	5
2-6	074-4009-20	OUTLET SOCKET	1
2-7	345-5805-51	GASKET	1
2-8	074-1013-00	OUTLET SOCKET	1
2-9	074-1302-12	OUTLET SOCKET	1
2-10	092-2210-00	ANT-RECEPT	1
2-11	778-3006-00	TAP-SCREW	4
2-12	307-0731-00	REAR PLATE	1
2-13	331-4454-00	TR-HOLDER	1
2-14	051-3340-00	IC	1
2-15	716-1494-50	IT SCREW	1
2-16	.880-2026L	TUNER	1
3	311-1914-00	LOWER CASE	1
4	716-0878-50	SPECIAL SCREW	5
5	309-0850-02	ES-PLATE	1
6	929-0410-80	CD-CHANG-MODULE	1
7	331-4091-10	6CD BRKT(L)	1
8	331-4092-10	6CD BRKT(R)	1
9	716-3552-00	SPECIAL SCREW	6
10	816-4024-50	FLAT WIRE	1
11	310-1823-10	UPPER CASE	1
12	307-0732-00	REAR-CVR	1
13	714-2606-8B	MACHINE SCREW	17
14	716-1553-50	SPECIAL SCREW	4
15	276-0066-42	SETPLATE(for PN3432DC)	1
	276-0066-43	SETPLATE(for PN3432DD)	1
	276-0066-50	SETPLATE(for PN3432DE)	1


1-1
1-2
1-3
1-4-1
1-4-2 ×36
1-4-3 ×16
1-4-4
1-4-5
1-4-6
1-4-7
1-5
1-5 ×11
1-6
2-1
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15

ELECTRICAL PARTS LIST

MAIN PWB(B1) section

* Neither the part numbers of parts on which software is written, nor part numbers of parts for which replacement is prohibited in the production process are listed in the parts list. ⚠

REF NO.	PART NO.	DESCRIPTION
ANT101	092-2210-00	ANTENNA RECEPT
BL101	.880-2026L	TUNER
C101	168-2222-55	2200pF K
C102	----------	(N/A)
C103	166-1511-50	150pF CH
C104	----------	(N/A)
C105	163-1063-35	16V 10uF
C106	166-2201-50	22pF CH
C107	043-0319-51	200pF J CH
C108	168-2222-55	2200pF K
C109	168-1022-55	1000pF K
C110	168-1022-55	1000pF K
C111	168-1022-55	1000pF K
C112	168-1022-55	1000pF K
C113	163-1073-35	16V 100uF
C114	168-2222-55	2200pF K
C115	168-1022-55	1000pF K
C116	168-1022-55	1000pF K
C117	168-1022-55	1000pF K
C118	163-1073-35	16V 100uF
C119	163-4763-35	16V 47uF
C120	168-1042-78	16V 0.1uF K
C121	168-1042-78	16V 0.1uF K
C123	163-1073-35	16V 100uF
C124	163-1063-35	16V 10uF
C201	----------	(N/A)
C202	178-1052-78	25V 1uF
C203	178-3342-78	0.33uF
C204	----------	(N/A)
C205	163-2273-25	10V 220uF
C206	168-1042-78	16V 0.1uF K
C207	042-0579-51	16V 10uF
C208	042-0579-51	16V 10uF
C209	168-1042-78	16V 0.1uF K
C210	163-3373-15	6.3V 330uF
C301	166-1811-50	180pF CH
C302	168-1042-78	16V 0.1uF K
C303	163-4753-65	50V 4.7uF
C304	----------	(N/A)
C305	----------	(N/A)
C306	168-1042-78	16V 0.1uF K
C307	168-1042-78	16V 0.1uF K
C308	166-8097-50	8pF +/-0.5pF CH
C309	166-8097-50	8pF +/-0.5pF CH
C310	168-1022-55	1000pF K
C311	168-1022-55	1000pF K
C312	168-1022-55	1000pF K
C313	168-1022-55	1000pF K
C314	----------	(N/A)
C315	----------	(N/A)
C316	168-1022-55	1000pF K
C317	168-1022-55	1000pF K
C318	168-1042-78	16V 0.1uF K
C319	163-4753-65	50V 4.7uF
C320	168-1042-78	16V 0.1uF K
C321	163-4753-65	50V 4.7uF
C322	----------	(N/A)
C323	----------	(N/A)
C324	168-1022-55	1000pF K
C325	168-2222-55	2200pF K
C326	163-2273-25	10V 220uF
C327	168-4732-78	0.047uF K
C328	163-2263-35	16V 22uF
C329	168-1042-78	16V 0.1uF K
C330	163-3373-15	6.3V 330uF
C331	168-1042-78	16V 0.1uF K
C332	166-1011-50	100pF CH
C333	168-1042-78	16V 0.1uF K
C334	163-1063-35	16V 10uF
C335	168-1022-55	1000pF K
C336	178-1052-78	25V 1uF
C337	168-3332-78	0.033uF K
C338	168-1022-55	1000pF K
C340	168-1022-55	1000pF K
C341	----------	(N/A)
C342	----------	(N/A)
C343	168-4712-55	470pF K
C344	168-1022-55	1000pF K
C345	163-2263-35	16V 22uF
C346	163-1073-15	6.3V 100uF
C348	168-3322-55	3300pF K
C349	168-3322-55	3300pF K
C350	168-3322-55	3300pF K
C351	168-3322-55	3300pF K
C352	168-1042-78	16V 0.1uF K
C353	042-0643-58	6.3V 330uF
C355	168-2222-55	2200pF K
C356	168-2222-55	2200pF K
C357	168-2222-55	2200pF K
C358	168-2222-55	2200pF K
C359	163-1073-15	6.3V 100uF
C401	168-1042-78	16V 0.1uF K
C402	168-1042-78	16V 0.1uF K
C403	166-2201-50	22pF CH
C404	166-2201-50	22pF CH
C405	168-4722-55	4700pF K
C406	166-1201-50	12pF CH
C407	166-1201-50	12pF CH
C408	168-1042-78	16V 0.1uF K
C409	163-4763-15	6.3V 47uF
C410	168-1042-78	16V 0.1uF K
C411	168-1042-78	16V 0.1uF K
C412	168-1032-55	0.01uF K
C413	166-1011-50	100pF CH
C414	166-1011-50	100pF CH
C415	163-4763-35	16V 47uF
C416	043-0548-50	10V 2.2uF
C417	043-0548-50	10V 2.2uF
C418	166-2201-50	22pF CH
C419	166-2201-50	22pF CH
C420	166-2201-50	22pF CH
C421	166-2201-50	22pF CH
C422	166-2201-50	22pF CH
C423	166-2201-50	22pF CH
C424	166-1801-50	18pF CH
C425	043-0548-50	10V 2.2uF
C426	043-0548-50	10V 2.2uF
C427	043-0548-50	10V 2.2uF
C428	043-0548-50	10V 2.2uF
C429	168-1032-55	0.01uF K
C501	168-1042-78	16V 0.1uF K
C502	168-1042-78	16V 0.1uF K
C503	168-1042-78	16V 0.1uF K
C504	168-1042-78	16V 0.1uF K
C505	166-5611-50	560pF CH
C506	166-5611-50	560pF CH
C507	166-5611-50	560pF CH
C508	178-3342-78	0.33uF
C509	166-5611-50	560pF CH
C510	163-1073-15	6.3V 100uF
C511	166-2201-50	22pF CH
C512	166-2201-50	22pF CH
C513	168-1042-78	16V 0.1uF K
C514	168-1022-55	1000pF K
C515	166-2201-50	22pF CH
C516	166-2201-50	22pF CH
C517	166-5611-50	560pF CH
C518	166-5611-50	560pF CH
C519	166-5611-50	560pF CH
C520	166-5611-50	560pF CH
C521	163-4763-35	16V 47uF
C522	163-2273-25	10V 220uF
C523	166-2201-50	22pF CH
C524	168-2212-55	220pF K
C525	163-1073-35	16V 100uF
C526	042-0592-61	16V 47uF
C527	042-0592-61	16V 47uF
C528	163-4763-35	16V 47uF
C545	043-0566-90	50V 2.2uF K
C546	043-0604-90	25V 10uF B
C547	189-1083-32	16V 1000uF
C548	----------	(N/A)
C549	043-0499-51	50V 0.1uF J
C550	178-4742-78	0.47uF
C551	168-1042-38	50V 0.1uF K
C552	168-2222-55	2200pF K
C553	168-2222-55	2200pF K
C554	168-2222-55	2200pF K
C556	168-2222-55	2200pF K
C557	168-2222-55	2200pF K
C558	168-2222-55	2200pF K
C559	168-2222-55	2200pF K
C560	168-1522-55	1500pF K
C561	168-2222-55	2200pF K
C562	168-2222-55	2200pF K
C563	168-6822-55	6800pF K
C564	166-2201-50	22pF CH
C565	178-1052-78	25V 1uF
C566	168-1042-78	16V 0.1uF K
C567	163-1063-35	16V 10uF
C568	168-2232-55	0.022uF K
C569	163-3373-15	6.3V 330uF
C570	168-1022-55	1000pF K
C571	----------	(N/A)
C601	163-1063-35	16V 10uF
C602	163-1063-35	16V 10uF
C603	163-1063-35	16V 10uF
C604	163-1063-35	16V 10uF
C605	168-3332-78	0.033uF K
C606	168-3332-78	0.033uF K
C607	168-2232-55	0.022uF K
C608	168-1042-78	16V 0.1uF K
C609	168-4722-55	4700pF K
C610	168-4722-55	4700pF K
C611	168-1022-55	1000pF K
C612	168-1022-55	1000pF K
C613	168-1022-55	1000pF K
C617	168-1022-55	1000pF K
C618	168-1022-55	1000pF K
C701	043-0548-50	10V 2.2uF
C702	043-0548-50	10V 2.2uF
C703	166-5601-50	56pF CH
C704	166-5601-50	56pF CH
C705	----------	(N/A)
C706	----------	(N/A)
C707	----------	(N/A)
C708	----------	(N/A)
C709	166-5601-50	56pF CH
C710	166-5601-50	56pF CH
C711	043-0548-50	10V 2.2uF
C712	043-0548-50	10V 2.2uF
C713	166-5601-50	56pF CH
C714	166-5601-50	56pF CH
C715	----------	(N/A)
C716	----------	(N/A)
C717	----------	(N/A)
C718	----------	(N/A)
C719	166-5601-50	56pF CH
C720	166-5601-50	56pF CH
C721	163-3363-25	10V 33uF
C722	163-3363-25	10V 33uF
C723	163-3363-25	10V 33uF

REF NO.	PART NO.	DESCRIPTION
C724	163-3363-25	10V 33uF
C725	163-3363-25	10V 33uF
C726	163-3363-25	10V 33uF
C727	163-3363-25	10V 33uF
C728	163-3363-25	10V 33uF
C9001	----------	(N/A)
CCT401	050-0145-52	1/16W 1k ohm x4
CCT402	050-0145-52	1/16W 1k ohm x4
CCT403	050-0145-52	1/16W 1k ohm x4
D101	001-0580-90	1SS352
D102	001-0580-90	1SS352
D103	001-0529-47	MA8091-M
D201	001-2412-90	RR264M-400
D501	----------	(N/A)
D502	001-0529-48	MA8091-H
D503	001-0580-90	1SS352
D504	001-0580-90	1SS352
D505	001-0580-90	1SS352
D506	001-2640-90	D1FJ4
D508	001-2015-00	RL253
D509	001-2412-90	RR264M-400
D510	001-0529-48	MA8091-H
D511	001-4301-68	HZU18B1
D512	001-0580-90	1SS352
D513	001-4301-68	HZU18B1
D514	001-4301-68	HZU18B1
D515	001-0529-34	MA8062-L
D516	001-0580-90	1SS352
D517	001-0580-90	1SS352
D601	001-0580-90	1SS352
D602	001-0529-44	MA8082-M
D605	001-4305-39	UDZSTE-17 36B
D606	001-0580-90	1SS352
D607	001-0580-90	1SS352
D609	001-4305-39	UDZSTE-17 36B
D610	001-4305-39	UDZSTE-17 36B
IC101	051-3341-90	BD3931FP
IC201	051-3516-90	S-1132B33-U5T1G
IC202	051-3340-00	LD1085P
IC301	----------	SAF7730HV/N317F
		(DSP)
		(Thermal pad)
		(670630-051)
IC401	----------	BR24L16FVM-WTR
		(E2POM)
		(Software should be
		written on production)
		(942490-051)
IC402	----------	M30876FJAGP
		VIRGIN-TYP
		(Flash u-COM)
		(Software should be
		written on production)
		(031510-052)
IC403	051-6607-08	PCA82C250T-T
IC404	051-5417-38	R3112N271A
		-TR-FA
IC405	051-3034-90	NJM4558V
IC406	051-6212-08	LC72191JM-TLM
IC501	051-3396-90	NJM2386ADL3
		-33-TE1
IC502	051-3019-90	NJM2060V
IC503	051-3034-90	NJM4558V
IC505	----------	LT3481EMSE
		#TRPBF
		(SW-REG)
		(Thermal pad)
		(351790-051)
IC506	051-5441-08	BD4828G-TR
IC701	051-3019-90	NJM2060V
IC702	051-3019-90	NJM2060V
J201	074-1237-69	19P
J501	074-4009-20	20P
J601	074-1013-00	12P
J602	074-1302-12	12P

REF NO.	PART NO.	DESCRIPTION
L101	010-2003-04	30uH
L102	010-4011-20	2.5mH +3/-3%
L301	010-3104-54	600 ohm/100MHz
L302	010-3103-50	1500 ohm/100MHz
L303	010-3104-54	600 ohm/100MHz
L304	010-3104-54	600 ohm/100MHz
L305	010-3103-50	1500 ohm/100MHz
L306	010-3104-54	600 ohm/100MHz
L307	010-3103-50	1500 ohm/100MHz
L308	010-3104-54	600 ohm/100MHz
L309	010-3104-54	600 ohm/100MHz
L310	010-3104-54	600 ohm/100MHz
L311	010-3103-50	1500 ohm/100MHz
L312	010-3104-54	600 ohm/100MHz
L313	010-3104-54	600 ohm/100MHz
L402	010-3406-66	22uH J
L403	010-3406-54	2.2uH J
L404	010-3601-50	600 ohm/100MHz
L501	010-3104-54	600 ohm/100MHz
L502	010-3104-54	600 ohm/100MHz
L503	010-3414-90	6.8uH
L504	010-8045-00	520uH
P401	076-0478-59	9P
P402	076-3011-74	24P
Q101	190-2060-00	2SA2060
Q102	125-2026-95	UNR521NG
Q103	----------	(N/A)
Q104	----------	(N/A)
Q105	192-5886-00	2SC5886
Q201	192-4081-00	2SC4081
Q202	125-0021-91	DTA114EUA
Q203	125-2027-91	DTC114EUA
Q204	198-3018-00	2SK3018
Q205	198-3018-00	2SK3018
Q206	125-9017-92	UMD3N-TR
Q301	125-7007-90	Si5441BDC-TI-E3
Q302	125-2027-91	DTC114EUA
Q303	----------	(N/A)
Q304	----------	(N/A)
Q305	125-2027-91	DTC114EUA
Q306	----------	(N/A)
Q307	----------	(N/A)
Q308	125-2027-91	DTC114EUA
Q309	----------	(N/A)
Q310	----------	(N/A)
Q311	----------	(N/A)
Q501	190-1586-00	2SA1586 O,Y,G
Q502	125-2027-91	DTC114EUA
Q503	193-1664-00	2SD1664
Q504	192-4116-51	2SC4116 G,L
Q505	191-1204-61	2SB1204 R,S,T
Q506	125-9017-92	UMD3N-TR
Q507	125-2027-91	DTC114EUA
Q508	191-1197-50	2SB1197K Q,R
Q509	125-2027-91	DTC114EUA
Q512	192-4081-00	2SC4081
Q513	192-4081-00	2SC4081
Q514	125-2027-91	DTC114EUA
Q516	192-4081-00	2SC4081
Q601	125-0006-90	UNR2110
Q602	125-2027-91	DTC114EUA
Q603	192-4081-00	2SC4081
Q604	192-4081-00	2SC4081
Q605	192-4081-00	2SC4081
Q607	125-0021-91	DTA114EUA
Q610	125-2027-91	DTC114EUA
Q611	192-4081-00	2SC4081
Q612	192-4081-00	2SC4081
Q613	125-0021-91	DTA114EUA
Q614	125-0021-91	DTA114EUA
R102	116-1091-15	1/4W 1 ohm
R104	116-1221-15	1/4W 1.2k ohm
R105	119-1031-15	1/10W 10k ohm
R106	119-0000-05	1/10W 0 ohm JW
R107	119-0000-05	1/10W 0 ohm JW

REF NO.	PART NO.	DESCRIPTION
R108	----------	(N/A)
R109	----------	(N/A)
R110	119-1011-15	1/10W 100 ohm
R111	119-1011-15	1/10W 100 ohm
R112	119-1011-15	1/10W 100 ohm
R113	----------	(N/A)
R114	----------	(N/A)
R115	119-1011-15	1/10W 100 ohm
R116	119-1011-15	1/10W 100 ohm
R117	119-1011-15	1/10W 100 ohm
R118	116-1091-15	1/4W 1 ohm
R119	116-3911-15	1/4W 390 ohm
R206	119-1021-15	1/10W 1k ohm
R207	119-3331-15	1/10W 33k ohm
R208	119-4731-15	1/10W 47k ohm
R209	119-1041-15	1/10W 100k ohm
R210	119-4721-15	1/10W 4.7k ohm
R212	119-4721-15	1/10W 4.7k ohm
R213	119-4721-15	1/10W 4.7k ohm
R214	119-4721-15	1/10W 4.7k ohm
R216	032-0140-98	1/10W 330 ohm F
R217	032-0140-93	1/10W 2k ohm F
R301	119-1031-15	1/10W 10k ohm
R302	119-2201-15	1/10W 22 ohm
R303	119-1031-15	1/10W 10k ohm
R304	119-0000-05	1/10W 0 ohm JW
R305	119-0000-05	1/10W 0 ohm JW
R306	119-0000-05	1/10W 0 ohm JW
R307	119-0000-05	1/10W 0 ohm JW
R308	032-0140-80	1/10W 18k ohm F
R309	032-0140-80	1/10W 18k ohm F
R310	032-0140-80	1/10W 18k ohm F
R311	032-0140-80	1/10W 18k ohm F
R312	119-1011-15	1/10W 100 ohm
R313	119-1031-15	1/10W 10k ohm
R314	119-1021-15	1/10W 1k ohm
R315	119-1021-15	1/10W 1k ohm
R316	119-3921-15	1/10W 3.9k ohm
R317	119-1041-15	1/10W 100k ohm
R318	119-3921-15	1/10W 3.9k ohm
R319	119-1041-15	1/10W 100k ohm
R320	119-0000-05	1/10W 0 ohm JW
R321	119-1041-15	1/10W 100k ohm
R322	119-1041-15	1/10W 100k ohm
R323	119-1041-15	1/10W 100k ohm
R324	119-1041-15	1/10W 100k ohm
R325	119-3921-15	1/10W 3.9k ohm
R326	119-1001-15	1/10W 10 ohm
R327	119-3921-15	1/10W 3.9k ohm
R328	119-1021-15	1/10W 1k ohm
R329	119-0000-05	1/10W 0 ohm JW
R330	119-0000-05	1/10W 0 ohm JW
R331	032-0140-50	1/10W 10k ohm F
R332	032-0140-50	1/10W 10k ohm F
R333	032-0140-50	1/10W 10k ohm F
R334	032-0140-50	1/10W 10k ohm F
R335	032-0140-50	1/10W 10k ohm F
R336	032-0140-50	1/10W 10k ohm F
R337	119-1041-15	1/10W 100k ohm
R338	119-1041-15	1/10W 100k ohm
R339	119-1031-15	1/10W 10k ohm
R340	119-1031-15	1/10W 10k ohm
R341	119-1011-15	1/10W 100 ohm
R342	119-1011-15	1/10W 100 ohm
R343	119-0000-05	1/10W 0 ohm JW
R344	119-0000-05	1/10W 0 ohm JW
R345	119-0000-05	1/10W 0 ohm JW
R346	----------	(N/A)
R347	119-0000-05	1/10W 0 ohm JW
R348	119-4731-15	1/10W 47k ohm
R349	119-1031-15	1/10W 10k ohm
R350	119-0000-05	1/10W 0 ohm JW
R351	119-4731-15	1/10W 47k ohm
R352	119-1021-15	1/10W 1k ohm
R353	119-1021-15	1/10W 1k ohm

REF NO.	PART NO.	DESCRIPTION
R354	119-1021-15	1/10W 1k ohm
R355	119-1021-15	1/10W 1k ohm
R356	119-4731-15	1/10W 47k ohm
R357	119-4731-15	1/10W 47k ohm
R358	119-1001-15	1/10W 10 ohm
R359	119-4731-15	1/10W 47k ohm
R360	119-4731-15	1/10W 47k ohm
R361	119-4731-15	1/10W 47k ohm
R362	119-4731-15	1/10W 47k ohm
R401	119-1021-15	1/10W 1k ohm
R402	119-1021-15	1/10W 1k ohm
R403	119-1021-15	1/10W 1k ohm
R404	119-1021-15	1/10W 1k ohm
R405	119-0000-05	1/10W 0 ohm JW
R406	119-1021-15	1/10W 1k ohm
R407	119-1021-15	1/10W 1k ohm
R408	119-1021-15	1/10W 1k ohm
R409	119-4731-15	1/10W 47k ohm
R410	119-4731-15	1/10W 47k ohm
R411	119-4721-15	1/10W 4.7k ohm
R412	119-4731-15	1/10W 47k ohm
R413	119-4731-15	1/10W 47k ohm
R414	119-4711-15	1/10W 470 ohm
R415	119-4711-15	1/10W 470 ohm
R416	119-4721-15	1/10W 4.7k ohm
R417	119-4721-15	1/10W 4.7k ohm
R418	119-4721-15	1/10W 4.7k ohm
R419	119-4721-15	1/10W 4.7k ohm
R420	119-1041-15	1/10W 100k ohm
R421	119-1041-15	1/10W 100k ohm
R424	119-1011-15	1/10W 100 ohm
R425	119-1011-15	1/10W 100 ohm
R426	119-1011-15	1/10W 100 ohm
R427	119-1011-15	1/10W 100 ohm
R428	119-1031-15	1/10W 10k ohm
R429	119-1031-15	1/10W 10k ohm
R430	119-4721-15	1/10W 4.7k ohm
R431	119-1021-15	1/10W 1k ohm
R432	119-1021-15	1/10W 1k ohm
R433	119-4721-15	1/10W 4.7k ohm
R434	119-1021-15	1/10W 1k ohm
R435	116-6201-15	1/4W 62 ohm
R436	119-1031-15	1/10W 10k ohm
R437	116-6201-15	1/4W 62 ohm
R438	119-4731-15	1/10W 47k ohm
R439	119-1021-15	1/10W 1k ohm
R440	119-1021-15	1/10W 1k ohm
R441	119-0000-05	1/10W 0 ohm JW
R443	119-1031-15	1/10W 10k ohm
R444	119-4731-15	1/10W 47k ohm
R445	119-1031-15	1/10W 10k ohm
R446	119-4731-15	1/10W 47k ohm
R447	119-1021-15	1/10W 1k ohm
R448	119-4731-15	1/10W 47k ohm
R449	119-4731-15	1/10W 47k ohm
R450	119-4731-15	1/10W 47k ohm
R451	119-4731-15	1/10W 47k ohm
R452	119-4731-15	1/10W 47k ohm
R453	119-1011-15	1/10W 100 ohm
R454	119-1011-15	1/10W 100 ohm
R456	119-4721-15	1/10W 4.7k ohm
R457	119-4721-15	1/10W 4.7k ohm
R458	119-1041-15	1/10W 100k ohm
R459	119-1011-15	1/10W 100 ohm
R460	----------	(N/A)
R461	119-2231-15	1/10W 22k ohm
R462	119-1041-15	1/10W 100k ohm
R463	----------	(N/A)
R464	----------	(N/A)
R465	----------	(N/A)
R466	032-0140-15	1/10W 6.8k ohm F
R467	032-0140-15	1/10W 6.8k ohm F
R468	119-4731-15	1/10W 47k ohm
R469	032-0140-15	1/10W 6.8k ohm F
R470	032-0140-15	1/10W 6.8k ohm F

REF NO.	PART NO.	DESCRIPTION
R471	032-0140-50	1/10W 10k ohm F
R472	032-0140-50	1/10W 10k ohm F
R473	032-0140-50	1/10W 10k ohm F
R474	032-0140-50	1/10W 10k ohm F
R475	119-1031-15	1/10W 10k ohm
R476	119-1031-15	1/10W 10k ohm
R493	----------	(N/A)
R494	----------	(N/A)
R495	119-4731-15	1/10W 47k ohm
R496	119-4731-15	1/10W 47k ohm
R497	119-4731-15	1/10W 47k ohm
R498	119-4731-15	1/10W 47k ohm
R499	119-1011-15	1/10W 100 ohm
R501	119-1031-15	1/10W 10k ohm
R502	119-1031-15	1/10W 10k ohm
R503	119-1031-15	1/10W 10k ohm
R504	119-1031-15	1/10W 10k ohm
R505	119-1031-15	1/10W 10k ohm
R506	119-1031-15	1/10W 10k ohm
R507	119-1031-15	1/10W 10k ohm
R508	119-1031-15	1/10W 10k ohm
R509	119-1031-15	1/10W 10k ohm
R510	119-1031-15	1/10W 10k ohm
R511	119-1051-15	1/10W 1M ohm
R512	119-1051-15	1/10W 1M ohm
R513	119-1051-15	1/10W 1M ohm
R514	119-1051-15	1/10W 1M ohm
R515	119-1031-15	1/10W 10k ohm
R516	119-1031-15	1/10W 10k ohm
R517	119-1031-15	1/10W 10k ohm
R518	119-1031-15	1/10W 10k ohm
R519	119-1031-15	1/10W 10k ohm
R520	119-1031-15	1/10W 10k ohm
R521	119-1031-15	1/10W 10k ohm
R522	119-1031-15	1/10W 10k ohm
R523	119-1031-15	1/10W 10k ohm
R524	119-1031-15	1/10W 10k ohm
R526	116-3911-15	1/4W 390 ohm
R527	116-1221-15	1/4W 1.2k ohm
R528	116-8211-15	1/4W 820 ohm
R529	116-1221-15	1/4W 1.2k ohm
R530	116-1221-15	1/4W 1.2k ohm
R531	119-1031-15	1/10W 10k ohm
R532	116-8211-15	1/4W 820 ohm
R533	119-1031-15	1/10W 10k ohm
R534	116-1221-15	1/4W 1.2k ohm
R535	119-4721-15	1/10W 4.7k ohm
R536	119-4731-15	1/10W 47k ohm
R537	116-4721-15	1/4W 4.7k ohm
R538	119-2731-15	1/10W 27k ohm
R540	119-1521-15	1/10W 1.5k ohm
R541	119-1031-15	1/10W 10k ohm
R542	032-0140-03	1/10W 220k ohm F
R543	032-0140-19	1/10W 75k ohm F
R546	----------	(N/A)
R548	119-2241-15	1/10W 220k ohm
R551	119-1031-15	1/10W 10k ohm
R552	032-0140-16	1/10W 180k ohm F
R553	032-0148-50	1/10W 100k ohm D
R554	032-0140-51	1/10W 15k ohm F
R555	116-2721-15	1/4W 2.7k ohm
R556	116-1531-15	1/4W 15k ohm
R557	----------	(N/A)
R558	119-2221-15	1/10W 2.2k ohm
R559	116-1531-15	1/4W 15k ohm
R560	116-4791-15	1/4W 4.7 ohm
R561	116-4791-15	1/4W 4.7 ohm
R562	119-1031-15	1/10W 10k ohm
R563	----------	(N/A)
R564	119-5611-15	1/10W 560 ohm
R565	119-1031-15	1/10W 10k ohm
R566	119-3321-15	1/10W 3.3k ohm
R567	119-2231-15	1/10W 22k ohm
R568	----------	(N/A)
R569	119-0000-05	1/10W 0 ohm JW

REF NO.	PART NO.	DESCRIPTION
R570	116-8211-15	1/4W 820 ohm
R575	119-0000-05	1/10W 0 ohm JW
R576	119-7531-15	1/10W 75k ohm
R577	119-4731-15	1/10W 47k ohm
R601	119-3011-15	1/10W 300 ohm
R602	119-3011-15	1/10W 300 ohm
R603	119-3011-15	1/10W 300 ohm
R604	032-0140-89	1/10W 47k ohm F
R605	032-0140-89	1/10W 47k ohm F
R606	119-1031-15	1/10W 10k ohm
R607	119-1021-15	1/10W 1k ohm
R608	119-6821-15	1/10W 6.8k ohm
R609	119-5621-15	1/10W 5.6k ohm
R610	119-5621-15	1/10W 5.6k ohm
R612	119-5631-15	1/10W 56k ohm
R613	119-5631-15	1/10W 56k ohm
R615	119-4731-15	1/10W 47k ohm
R616	119-1031-15	1/10W 10k ohm
R617	119-1031-15	1/10W 10k ohm
R623	119-5631-15	1/10W 56k ohm
R624	119-1031-15	1/10W 10k ohm
R625	119-2231-15	1/10W 22k ohm
R626	119-4731-15	1/10W 47k ohm
R628	119-5621-15	1/10W 5.6k ohm
R629	119-5621-15	1/10W 5.6k ohm
R630	119-1021-15	1/10W 1k ohm
R631	119-1021-15	1/10W 1k ohm
R701	119-3321-15	1/10W 3.3k ohm
R702	119-2231-15	1/10W 22k ohm
R703	119-1531-15	1/10W 15k ohm
R704	117-3301-15	1/8W 33 ohm
R705	117-3301-15	1/8W 33 ohm
R706	119-1531-15	1/10W 15k ohm
R707	119-2231-15	1/10W 22k ohm
R708	119-3321-15	1/10W 3.3k ohm
R709	119-5631-15	1/10W 56k ohm
R710	119-5631-15	1/10W 56k ohm
R711	119-1031-15	1/10W 10k ohm
R712	119-1031-15	1/10W 10k ohm
R713	119-2231-15	1/10W 22k ohm
R714	117-3301-15	1/8W 33 ohm
R715	117-3301-15	1/8W 33 ohm
R716	119-2231-15	1/10W 22k ohm
R717	119-3321-15	1/10W 3.3k ohm
R718	119-2231-15	1/10W 22k ohm
R719	119-1531-15	1/10W 15k ohm
R720	117-3301-15	1/8W 33 ohm
R721	117-3301-15	1/8W 33 ohm
R722	119-1531-15	1/10W 15k ohm
R723	119-2231-15	1/10W 22k ohm
R724	119-3321-15	1/10W 3.3k ohm
R725	119-5631-15	1/10W 56k ohm
R726	119-5631-15	1/10W 56k ohm
R727	119-1031-15	1/10W 10k ohm
R728	119-1031-15	1/10W 10k ohm
R729	119-2231-15	1/10W 22k ohm
R730	117-3301-15	1/8W 33 ohm
R731	117-3301-15	1/8W 33 ohm
R732	119-2231-15	1/10W 22k ohm
SUP101	060-0122-91	DSP-141N-S00B
SUP102	060-0122-91	DSP-141N-S00B
TC401	004-1580-10	30pF GRN
TH101	002-0229-00	PTH8L05 BAIR8M1B
TM101	073-0762-90	TERMINAL
TM102	073-0762-90	TERMINAL
TM501	073-0762-90	TERMINAL
TM502	073-0762-90	TERMINAL
TM601	073-0762-90	TERMINAL
X301	061-3537-90	41.6MHz
X401	061-3541-90	10.00MHz
X402	061-1066-00	7.2MHz
PWB	039-3204-00	PWB(WITHOUT COMPONENTS)

SW PWB(B2) section

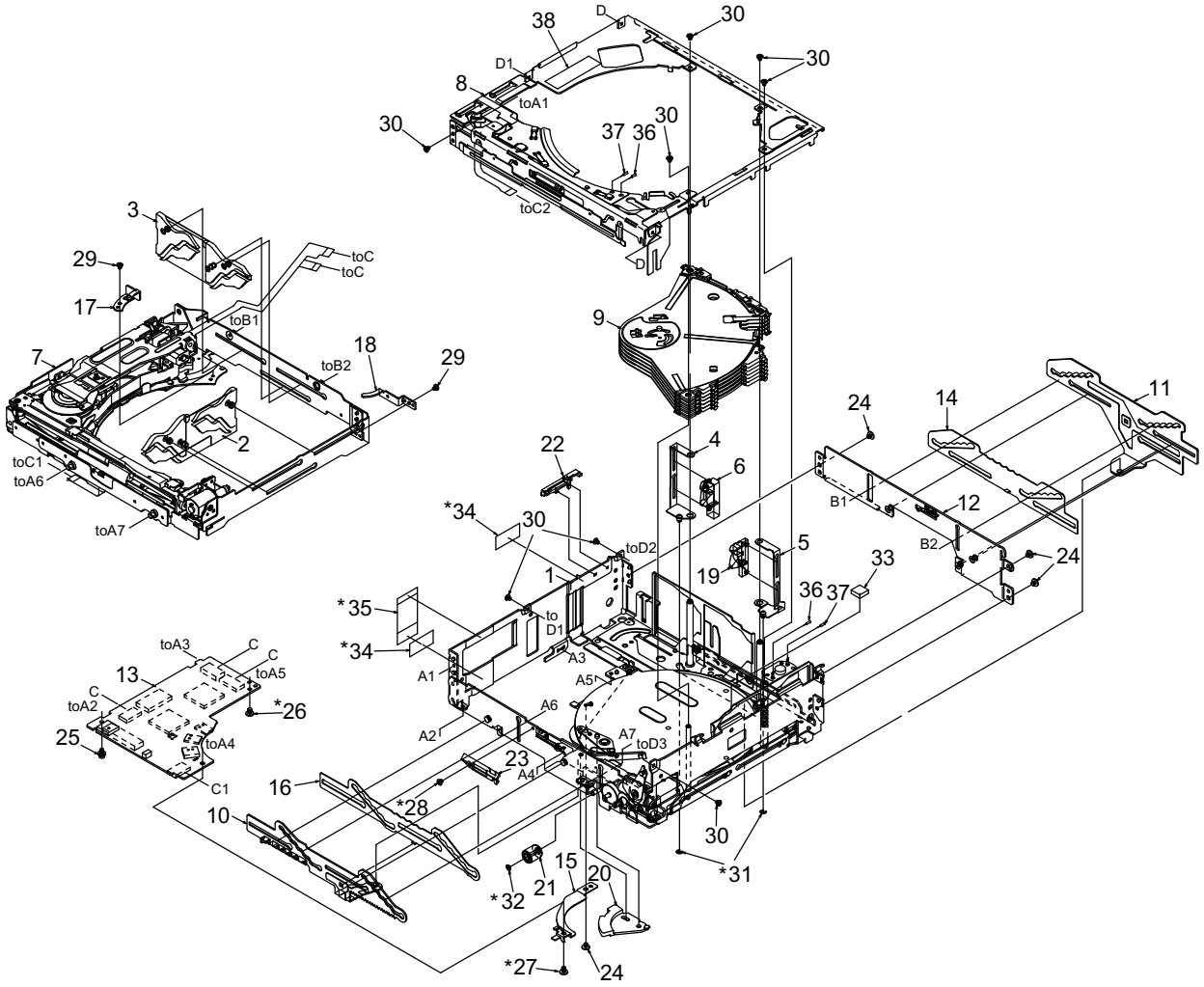
REF NO.	PART NO.	DESCRIPTION
D701	001-9210-50	AVR-M1608C270MTAAD
D702	001-9210-50	AVR-M1608C270MTAAD
D703	001-9210-50	AVR-M1608C270MTAAD
D704	001-9210-50	AVR-M1608C270MTAAD
D705	001-0516-90	MA111
D706	001-0516-90	MA111
D707	001-0516-90	MA111
D708	001-0516-90	MA111
D709	001-0516-90	MA111
D710	001-0516-90	MA111
D711	001-0516-90	MA111
D712	001-0516-90	MA111
D713	001-7109-90	SML-311DTT86 ORG
D714	001-7109-90	SML-311DTT86 ORG
D715	001-7109-90	SML-311DTT86 ORG
D716	001-7109-90	SML-311DTT86 ORG
D717	001-7109-90	SML-311DTT86 ORG
D720	001-7109-90	SML-311DTT86 ORG
D721	001-7109-90	SML-311DTT86 ORG
D722	001-7109-90	SML-311DTT86 ORG
D723	001-7109-90	SML-311DTT86 ORG
D724	001-7109-90	SML-311DTT86 ORG
D725	001-7109-90	SML-311DTT86 ORG
D728	001-7109-90	SML-311DTT86 ORG
D729	001-7109-90	SML-311DTT86 ORG
D730	001-7109-90	SML-311DTT86 ORG
D731	001-7109-90	SML-311DTT86 ORG
D732	----------	(N/A)
D733	----------	(N/A)
D734	----------	(N/A)

REF NO.	PART NO.	DESCRIPTION
D735	----------	(N/A)
D736	001-7109-90	SML-311DTT86 ORG
D737	001-7109-90	SML-311DTT86 ORG
D738	001-7109-90	SML-311DTT86 ORG
D739	001-7109-90	SML-311DTT86 ORG
D740	001-7109-90	SML-311DTT86 ORG
D741	001-7109-90	SML-311DTT86 ORG
D742	----------	(N/A)
D743	001-7109-90	SML-311DTT86 ORG
D744	001-7109-90	SML-311DTT86 ORG
D745	001-7109-90	SML-311DTT86 ORG
D746	001-7109-90	SML-311DTT86 ORG
D747	----------	(N/A)
D748	001-7109-90	SML-311DTT86 ORG
D749	001-7109-90	SML-311DTT86 ORG
D750	001-7109-90	SML-311DTT86 ORG
D751	001-7109-90	SML-311DTT86 ORG
D752	----------	(N/A)
D753	001-7109-90	SML-311DTT86 ORG
D754	001-7109-90	SML-311DTT86 ORG
D755	----------	(N/A)
D756	001-7109-90	SML-311DTT86 ORG
D757	001-7109-90	SML-311DTT86 ORG
D758	001-7109-90	SML-311DTT86 ORG
D759	001-7109-90	SML-311DTT86 ORG
D760	001-0516-90	MA111
D761	001-0516-90	MA111
D762	001-7109-90	SML-311DTT86 ORG

REF NO.	PART NO.	DESCRIPTION
J701	075-0390-00	JACK
J702	074-3013-74	24P
R701	116-3321-15	1/4W 3.3k ohm
R705	116-1021-15	1/4W 1k ohm
R706	116-1821-15	1/4W 1.8k ohm
R707	116-2221-15	1/4W 2.2k ohm
R709	116-2721-15	1/4W 2.7k ohm
R710	116-2221-15	1/4W 2.2k ohm
R711	116-4711-15	1/4W 470 ohm
R713	116-2221-15	1/4W 2.2k ohm
R714	116-1521-15	1/4W 1.5k ohm
R715	116-1521-15	1/4W 1.5k ohm
R716	116-1521-15	1/4W 1.5k ohm
R717	116-1821-15	1/4W 1.8k ohm
R718	116-1821-15	1/4W 1.8k ohm
R719	116-1821-15	1/4W 1.8k ohm
R720	116-1221-15	1/4W 1.2k ohm
R721	116-1221-15	1/4W 1.2k ohm
R722	116-1221-15	1/4W 1.2k ohm
R723	116-1221-15	1/4W 1.2k ohm
R724	116-1521-15	1/4W 1.5k ohm
S701	013-6202-52	SKPMBJE010
S702	013-6202-52	SKPMBJE010
S703	013-6202-52	SKPMBJE010
S704	013-6202-52	SKPMBJE010
S705	013-6202-52	SKPMBJE010
S706	013-6202-52	SKPMBJE010
S707	013-6202-52	SKPMBJE010
S708	013-6202-52	SKPMBJE010
S709	013-6202-52	SKPMBJE010
S710	013-6202-52	SKPMBJE010
S711	013-6202-52	SKPMBJE010
S712	013-6202-52	SKPMBJE010
S713	013-6202-52	SKPMBJE010
S714	013-6202-52	SKPMBJE010
S715	013-6202-52	SKPMBJE010
S716	013-6202-52	SKPMBJE010
TM701	----------	(N/A)
TM702	----------	(N/A)
TM703	----------	(N/A)
TM704	----------	(N/A)
TM705	----------	(N/A)
VR701	016-0018-23	ROTALY ENCODER
VR702	016-0024-07	ROTALY ENCODER
PWB	039-3156-01	PWB(WITHOUT COMPONENTS)

EXPLODED VIEW/PARTS LIST

Main section

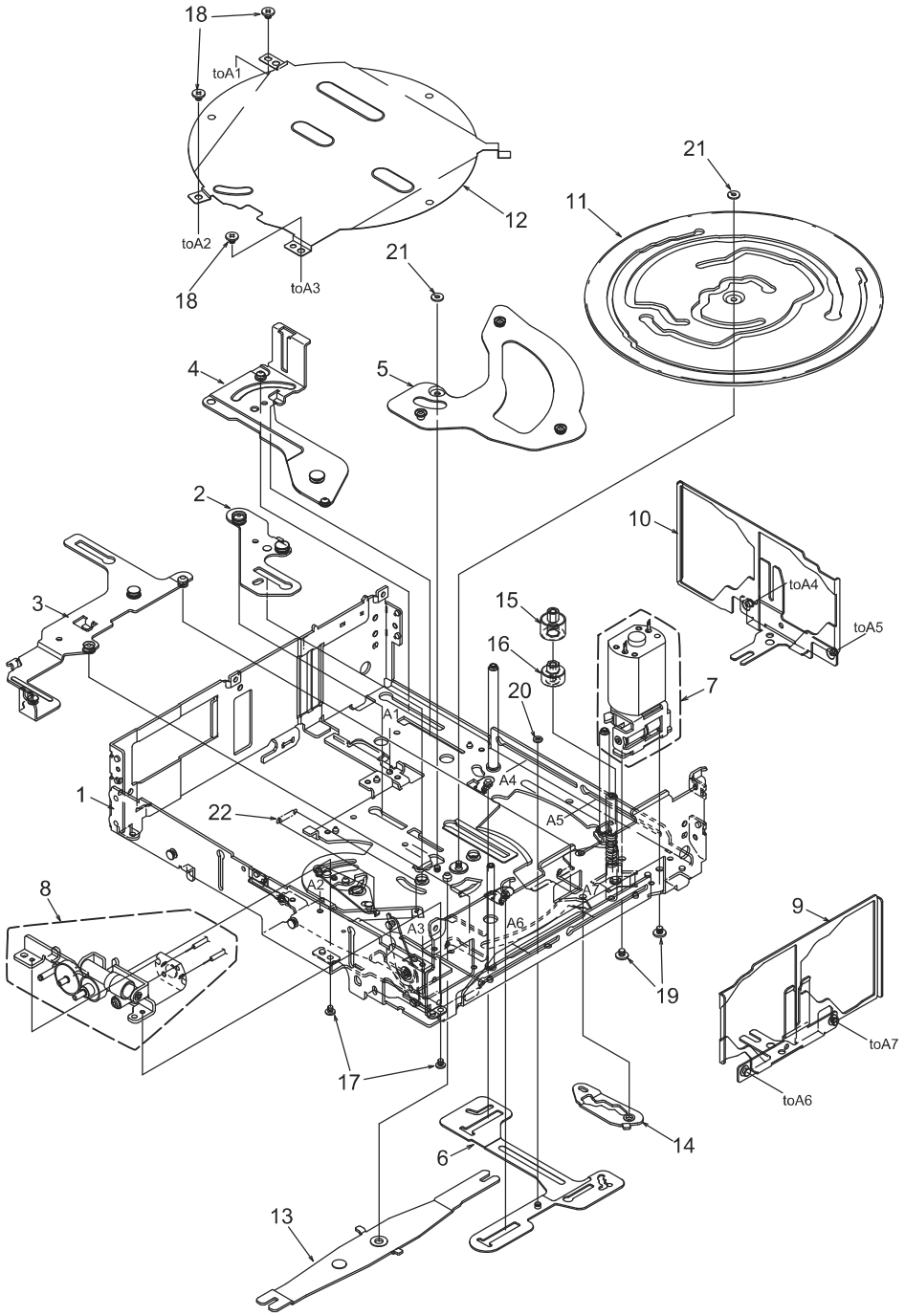


* Do not reuse the following parts.
(No.26,27,28,32,31,34,35)

NO.	PART NO.	DESCRIPTION	Q'TY
1	----------	LOWER UNIT ASSY	1
2	HBS-617-100	KUSABI-ASSY-S	1
3	HBS-618-100	KUSABI-ASSY-R	1
4	966-1846-20	DS-SP-ASSY L	1
5	966-1847-21	DS-SP ASSY R	1
6	966-1898-21	DISC STP-ASSY L	1
7	966-1899-20	DRIVE-CH UNIT	1
8	966-1840-23	UPPER UNIT ASSY	1
9	HBS-602-100	DISCHOLDER UNIT	1
10	966-1771-21	SLIDE-P-ASSY	1
11	966-1814-21	SLIDE-P-ASSY-R	1
12	966-1874-20	REAR-P-ASSY R	1
13	HBS-658-100	CD PWB ASSY	1
14	620-1662-21	GAP PLATE R	1
15	620-1640-20	SW-H-PLATE	1
16	620-1778-21	GAP PLATE F	1
17	620-1685-21	DS-PLATE L	1
18	620-1686-20	DS-PLATE R	1
19	621-1819-20	DISC STOPPER R	1

NO.	PART NO.	DESCRIPTION	Q'TY
20	621-1812-20	SW LINK	1
21	621-1765-21	UD-GEAR-D	1
22	621-1715-20	FPC-STOPPER	1
23	621-1763-20	LOADING GUIDE B	1
24	716-1850-01	SCREW(M2.0x2)	4
25	716-3598-00	SCREW(M2.0x4)	1
26	716-3599-00	SCREW(M2.0x2 sealock)	1
27	716-3600-00	SCREW(M2.0x3 sealock)	1
28	716-3601-00	SCREW(M1.7x2 sealock)	1
29	716-3450-00	SCREW(M1.7x2.0)	2
30	716-3451-01	SCREW(M1.7x2.5)	8
31	744-0045-01	C-RING	2
32	746-0761-00	WASHER	1
33	345-5824-00	RUBBER PART	1
34	347-8230-00	PROTECT SHEET	2
35	347-8219-00	FPC-SHEET N	1
36	800-4921-60	VINYL-COAT-WIRE	1
37	802-4921-60	VINYL-COAT-WIRE	1
38	293-8575-00	MECH LABEL	1

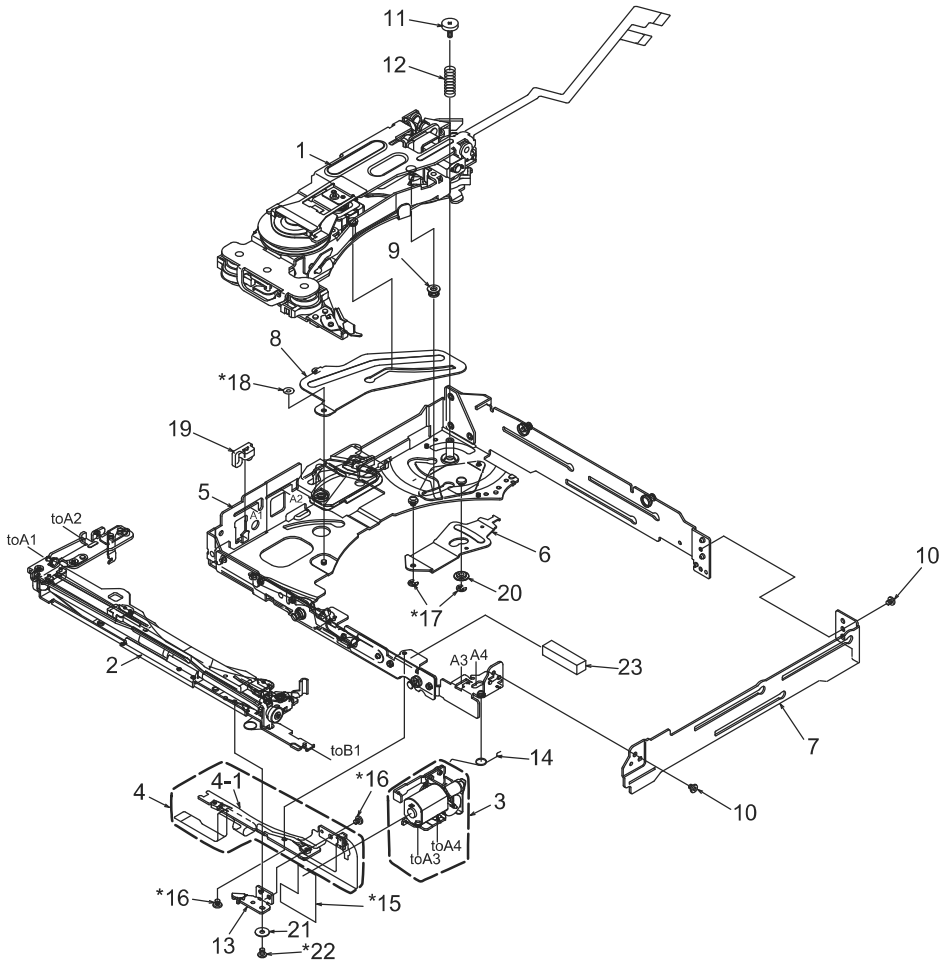
Lower unit assy section



NO.	PART NO.	DESCRIPTION	Q'TY
1	966-1834-24	LOWER-C-ASSY	1
2	966-0658-22	DH-SP-ASSY	1
3	966-1836-22	TATSU-P-ASSY	1
4	966-1832-20	D-SHT PL-B-ASSY	1
5	966-0659-22	DH-SP-ASSY B	1
6	966-1835-24	DS-SP-ASSY	1
7	HBS-622-100	M-MTR SUB ASSY	1
8	HBS-616-100	UD-MOTOR-ASSY	1
9	966-1872-20	INITIAL ASSY S	1
10	966-1873-20	INITIAL ASSY R	1
11	620-1623-24	CAM GEAR	1

NO.	PART NO.	DESCRIPTION	Q'TY
12	620-1624-24	GEAR COVER	1
13	620-1848-21	UD LINK	1
14	620-1869-20	DS-SHIFT LINK	1
15	621-1811-21	M-GEAR B	1
16	621-0733-21	M-GEAR C	1
17	716-3451-01	SCREW(M1.7x2.5)	2
18	716-1850-01	SCREW(M2.0x2.0)	3
19	716-1851-03	SCREW(M2.0x3.0)	2
20	746-0870-00	WASHER	1
21	746-0768-00	WASHER	2
22	750-6756-21	SW-L-SPRING	1

Drive-CH unit section

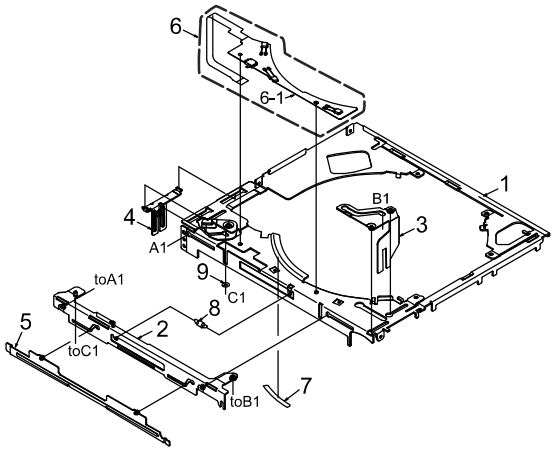


* Do not reuse the following parts.
(No.15,16,17,18,22)

NO.	PART NO.	DESCRIPTION	Q'TY
1	HBS-656-100	N-DRIVE UNIT	1
2	HBS-612-100	LOADING-U-ASSY	1
3	HBS-615-100	LO-MOTOR-S-ASSY	1
4	HBS-614-100	L-SEN-FPC-ASSY	1
4-1	----------	SENSOR-L-FPC	1
5	966-1828-22	DRIVE-CH A-ASSY	1
6	620-1838-21	D-SHIFT LINK A	1
7	620-1837-20	DRIVE CHASSIS B	1
8	620-1836-20	DR-SUPPORT-PL	1
9	622-1743-21	D-SHIFT ROLLER B	1
10	716-3450-00	SCREW(M1.7x2)	2
11	716-3603-00	SCREW(M1.7x5)	1

NO.	PART NO.	DESCRIPTION	Q'TY
12	750-6852-20	DRIVE SPRING A	1
13	620-1831-21	S-PWB PLATE	1
14	750-6754-20	LO-ES-SPRING B	1
15	345-5424-01	SEN-FPC GUIDE	1
16	716-3601-00	SCREW(M1.7x2 sealock)	2
17	743-1500-1B	E-RING	2
18	746-0870-00	WASHER	1
19	621-1807-00	RUBBER PART	1
20	622-1850-20	D-SHIFT ROLLERE	1
21	347-8392-00	FPC WASHER	1
22	716-3451-02	SCREW(M1.7x2.5 sealock)	1
23	345-5868-01	RUBBER PART	1

Upper unit assy section



* Do not reuse the following parts.
(No.6,7,9)

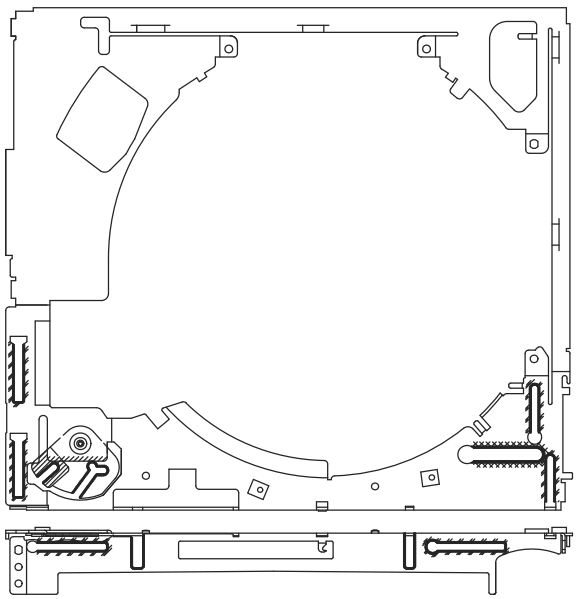
NO.	PART NO.	DESCRIPTION	Q'TY
1	966-1823-21	UPPER-CHA-ASSY	1
2	966-1824-20	LO-SHIFT A ASSY	1
3	966-1791-20	LO-SHIFT B ASSY	1
4	966-1825-20	LO-SHIFT C ASSY	1
5	966-1826-20	SHUTTER ASSY	1
6	HBS-613-100	U-SEN-FPC-ASSY	1
6-1	----------	SENSOR-U-FPC	1
7	347-8216-00	RATTLE SHEET	1
8	750-6850-21	SHUTTER SPRING	1
9	746-0870-00	WASHER	1

[Grease Point]

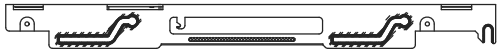
* Grease : SANKOL FG-87HSR

Put grease on the surface	
Put grease on the reverse side	
Put grease on the both sides	
Put grease on the edge	

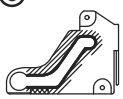
①



②



③



④



⑤



ELECTRICAL PARTS LIST

CD PWB(BM1) section

* The parts of the same reference number are alternative

REF No.	PART No.	DESCRIPTION
C1	168-1052-78	16V 1uF K
C3	168-1042-78	16V 0.1uF K
C4	043-0559-90	6.3V 22uF
C5	168-1032-55	0.01uF K
C6	042-1702-90	6.3V 100uF
C7	168-1052-78	16V 1uF K
C9	168-1052-78	16V 1uF K
C11	168-1052-78	16V 1uF K
C12	042-0671-01	10V 47uF TA
C13	168-1052-78	16V 1uF K
C14	168-1042-78	16V 0.1uF K
C15	168-1052-78	16V 1uF K
C16	043-0559-90	6.3V 22uF
C17	168-1032-55	0.01uF K
C18	168-1052-78	16V 1uF K
C19	043-0559-90	6.3V 22uF
C20	168-1042-78	16V 0.1uF K
C21	168-1032-55	0.01uF K
C23	043-0559-90	6.3V 22uF
C24	043-0559-90	6.3V 22uF
C25	168-4732-78	0.047uF K
C26	166-4711-50	470pF CH
C28	168-4732-78	0.047uF K
C29	166-4711-50	470pF CH
C30	166-1007-50	10pF CH
C31	166-1007-50	10pF CH
C32	168-1042-78	16V 0.1uF K
C33	168-2222-55	2200pF K
C34	168-1042-78	16V 0.1uF K
C35	168-1042-78	16V 0.1uF K
C36	168-1042-78	16V 0.1uF K
C37	168-6822-55	6800pF K
C39	168-1042-78	16V 0.1uF K
C40	168-3332-78	0.033uF K
C41	168-1042-78	16V 0.1uF K
C42	168-1042-78	16V 0.1uF K
C43	168-1042-78	16V 0.1uF K
C45	168-1042-78	16V 0.1uF K
C46	168-1042-78	16V 0.1uF K
C48	168-1042-78	16V 0.1uF K
C49	168-1042-78	16V 0.1uF K
C50	168-1042-78	16V 0.1uF K
C51	168-1042-78	16V 0.1uF K
C52	168-5622-55	5600pF K
C53	168-1042-78	16V 0.1uF K
C54	166-6801-50	68pF CH
C55	168-1532-55	0.015uF K
C56	168-1042-78	16V 0.1uF K
C57	168-1032-55	0.01uF K
C58	168-1042-78	16V 0.1uF K
C59	168-1042-78	16V 0.1uF K
C60	168-1522-55	1500pF K
C61	168-3322-55	3300pF K
C62	168-1032-55	0.01uF K
C64	168-1042-78	16V 0.1uF K
C65	168-1032-55	0.01uF K
C67	168-1032-55	0.01uF K
C69	168-1532-55	0.015uF K
C70	166-4701-50	47pF CH
C71	168-1042-78	16V 0.1uF K
C72	168-1042-78	16V 0.1uF K
C74	166-6097-50	6pF CH
C75	168-1042-78	16V 0.1uF K
C76	168-5622-55	5600pF K
C77	168-1032-55	0.01uF K
C79	166-1501-50	15pF CH
C80	166-1501-50	15pF CH
C81	168-3332-78	0.033uF K
C101	043-0563-90	16V 47uF
CCT1	050-0145-59	1/16W 22 ohm x4
CCT2	050-0145-54	1/16W 47k ohm x4
CCT3	050-0145-54	1/16W 47k ohm x4
CCT4	050-0145-55	1/16W 10k ohm x4
CCT5	050-0140-55	1/32W 2.2k ohmx4J
D1	001-4301-14	HZU 3.0B1
D1	001-0529-14	MA8030-L
D2	001-0367-91	1SS226
D3	001-4301-13	HZU 2.7B2
D3	001-0529-13	MA8027H-TX
D4	001-4301-18	HZU 3.6B1
D4	001-0529-18	MA8036-L
D5	001-2612-90	RB520S-30
D6	001-2612-90	RB520S-30
D7	001-9210-50	AVR-M1608C270MTAAD
D8	001-9210-50	AVR-M1608C270MTAAD
IC2	052-5071-32	TMP91CY22IFG-7BH6
IC3	051-6733-30	TC94A70FG-010
IC4	051-6060-08	BD7961FM-E2
IC5	051-5445-08	BD5227G-TR
IC8	051-9402-78	BR93L56RFVM-W
IC9	051-6072-08	BD7931FE2
IC10	051-5833-00	GP1S093HCZ
IC11	051-3392-90	S-1323B15NB-N8ATFG
J1	074-1237-69	19P
J2	074-1201-65	15P
J3	074-1138-56	6P
J4	074-1100-61	11P
J5	074-1201-61	11P
Q1	060-0252-01	PT4850F
Q2	125-0021-91	DTA114EUA
Q3	198-3018-00	2SK3018
Q4	190-2060-00	2SA2060
Q8	190-2060-00	2SA2060
Q9	125-9026-90	IMF29
Q10	125-2027-91	DTC114EUA
Q11	125-0021-91	DTA114EUA
Q12	125-2027-91	DTC114EUA
Q13	125-9026-90	IMF29
R1	119-6811-15	1/10W 680 ohm
R2	119-6811-15	1/10W 680 ohm
R3	032-0163-91	1/2W 10 ohm
R4	032-0163-91	1/2W 10 ohm
R5	119-2231-15	1/10W 22k ohm
R6	116-1001-15	1/4W 10 ohm
R7	119-1021-15	1/10W 1k ohm
R8	116-1591-15	1/4W 1.5 ohm
R9	119-2231-15	1/10W 22k ohm
R10	119-4711-15	1/10W 470 ohm
R11	119-2211-15	1/10W 220 ohm
R12	119-6811-15	1/10W 680 ohm
R13	119-1011-15	1/10W 100 ohm
R14	119-2231-15	1/10W 22k ohm
R15	119-8231-15	1/10W 82k ohm
R16	119-1041-15	1/10W 100k ohm
R17	119-1041-15	1/10W 100k ohm
R18	119-1041-15	1/10W 100k ohm
R19	119-1041-15	1/10W 100k ohm
R20	119-1041-15	1/10W 100k ohm
R21	119-2221-15	1/10W 2.2k ohm
R22	119-4711-15	1/10W 470 ohm
R23	119-1051-15	1/10W 1M ohm
R24	119-2211-15	1/10W 220 ohm
R25	119-2211-15	1/10W 220 ohm
R26	119-1041-15	1/10W 100k ohm
R28	119-1041-15	1/10W 100k ohm
R29	119-1041-15	1/10W 100k ohm
R30	119-4701-15	1/10W 47 ohm
R31	119-2201-15	1/10W 22 ohm
R33	119-2211-15	1/10W 220 ohm
R35	119-1051-15	1/10W 1M ohm
R36	119-4721-15	1/10W 4.7k ohm
R37	119-4731-15	1/10W 47k ohm
R38	119-2231-15	1/10W 22k ohm
R39	119-1041-15	1/10W 100k ohm
R40	119-4721-15	1/10W 4.7k ohm
R41	119-4731-15	1/10W 47k ohm
R43	119-4731-15	1/10W 47k ohm
R44	119-2201-15	1/10W 22 ohm
R45	119-1511-15	1/10W 150 ohm
R46	119-4721-15	1/10W 4.7k ohm
R48	119-1041-15	1/10W 100k ohm
R49	119-0000-05	1/10W 0 ohm JW
R50	119-2211-15	1/10W 220 ohm
R51	119-0000-05	1/10W 0 ohm JW
R52	119-1041-15	1/10W 100k ohm
R53	119-5621-15	1/10W 5.6k ohm
R55	119-3341-15	1/10W 330k ohm
R56	119-4731-15	1/10W 47k ohm
R57	119-2231-15	1/10W 22k ohm
R58	119-0000-05	1/10W 0 ohm JW
R59	119-1511-15	1/10W 150 ohm
R60	119-4731-15	1/10W 47k ohm
R61	119-1041-15	1/10W 100k ohm
R62	119-1041-15	1/10W 100k ohm
R63	119-1041-15	1/10W 100k ohm
R64	119-1011-15	1/10W 100 ohm
R65	119-1041-15	1/10W 100k ohm
R66	117-5611-15	1/8W 560 ohm
R67	117-7511-15	1/8W 750 ohm
R68	117-7511-15	1/8W 750 ohm
R69	119-1041-15	1/10W 100k ohm
R81	116-1591-15	1/4W 1.5 ohm
R201	119-0000-05	1/10W 0 ohm JW
R212	119-1041-15	1/10W 100k ohm
S1	013-7416-50	SPVL110200
S2	013-7416-50	SPVL110200
S3	013-7412-50	SPVG21
S4	013-7415-50	SPVG110400
X1	061-3534-90	16.92MHz
X3	060-1545-90	20MHz
PWB	039-3026-20	PWB(WITHOUT COMPONENT)

Sensor-L-PFC(BM2) section

REF No.	PART No.	DESCRIPTION
PT1	060-0252-01	PT4850F
PT2	060-0252-01	PT4850F
PT3	051-5833-00	GP1S093HCZ
PWB	039-3003-20	PWB(WITHOUT COMPONENTS)

Sensor-U-PFC(BM3) section

REF No.	PART No.	DESCRIPTION
LED1	001-7077-00	GL4804
LED2	001-7042-00	GL4800
LED3	001-7042-00	GL4800
S5	013-7417-50	ABC1122P161
PWB	039-3004-20	PWB(WITHOUT COMPONENTS)