

Service Manual

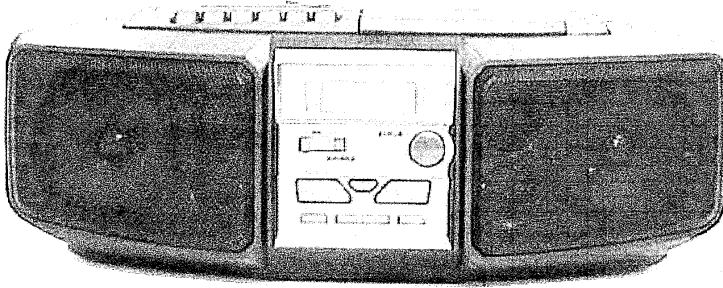
Portable Stereo CD System

RX-DS4

Simplified

MASH*
multi-stage noise shaping

COMPACT
disc
DIGITAL AUDIO



Colour

(K) ... Black Type

Area

Suffix for Model No.	Area	Colour
(EG)	Germany	(K)

* MASH is a trademark of NTT.

TAPE SECTION : SG20 Mechanism Series

CD SECTION : RAE0152Z-M Traverse Deck Series

Please file and use this Service Manual together with the Service Manual for Model No.
RX-DS 5 (E,EB,EG) Order No. MD9811160C2 .

Note : This Simplified Service Manual is provided to indicate the main difference between the original Model No. RX-DS 5 (E,EB,EG) and the subsequent Model No. RX-DS 4 (EG).

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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A MAIN CIRCUIT
(P.C.BOARD ON PAGE 4)

(P.C.BOARD ON PAGE 4)

— : +B line

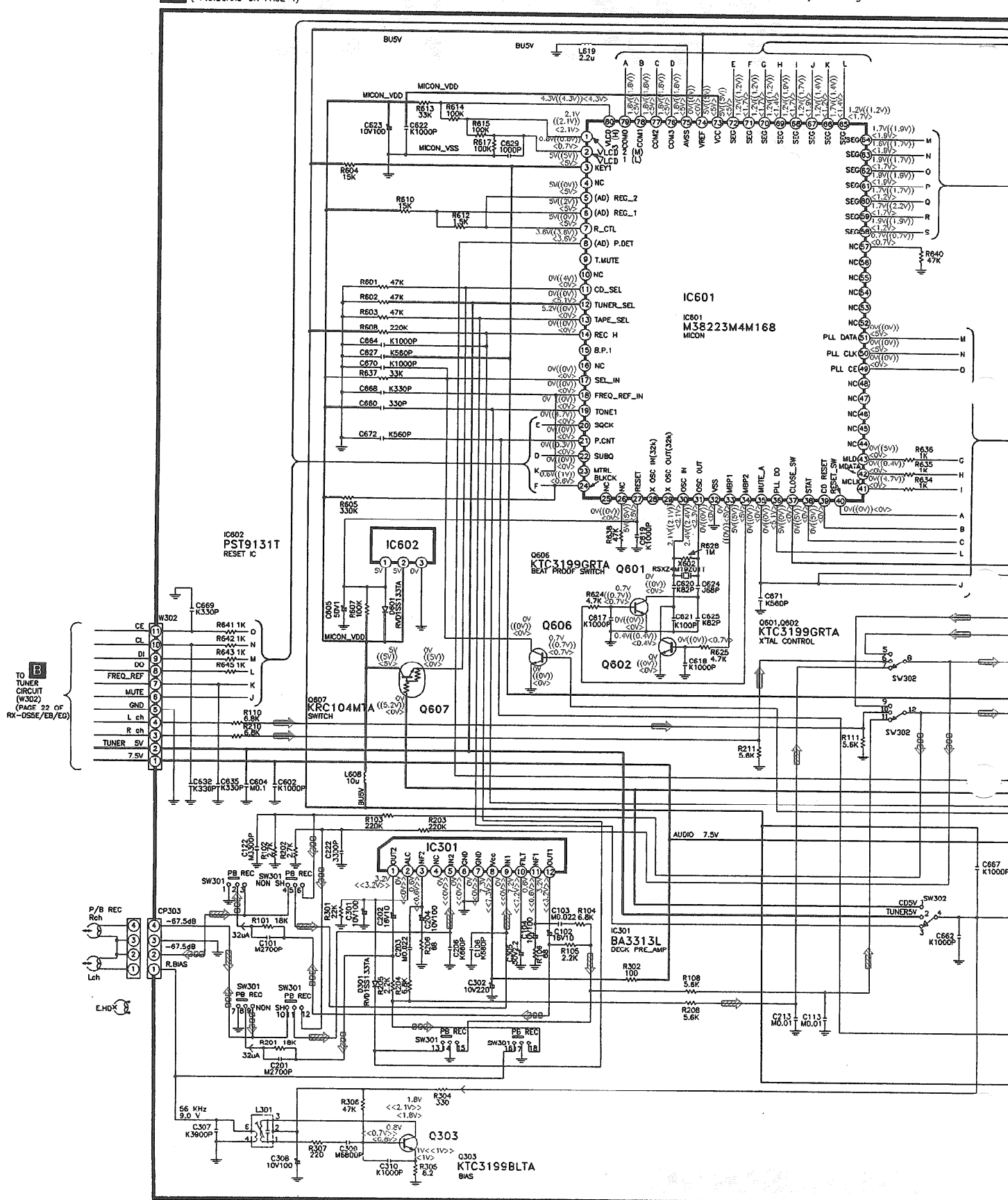
0000 : Record signal line

⇒ : CD signal line

 : Main signal line

⇒ : FM/AM signal line

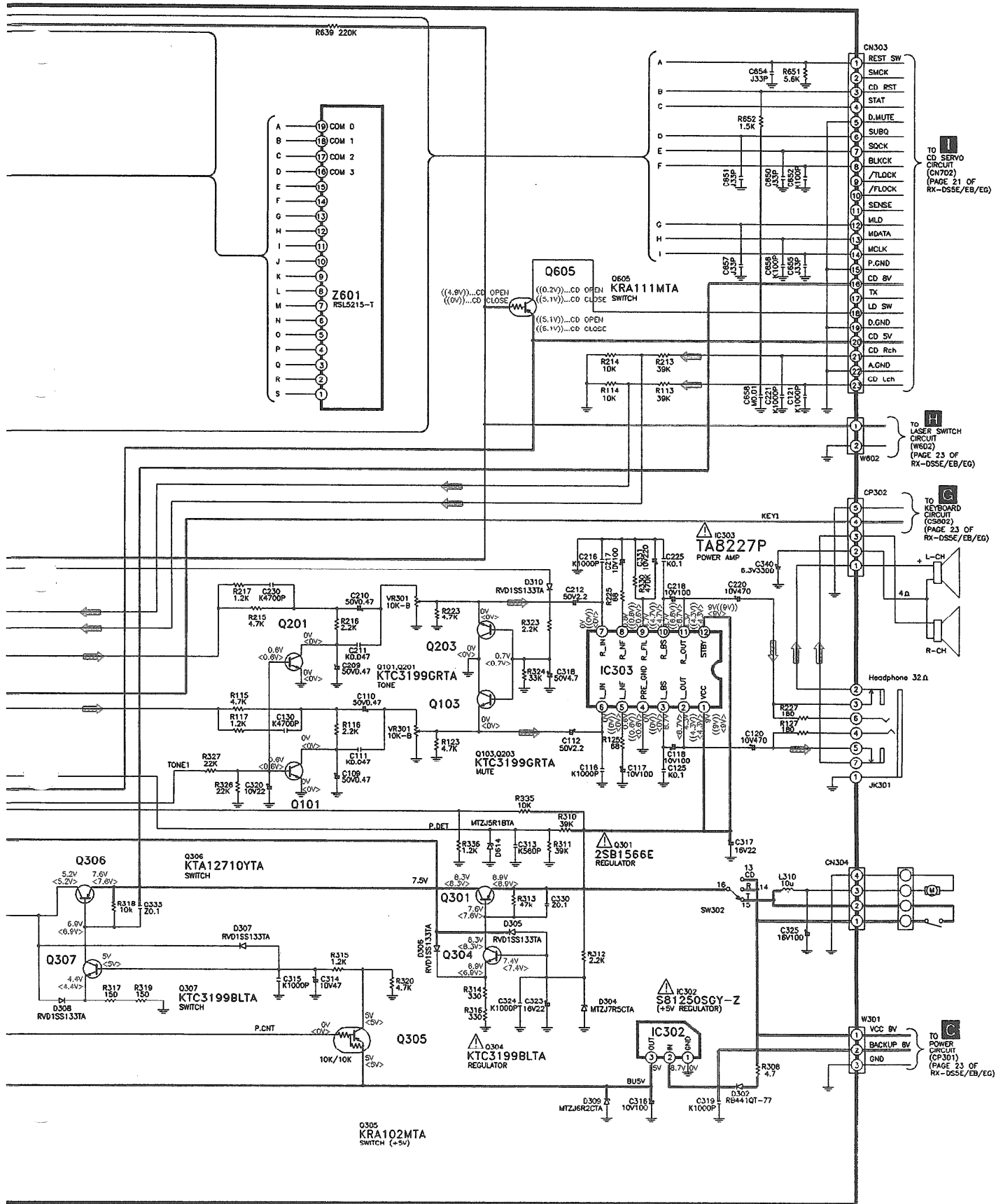
⇒ : Playback signal line



— : +B line

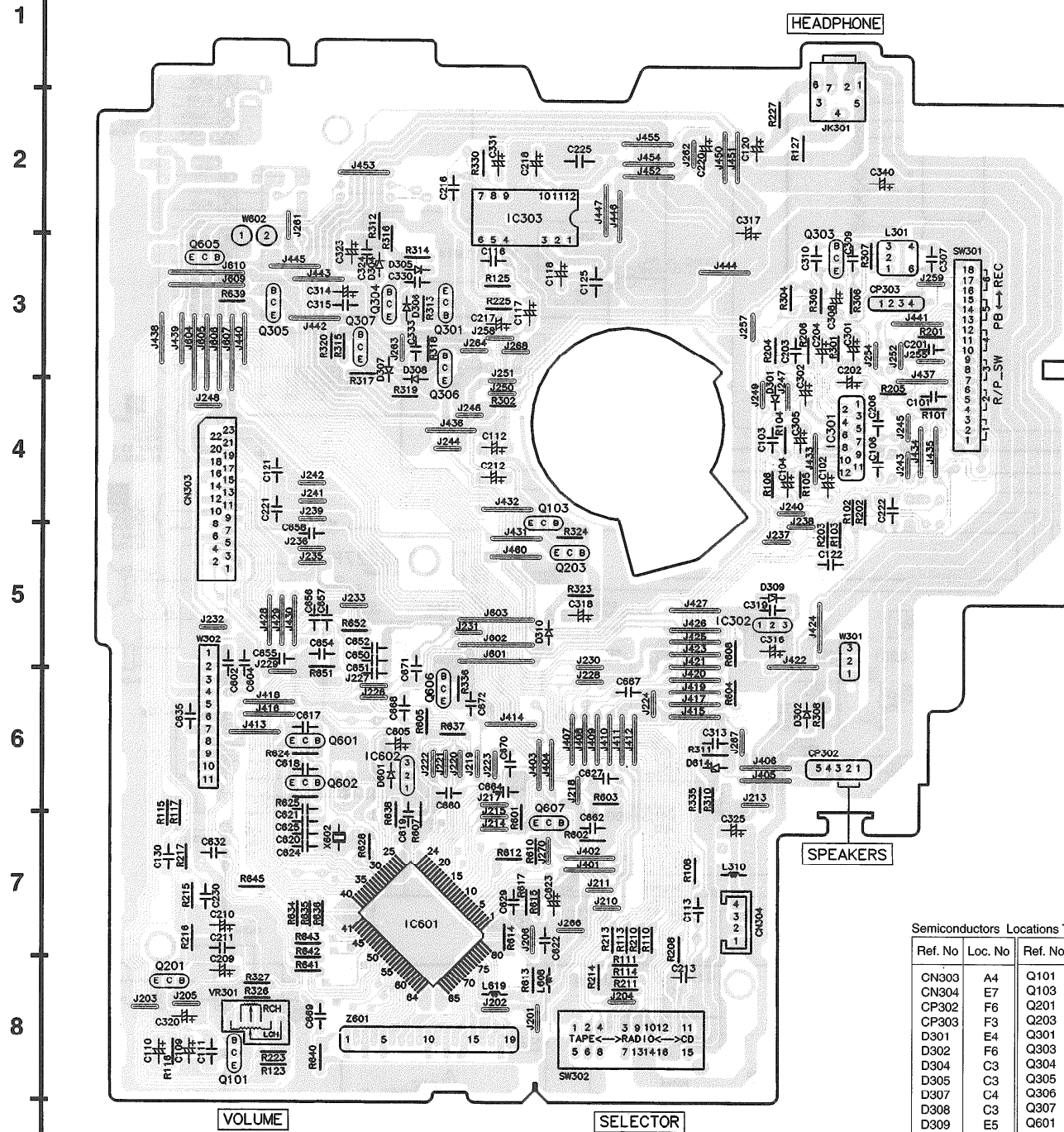
⇒ : Main signal line

⇒ : CD signal line



Printed Circuit Board


A MAIN P.C.B. (REPX0167E)



Semiconductors		Locations Table	
Ref. No	Loc. No	Ref. No	Loc. No
CN303	A4	Q101	B9
CN304	E7	Q103	D5
CP302	F6	Q201	A8
CP303	F3	Q203	D5
D301	E4	Q301	C3
D302	F6	Q303	F3
D304	C3	Q304	C3
D305	C3	Q305	B3
D307	C4	Q306	C4
D308	C3	Q307	B3
D309	E5	Q601	B6
D310	D5	Q602	B6
D601	C7	Q605	A3
D614	F6	Q606	C6
IC301	F4	Q607	D7
IC302	G5	SW301	G3
IC303	D3	SW302	D8
IC601	C7	VR301	B8
IC602	D6	W301	F5
JK301	F2	W302	A6
L301	F3	W602	B3
L310	E7	X602	B7
L608	D8	Z601	C8
L619	C8		

■ Replacement Parts List

Notes: * Important safety notice :

Components identified by  mark have special characteristics important for safety.

Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

* The parenthesized in the Remarks columns specify the areas. (Refer to the cover page for area.)









Parts without these indication can be used for all areas.

* [M] in Remarks column indicates parts that are supplied by MESA.

* **Warning** : This product uses a laser diode. Refer to caution statement on page 3.

* **ACHTUNG** : • Die lasereinheit nicht zerlegen.

• Die lasereinheit darf nur gegen eine vom hersteller spezifizierte einheit ausgetauscht werden.

Ref No.	Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks
		CABINET AND CHASSIS		40	XTV26+10G	SCREW (ORNAMENT)	[M]	Q305	KRA102MTA	TRANSISTOR	[M]
1	REEX0051	CD FFC WIRE	[M]	41	XTV3+10G	SCREW (SPEAKER)	[M]	Q306	KTA12710YTA	TRANSISTOR	[M]
2	REX0835Y	MOTOR + LEAF SW. WIR	[M]	42	XTV3+12G	SCREW (POWER PCB 3 /	[M]	Q307	KTC3199BLTA	TRANSISTOR	[M]
3	REX0836	TAPE HEAD WIRE	[M]	43	XTV3+20G	SCREW (BACK CAB)	[M]	Q601	KTC3199GRTA	TRANSISTOR	[M]
4	RAS10P10-G	SPEAKER	[M]	44	XTWS3+8T	SCREW (MECHA BUTTON	[M]	Q602	KTC3199GRTA	TRANSISTOR	[M]
6	RFKNXDS4EGK	LCD PANEL ASS'Y	[M]	45	XYN3+F15FY	SCREW (ROD. ANT)	[M]	Q605	KRA111MTA	TRANSISTOR	[M]
6-1	RKWX0128A-Q	LCD PANEL	[M]			TRAVERSE DECK		Q606	KTC3199GRTA	TRANSISTOR	[M]
6-2	RKGX0033B-S	ORNAMENT	[M]					Q607	KRC104MTA	TRANSISTOR	[M]
7	RFKXDS5-K	FRONT CAB. ASS'Y	[M]	358	RAE0152Z-M	TRAVERSE	[M]	Q701	2SA1037AKSTX	TRANSISTOR	[M]
8	RFKHDS4EGK	BACK CAB. ASS'Y	[M]	358-1	SHGD113-1	FLOATING CUSHION	[M]	Q702	DTC114YKA146	TRANSISTOR	[M]
8-1	RJC91006-1	BATT. TERMINAL	[M]	358-2	SNSD38	TRV MOTOR ASS'Y SCRE	[M]				
9	RGUX0295-K	CD BUTTON	[M]	359	RME0109	FLOATING SPRING B	[M]			DIODES	
10	RFKLXDS5-K	CASS LID ASS'Y	[M]	360	RME0142	FLOATING SPRING A	[M]	D1	KV1520ATS2	DIODE	[M]
11	RDG0288	DAMPER GEAR	[M]	361	RMR0698-K	TRY CHASSIS	[M]	D2	KV1360NTM	DIODE	[M]
12	RFKNXDT37-K	CD CLAMPER ASS'Y	[M]	362	RMS0123-1	FIXED PIN B	[M]	D3	KV1360NTM	DIODE	[M]
13	RGKX0034-K	CD LID	[M]	363	XTN2+6G	PCB SCREW	[M]	D301	RVD1SS133TA	DIODE	[M]
14	RGUX0296B-H	OPERATION BUTTON	[M]	364	RMS0350	FIXED PIN A	[M]	D302	RB441QT-77	DIODE	[M]
15	RGZX0033-K	MECHA BUTTON (1 SET)	[M]			INTEGRATED CIRCUITS		D304	MTZJ7R5CTA	DIODE	[M]
16	RKHX0010-K	HANDLE	[M]					D305	RVD1SS133TA	DIODE	[M]
17	RKK318ZC-0	BATTERY COVER	[M]	IC1	TA2008AN	IC, TUNER	[M]	D306	RVD1SS133TA	DIODE	[M]
18	RKQX0009A-K	TOP CAB	[M]	IC2	LC72131D	IC, PLL	[M]	D307	RVD1SS133TA	DIODE	[M]
19	RGWX0043-H	VOLUME KNOB	[M]	IC301	BA3313L	IC, DECK PRE AMP	[M]	D308	RVD1SS133TA	DIODE	[M]
20	RME0228	CD OPEN SPRING	[M]	IC302	S81250SGY-Z	IC, 5V REGULATOR	[M] 	D309	MTZJ6R2CTA	DIODE	[M]
21	RMB0509	SPRING (CD BUTTON)	[M]	IC303	TA8227P	IC, POWER AMP	[M] 	D310	RVD1SS133TA	DIODE	[M]
23	RME0229	CASSETTE OPEN SPRING	[M]	IC601	M38223M4M168	IC, MICON	[M]	D501	RL1N4003S-P	DIODE	[M] 
24	RGVX0019-H	FUNCTION KNOB	[M]	IC602	PST9131T	IC, RESET	[M]	D502	RL1N4003S-P	DIODE	[M] 
25	RMV0205	HEATSINK	[M]	IC701	AN8837SBE1	IC, HEAD AMP	[M]	D503	RL1N4003S-P	DIODE	[M] 
28	RMEX0007	ANTENNA TERMINAL	[M]	IC702	MN662746RPK1	IC, LSI	[M]	D504	RL1N4003S-P	DIODE	[M] 
29	RMXX0004	MECHA SPACER	[M]	IC703	AN8780NSBE2	IC	[M]	D505	RVD1SS133TA	DIODE	[M]
30	RMNX0022	LCD HOLDER	[M]			TRANSISTORS		D601	RVD1SS133TA	DIODE	[M]
31	RMA1007	SHIELD PLATE	[M]					D614	MTZJ5R1BTA	DIODE	[M]
32	RMCX0016	RECORD SPRING	[M]	Q1	KTC3199GRTA	TRANSISTOR	[M]			VARIABLE RESISTORS	
33	RWJ0205430DX	SPEAKER WIRE	[M]	Q101	KTC3199GRTA	TRANSISTOR	[M]	VR301	RRV12B01B14B	VR, VOLUME	[M]
34	SUX102	MECHA BUTTON SHAFT	[M]	Q103	KTC3199GRTA	TRANSISTOR	[M]			SWITCHES	
35	XEARR210CA-C	ROD ANTENNA	[M]	Q201	KTC3199GRTA	TRANSISTOR	[M]	S701	RSH1A043-U	SW, REST	[M]
36	RMQ0152-E	FIXTURE	[M]	Q203	KTC3199GRTA	TRANSISTOR	[M]	SW301	RSS2F001-B	SW, RECORD	[M]
37	RHM0001	MAGNET	[M]	Q301	2SB1566E	TRANSISTOR	[M] 	SW302	RSS3D002-B	SW, FUNCTION	[M]
38	XTN2+3F	SCREW (REC SPRING)	[M]	Q303	KTC3199BLTA	TRANSISTOR	[M]				
39	XTN3+12GFZ	SCREW (TOP CAB)	[M]	Q304	KTC3199BLTA	TRANSISTOR	[M] 				

Ref No.	Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks
SW501	RJJ1SE01-X	SW, AC INLET (JK501)	[M] ⚠	L8	RLQY30S1W-F	FM COIL	[M]	FP501	RSFMB20KT-L	FUSE PROTECTOR	[M] ⚠
SW602	RSH1A033-U	SW, CD LEAF	[M]	L301	RL09B17-T	BIAS COIL	[M]				
SW801	EVQPAD05R	SW, REW SKIP	[M]	L310	RLQZB100KT-D	INDUCTOR	[M]			HOLDERS	
SW802	EVQPAD05R	SW, FWD SKIP	[M]	L501	RL500050T-Y	INDUCTOR COIL	[M] ⚠	H302	RJS1A5511	WIRE HOLDER	[M]
SW803	EVQPAD05R	SW, FM MODE/STOP/CLR	[M]	L502	RL500050T-Y	INDUCTOR COIL	[M] ⚠				
SW804	EVQPAD05R	SW, BAND/CD PLAY/PAU	[M]	L608	RLQZP100KT-Y	INDUCTOR	[M]			JACKS	
SW805	EVQPAD05R	SW, PLAY/TUNE MODE	[M]	L619	RLQZP2R2KT-Y	INDUCTOR	[M]	JK301	RJJ37TK01-1C	JK, HEADPHONE	[M]
SW806	EVQPAD05R	SW, MEMORY PROGRAM	[M]	T1	RL2B015-T	AM IFT	[M]	JK501	RJJ1SE01-X	JK, AC INLET	[M] ⚠
SW807	EVQPAD05R	SW, TONE	[M]	T501	RTP1K1B007-X	TRANSFORMER	[M] ⚠				
										WIRES	
		CONNECTORS				COMPONENT COMBINATION		W301	REXX0197	MAIN TO POWER WIRE	[M]
CN303	RJS1A6823-J	FFC CONN (CD)	[M]	Z601	RSL5215-T	LCD	[M]	W302	RWJ0111210QS	MAIN TO TUNER WIRE	[M]
CN304	RJT029W04V	4P CONN (LEAF SW)	[M]					W501	RWJ0103190SS	BATTERY WIRE	[M]
CN701	RJS2A6016	16P FFC CONNECTOR	[M]			CERAMIC FILTERS		W602	RWJ7102210KK	CD LEAF SW WIRE	[M]
CN702	RJS1A6723-1Q	23P FFC CONNECTOR	[M]	CF1	RLFFETNL02AL	FM CERAMIC FILTER	[M]				
CP301	RJP3G9YA	3P CONN (POWER-MAIN)	[M]	CF3	RLFDFT20AL	FM DISCRIMINATOR	[M]			PACKING MATERIALS	
CP302	RJS5T7ZA	SPEAKER CONNECTOR	[M]	CF4	RLFCFA459L4B	AM FILTER	[M]	P1	RPGX0566	PACKING CASE	[M]
CP303	RJP4G18ZA	4P CONN (TAPE HEAD)	[M]					P2	RPNX0089	POLYFOAM	[M]
						OSCILLATORS		P3	RPH0131	MIRAMAT SHEET	[M]
		TRIMMER		X2	RSXZ456KM01	CRYSTAL	[M]	P4	RPNX0092	CENTER POLYFOAM	[M]
CT1	ECRLA010A53R	TRIMMER CAPACITOR	[M]	X3	RSXD7M20C01	CRYSTAL	[M]			ACCESSORIES	
				X602	RSXZ4M19Z01T	MICON CRYSTAL	[M]	A1	RJA0019-2K	AC CORD (SF)	[M]
		COILS & TRANSFORMERS		X701	RSXZ16M9M01T	CERAMIC OSC	[M]	A2	RQT4791-D	O/I BOOK (Ge)	[M]
L2	RLQY30S1W-F	FM COIL	[M]			FUSES & FUSE HOLDERS					
L3	RLV2C041-0	FERRITE ANTENNA	[M]	F501	XBA2C12TB0L	FUSE	[M] ⚠				
L4	RLD4Y45-F	FM COIL	[M]	FH501	RJF0028	FUSECLIP	[M]				
L6	RL02B131-T	AM OSC COIL	[M]	FH502	RJF0028	FUSECLIP	[M]				
L7	RLQZP101KT-Y	INDUCTOR	[M]								

Resistors & Capacitors

Notes :

- Important safety notice:
Components identified by ⚠ mark have special characteristics important for safety.
Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.
When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.
- The parenthesized in the Remarks columns specify the areas. (Refer to the cover page for area.)
Parts without these indication can be used for all areas.
- [M] in Remarks column indicates parts that are supplied by MESA.
- Capacitor values are in microfarad (μF) unless specified otherwise, P=Pico-farads (pF) F=Farads (F)
- Resistors values are in ohms, unless specified otherwise, 1k=1,000(OHM), 1M=1,000k(OHM)

Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks
	RESISTORS										
R2	ERDS2TJ103T	10K 1/4W [M]	R11	ERDS2TJ223T	22K 1/4W [M]	R23	ERDS2TJ223T	22K 1/4W [M]	R32	ERDS2TJ331T	330 1/4W [M]
R3	ERDS2TJ332T	3.3K 1/4W [M]	R12	ERDS2TJ103T	10K 1/4W [M]	R24	ERDS2TJ103T	10K 1/4W [M]	R50	ERDS2TJ104T	100K 1/4W [M]
R4	ERDS2TJ472T	4.7K 1/4W [M]	R13	ERDS2TJ474T	470K 1/4W [M]	R25	ERDS2TJ223T	22K 1/4W [M]	R51	ERDS2TJ103T	10K 1/4W [M]
R5	ERDS2TJ221T	220 1/4W [M]	R14	ERDS2TJ474T	470K 1/4W [M]	R26	ERDS2TJ103T	10K 1/4W [M]	R91	ERDS2TJ330T	33 1/4W [M]
R6	ERDS2TJ104T	100K 1/4W [M]	R16	ERDS2TJ104T	100K 1/4W [M]	R27	ERDS2TJ332T	3.3K 1/4W [M]	R92	ERDS2TJ472T	4.7K 1/4W [M]
R8	ERDS2TJ104T	100K 1/4W [M]	R17	ERDS2TJ222T	2.2K 1/4W [M]	R28	ERDS2TJ223T	22K 1/4W [M]	R101	ERDS2TJ183T	18K 1/4W [M]
R9	ERDS2TJ104T	100K 1/4W [M]	R20	ERDS2TJ223T	22K 1/4W [M]	R29	ERDS2TJ103T	10K 1/4W [M]	R102	ERDS2TJ272T	2.7K 1/4W [M]
			R21	ERDS2TJ472T	4.7K 1/4W [M]	R30	ERDS2TJ472T	4.7K 1/4W [M]	R103	ERDS2TJ224T	220K 1/4W [M]
			R22	ERDS2TJ102T	1K 1/4W [M]	R31	ERDS2TJ222T	2.2K 1/4W [M]	R104	ERDS2TJ682T	6.8K 1/4W [M]

Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks
R105	ERDS2TJ222T	2.2K 1/4W [M]	R323	ERDS2TJ222T	2.2K 1/4W [M]	R717	ERJ6GEYJ102A	1K 1/10W [M]	C15	ECFR1C683MR	0.068 16V [M]
R106	ERDS2TJ680T	68 1/4W [M]	R324	ERDS2TJ333T	33K 1/4W [M]	R718	ERJ6GEYJ102A	1K 1/10W [M]	C16	ECFR1C823MR	0.082 16V [M]
R108	ERDS2TJ562T	5.6K 1/4W [M]	R326	ERDS2TJ223T	22K 1/4W [M]	R719	ERJ6GEYJ102A	1K 1/10W [M]	C17	ECFR1C823MR	0.082 16V [M]
R110	ERDS2TJ682T	6.8K 1/4W [M]	R327	ERDS2TJ223T	22K 1/4W [M]	R720	ERJ6GEYJ102A	1K 1/10W [M]	C18	ECFR1C333MR	0.033 16V [M]
R111	ERDS2TJ562T	5.6K 1/4W [M]	R330	ERDS2TJ474T	470K 1/4W [M]	R721	ERJ6GEYJ101A	100 1/10W [M]	C19	ECFR1C333MR	0.033 16V [M]
R113	ERDS2TJ393T	39K 1/4W [M]	R335	ERDS2TJ103T	10K 1/4W [M]	R723	ERJ6GEYJ272A	2.7K 1/10W [M]	C20	ECEA1HU010B	1 50V [M]
R114	ERDS2TJ103T	10K 1/4W [M]	R336	ERDS2TJ122T	1.2K 1/4W [M]	R724	ERJ6GEYJ333A	33K 1/10W [M]	C21	ECEA1HU010B	1 50V [M]
R115	ERDS2TJ472T	4.7K 1/4W [M]	R601	ERDS2TJ473T	47K 1/4W [M]	R725	ERJ6GEYJ122A	1.2K 1/10W [M]	C22	ECEA1HU4R7B	4.7 50V [M]
R116	ERDS2TJ222T	2.2K 1/4W [M]	R602	ERDS2TJ473T	47K 1/4W [M]	R727	ERJ6GEYJ682A	6.8K 1/10W [M]	C23	ECFR1C333MR	0.033 16V [M]
R117	ERDS2TJ122T	1.2K 1/4W [M]	R603	ERDS2TJ473T	47K 1/4W [M]	R728	ERJ6GEYJ682A	6.8K 1/10W [M]	C24	ECFR1C333MR	0.033 16V [M]
R123	ERDS2TJ472T	4.7K 1/4W [M]	R604	ERDS2TJ153T	15K 1/4W [M]	R729	ERJ6GEYJ562A	5.6K 1/10W [M]	C30	ECBT1H331KB5	330P 50V [M]
R125	ERDS2TJ680T	68 1/4W [M]	R605	ERDS2TJ334T	330K 1/4W [M]	R731	ERJ6GEYJ123A	12K 1/10W [M]	C31	ECBT1C103MS5	0.01 16V [M]
R127	ERDS2TJ181T	180 1/4W [M]	R607	ERDS2TJ104T	100K 1/4W [M]	R734	ERJ6GEYJ101A	100 1/10W [M]	C32	ECBT1H102KB5	1000P 50V [M]
R201	ERDS2TJ183T	18K 1/4W [M]	R608	ERDS2TJ224T	220K 1/4W [M]	R735	ERJ6GEYJ101A	100 1/10W [M]	C33	ECBT1H102KB5	1000P 50V [M]
R202	ERDS2TJ272T	2.7K 1/4W [M]	R610	ERDS2TJ153T	15K 1/4W [M]	R736	ERJ6GEYJ101A	100 1/10W [M]	C34	ECBT1H102KB5	1000P 50V [M]
R203	ERDS2TJ224T	220K 1/4W [M]	R612	ERDS2TJ152T	1.5K 1/4W [M]	R738	ERJ6GEYJ223A	22K 1/10W [M]	C35	ECEA1AU101B	100 10V [M]
R204	ERDS2TJ682T	6.8K 1/4W [M]	R613	ERDS2TJ333T	33K 1/4W [M]	R741	ERJ6GEYJ562A	5.6K 1/10W [M]	C36	ECEA1AU101B	100 10V [M]
R205	ERDS2TJ222T	2.2K 1/4W [M]	R614	ERDS2TJ104T	100K 1/4W [M]	R742	ERJ6GEYJ562A	5.6K 1/10W [M]	C37	ECBT1C103MS5	0.01 16V [M]
R206	ERDS2TJ680T	68 1/4W [M]	R615	ERDS2TJ104T	100K 1/4W [M]	R743	ERJ6GEYJ562A	5.6K 1/10W [M]	C39	ECBT1H120JC5	12P 50V [M]
R208	ERDS2TJ562T	5.6K 1/4W [M]	R617	ERDS2TJ104T	100K 1/4W [M]	R744	ERJ6GEYJ104A	100K 1/10W [M]	C40	ECBT1C222MR5	2200P 16V [M]
R210	ERDS2TJ682T	6.8K 1/4W [M]	R624	ERDS2TJ472T	4.7K 1/4W [M]	R745	ERJ6GEYJ155A	1.5M 1/10W [M]	C42	ECBT1H180JC5	18P 50V [M]
R211	ERDS2TJ562T	5.6K 1/4W [M]	R625	ERDS2TJ472T	4.7K 1/4W [M]	R748	ERJ6GEYJ272A	2.7K 1/10W [M]	C43	ECBT1H101KB5	100P 50V [M]
R213	ERDS2TJ393T	39K 1/4W [M]	R628	ERDS2TJ105T	1M 1/4W [M]	R749	ERJ6GEYJ682A	6.8K 1/10W [M]	C44	ECEA1HU2R2B	2.2 50V [M]
R214	ERDS2TJ103T	10K 1/4W [M]	R634	ERDS2TJ102T	1K 1/4W [M]	R752	ERJ8GEYJ220A	22 1/8W [M]	C45	ECBT1H102KB5	1000P 50V [M]
R215	ERDS2TJ472T	4.7K 1/4W [M]	R635	ERDS2TJ102T	1K 1/4W [M]	R770	ERJ6GEYJ224A	220K 1/10W [M]	C48	ECEA1HU010B	1 50V [M]
R216	ERDS2TJ222T	2.2K 1/4W [M]	R636	ERDS2TJ102T	1K 1/4W [M]	R801	ERDS2TJ101T	100 1/4W [M]	C49	ECBT1H102KB5	1000P 50V [M]
R217	ERDS2TJ122T	1.2K 1/4W [M]	R637	ERDS2TJ333T	33K 1/4W [M]	R802	ERDS2TJ152T	1.5K 1/4W [M]	C50	ECBT1H102KB5	1000P 50V [M]
R223	ERDS2TJ472T	4.7K 1/4W [M]	R638	ERDS2TJ473T	47K 1/4W [M]	R803	ERDS2TJ222T	2.2K 1/4W [M]	C51	ECEA1HU010B	1 50V [M]
R225	ERDS2TJ680T	68 1/4W [M]	R639	ERDS2TJ224T	220K 1/4W [M]	R804	ERDS2TJ272T	2.7K 1/4W [M]	C53	ECBT1H102KB5	1000P 50V [M]
R227	ERDS2TJ181T	180 1/4W [M]	R640	ERDS2TJ473T	47K 1/4W [M]	R805	ERDS2TJ392T	3.9K 1/4W [M]	C54	ECBT1H102KB5	1000P 50V [M]
R301	ERDS2TJ223T	22K 1/4W [M]	R641	ERDS2TJ102T	1K 1/4W [M]	R806	ERDS2TJ562T	5.6K 1/4W [M]	C60	ECBT1H102KB5	1000P 50V [M]
R302	ERDS2TJ101T	100 1/4W [M]	R642	ERDS2TJ102T	1K 1/4W [M]	R807	ERDS2TJ822T	8.2K 1/4W [M]	C91	ECEA1HU2R2B	2.2 50V [M]
R304	ERDS2TJ331T	330 1/4W [M]	R643	ERDS2TJ102T	1K 1/4W [M]				C92	ECBT1H331KB5	330P 50V [M]
R305	ERDS2TJ8R2T	8.2 1/4W [M]	R645	ERDS2TJ102T	1K 1/4W [M]		CAPACITORS		C98	ECBT1H331KB5	330P 50V [M]
R306	ERDS2TJ473T	47K 1/4W [M]	R651	ERDS2TJ562T	5.6K 1/4W [M]				C99	ECBT1H102KB5	1000P 50V [M]
R307	ERDS2TJ221T	220 1/4W [M]	R652	ERDS2TJ152T	1.5K 1/4W [M]	C1	ECBT1H470J5	47P 50V [M]	C101	ECBT1C272MR5	2700P 16V [M]
R308	ERD2FCVJ4R7T	4.7 1/4W [M]	R701	ERJ6GEYJ4R7A	4.7 1/10W [M]	C2	ECBT1H100JC5	10P 50V [M]	C102	ECEA1CU100B	10 16V [M]
R310	ERDS2TJ393T	39K 1/4W [M]	R702	ERJ6GEYJ822A	8.2K 1/10W [M]	C3	ECFR1C223KR	0.022 16V [M]	C103	ECBT0J223MS5	0.022 6.3V [M]
R311	ERDS2TJ393T	39K 1/4W [M]	R704	ERJ6GEYJ102A	1K 1/10W [M]	C4	ECBT1H102KB5	1000P 50V [M]	C104	ECEA1AU101B	100 10V [M]
R312	ERDS2TJ222T	2.2K 1/4W [M]	R705	ERJ6GEYJ124A	120K 1/10W [M]	C5	ECBT1H5R6KC5	5.6P 50V [M]	C106	ECBT1H681KB5	680P 50V [M]
R313	ERDS2TJ473T	47K 1/4W [M]	R706	ERJ6GEYJ102A	1K 1/10W [M]	C6	ECBT1H102KB5	1000P 50V [M]	C109	ECEA1HUR47B	0.47 50V [M]
R314	ERDS2TJ331T	330 1/4W [M]	R707	ERJ6GEYJ474A	470K 1/10W [M]	C7	ECBT1H120JC5	12P 50V [M]	C110	ECEA1HUR47B	0.47 50V [M]
R315	ERDS2TJ122T	1.2K 1/4W [M]	R708	ERJ6GEYJ154A	150K 1/10W [M]	C8	ECBT1H102KB5	1000P 50V [M]	C111	ECFR1C473MR	0.047 16V [M]
R316	ERDS2TJ331T	330 1/4W [M]	R709	ERJ6GEYJ473A	47K 1/10W [M]	C9	ECBT1H102KB5	1000P 50V [M]	C112	ECEA1HU2R2B	2.2 50V [M]
R317	ERDS2TJ151T	150 1/4W [M]	R710	ERJ6GEYJ103A	10K 1/10W [M]	C10	ECBT1H100JC5	10P 50V [M]	C113	ECBT1C103MS5	0.01 16V [M]
R318	ERDS2TJ103T	10K 1/4W [M]	R711	ERJ6GEYJ154A	150K 1/10W [M]	C12	ECBT1H331KB5	330P 50V [M]	C116	ECBT1H102KB5	1000P 50V [M]
R319	ERDS2TJ151T	150 1/4W [M]	R712	ERJ6GEYJ221A	220 1/10W [M]	C13	ECEA1CU100B	10 16V [M]	C117	ECEA1AU101B	100 10V [M]
R320	ERDS2TJ472T	4.7K 1/4W [M]	R715	ERJ6GEYJ122A	1.2K 1/10W [M]	C14	ECBT1H102KB5	1000P 50V [M]	C118	ECEA1AU101B	100 10V [M]

Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks
C120	ECEA1AU471B	470 10V [M]	C504	ECKR1H103ZF5	0.01 50V [M]	C718	ECUZ1C224KBN	0.22 16V [M]	RJ724	ERJ6GEY0R00A	0 1/10W [M]
C121	ECBT1H102KB5	1000P 50V [M]	C602	ECBT1H102KB5	1000P 50V [M]	C721	ECUZ1H150JCN	15P 50V [M]	RJ725	ERJ6GEY0R00A	0 1/10W [M]
C122	ECBT1C332MR5	3300P 16V [M]	C604	ECFR1C104MR	0.1 16V [M]	C722	ECUZ1H150JCN	15P 50V [M]	RJ726	ERJ6GEY0R00A	0 1/10W [M]
C125	RCQB2A104KM	0.1 100V [M]	C605	ECEA1HU010B	1 50V [M]	C723	ECEA1AKA221I	220 10V [M]	RJ727	ERJ6GEY0R00A	0 1/10W [M]
C130	ECBT1C472KR5	4700P 16V [M]	C617	ECBT1H102KB5	1000P 50V [M]	C724	ECUZ1E104MBN	0.1 25V [M]	RJ728	ERJ6GEY0R00A	0 1/10W [M]
C201	ECBT1C272MR5	2700P 16V [M]	C618	ECBT1H102KB5	1000P 50V [M]	C725	ECUZ1H102KBN	1000P 50V [M]	RJ750	ERJ6GEY0R00A	0 1/10W [M]
C202	ECEA1CU100B	10 16V [M]	C619	ECBT1H102KB5	1000P 50V [M]	C726	ECUZ1H102KBN	1000P 50V [M]			
C203	ECBT0J223MS5	0.022 6.3V [M]	C620	ECBT1H820KB5	82P 50V [M]	C727	ECA1HAK010XI	1 50V [M]		TEST JUMPERS	
C204	ECEA1AU101B	100 10V [M]	C621	ECBT1H101KB5	100P 50V [M]	C728	ECA1HAK010XI	1 50V [M]			
C206	ECBT1H681KB5	680P 50V [M]	C622	ECBT1H102KB5	1000P 50V [M]	C730	ECUZ1E104ZFN	0.1 25V [M]	TJ701	EYF8CU	TEST JUMPER [M]
C209	ECEA1HUR47B	0.47 50V [M]	C623	ECEA1AU101B	100 10V [M]	C731	ECEA0JKA221I	220 6.3V [M]			
C210	ECEA1HUR47B	0.47 50V [M]	C624	ECBT1H680J5	68P 50V [M]	C732	ECEA0JKA221I	220 6.3V [M]			
C211	ECFR1C473MR	0.047 16V [M]	C625	ECBT1H820KB5	82P 50V [M]	C733	ECUZ1E104MBN	0.1 25V [M]			
C212	ECEA1HU2R2B	2.2 50V [M]	C627	ECBT1H561KB5	560P 50V [M]	C734	ECEA1AKA221I	220 10V [M]			
C213	ECBT1C103MS5	0.01 16V [M]	C629	ECBT1H102KB5	1000P 50V [M]	C735	ECUZ1E104ZFN	0.1 25V [M]			
C216	ECBT1H102KB5	1000P 50V [M]	C632	ECBT1H331KB5	330P 50V [M]	C736	ECUZ1E104ZFN	0.1 25V [M]			
C217	ECEA1AU101B	100 10V [M]	C635	ECBT1H331KB5	330P 50V [M]	C737	ECUZ1E104ZFN	0.1 25V [M]			
C218	ECEA1AU101B	100 10V [M]	C650	ECBT1H330J5	33P 50V [M]	C738	ECUZ1E104MBN	0.1 25V [M]			
C220	ECEA1AU471B	470 10V [M]	C651	ECBT1H330J5	33P 50V [M]	C739	ECUZ1H103KBN	0.01 50V [M]			
C221	ECBT1H102KB5	1000P 50V [M]	C652	ECBT1H101KB5	100P 50V [M]	C742	ECUZ1E273KBN	0.027 25V [M]			
C222	ECBT1C332MR5	3300P 16V [M]	C654	ECBT1H330J5	33P 50V [M]	C743	ECUZ1E104ZFN	0.1 25V [M]			
C225	RCQB2A104KM	0.1 100V [M]	C655	ECBT1H330J5	33P 50V [M]	C744	ECUZ1E123KBN	0.012 25V [M]			
C230	ECBT1C472KR5	4700P 16V [M]	C656	ECBT1H101KB5	100P 50V [M]	C745	ECUZ1C473KBN	0.047 16V [M]			
C301	ECEA1AU101B	100 10V [M]	C657	ECBT1H330J5	33P 50V [M]	C747	ECUV1H221KBN	220P 50V [M]			
C302	ECEA1AU221B	220 10V [M]	C658	ECBT1C103MS5	0.01 16V [M]	C749	ECUZ1H222KBN	2200P 50V [M]			
C305	ECEA1HU2R2B	2.2 50V [M]	C660	ECBT1H331KB5	330P 50V [M]	C750	ECUZ1E104MBN	0.1 25V [M]			
C307	RCQB2A392KM	3900P 100V [M]	C662	ECBT1H102KB5	1000P 50V [M]	C751	ECUZ1E104MBN	0.1 25V [M]			
C308	ECEA1AU101B	100 10V [M]	C664	ECBT1H102KB5	1000P 50V [M]	C752	ECUZ1H102KBN	1000P 50V [M]			
C309	ECBT1C682MR5	6800P 16V [M]	C667	ECBT1H102KB5	1000P 50V [M]	C753	ECUZ1H471KBM	470P 50V [M]			
C310	ECBT1H102KB5	1000P 50V [M]	C668	ECBT1H331KB5	330P 50V [M]	C754	ECUZ1H471KBN	470P 50V [M]			
C313	ECBT1H561KB5	560P 50V [M]	C669	ECBT1H331KB5	330P 50V [M]	C761	ECUZ1H471KBN	470P 50V [M]			
C314	ECEA1AU470B	47 10V [M]	C670	ECBT1H102KB5	1000P 50V [M]	C762	ECUZ1H471KBN	470P 50V [M]			
C315	ECBT1H102KB5	1000P 50V [M]	C671	ECBT1H561KB5	560P 50V [M]						
C316	ECEA1AU101B	100 10V [M]	C672	ECBT1H561KB5	560P 50V [M]		CHIP JUMPERS				
C317	ECA1CM222EV	22 16V [M]	C701	ECEA0JKA330I	33 6.3V [M]						
C318	ECEA1HU4R7B	4.7 50V [M]	C702	ECUZ1E104MBN	0.1 25V [M]	RJ701	ERJ6GEY0R00A	0 1/10W [M]			
C319	ECBT1H102KB5	1000P 50V [M]	C703	ECEA0JKA101I	100 6.3V [M]	RJ702	ERJ8GEY0R00A	0 1/8W [M]			
C320	ECEA1AU220B	22 10V [M]	C704	ECUZ1E104MBN	0.1 25V [M]	RJ703	ERJ8GEY0R00A	0 1/8W [M]			
C323	ECEA1CU220B	22 16V [M]	C706	ECUZ1H272KBN	2700P 50V [M]	RJ704	ERJ8GEY0R00A	0 1/8W [M]			
C324	ECBT1H102KB5	1000P 50V [M]	C707	ECUZ1E273KBN	0.027 25V [M]	RJ705	ERJ8GEY0R00A	0 1/8W [M]			
C325	ECEA1CU101B	100 16V [M]	C710	ECUV1H151KCN	150P 50V [M]	RJ706	ERJ8GEY0R00A	0 1/8W [M]			
C330	ECBT1H104ZF5	0.1 50V [M]	C711	ECUZ1E104ZFN	0.1 25V [M]	RJ707	ERJ8GEY0R00A	0 1/8W [M]			
C331	ECEA1AU221B	220 10V [M]	C712	ECUZ1E104ZFN	0.1 25V [M]	RJ708	ERJ8GEY0R00A	0 1/8W [M]			
C333	ECBT1H104ZF5	0.1 50V [M]	C713	ECUZ1E104MBN	0.1 25V [M]	RJ709	ERJ8GEY0R00A	0 1/8W [M]			
C340	ECA0JM332EV	3300 6.3V [M]	C714	ECEA0JKA101I	100 6.3V [M]	RJ710	ERJ8GEY0R00A	0 1/8W [M]			
C501	ECKR1H103ZF5	0.01 50V [M]	C715	ECUZ1H182KBN	1800P 50V [M]	RJ721	ERJ6GEY0R00A	0 1/10W [M]			
C502	ECKR1H103ZF5	0.01 50V [M]	C716	ECUZ1H821KBN	820P 50V [M]	RJ722	ERJ6GEY0R00A	0 1/10W [M]			
C503	ECKR1H103ZF5	0.01 50V [M]	C717	ECUZ1E104ZFN	0.1 25V [M]	RJ723	ERJ6GEY0R00A	0 1/10W [M]			