

# Service Manual

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MTNC040520C1

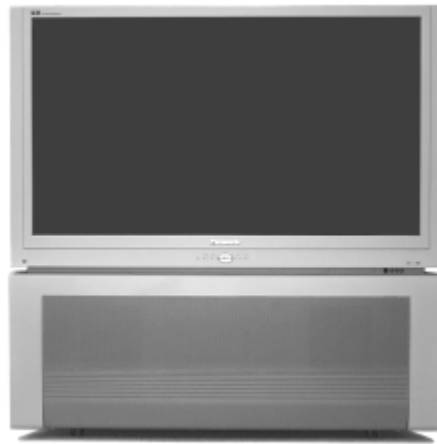
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# Service Manual

HDTV MONITOR

- PT-53X54J

GN1P




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## **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.

# Panasonic®

**IMPORTANT SAFETY NOTICE**

There are special components used in this equipment which are important for safety. These parts are marked by  in the Schem Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of the manufacturer.

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## 7 Board description table

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BOARD	PART NUMBER	DESCRIPTION
A-BOARD	TNP2AH058	MAIN CHASSIS
D-BOARD	TNP2AH059	POWER SUPPLY
CD-BOARD	TNP2AA166	AUTO CONVERGENCE SENSOR
* DC-BOARD	TNP2AA163	CONVERGENCE PROCESSING
* DG-BOARD	TNP2AA173AE	MPU, VIDEO SIGNAL PROCESSING
G-BOARD	TNP2AA164	FRONT A/V INPUT
H-BOARD	TNP2AA174AD	REAR A/V INPUTS
K-BOARD	TNP2AA165	KEYBOARD PANEL
LB-BOARD	TNP2AA161	BLUE PRT
LG-BOARD	TNP2AA160	GREEN PRT
LR-BOARD	TNP2AA162	RED PRT
R-BOARD	TNPA0615AB	IR SENSOR

### NOTE

When ordering a replacement board assembly, append an “S” to the board number

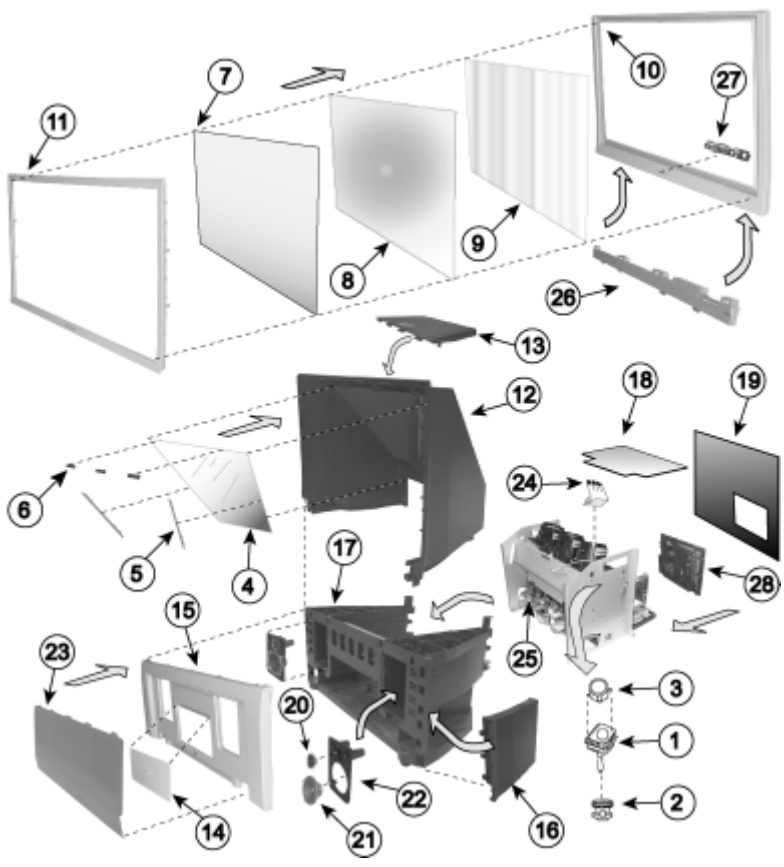
### EXAMPLE

To order the A Board, the replacement board is TNP2AH058S

\*

CD-Board, DC-Board and DG-Board are non-serviceable boards, except for the connector JK5001 in DG-Board. If any of these boards are defective, replace it with a new one.









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






## 24.2 Parts list

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Ref. No.	Part No.	Part Name & Description	Remarks
CAPACITORS			
C001	ECA1HM4R7B	CAP E 4.7UF-50V	
C003	ECJ2VC1H101J	CAP C 100PF-J-50V	
C004	ECJ2VF1E224Z	CAP C .22UF-Z-25V	
C006	EEUFC1A471B	CAP E 470UF-16V	
C007	ECA1HM4R7B	CAP E 4.7UF-50V	
C009	ECJ2VC1H101J	CAP C 100PF-J-50V	
C010	ECJ2VF1E224Z	CAP C .22UF-Z-25V	
C012	EEUFC1A471B	CAP E 470UF-10V	
C051	EEUFC1E470B	CAP E 47UF-25V	
C052	TACCX103T50V	CAP C .01UF-Z-50V	
C302	ECCR1H221JC5	CAP C 220PF-J-50V	
C303	ECQM2103KZ3	CAP P .01UF-K-200V	
C304	ECQE2104KFW	CAP P .10UF-K-200V	
C305	ECA1HM470B	CAP E 47UF-50V	
C306	ECA2EM100E	CAP E 10UF-250V	
C307	ECKR1H103ZF5	CAP C .01UF-Z-50V	
C308	ECA1HM220B	CAP E 22UF-50V	
C309	ECA2EM100B	CAP E 10UF-250V	
C312	ECKC3D102KBN	CAP C 1000PF-K-2KV	
C313	ECKR2H102KB5	CAP C 1000PF-K-500V	
C315	ECKR1H103ZF5	CAP C .01UF-Z-50V	
C331	ECA1HM470B	CAP E 47UF-50V	
C332	ECKR1H103ZF5	CAP C .01UF-Z-50V	
C333	ECA1HM470B	CAP E 47UF-50V	
C334	ECA2EM470B	CAP E 47UF-250V	
C335	ECCR1H221JC5	CAP C 220PF-J-50V	
C336	ECA1HM470B	CAP E 47UF-50V	
C337	ECKR1H103ZF5	CAP C .01UF-Z-50V	
C339	ECQE2104KFW	CAP P .10UF-K-200V	
C340	ECKR1H103ZF5	CAP C .01UF-Z-50V	
C341	ECA2EM100B	CAP E 10UF-250V	
C345	ECKC3D102KBN	CAP C 1000PF-K-2KV	
C346	ECKR2H102KB5	CAP C 1000PF-K-500V	
C362	ECCR1H221JC5	CAP C 220PF-J-50V	
C364	ECQE2104KFW	CAP P .10UF-K-200V	
C365	ECA2EM100B	CAP E 10UF-250V	
C366	ECA1HM470B	CAP E 47UF-50V	
C367	ECKR1H103ZF5	CAP C .01UF-Z-50V	
C368	ECKR1H103ZF5	CAP C .01UF-Z-50V	
C372	ECKC3D102KBN	CAP C 1000PF-K-2KV	

C373	ECKR2H102KB5	CAP C 1000PF-K-500V	
C374	ECA1CM101B	CAP E 100UF-16V	
C405	ECA1EHG102E	CAP E 1 000UF-25V	
C406	ECA1EHG102E	CAP E 1 000UF-25V	
C407	ECJ2VF1H103Z	CAP C .01UF-Z-50V	
C408	ECJ2VF1H103Z	CAP C .01UF-Z-50V	
C411	ECJ2VB1H822K	CAP C .0082UF-K-50V	
C412	ECQB1224KF3	CAP P .22UF-K-100V	
C413	ECJ2VF1C105Z	CAP C 1.0UF-Z-16V	
C414	ECJ2VB1H272K	CAP C .0027UF-K-50V	
C417	ECJ2VF1H104Z	CAP C .1UF-Z-50V	
C418	ECJ2VF1H223Z	CAP C .022UF-Z-50V	
C421	ECEA1CN220UB	CAP E 22UF-16V	
C458	ECJ2VF1H103Z	CAP C .01UF-Z-50V	
C461	ECA1HHG221B	CAP E 220UF-50V	
C501	ECA1EM101B	CAP E 100UF-25V	
C502	ECQV1H105JL3	CAP P 1.0UF-J-50V	
C503	ECKR2H102KB5	CAP C 1000PF-K-500V	
C509	ECWF2474JSR	CAP P .47UF-J-200V	
C510	ECJ2VC1H221J	CAP C 220PF-J-50V	
C511	ECWH20222JVY	CAP P 2200PF-J-2KV	
C512	ECWH20202JVY	CAP P 2000PF-J-2KV	
C513	ECQF4103JZH	CAP P .01UF-J-400V	
C514	ECWH20222JVY	CAP P 2200PF-J-2KV	
C518	ECKW3D221JBP	CAP C 220PF-J-2KVDC	
C519	ECKW3D221JBP	CAP C 220PF-J-2KVDC	
C520	ECQB1H103JF3	CAP P .01UF-J-50V	
C524	ECQB1224JF3	CAP P .22UF-J-100V	
C525	ECEA1HN220UB	CAP E 22UF-50V	
C526	ECA2EM101E	CAP E 100UF-250V	
C527	ECKR2H102KB5	CAP C 1000PF-K-500V	
C528	ECA1HM470B	CAP E 47UF-50V	
C531	ECA160V33UE	CAP E 33UF-160V	
C533	ECKR2H101KB5	CAP C 100UF-K-500V	
C535	ECA1EM471E	CAP E 470UF-25V	
C601	EEUFC1C331B	CAP E 330UF-16V	
C602	ECJ2VF1H103Z	CAP C .01UF-Z-50V	
C653	ECA1HM010E	CAP E 1UF-50V	
C654	ECA1HM010E	CAP E 1UF-50V	
C701	ECA1CM101B	CAP E 100UF-16V	
C702	ECKW3D271KBP	CAP C 270PF-K-2KV	
C703	ECQM2104KZW	CAP P .1UF-K-200V	
C704	ECKR2H391KB5	CAP C 390PF-K-500V	
C707	ECJ2VF1H103Z	CAP C .01UF-Z-50V	
C708	ECQE1685KFB	CAP P 6.8UF-K-100V	

C801	ECQU2A474MLA	CAP. P. 47UF-M-250VAC	
C802	ECQU2A474MLA	CAP. P. 47UF-M-250VAC	
C803	ECKCNA222ME7	CAP C 2200PF-M-125V	
C804	ECKCNA222ME7	CAP C 2200PF-M-125V	
C805	ECKW2H472PU7	CAP C 4700PF-P-500V	
C806	ECKW2H472PU7	CAP C 4700PF-P-500V	
C807	ECKW2H472PU7	CAP C 4700PF-P-500V	
C808	ECA1EM101B	CAP E 100UF-25V	
C809	ECJ2VB1E223K	CAP C .022UF-K-25V	
C810	EETED2D102C	CAP E 1000PF-200V	
C812	ECA1EHG471B	CAP E 470UF-25V	
C814	ECKW3D102KBP	CAP C 1000PF-K-2KV	
C815	ECQB1H152JF3	CAP P 1500PF-J-50V	
C817	ECKW3D102KBP	CAP C 1000PF-K-2KV	
C819	ECQB1H102JF3	CAP P 1000PF-J-50V	
C820	ECQV1H334JL3	CAP P .33UF-J-50V	
C821	ECQB1H272KF3	CAP P 2700PF-K-50V	
C822	ECA1HM220B	CAP E 22UF-50V	
C823	ECJ2VC1H151J	CAP C 150PF-J-50V	
C824	EEUFC1V151B	CAP E 150UF-35V	
C825	ECKCNA102MBB	CAP C .001UF-M-125V	
C826	ECJ2VF1H104Z	CAP C .1UF-Z-50V	
C830	EETHC2C471B	CAP E 470PF-160V	
C831	ECKW3D821KBP	CAP C 820PF-K-2KV	
C832	ECJ2VF1H103Z	CAP C .01UF-Z-50V	
C834	EEUFC1V222E	CAP E 2200UF-35V	
C836	ECKR3A331KBP	CAP C 330PF-K-1KVDC	
C837	ECA1EM472E	CAP E 4700UF-25V	
C839	ECKR3A331KBP	CAP C 330PF-K-1KVDC	
C841	ECA1EM472E	CAP E 4700UF-25V	
C842	ECKR3A331KBP	CAP C 330PF-K-1KVDC	
C843	ECA1VM222E	CAP E 2200UF-35V	
C844	ECKR3A331KBP	CAP C 330PF-K-1KVDC	
C845	ECA1VM222E	CAP E 2200UF-35V	
C846	ECKR3A331KBP	CAP C 330PF-K-1KVDC	
C848	ECA1CM101B	CAP E 100UF-16V	
C849	ECKR1H223ZF5	CAP C .022UF-Z-50V	
C851	ECQV1H104JL3	CAP P .10UF-J-50V	
C852	ECA1EM101B	CAP E 100UF-25V	
C853	ECJ2YF1E474Z	CAP C .47UF-Z-25V	
C854	ECA1CM101B	CAP E 100UF-16V	
C855	ECJ2VF1H104Z	CAP C .1UF-Z-50V	
C856	ECJ2VF1H103Z	CAP C .01UF-Z-50V	
C860	ECJ2VB1H103K	CAP C .01UF-K-50V	

C861	ECJ2VF1H103Z	CAP C .01UF-Z-50V	
C862	ECJ2VB1H103K	CAP C .01UF-K-50V	
C863	ECJ2VF1H103Z	CAP C .01UF-Z-50V	
C864	ECJ2VF1H103Z	CAP C .01UF-Z-50V	
C865	ECA1CM221B	CAP E 10UF-16V	
C866	ECA0JM221B	CAP E 220UF-6.3V	
C867	ECA1CM221B	CAP E 10UF-16V	
C868	EEUFC1C471B	CAP E 470UF-16V	
C869	EEUFC1A471B	CAP E 470UF-10V	
C870	EEUFC1A471B	CAP E 470UF-10V	
C874	ECA1VM221B	CAP E 220UF-35V	
C875	ECA1VM221B	CAP E 220UF-35V	
C876	ECA1VM221B	CAP E 220UF-35V	
C877	ECJ2VF1H103Z	CAP C .01UF-Z-50V	
C878	ECJ2VF1H103Z	CAP C .01UF-Z-50V	
C879	ECA0JM221B	CAP E 220UF-6.3V	
C880	ECA0JM221B	CAP E 220UF-6.3V	
C885	EEUFC1A471B	CAP E 470UF-10V	
C886	EEUFC1A471B	CAP E 470UF-10V	
C889	ECA1VM221B	CAP E 220UF-35V	
C890	ECA1VM221B	CAP E 220UF-35V	
C902	ECQM2103KZ3	CAP P .01UF-K-200V	
C903	ECKR1H103ZF5	CAP C .01UF-Z-50V	
C904	ECKR1H103ZF5	CAP C .01UF-Z-50V	
C906	ECQM2103KZ3	CAP P .01UF-K-200V	
C907	ECA2CM100E	CAP E 10UF-160V	
C908	ECA1CM101B	CAP E 100UF-16V	
C909	ECA1CM101B	CAP E 100UF-16V	
C910	ECA2CM100E	CAP E 10UF-160V	
C911	ECQE2104KFW	CAP P .10UF-K-200V	
C912	ECA1HM220B	CAP E 22UF-50V	
C913	ECKR1H103ZF5	CAP C .01UF-Z-50V	
C916	ECQE2104KFW	CAP P .10UF-K-200V	
C939	ECKR1H103ZF5	CAP C .01UF-Z-50V	
C940	ECQM2103KZ3	CAP P .01UF-K-200V	
C941	ECKR1H103ZF5	CAP C .01UF-Z-50V	
C942	ECQM2103KZ3	CAP P .01UF-K-200V	
C943	ECA2CM100E	CAP E 10UF-160V	
C944	ECA1CM101B	CAP E 100UF-16V	
C945	ECA1CM101B	CAP E 100UF-16V	
C947	ECA2CM100E	CAP E 10UF-160V	
C948	ECKR1H103ZF5	CAP C .01UF-Z-50V	
C949	ECQE2104KFW	CAP P .10UF-K-200V	
C962	ECKR1H103ZF5	CAP C .01UF-Z-50V	
C963	ECQM2103KZ3	CAP P .01UF-K-200V	
C964	ECKR1H103ZF5	CAP C .01UF-Z-50V	
C965	ECKR1H103ZF5	CAP C .01UF-Z-50V	










C966	ECQM2103KZ3	CAP P .01UF-K-200V	
C967	ECA2CM100E	CAP E 10UF-160V	
C968	ECA1CM101B	CAP E 100UF-16V	
C969	ECA1CM101B	CAP E 100UF-16V	
C970	ECA2CM100E	CAP E 10UF-160V	
C971	ECQE2104KFW	CAP P .10UF-K-200V	
C972	ECA1HM220B	CAP E 22UF-50V	
C1303	ECJ2VF1H103Z	CAP C .01UF-Z-50V	
C1304	ECJ2VF1H104Z	CAP C .1UF-Z-50V	
C1305	ECJ2VB1C104K	CAP C .1UF-K-16V	
C1306	ECJ2VF1H103Z	CAP C .01UF-Z-50V	
C1307	ECA1CM101B	CAP E 100UF-16V	
C1502	ECQE6104KFB	CAP P 100UF-K-100V	
C1503	ECQE6104KFB	CAP P 100UF-K-100V	
C1504	ECJ2FB1H104K	CAP C .1UF-K-50V	
C1505	ECA1CM101B	CAP E 100UF-16V	
C1506	ECJ2VF1H103Z	CAP C .01UF-Z-50V	
C1508	ECA1CM101B	CAP E 100UF-16V	
C1509	ECJ2VF1C105Z	CAP C 1.0UF-Z-16V	
C1510	ECJ2VF1H103Z	CAP C .01UF-Z-50V	
C1511	ECJ2VC1H471J	CAP C 470PF-J-50V	
C1513	ECEA1EN101UB	CAP E 100UF-25V	
C1514	ECA1CM101B	CAP E 100UF-16V	
C2201	ECJ2VB1C104K	CAP C .1UF-K-16V	
C2202	ECA1HM100B	CAP E 10UF-50V	
C2203	ECA1HMR47B	CAP E .47UF-50V	
C2204	ECQB1H473JF3	CAP P .047UF-J-50V	
C2205	ECSF1CE335VB	CAP E 33MF-16V	
C2206	ECQB1H223JF3	CAP P .022UF-J-50V	
C2207	ECA1HM010B	CAP E 1UF-50V	
C2208	ECSF1CE106VB	CAP E 10UF-16V	
C2209	ECA1HM4R7B	CAP E 4.7UF-50V	
C2210	ECA1HM2R2B	CAP E 2.2UF-50V	
C2211	ECJ2VB1C104K	CAP C .1UF-K-16V	
C2212	ECJ2VB1C104K	CAP C .1UF-K-16V	
C2214	ECA1CM101B	CAP E 100UF-16V	
C2215	ECJ2VF1H104Z	CAP C .1UF-Z-50V	
C2216	ECJ2VF1H104Z	CAP C .1UF-Z-50V	
C2303	ECA50YT1R5KB	CAP E 1.5UF-50V	
C2306	ECA50YT1R5KB	CAP E 2.2UF-50V	
C2310	ECQB1H224JF3	CAP P .22UF-J-50V	
C2314	FIJ1C225A083	CAP C 2.2UF-Z-16V	
C2317	ECJ3VB1H104K	CAP C .1UF-K-50V	
C2319	ECJ2VB1H333K	CAP C .033UF-K-50V	
C2322	ECJ2VB1H561K	CAP C 560PF-K-50V	
C2323	ECQB1H224JF3	CAP P .22UF-J-50V	
C2327	ECJ2VB1H471K	CAP C 470PF-K-50V	





C2329	ECJ2VC1H270J	CAP C 27PF-J-50V	
C2331	ECJ2VB1H471K	CAP C 470PF-K-50V	
C2334	ECJ2VF1C105Z	CAP C 1.0UF-Z-16V	
C2335	ECJ2VF1C105Z	CAP C 1.0UF-Z-16V	
C2337	ECJ2VB1H331K	CAP C 330PF-K-50V	
C2338	ECJ2VB1H682K	CAP C .0068UF-K-50V	
C2340	ECJ3VB1H104K	CAP C .1UF-K-50V	
C2342	ECJ2VB1H331K	CAP C 330PF-K-50V	
C2344	ECJ3VB1H104K	CAP C .1UF-K-50V	
C2346	ECJ2VB1H471K	CAP C 470PF-K-50V	
C2348	ECJ2VF1C105Z	CAP C 1.0UF-Z-16V	
C2349	ECJ2VF1C105Z	CAP C 1.0UF-Z-16V	
C2352	ECJ2VB1H682K	CAP C .0068UF-K-50V	
C2353	ECJ2VB1H471K	CAP C 470PF-K-50V	
C2356	ECJ2VB1H333K	CAP C .033UF-K-50V	
C2359	ECJ2VB1H561K	CAP C 560PF-K-50V	
C2361	ECJ3VB1H104K	CAP C .1UF-K-50V	
C2363	ECJ3VB1H104K	CAP C .1UF-K-50V	
C2365	EEUFC1E222E	CAP E 2200UF-25V	
C2368	EEUFC1E222E	CAP E 2200UF-25V	
C2369	ECEA1CN100UB	CAP E 10UF-16V	
C2370	ECEA1CN100UB	CAP E 10UF-16V	
C2371	ECJ2VF1H103Z	CAP C .01UF-Z-50V	
C2372	ECJ2VF1H103Z	CAP C .01UF-Z-50V	
C2373	ECA1HM100B	CAP E 10UF-50V	
C2374	ECA1EM101B	CAP E 100UF-25V	
C2375	ECA1HM100B	CAP E 10UF-50V	
C2376	ECJ2VF1C105Z	CAP C 1.0UF-Z-16V	
C2377	ECJ2VF1C105Z	CAP C 1.0UF-Z-16V	
C2378	ECJ2VF1C105Z	CAP C 1.0UF-Z-16V	
C2379	ECJ2VF1C105Z	CAP C 1.0UF-Z-16V	
C2381	ECJ2VB1H561K	CAP C 560PF-K-50V	
C2382	ECJ2VB1H561K	CAP C 560PF-K-50V	
C2394	ECJ2VF1H104Z	CAP C .1UF-Z-50V	
C2398	ECJ2VF1H104Z	CAP C .1UF-Z-50V	
C2403	ECJ2VB1H561K	CAP C 560PF-K-50V	
C2404	ECJ2VB1H561K	CAP C 560PF-K-50V	
C2421	ECJ2VB1H561K	CAP C 560PF-K-50V	
C2426	ECJ2VF1H104Z	CAP C .1UF-Z-50V	
C2434	ECJ2VF1H104Z	CAP C .1UF-Z-50V	
C2451	ECJ2VF1C105Z	CAP C 1.0UF-Z-16V	
C2452	ECJ2VB1H332K	CAP C .0033UF-K-50V	
C2453	ECJ2VB1H333K	CAP C .033UF-K-50V	
C2454	ECJ2VB1H222K	CAP C .0022UF-K-50V	
C2455	ECJ2VB1C224K	CAP C .22UF-K-16V	
C2456	ECJ2VF1C105Z	CAP C 1.0UF-Z-16V	
C2457	ECJ2VB1C104K	CAP C .1UF-K-16V	

C2458	ECA1HM4R7B	CAP E 4.7UF-50V	
C2459	ECA1HM4R7B	CAP E 4.7UF-50V	
C2460	ECJ2VB1H103K	CAP C .01UF-K-50V	
C2461	ECJ2VF1C105Z	CAP C 1.0UF-Z-16V	
C2462	ECJ2VB1H332K	CAP C .0033UF-K-50V	
C2463	ECJ2VB1H333K	CAP C .033UF-K-50V	
C2464	ECJ2VB1H222K	CAP C .0022UF-K-50V	
C2465	ECJ2VB1C224K	CAP C .22UF-K-16V	
C2466	ECJ2VB1C104K	CAP C .1UF-K-16V	
C2467	ECA1HM4R7B	CAP E 4.7UF-50V	
C2468	ECA1HM4R7B	CAP E 4.7UF-50V	
C2469	ECA1HM4R7B	CAP E 4.7UF-50V	
C2470	ECA1CM101B	CAP E 100UF-16V	
C3201	ECJ2VF1C105Z	CAP C 1.0UF-Z-16V	
C3202	ECJ2VB1H152K	CAP C .0015UF-K-50V	
C3203	ECJ2VB1H152K	CAP C .0015UF-K-50V	
C3331	ECJ2VB1H152K	CAP C .0015UF-K-50V	
C3332	ECJ2VF1C105Z	CAP C 1.0UF-Z-16V	
C3333	ECJ2VB1H152K	CAP C .0015UF-K-50V	
C3334	ECJ2VF1C105Z	CAP C 1.0UF-Z-16V	
C3335	ECJ2VB1H152K	CAP C .0015UF-K-50V	
C3336	ECJ2VF1C105Z	CAP C 1.0UF-Z-16V	
C3337	ECJ2VB1H152K	CAP C .0015UF-K-50V	
C3338	ECJ2VF1C105Z	CAP C 1.0UF-Z-16V	
C3339	ECJ2VB1H103K	CAP C .01UF-K-50V	
C3340	ECJ2YB1A105K	CAP C 1.0UF-K-125V	
C3341	ECJ2YB1A105K	CAP C 1.0UF-K-125V	
C3342	ECJ2VF1C105Z	CAP C 1.0UF-Z-16V	
C3343	ECJ2VB1H152K	CAP C .0015UF-K-50V	
C3344	ECJ2VF1C105Z	CAP C 1.0UF-Z-16V	
C3345	ECJ2VB1H152K	CAP C .0015UF-K-50V	
C3346	ECJ2VB1H103K	CAP C .01UF-K-50V	
C3347	ECJ2YB1A105K	CAP C 1.0UF-K-125V	
C3348	ECJ2YB1A105K	CAP C 1.0UF-K-125V	
C3349	ECJ2VB1H152K	CAP C .0015UF-K-50V	
C3350	ECJ2VF1C105Z	CAP C 1.0UF-Z-16V	
C3351	ECJ2VB1H152K	CAP C .0015UF-K-50V	
C3352	ECJ2VF1C105Z	CAP C 1.0UF-Z-16V	
C3353	ECJ2YB1A105K	CAP C 1.0UF-K-125V	
C3354	ECJ2VB1H152K	CAP C .0015UF-K-50V	
C3355	ECJ2VF1C105Z	CAP C 1.0UF-Z-16V	
C3357	ECJ2VB1H152K	CAP C .0015UF-K-50V	
C3358	ECJ2VF1C105Z	CAP C 1.0UF-Z-16V	
C3359	ECA1EM471E	CAP E 470UF-25V	
C3360	ECJ2VB1H152K	CAP C .0015UF-K-50V	
C3361	ECJ2VB1H152K	CAP C .0015UF-K-50V	
C3362	ECJ2VF1C105Z	CAP C 1.0UF-Z-16V	

C3363	ECJ2VF1C105Z	CAP C 1.0UF-Z-16V	
C3364	ECJ2YB1A105K	CAP C 1.0UF-K-125V	
C3365	ECJ2YB1A105K	CAP C 1.0UF-K-125V	
C3366	ECJ2YB1A105K	CAP C 1.0UF-K-125V	
C3367	ECJ2YB1A105K	CAP C 1.0UF-K-125V	
C3368	ECJ2YB1A105K	CAP C 1.0UF-K-125V	
C3369	ECJ2YB1A105K	CAP C 1.0UF-K-125V	
C7001	ECJ3YF1E225Z	CAP C 22MF-Z-25V	
C7002	ECJ3YF1E225Z	CAP C 22MF-Z-25V	
C7004	ECA1EHG221B	CAP E 220UF-25V	
C7006	ECA1EHG221B	CAP E 220UF-25V	
C7015	ECJ2VF1H103Z	CAP C .01UF-Z-50V	
C7016	ECJ2VF1H103Z	CAP C .01UF-Z-50V	
C7017	ECJ2VF1H103Z	CAP C .01UF-Z-50V	
C7018	ECJ2VF1H103Z	CAP C .01UF-Z-50V	
C7032	ECJ2VF1H104Z	CAP C .1UF-Z-50V	
C7033	ECJ2VF1H104Z	CAP C .1UF-Z-50V	
C7034	ECJ2VF1H104Z	CAP C .1UF-Z-50V	
C7035	ECJ2VF1H104Z	CAP C .1UF-Z-50V	
C7050	ECA1VM470B	CAP E 47UF-35V	
C7060	ECA1CHG101B	CAP E 100UF-16V	
C7061	ECA1CHG101B	CAP E 100UF-16V	
C7065	ECA1VM470B	CAP E 47UF-35V	
DIODES			
D001	MAZ31500ML	DIODE ZENER	
D002	MAZ31500ML	DIODE ZENER	
D003	MAZ31500ML	DIODE ZENER	
D004	MAZ31500ML	DIODE ZENER	
D081	LN21RCPHL	DIODE	
D082	MAZ40560MF	DIODE ZENER	
D083	MAZ40560MF	DIODE ZENER	
D301	MA2C16700E	DIODE	
D302	MAZ40680LF	DIODE ZENER	
D303	TVSRM1V1	DIODE	
D304	B0HALP000002	DIODE FAST RECOVERY	
D306	MA2C165001VT	DIODE	
D307	MA2C165001VT	DIODE	
D312	MA2C18800E	DIODE	
D313	MA2C18800E	DIODE	
D314	MA2C18800E	DIODE	
D315	MA2C18800E	DIODE	
D331	B0HALP000002	DIODE FAST RECOVERY	
D331	MA2C165001VT	DIODE	
D334	MA2C165001VT	DIODE	
D335	MA2C165001VT	DIODE	
D339	MA2C18800E	DIODE	
D340	MA2C18800E	DIODE	

D341	MA2C18800E	DIODE	
D342	MA2C18800E	DIODE	
D361	B0HALP000002	DIODE FAST RECOVERY	
D361	B0HALP000002	DIODE	
D363	MA2C165001VT	DIODE	
D364	MA2C165001VT	DIODE	
D369	MA2C18800E	DIODE	
D370	MA2C18800E	DIODE	
D371	MA2C18800E	DIODE	
D372	MA2C18800E	DIODE	
D407	MA3X152K0L	DIODE	
D409	MA3X152K0L	DIODE	
D410	MA3X152K0L	DIODE	
D411	MA3X152K0L	DIODE	
D451	B0EAKC000003	DIODE RECTIFIER	
D452	B0EAKC000003	DIODE RECTIFIER	
D453	B0EAKC000003	DIODE RECTIFIER	
D454	B0EAKC000003	DIODE RECTIFIER	
D455	B0EAKC000003	DIODE RECTIFIER	
D456	B0EAKC000003	DIODE RECTIFIER	
D458	B0EAKL000008	DIODE RECTIFIER	
D465	MAZ40390MF	DIODE ZENER	
D466	MA3X152K0L	DIODE	
D501	B0HALP000002	DIODE FAST RECOVERY	
D502	MAZ31500ML	DIODE ZENER	
D503	B0HBRV000001	DIODE	
D504	MAZ42700MF	DIODE ZENER	
D509	MA3X152K0L	DIODE	
D510	MAZ30820LL	DIODE ZENER	
D511	B0HAHP000014	DIODE	
D512	B0HALP000002	DIODE FAST RECOVERY	
D513	MA2C165001VT	DIODE	
D0514	MAZ30300LL	DIODE ZENER	
D515	B0HALP000002	DIODE FAST RECOVERY	
D516	EU2YXV0	DIODE	
D519	AU02ZV0	DIODE	
D520	MA3X152K0L	DIODE	
D634	MA2C165001VT	DIODE	
D650	MAZ41100MF	DIODE ZENER	
D651	MAZ41100MF	DIODE ZENER	
D656	MAZ41100MF	DIODE ZENER	
D657	MAZ41100MF	DIODE ZENER	
D659	MAZ41100MF	DIODE ZENER	
D660	MAZ41100MF	DIODE ZENER	
D662	MAZ41100MF	DIODE ZENER	
D663	MAZ41100MF	DIODE ZENER	
D702	B0HALP000002	DIODE FAST RECOVERY	



D801	D3SB80-4101	DIODE	
D802	D4EAB3610002	DIODE	
D804	B0EBKM000016	DIODE	
D815	MA2C165001VT	DIODE	
D816	MA2C70000F	DIODE	
D817	AU01ZV0	DIODE	
D818	MAZ32700LL	DIODE ZENER	
D819	B0BA01000046	DIODE ZENER	
D822	B0AAGM000006	DIODE SWITCHING	
D825	SF5L60U-4115	GERMANIUM DIODE	
D827	SF5LC30-4115	GERMANIUM DIODE	
D828	SF5LC30-4115	GERMANIUM DIODE	
D829	SF5LC30-4115	GERMANIUM DIODE	
D830	B0HAPM000012	DIODE	
D831	B0HAPM000012	DIODE	
D835	B0JAME000052	DIODE	
D837	MA3X152K0L	DIODE	
D870	MA2C165001VT	DIODE	
D872	MA2062-BTP	DIODE	
D873	MAZ31500ML	DIODE ZENER	
D874	MA2120-ATP	DIODE	
D875	MA2062-BTP	DIODE	
D880	B0JCME000025	DIODE	
D881	B0JCME000025	DIODE	
D882	B0JCME000025	DIODE	
D884	MA2062-BTP	DIODE	
D885	MA2062-BTP	DIODE	
D886	MA2C165001VT	DIODE	
D887	B0JCME000025	DIODE	
D888	B0JCME000025	DIODE	
D891	MAZ30330LL	DIODE ZENER	
D902	MA2C18800E	DIODE	
D933	MA2C18800E	DIODE	
D953	B0ZAZ0000047	DIODE	
D962	MA2C18800E	DIODE	
D973	B0ZAZ0000047	DIODE	
D983	B0ZAZ0000047	DIODE	
D1502	B0HACW000001	DIODE	
D1503	MAZ30300LL	DIODE ZENER	
D1504	B0HACW000001	DIODE	
D1505	MA2C0290BF	DIODE	
D1506	MAZ30510ML	DIODE	
D1507	MAZ30300LL	DIODE ZENER	
D1510	MAZ30300LL	DIODE ZENER	
D1599	MA3X152K0L	DIODE	

D2302	MA3X152K0L	DIODE	
D2306	MA3X152K0L	DIODE	
D2307	MA3X152K0L	DIODE	
D2330	MA3X152K0L	DIODE	
D2331	MA3X152K0L	DIODE	
D2334	MA2C165001VT	DIODE	
D3301	MAZ31100ML	DIODE ZENER	
D3302	MAZ31100ML	DIODE ZENER	
D3304	MAZ31100ML	DIODE ZENER	
D3306	MAZ31100ML	DIODE ZENER	
D3307	MAZ31100ML	DIODE ZENER	
D3308	MAZ31100ML	DIODE ZENER	
D3309	MAZ31100ML	DIODE ZENER	
D3310	MAZ31100ML	DIODE ZENER	
D3312	MAZ31100ML	DIODE ZENER	
D3314	MAZ31100ML	DIODE ZENER	
D3316	MAZ31100ML	DIODE ZENER	
D3317	MAZ31100ML	DIODE ZENER	
D3318	MAZ31100ML	DIODE ZENER	
D3319	MAZ31100ML	DIODE ZENER	
D3320	MAZ31100ML	DIODE ZENER	
D3321	MAZ31100ML	DIODE ZENER	
D3322	MAZ31100ML	DIODE ZENER	
D3323	MAZ31100ML	DIODE ZENER	
D3324	MAZ31100ML	DIODE ZENER	
D3325	MAZ31100ML	DIODE ZENER	
D3326	MAZ31100ML	DIODE ZENER	
D3328	MAZ31100ML	DIODE ZENER	
D3329	MAZ31100ML	DIODE ZENER	
D3330	MAZ31100ML	DIODE ZENER	
D3332	CVS20A120MTA	DIODE	
D3334	CVS20A120MTA	DIODE	
D3335	MAZ31100ML	DIODE ZENER	
D3336	MAZ31100ML	DIODE ZENER	
D3339	MAZ31100ML	DIODE ZENER	
D3340	MAZ31100ML	DIODE ZENER	
D7060	MA3X152K0L	DIODE	
FUSES			
F801	K5D632AD0002	FUSE 6.3A/125V	
INTEGRATED CIRCUITS			
IC451	C1AA00000521	VERTICAL OUTPUT	
IC701	C0BBBA000043	EW, HHS ADJ. OP-AMP	
IC801	AN8029	POWER SUPPLY	
IC802	C0EAS0000025	MAIN REGULATOR	
IC805	AN78M12LB	12V REGULATOR	
IC811	0N3171RLF	OPTO COUPLER	



IC872	C0DACMG00001	9V REGULATOR	
IC874	SI-8050J	5V REGULATOR	
IC875	C0DACMG00001	3.3V REGULATOR	
IC876	C0DACMG00001	2.5V REGULATOR	
IC877	C0DACMG00001	1.8V REGULATOR	
IC880	AN78M12LB	12V REGULATOR	
IC1302	TVR2AJ180S	MAIN EEPROM	
IC1303	TVR2AJ199S	CONVERGENCE EEPROM	
IC1501	C0ABBA000073	EHT ADJ. OP-AMP	
IC2201	AN5849S-E1V	MTS AUDIO	
IC2301	C1AA00000645	AUDIO AMPLIFIER	
IC2303	C0ABBA000073	VAO OP-AMP	
IC2401	NJW1164MPTE1	BBE VIVA PROCESSOR	
IC7001	C5AA00000196	CONVERGENCE AMPLIFIER	
IC7002	C5AA00000196	CONVERGENCE AMPLIFIER	
COILS			
L001	ELELN330JA	COIL 33UH	
L002	ELELN330JA	COIL 33UH	
L301	ELEBD101KA	COIL 100UH	
L302	ELESN100JA	COIL PEAKING 10UH	
L303	ELESN6R8JA	COIL PEAKING 6.8UH	
L304	ELESN4R7JA	RADIAL INDUCTOR	
L307	ELEBD101KA	COIL 100UH	
L331	ELESN100JA	COIL PEAKING 10UH	
L332	ELESN6R8JA	COIL PEAKING 6.8UH	
L333	G0C560KA0021	COIL PEAKING 56UH	
L334	ELESN4R7KA	COIL PEAKING 4.7UH	
L335	ELEBD101KA	COIL 100UH	
L337	G0C560KA0021	COIL PEAKING 56UH	
L341	ELEBD101KA	COIL 100UH	
L361	ELEBD101KA	COIL 100UH	
L362	ELESN100JA	COIL PEAKING 10UH	
L363	ELESN150JA	COIL PEAKING 15UH	
L364	ELESN4R7JA	RADIAL INDUCTOR	
L366	ELEBD101KA	COIL 100UH	
L500	TALL08TR82MA	COIL	
L501	EXCELSA35T	FERRITE BEAD	
L510	EXCELDR25V	FERRITE BEAD	
L511	EXCELDR25V	FERRITE BEAD	
L515	EXCELDR25V	FERRITE BEAD	
L516	EXCELDR25V	FERRITE BEAD	
L555	ELH5L718	COIL	
L701	ELESN100KA	COIL PEAKING 10UH	
L702	EXCELSA35T	FERRITE BEAD	
L703	ELC18B152L	FILTER	
L704	ELC18B151G	FILTER	
L805	EXCELDR25V	FERRITE BEAD	



L806	EXCELDR25V	FERRITE BEAD	
L808	EXCELDR35V	FERRITE BEAD	
L810	EXCELDR25V	FERRITE BEAD	
L811	EXCELDR25V	FERRITE BEAD	
L815	EXCELSA39E	EMI BEAD CORE	
L816	EXCELSA39E	EMI BEAD CORE	
L817	TALL08T680KA	COIL	
L818	TALL08T680KA	COIL	
L819	EXCELDR35V	FERRITE BEAD	
L820	EXCELDR35V	FERRITE BEAD	
L821	EXCELDR35V	FERRITE BEAD	
L825	TALL08T330KA	COIL	
L826	TALL08T330KA	COIL	
L827	TALL08T330KA	COIL	
L880	TALL08T220KA	COIL	
L881	TALL08T221KA	COIL	
L882	TALL08T220KA	COIL	
L883	G0ZZ00001909	INT CKT	
L884	TALFP15B151K	LINE FILTER	
L885	G0ZZ00001909	INT CKT	
L886	G0A101E00003	COIL	
L887	G0A101E00003	COIL	
L888	G0A470F00004	COIL	
L889	TALL08T221KA	COIL	
L890	TALL08T221KA	COIL	
L892	G0ZZ00001909	INT CKT	
L893	G0ZZ00001909	INT CKT	
L894	G0A101E00003	COIL	
L895	G0A101E00003	COIL	
L901	EXCELSA35T	FERRITE BEAD	
L902	EXCELSA35T	FERRITE BEAD	
L903	EXCELSA35T	FERRITE BEAD	
L933	EXCELSA35T	FERRITE BEAD	
L934	EXCELSA35T	FERRITE BEAD	
L935	EXCELSA35T	FERRITE BEAD	
L961	EXCELSA35T	FERRITE BEAD	
L962	EXCELSA35T	FERRITE BEAD	
L963	EXCELSA35T	FERRITE BEAD	
L1301	EXCELSA35T	FERRITE BEAD	
L1302	EXCELSA39V	EMI BEAD CORE	
L1303	EXCELSA39V	EMI BEAD CORE	
L1304	EXCELSA39V	EMI BEAD CORE	
L1305	EXCELSA39V	EMI BEAD CORE	
L1306	EXCELSA39V	EMI BEAD CORE	
L2201	ELESN100JA	COIL PEAKING 10UH	
L2310	EXCELDR35V	FERRITE BEAD	
L2311	ELC12E390L	CHOKE COIL 39UH	





L2314	EXCELDR35V	FERRITE BEAD	
L2315	ELC12E390L	CHOKE COIL 39UH	
L2317	TALL08T330KA	COIL	
L2318	TALL08T330KA	COIL	
L2354	EXCELSA35T	FERRITE BEAD	
L2355	EXCELSA35T	FERRITE BEAD	
L7001	EXCELSA39V	EMI BEAD CORE	
L7002	EXCELSA39V	EMI BEAD CORE	
L7003	EXCELSA39V	EMI BEAD CORE	
L7004	EXCELSA39V	EMI BEAD CORE	
L7005	EXCELSA39V	EMI BEAD CORE	
L7006	EXCELSA39V	EMI BEAD CORE	
LF801	ELF21N035A	LINE FILTER	
LF803	ELF21N035A	LINE FILTER	
TRANSISTORS			
Q301	2SC1473ATA	TRANSISTOR	
Q302	2SC3526H	TRANSISTOR	
Q303	2SC1473ATA	TRANSISTOR	
Q304	2SA1309ATA	TRANSISTOR	
Q325	2SC3311ATA	TRANSISTOR	
Q331	2SC3526H	TRANSISTOR	
Q332	2SA1309ATA	TRANSISTOR	
Q353	2SC3942LB	TRANSISTOR	
Q354	B1BAAN000025	TRANSISTOR	
Q355	B1BCAN000004	TRANSISTOR	
Q362	2SC3311ATA	TRANSISTOR	
Q363	2SC3526H	TRANSISTOR	
Q364	2SA1309ATA	TRANSISTOR	
Q365	2SC3311ATA	TRANSISTOR	
Q366	2SC3311ATA	TRANSISTOR	
Q367	2SA1309ATA	TRANSISTOR	
Q368	2SA1309ATA	TRANSISTOR	
Q373	2SC3942LB	TRANSISTOR	
Q374	B1BAAN000025	TRANSISTOR	
Q375	B1BCAN000004	TRANSISTOR	
Q376	2SC3311ATA	TRANSISTOR	
Q393	2SC3942LB	TRANSISTOR	
Q394	B1BAAN000025	TRANSISTOR	
Q395	B1BCAN000004	TRANSISTOR	
Q397	2SC3311ATA	TRANSISTOR	
Q406	2PD601AR-115	TRANSISTOR	
Q501	B1CEML000001	TRANSISTOR	
Q509	2SC1473QRTA	TRANSISTOR	
Q510	2SC1473QRTA	TRANSISTOR	
Q512	2PD601AR-115	TRANSISTOR	
Q513	2PD601AR-115	TRANSISTOR	

Q551	B1BAJW000001	TRANSISTOR	
Q606	2PD601AR-115	TRANSISTOR	
Q701	2SK2538000LB	TRANSISTOR	
Q801	2SK2917LB	TRANSISTOR	
Q802	2PD601AR-115	TRANSISTOR	
Q803	2PB709AR-115	TRANSISTOR	
Q854	2SA19610QAHW	TRANSISTOR	
Q881	UN2214TX	TRANSISTOR	
Q882	UN2115TX	TRANSISTOR	
Q883	UN2215TX	TRANSISTOR	
Q901	2SB1321ARA	TRANSISTOR	
Q903	2SA1309ATA	TRANSISTOR	
Q904	2SD1992ARA	TRANSISTOR	
Q905	2SC3311ATA	TRANSISTOR	
Q906	2SC3311ATA	TRANSISTOR	
Q907	2SA1309ATA	TRANSISTOR	
Q908	2SC3311ATA	TRANSISTOR	
Q934	2SA1309ATA	TRANSISTOR	
Q935	2SC3311ATA	TRANSISTOR	
Q936	2SC3311ATA	TRANSISTOR	
Q937	2SA1309ATA	TRANSISTOR	
Q938	2SB1321ARA	TRANSISTOR	
Q941	2SD1992ARA	TRANSISTOR	
Q951	2SC3311ATA	TRANSISTOR	
Q952	2SC3311ATA	TRANSISTOR	
Q953	2SC3311ATA	TRANSISTOR	
Q955	2SA1248SRA	TRANSISTOR	
Q956	2SC3116SRA	TRANSISTOR	
Q957	2SA1248SRA	TRANSISTOR	
Q958	2SC3116SRA	TRANSISTOR	
Q959	2SA1248SRA	TRANSISTOR	
Q960	2SC3116SRA	TRANSISTOR	
Q961	2SB1321ARA	TRANSISTOR	
Q962	2SC3311ATA	TRANSISTOR	
Q964	2SD1992ARA	TRANSISTOR	
Q965	2SA1309ATA	TRANSISTOR	
Q966	2SC3311ATA	TRANSISTOR	
Q967	2SC3311ATA	TRANSISTOR	
Q968	2SA1309ATA	TRANSISTOR	
Q1503	2SA1309ATA	TRANSISTOR	
Q1504	B1BAAV000003	TRANSISTOR	
Q1505	2SC3311ATA	TRANSISTOR	
Q2301	UN2215TX	TRANSISTOR	
Q2302	2PB709AR-115	TRANSISTOR	
Q2303	2PD601AR-115	TRANSISTOR	
Q2304	2PB709AR-115	TRANSISTOR	
Q2305	UN2115TX	TRANSISTOR	

Q2306	UNR221600L	TRANSISTOR	
Q2307	UNR221600L	TRANSISTOR	
Q2308	2PD601AR-115	TRANSISTOR	
Q2309	2PD601AR-115	TRANSISTOR	
Q2350	UNR221600L	TRANSISTOR	
Q2352	2PB709AR-115	TRANSISTOR	
Q2358	UNR221600L	TRANSISTOR	
Q2451	2PD601AR-115	TRANSISTOR	
Q2452	2PD601AR-115	TRANSISTOR	
Q7006	2PD601AR-115	TRANSISTOR	
Q7007	2PD601AR-115	TRANSISTOR	
Q7060	2PB709AR-115	TRANSISTOR	
Q7061	2PD601AR-115	TRANSISTOR	
RELAYS			
RL801	K6B1ADA00010	RELAY	
RL802	K6B1ADA00010	RELAY	
RESISTORS			
R001	ERJ6GEYJ101V	RES M 100-J-1/10W	
R002	ERJ6GEYJ101V	RES M 100-J-1/10W	
R004	ERJ6GEYJ101V	RES M 100-J-1/10W	
R005	ERJ6GEYJ101V	RES M 100-J-1/10W	
R008	ERJ6GEYJ103V	RES M 10K-J-1/10W	
R009	ERJ6GEYJ103V	RES M 10K-J-1/10W	
R010	ERJ6GEYJ103V	RES M 10K-J-1/10W	
R013	ERG1SJ273P	RES M 27K-J-1W	
R015	ERG1SJ273P	RES M 27K-J-1W	
R072	ERDS2TJ101T	RES C 100-J-1/4W	
R073	ERDS2TJ471T	RES C 470-J-1/4W	
R080	ERDS2TJ222T	RES C 2.2K-J-1/4W	
R081	ERDS2TJ222T	RES C 2.2K-J-1/4W	
R082	ERDS2TJ332T	RES C 3.3K-J-1/4W	
R083	ERDS2TJ512T	RES C 5.1K-J-1/4W	
R084	ERDS2TJ912T	RES C 9.1K-J-1/4W	
R086	ERDS2TJ681T	RES C 680-J-1/4W	
R087	ERDS2TJ331T	RES C 330-J-1/4W	
R088	ERDS2TJ392T	RES C 3.9K-J-1/4W	
R089	ERDS2TJ822T	RES C 8.2K-J-1/4W	
R301	ERDS1FJ394P	RES C 390K-J-1/2W	
R302	ERDS2TJ101T	RES C 100-J-1/4W	
R303	EROS2THF2200	RES M 220-F-1/4W	
R304	ERDS2TJ334T	RES C 330K-J-1/4W	
R305	EROS2THF2200	RES M 220-F-1/4W	
R306	EROS2THF1001	RES M 1K-F-1/4W	
R307	ERDS2TJ220T	RES C 22-J-1/4W	
R308	ERDS2TJ334T	RES C 330K-J-1/4W	
R310	ERDS2TJ562T	RES C 5.6K-J-1/4W	

R311	ERDS2TJ470T	RES C 47-J-1/4W	
R312	ERG7ZJ272	RES M 2.7K-J-7W	
R313	ERDS2TJ151T	RES C 150-J-1/4W	
R315	ERDS2TJ563T	RES C 56K-J-1/4W	
R316	ERDS2TJ821T	RES C 820-J-1/4W	
R317	ERDS2TJ332T	RES C 3.3K-J-1/4W	
R318	ERDS2TJ681T	RES C 680-J-1/4W	
R319	ERG12SJ101P	RES M 100-J-1W	
R320	ERDS1FJ330P	RES C 33-J-1/2W	
R321	ERDS1FJ330P	RES C 33-J-1/2W	
R322	ERG12SJ101P	RES M 100-J-1W	
R323	ERDS2TJ470T	RES C 47-J-1/4W	
R325	ERDS2TJ473T	RES C 47K-J-1/4W	
R325	ERDS2TJ473T	RES C 47K-J-1/4W	
R326	ERDS2TJ101T	RES C 100-J-1/4W	
R327	ERC12GK331D	RES C 330-K-1/2W	
R328	ERDS1TJ104T	RES C 100K-J-1/2W	
R329	ERDS1FJ103T	RES C 10K-J-1/2W	
R331	EROS2THF2200	RES M 220-F-1/4W	
R332	ERDS2TJ101T	RES C 100-J-1/4W	
R333	EROS2THF2200	RES M 220-F-1/4W	
R334	ERDS2TJ220T	RES C 22-J-1/4W	
R335	EROS2THF4700	RES M 470-F-1/4W	
R337	ERDS2TJ151T	RES C 150-J-1/4W	
R338	ERDS2TJ681T	RES C 680-J-1/4W	
R341	ERDS2TJ101T	RES C 100-J-1/4W	
R344	ERG7ZJ272	RES M 2.7K-J-7W	
R345	ERDS2TJ470T	RES C 47-J-1/4W	
R346	ERDS2TJ470T	RES C 47-J-1/4W	
R348	ERDS2TJ563T	RES C 56K-J-1/4W	
R349	ERDS2TJ821T	RES C 820-J-1/4W	
R350	ERG12SJ101P	RES M 100-J-1W	
R351	ERDS1FJ330P	RES C 33-J-1/2W	
R352	ERDS1FJ330P	RES C 33-J-1/2W	
R353	ERG12SJ101P	RES M 100-J-1W	
R354	ERDS2TJ473T	RES C 47K-J-1/4W	
R355	ERDS1FJ103T	RES C 10K-J-1/2W	
R356	ERC12GK331D	RES C 330-K-1/2W	
R357	ERDS1TJ104T	RES C 100K-J-1/2W	
R360	ERDS2TJ470T	RES C 47-J-1/4W	
R363	ERDS2TJ220T	RES C 22-J-1/4W	
R365	ERDS2TJ221T	RES C 220-J-1/4W	
R366	ERDS2TJ101T	RES C 100-J-1/4W	
R367	EROS2THF2200	RES M 220-F-1/4W	
R368	EROS2THF2200	RES M 220-F-1/4W	
R369	ERDS2TJ472T	RES C 4.7K-J-1/4W	
R370	EROS2THF1470	RES M 1.47K-F-1/4W	

R371	EROS2THF1001	RES M 1K-F-1/4W	
R372	EROS2THF82R0	RES M 82.0-F-1/4W	
R374	ERDS2TJ151T	RES C 150-J-1/4W	
R375	ERDS2TJ470T	RES C 47-J-1/4W	
R378	ERDS2TJ101T	RES C 100-J-1/4W	
R379	ERDS2TJ563T	RES C 56K-J-1/4W	
R380	ERDS2TJ821T	RES C 820-J-1/4W	
R382	ERDS1FJ103T	RES C 10K-J-1/2W	
R383	ERG12SJ101P	RES M 100-J-1W	
R384	ERDS1FJ330P	RES C 33-J-1/2W	
R385	ERDS1FJ330P	RES C 33-J-1/2W	
R386	ERG12SJ101P	RES M 100-J-1W	
R387	ERG7ZJ272	RES M 2.7K-J-7W	
R389	ERDS2TJ473T	RES C 47K-J-1/4W	
R390	ERC12GK331D	RES C 330-K-1/2W	
R391	ERDS1TJ104T	RES C 100K-J-1/2W	
R392	EROS2THF8201	RES M 8.2K-F-1/4W	
R393	EROS2THF5101	RES M 8.2K-F-1/4W	
R394	EROS2THF9760	RES M 976-F-1/4W	
R395	ERDS2TJ221T	RES C 220-J-1/4W	
R396	ERDS2TJ472T	RES C 4.7K-J-1/4W	
R397	EROS2THF1201	RES M 1.2K-F-1/4W	
R398	EROS2THF3300	RES M 330-F-1/4W	
R408	ERJ6GEYJ272V	RES M 2.7K-J-1/10W	
R409	ERDS2TJ563T	RES C 56K-J-1/4W	
R410	ERJ6GEYJ224V	RES M 220K-J-1/10W	
R411	ERJ6GEYJ103V	RES M 10K-J-1/10W	
R412	ERJ6GEYJ682V	RES M 6.8K-J-1/10W	
R415	ERG3FJ331H	RES M 330-J-3W	
R421	ERJ6ENF2702V	RES M 27K-F-1/10W	
R422	ERJ6ENF82R0V	RES M 82-F-1/10W	
R423	ERJ6ENF5601V	RES M 5.6K-F-1/10W	
R425	ERDS1FJ1R0T	RES C 1.0-J-1/2W	
R426	ERJ6ENF1502V	RES M 15K-F-1/10W	
R428	ERJ6ENF1502V	RES M 15K-F-1/10W	
R434	ERX12SJ1R8V	RES M 1.8-J-1/2W	
R435	ERX12SJ1R8V	RES M 1.8-J-1/2W	
R464	ERJ6GEYJ102V	RES M 1K-J-1/10W	
R465	ERJ6GEYJ472V	RES M 4.7K-J-1/10W	
R465	ERJ6GEYJ472V	ES M 4.7K-J-1/10W	
R466	ERJ6GEYJ562V	RES M 5.6K-J-1/10W	
R470	ERDS2TJ331T	RES C 330-J-1/4W	
R471	ERDS2TJ331T	RES C 330-J-1/4W	
R472	ERDS2TJ331T	RES C 330-J-1/4W	
R501	ERJ6GEYJ104V	RES M 100K-J-1/10W	
R502	ERJ6GEYJ680V	RES M 68-J-1/10W	
R503	ERG2FJ180H	RES M 18-J-2W	

R504	ERG3FJ271H	RES M 270-J-3W	
R505	ERG1SJ120P	RES M 12-J-1W	
R506	ERX1SJR47P	RES M .47-J-1W	
R512	ERJ6GEYJ103V	RES M 10K-J-1/10W	
R513	ERDS2TJ471T	RES C 470-J-1/4W	
R514	EROS2THF5602	RES M 56K-F-1/4W	
R515	EROS2THF4642	RES M 45.4K 1/4W	
R516	ERJ6GEYJ101V	RES M 100-J-1/10W	
R517	EROS2THF2002	RES M 20K-F-1/4W	
R518	ERX12SJR22V	RES M .22-J-1/2W	
R519	ERQ12HKR22P	RES F .22-K-1/2W	
R520	ERQ12HJ330P	RES F 33-J-1/2W	
R521	EROS2THF2612	RES M 260-1/4W	
R522	EROS2THF7151	RES M 7.15K-F-1/4W	
R523	ERDS2TJ275T	RES C 2.7MEG-J-1/4W	
R524	EROS2THF2002	RES M 20K-F-1/4W	
R525	ERJ6GEYJ272V	RES M 2.7K-J-1/10W	
R534	EROS2THF1203	RES M 120K-F-1/4W	
R535	ERDS2TJ222T	RES C 2.2K-J-1/4W	
R541	ERDS2TJ563T	RES C 56K-J-1/4W	
R550	EROS2THF1002	RES M 10K-F-1/4W	
R560	ERJ6GEYJ101V	RES M 100-J-1/10W	
R561	ERJ6GEYJ103V	RES M 10K-J-1/10W	
R562	ERJ6GEYJ104V	RES M 100K-J-1/10W	
R621	ERJ6GEYJ103V	RES M 10K-J-1/10W	
R622	ERJ6GEYJ152V	RES M 1.5K-J-1/10W	
R624	ERJ6GEYJ101V	RES M 100-J-1/10W	
R643	ERJ6GEYJ101V	RES M 100-J-1/10W	
R653	ERDS2TJ101T	RES C 100-J-1/4W	
R654	ERDS2TJ184T	RES C 180K-J-1/4W	
R655	ERDS2TJ184T	RES C 180K-J-1/4W	
R704	ERJ6GEYJ102V	RES M 1K-J-1/10W	
R706	ERDS1FJ680T	RES C 68-J-1/2W	
R708	ERF5AK4R7H	RES W 4.7-K-5W	
R800	D1F53R3EA001	RES M 3.3-1/2W	
R805	ERDS2TJ101T	RES C 100-J-1/4W	
R808	ERX12SZJR12P	RES M .12-J-1/2W	
R809	ERJ6GEYJ225V	RES M 2.2M-J-1/10W	
R810	ERX12SZJR12P	RES M .12-J-1/2W	
R811	ERX12SZJR12P	RES M .12-J-1/2W	
R812	ERDS2TJ103T	RES C 10K-J-1/4W	
R813	ERDS1FJ561T	RES C 560-J-1/2W	
R814	ERDS2TJ4R7T	RES C 4.7-J-1/4W	
R815	ERJ6GEYJ301V	RES M 300-J-1/10W	
R816	ERDS2TJ471T	RES C 470-J-1/4W	
R817	ERJ6ENF2001V	RES M 2K-F-1/10W	

R818	ERDS1FJ100T	RES C 10-J-1/2W	
R820	ERDS1FJ470T	RES C 47-J-1/2W	
R822	ERJ6GEYJ222V	RES M 2.2K-J-1/10W	
R833	ERJ6GEYJ101V	RES M 100-J-1/10W	
R835	ERDS2TJ101T	RES C 100-J-1/4W	
R836	ERJ6GEYJ101V	RES M 100-J-1/10W	
R839	ERJ6GEYJ222V	RES M 2.2K-J-1/10W	
R840	ERJ6GEYJ101V	RES M 100-J-1/10W	
R846	ERDS2TJ223T	RES C 22K-J-1/4W	
R847	ERDS2TJ272T	RES C 2.7K-J-1/4W	
R857	ERX1SJ1R0P	RES M 1.0-J-1W	
R858	ERX1SJ1R0P	RES M 1.0-J-1W	
R859	ERDS2TJ103T	RES C 10K-J-1/4W	
R860	ERDS1FJ222T	RES C 2200-J-1/2W	
R862	ERG3FJ333H	RES M 33K-J-3W	
R865	ERJ6GEYJ153V	RES M 15K-J-1/10W	
R866	ERJ6GEYJ332V	RES M 3.3K-J-1/10W	
R867	ERJ6GEYJ472V	RES M 4.7K-J-1/10W	
R870	ERJ6GEYJ104V	RES M 100K-J-1/10W	
R871	ERDS2TJ272T	RES C 2.7K-J-1/4W	
R872	ERJ6GEYJ333V	RES M 33K-J-1/10W	
R873	ERJ6GEYJ102V	RES M 1K-J-1/10W	
R874	ERJ6GEYJ102V	RES M 1K-J-1/10W	
R875	ERJ6ENF6191V	RES M 6190-F-1/10W	
R877	ERJ6ENF1781V	RES M 1.78K-F-1/10W	
R878	ERJ6ENF1001V	RES M 1K-F-1/10W	
R879	ERJ6ENF1001V	RES M 1K-F-1/10W	
R880	ERJ6ENF1001V	RES M 1K-F-1/10W	
R881	ERDS1TJ560T	RES C 56-J-1/2W	
R882	ERJ6ENF9530V	RES M 953-F-1/10W	
R883	ERJ6ENF6340V	RES M 634-F-1/10W	
R885	ERJ6ENF1001V	RES M 1K-F-1/10W	
R886	ERJ6ENF1001V	RES M 1K-F-1/10W	
R901	ERDS2FJ122T	RES C 1.2K-J-1/2W	
R902	ERDS2TJ103T	RES C 10K-J-1/4W	
R903	ERDS2TJ683T	RES C 68K-J-1/4W	
R904	ERDS2TJ683T	RES C 68K-J-1/4W	
R905	ERDS2TJ103T	RES C 10K-J-1/4W	
R906	ERDS2TJ122T	RES C 1.2K-J-1/4W	
R907	ERDS1FVJ470T	RES C 47-J-1/2W	
R908	ERDS1FVJ470T	RES C 47-J-1/2W	
R909	ERDS1FVJ4R7T	RES C 4.7-J-1/2W	
R910	ERDS2TJ4R7T	RES C 4.7-J-1/4W	
R911	ERG3SJS221H	RES M 220-J-3W	
R912	ERDS2TJ101T	RES C 100-J-1/4W	
R913	ERDS2TJ152T	RES C 1.5K-J-1/4W	
R914	ERDS2TJ152T	RES C 1.5K-J-1/4W	












R915	ERQ14AJ220P	RES F 22-J-1/4W	
R916	ERQ14AJ220P	RES F 22-J-1/4W	
R917	ERQ14AJ100P	RES F 10-J-1/4W	
R918	ERDS2TJ472T	RES C 4.7K-J-1/4W	
R919	ERDS2TJ472T	RES C 4.7K-J-1/4W	
R920	ERDS2TJ681T	RES C 680-J-1/4W	
R921	ERDS2TJ151T	RES C 150-J-1/4W	
R925	ERDS2TJ151T	RES C 150-J-1/4W	
R926	ERDS2TJ151T	RES C 150-J-1/4W	
R928	ERQ14AJ220P	RES F 22-J-1/4W	
R929	ERDS2TJ101T	RES C 100-J-1/4W	
R940	ERDS2TJ472T	RES C 4.7K-J-1/4W	
R941	ERDS2TJ472T	RES C 4.7K-J-1/4W	
R942	ERDS2TJ152T	RES C 1.5K-J-1/4W	
R943	ERDS2TJ152T	RES C 1.5K-J-1/4W	
R944	ERDS2TJ681T	RES C 680-J-1/4W	
R945	ERDS2TJ681T	RES C 680-J-1/4W	
R946	ERQ14AJ100P	RES F 10-J-1/4W	
R947	ERQ14AJ220P	RES F 22-J-1/4W	
R948	ERDS2FJ122T	RES C 1.2K-J-1/2W	
R949	ERDS2TJ103T	RES C 10K-J-1/4W	
R950	ERDS2TJ683T	RES C 68K-J-1/4W	
R951	ERDS2TJ683T	RES C 68K-J-1/4W	
R952	ERDS2TJ103T	RES C 10K-J-1/4W	
R953	ERDS2TJ122T	RES C 1.2K-J-1/4W	
R954	ERDS1FVJ470T	RES C 47-J-1/2W	
R955	ERDS1FVJ470T	RES C 47-J-1/2W	
R956	ERDS1FVJ4R7T	RES C 4.7-J-1/2W	
R957	ERDS2TJ4R7T	RES C 4.7-J-1/4W	
R958	ERG3SJS221H	RES M 220-J-3W	
R959	ERDS2TJ681T	RES C 680-J-1/4W	
R961	ERDS2FJ122T	RES C 1.2K-J-1/2W	
R962	ERDS2TJ103T	RES C 10K-J-1/4W	
R963	ERDS2TJ683T	RES C 68K-J-1/4W	
R964	ERDS2TJ683T	RES C 68K-J-1/4W	
R965	ERDS2TJ103T	RES C 10K-J-1/4W	
R966	ERDS2TJ122T	RES C 1.2K-J-1/4W	
R967	ERDS1FVJ470T	RES C 47-J-1/2W	
R968	ERDS1FVJ470T	RES C 47-J-1/2W	
R969	ERDS1FVJ4R7T	RES C 4.7-J-1/2W	
R970	ERDS2TJ4R7T	RES C 4.7-J-1/4W	
R971	ERG3SJS221H	RES M 220-J-3W	
R972	ERDS2TJ101T	RES C 100-J-1/4W	
R973	ERDS2TJ152T	RES C 1.5K-J-1/4W	
R974	ERDS2TJ152T	RES C 1.5K-J-1/4W	
R975	ERQ14AJ100P	RES F 10-J-1/4W	
R976	ERQ14AJ220P	RES F 22-J-1/4W	



R977	ERDS2TJ151T	RES C 150-J-1/4W	
R978	ERQ14AJ220P	RES F 22-J-1/4W	
R979	ERDS2TJ472T	RES C 4.7K-J-1/4W	
R980	ERDS2TJ472T	RES C 4.7K-J-1/4W	
R981	ERDS2TJ681T	RES C 680-J-1/4W	
R1322	ERJ6GEYJ101V	RES M 100-J-1/10W	
R1323	ERJ6GEYJ101V	RES M 100-J-1/10W	
R1324	ERJ6GEYJ101V	RES M 100-J-1/10W	
R1325	ERJ6GEYJ101V	RES M 100-J-1/10W	
R1326	ERJ6GEYJ101V	RES M 100-J-1/10W	
R1327	ERJ6GEYJ101V	RES M 100-J-1/10W	
R1329	ERJ6GEYJ101V	RES M 100-J-1/10W	
R1330	ERJ6GEYJ101V	RES M 100-J-1/10W	
R1331	ERJ6GEYJ101V	RES M 100-J-1/10W	
R1332	ERJ6GEYJ101V	RES M 100-J-1/10W	
R1338	ERJ6GEYJ103V	RES M 10K-J-1/10W	
R1502	ERJ6GEYJ222V	RES M 2.2K-J-1/10W	
R1503	ERJ6GEYJ102V	RES M 1K-J-1/10W	
R1504	ERJ6GEYJ102V	RES M 1K-J-1/10W	
R1505	EROS2THF133I	RES M 1.33K-F-1/4W	
R1506	ERJ6GEYJ102V	RES M 1K-J-1/10W	
R1507	ERG3SJD152L	RES M 1.5K-J-3W	
R1508	ERJ6GEYJ152V	RES M 1.5K-J-1/10W	
R1509	ERDS2TJ102T	RES C 1K-J-1/4W	
R1510	ERG2SJD333L	RES M 33K-J-2W	
R1511	ERG2SJD333L	RES M 33K-J-2W	
R1512	ERJ6ENF2201V	RES M 2.2K-F-1/10W	
R1514	ERG2SJD333L	RES M 33K-J-2W	
R1515	ERJ6ENF1001V	RES M 1K-F-1/10W	
R1516	ERJ6GEYJ101V	RES M 100-J-1/10W	
R1517	ERJ6ENF3571V	RES M 3.57K-F-1/10W	
R1518	ERG2SJD333L	RES M 33K-J-2W	
R1519	ERDS2TJ101T	RES C 100-J-1/4W	
R1520	ERDS2TJ221T	RES C 220-J-1/4W	
R1521	EROS2THF1500	RES M 150-F-1/4W	
R1522	ERC12GK103D	RES C 10K-K-1/2W	
R1523	ERDS2TJ104T	RES C 100K-J-1/4W	
R1524	EROS2THF140I	RES M 1.4K-F-1/4W	
R1527	ERJ6GEYJ102V	RES M 1K-J-1/10W	
R1528	ERDS2TJ332T	RES C 3.3K-J-1/4W	
R1529	ERJ6GEYJ103V	RES M 10K-J-1/10W	
R1532	ERJ6ENF2201V	RES M 2.2K-F-1/10W	
R1542	ERG2SJD333L	RES M 33K-J-2W	
R1544	ERJ6GEYJ471V	RES M 470-J-1/10W	
R1546	ERJ6GEYJ221V	RES M 220-J-1/10W	
R1599	ERJ6ENF9761V	RES M 9760-F-1/10W	
R2201	ERJ6GEYJ222V	RES M 2.2K-J-1/10W	

R2202	ERJ6GEYJ102V	RES M 1K-J-1/10W	
R2203	ERJ6GEYJ102V	RES M 1K-J-1/10W	
R2204	ERJ6GEYJ101V	RES M 100-J-1/10W	
R2302	ERJ6GEYJ472V	RES M 4.7K-J-1/10W	
R2307	ERJ6ENF1501V	RES M 1.5K-F-1/10W	
R2309	ERJ12YJ101U	RES M 100-J-1/2W	
R2310	ERJ6ENF5232V	RES M 5.32K-F-1/10W	
R2312	ERJ6ENF4701V	RES M 4.7K-F-1/10W	
R2315	ERJ6GEYJ103V	RES M 10K-J-1/10W	
R2316	ERJ6GEYJ683V	RES M 68K-J-1/10W	
R2320	ERJ6GEYJ223V	RES M 22K-J-1/10W	
R2321	ERJ6ENF1202V	RES.M 1.2K-F-1/10W	
R2322	ERJ6ENF1202V	RES.M 1.2K-F-1/10W	
R2324	ERJ6ENF1303V	RES M 130K-F-1/10W	
R2326	ERJ6GEYJ223V	RES M 22K-J-1/10W	
R2328	ERJ6ENF1202V	RES.M 1.2K-F-1/10W	
R2331	ERJ6GEYJ683V	RES M 68K-J-1/10W	
R2333	ERJ6ENF1202V	RES.M 1.2K-F-1/10W	
R2334	ERJ6ENF4701V	RES M 4.7K-F-1/10W	
R2336	ERJ6ENF5232V	RES M 5.32K-F-1/10W	
R2337	ERJ6ENF1501V	RES M 1.5K-F-1/10W	
R2339	ERJ12YJ101U	RES M 100-J-1/2W	
R2341	ERJ6GEYJ122V	RES M 1.2K-J-1/10W	
R2342	ERJ6GEYJ122V	RES M 1.2K-J-1/10W	
R2343	ERJ6GEYJ103V	RES M 10K-J-1/10W	
R2344	ERJ6GEYJ103V	RES M 10K-J-1/10W	
R2345	ERJ6GEYJ103V	RES M 10K-J-1/10W	
R2346	ERJ6GEYJ103V	RES M 10K-J-1/10W	
R2347	ERJ6GEYJ473V	RES M 47K-J-1/10W	
R2348	ERJ6GEYJ103V	RES M 10K-J-1/10W	
R2349	ERJ6GEYJ271V	RES M 270-J-1/10W	
R2350	ERJ6GEYJ273V	RES M 27K-J-1/10W	
R2351	ERJ6GEYJ472V	RES M 4.7K-J-1/10W	
R2352	ERJ6GEYJ332V	RES M 3.3K-J-1/10W	
R2353	ERJ6GEYJ102V	RES M 1K-J-1/10W	
R2354	ERJ6GEYJ392V	RES M 3.9K-J-1/10W	
R2356	ERJ6GEYJ183V	RES M 18K-J-1/10W	
R2357	ERJ6GEYJ332V	RES M 3.3K-J-1/10W	
R2358	ERJ6GEYJ273V	RES M 27K-J-1/10W	
R2359	ERJ6GEYJ472V	RES M 4.7K-J-1/10W	
R2360	ERJ6GEYJ103V	RES M 10K-J-1/10W	
R2361	ERJ6GEYJ102V	RES M 1K-J-1/10W	
R2362	ERJ6GEYJ102V	RES M 1K-J-1/10W	
R2363	ERJ6GEYJ223V	RES M 22K-J-1/10W	
R2364	ERJ6GEYJ473V	RES M 47K-J-1/10W	
R2365	ERJ6GEYJ473V	RES M 47K-J-1/10W	
R2366	ERJ6GEYJ102V	RES M 1K-J-1/10W	

R2367	ERJ6GEYJ102V	RES M 1K-J-1/10W	
R2378	ERJ6ENF1501V	RES M 1.5K-F-1/10W	
R2380	ERJ6GEYJ392V	RES M 3.9K-J-1/10W	
R2391	ERJ6GEYJ392V	RES M 3.9K-J-1/10W	
R2420	ERJ6GEYJ392V	RES M 3.9K-J-1/10W	
R2432	ERJ6ENF1501V	RES M 1.5K-F-1/10W	
R2434	ERJ6GEYJ392V	RES M 3.9K-J-1/10W	
R2451	ERJ6GEYJ102V	RES M 1K-J-1/10W	
R2452	ERJ6GEYJ102V	RES M 1K-J-1/10W	
R2453	ERJ6GEYJ681V	RES M 680-J-1/10W	
R2454	ERJ6GEYJ681V	RES M 680-J-1/10W	
R2455	ERJ6GEYJ101V	RES M 100-J-1/10W	
R2456	ERJ6GEYJ101V	RES M 100-J-1/10W	
R2457	ERJ6GEYJ103V	RES M 10K-J-1/10W	
R2458	ERJ6GEYJ682V	RES M 6.8K-J-1/10W	
R2459	ERJ6GEYJ332V	RES M 3.3K-J-1/10W	
R2460	ERJ6GEYJ103V	RES M 10K-J-1/10W	
R2461	ERJ6GEYJ332V	RES M 3.3K-J-1/10W	
R3201	ERJ6GEYJ750V	RES M 75-J-1/10W	
R3202	ERJ6GEYJ750V	RES M 75-J-1/10W	
R3301	ERJ6GEYJ184V	RES M 180K-J-1/10W	
R3302	ERJ6GEYJ184V	RES M 180K-J-1/10W	
R3303	ERJ6ENF75R0V	RES M 75.0-F-1/10W	
R3304	ERJ6ENF75R0V	RES M 75.0-F-1/10W	
R3305	ERJ6GEYJ184V	RES M 180K-J-1/10W	
R3306	ERJ6ENF75R0V	RES M 75.0-F-1/10W	
R3307	ERJ6GEYJ184V	RES M 180K-J-1/10W	
R3308	ERJ6ENF75R0V	RES M 75.0-F-1/10W	
R3309	ERJ6ENF75R0V	RES M 75.0-F-1/10W	
R3310	ERJ6ENF75R0V	RES M 75.0-F-1/10W	
R3311	ERJ6ENF75R0V	RES M 75.0-F-1/10W	
R3312	ERJ6ENF75R0V	RES M 75.0-F-1/10W	
R3313	ERJ6ENF75R0V	RES M 75.0-F-1/10W	
R3314	ERJ6GEYJ103V	RES M 10K-J-1/10W	
R3315	ERJ6GEYJ184V	RES M 180K-J-1/10W	
R3316	ERJ6GEYJ184V	RES M 180K-J-1/10W	
R3317	ERJ6ENF75R0V	RES M 75.0-F-1/10W	
R3318	ERJ6ENF75R0V	RES M 75.0-F-1/10W	
R3319	ERJ6ENF75R0V	RES M 75.0-F-1/10W	
R3320	ERJ6GEYJ103V	RES M 10K-J-1/10W	
R3321	ERJ6GEYJ184V	RES M 180K-J-1/10W	
R3322	ERJ6GEYJ184V	RES M 180K-J-1/10W	
R3323	ERJ6ENF75R0V	RES M 75.0-F-1/10W	
R3324	ERJ6GEYJ184V	RES M 180K-J-1/10W	
R3326	ERJ6GEYJ184V	RES M 180K-J-1/10W	
R3327	ERJ6GEYJ184V	RES M 180K-J-1/10W	
R3328	ERJ6GEYJ184V	RES M 180K-J-1/10W	

R7001	ERG2FJ820H	RES M 82-J-2W	
R7002	ERG2FJ121H	RES M 120-J-2W	
R7003	ERG2FJ820H	RES M 82-J-2W	
R7004	ERG2FJ121H	RES M 120-J-2W	
R7005	ERG2FJ820H	RES M 82-J-2W	
R7006	ERG2FJ121H	RES M 120-J-2W	
R7011	ERX2FJ2R2H	RES M 2.2-J-2W	
R7012	ERX2FJ2R2H	RES M 2.2-J-2W	
R7013	ERX2FJ2R2H	RES M 2.2-J-2W	
R7014	ERX2FJ2R2H	RES M 2.2-J-2W	
R7015	ERX2FJ2R2H	RES M 2.2-J-2W	
R7016	ERX2FJ2R2H	RES M 2.2-J-2W	
R7023	ERJ6GEYJ273V	RES M 27K-J-1/10W	
R7024	ERJ6GEYJ472V	RES M 4.7K-J-1/10W	
R7026	ERJ6GEYJ222V	RES M 2.2K-J-1/10W	
R7027	ERJ6GEYJ332V	RES M 3.3K-J-1/10W	
R7029	ERJ6GEYJ332V	RES M 3.3K-J-1/10W	
R7030	ERJ6GEYJ222V	RES M 2.2K-J-1/10W	
R7031	ERJ6GEYJ222V	RES M 2.2K-J-1/10W	
R7032	ERJ6GEYJ332V	RES M 3.3K-J-1/10W	
R7034	ERJ6GEYJ273V	RES M 27K-J-1/10W	
R7035	ERJ6GEYJ472V	RES M 4.7K-J-1/10W	
R7036	ERJ6GEYJ222V	RES M 2.2K-J-1/10W	
R7037	ERJ6GEYJ222V	RES M 2.2K-J-1/10W	
R7038	ERJ6GEYJ222V	RES M 2.2K-J-1/10W	
R7040	ERJ6GEYJ103V	RES M 10K-J-1/10W	
R7041	ERJ6GEYJ103V	RES M 10K-J-1/10W	
R7045	ERJ6GEYJ103V	RES M 10K-J-1/10W	
R7046	ERJ6GEYJ103V	RES M 10K-J-1/10W	
R7047	ERJ6GEYJ103V	RES M 10K-J-1/10W	
R7048	ERJ6GEYJ103V	RES M 10K-J-1/10W	
R7052	ERJ6GEYJ332V	RES M 3.3K-J-1/10W	
R7055	ERJ6GEYJ332V	RES M 3.3K-J-1/10W	
R7058	ERJ6GEYJ332V	RES M 3.3K-J-1/10W	
R7059	ERJ6GEYJ104V	RES M 100K-J-1/10W	
R7060	ERX1SJR27P	RES M .27-J-1W	
R7061	ERJ6GEYJ102V	RES M 1K-J-1/10W	
R7062	ERJ6GEYJ103V	RES M 10K-J-1/10W	
R7063	ERJ6GEYJ103V	RES M 10K-J-1/10W	
R7064	ERJ6GEYJ103V	RES M 10K-J-1/10W	
R7065	ERJ6GEYJ102V	RES M 1K-J-1/10W	
R7066	ERX1SJR27P	RES M .27-J-1W	
SWITCHES			
SW080	EVQPBD05R	SWITCH	
SW081	EVQPBD05R	SWITCH	
SW082	EVQPBD05R	SWITCH	
SW083	EVQPBD05R	SWITCH	

SW084	EVQPBD05R	SWITCH	
SW085	EVQPBD05R	SWITCH	
SW086	EVQPBD05R	SWITCH	
SW087	EVQPBD05R	SWITCH	
SW088	EVQPBD05R	SWITCH	
TRANSFORMERS			
T501	ETH19K204AZ	TRANSFORMER	
T551	TLF2AA009	TRANSFORMER FLYBACK	
T801	ETS42AD495AD	TRANSFORMER	
T802	ETP30KB941JG	TRANSFORMER	
OTHERS			
TU001	ENGF6302GF	MAIN TUNER	
TU002	ENG36A08GF	SUB-TUNER	
M001	TSX2AA0421	AC LINE CORD	
<u>1</u>	TXFCRT37JSER	CRT(BLUE)	
	TXFCRT38JSER	CRT(GREEN)	
	TXFCRT39JSER	CRT(RED)	
M002	TJS2AC0051	CRT SOCKET	
<u>2</u>	KDY2ASF83F	DEFLECTION YOKE	
M003	TXF3A01ECV	DAG GND	
<u>3</u>	TKG2AF021-1	A/B LENS	
<u>4</u>	TKG2AA50111	MIRROR GLASS	
<u>5</u>	TMW2AX0041B	MIRROR BRACKET (SIDE)	
<u>6</u>	TMW2AX0161	MIRROR BRACKET (TOP)	
<u>7</u>	TKG2AD00131	SCREEN PROTECTIVE	
<u>8</u>	TKG2AH50381	SCREEN LENTICULAR	
<u>9</u>	TKG2AH50611	SCREEN FRESNEL	
<u>10</u>	TKE2AA00902S	SCREEN FRAME	
<u>11</u>	TKP2AA1032S	SCREEN FRAME COVER	
<u>12</u>	TKU2AC4101S	BACK CABINET	
<u>13</u>	TXFKP07JSER	TOP SHELF	
<u>14</u>	TKD2AX5011S	FRONT BOARD	
<u>15</u>	TKP2AA1042S	FRONT COVER	
<u>16</u>	TKP2AA1071S	RIGHT SIDE PANEL	
	TKP2AA1072S	LEFT SIDE PANEL	
<u>17</u>	TKX2AA0221S	PLASTIC BASE	
<u>18</u>	TKD2AX2831S	INNER BOARD	
<u>19</u>	TKU2AC4201S	LOWER BACK CABINET	
<u>20</u>	EAST6PH08P6	SPEAKER (TWEETER)	
	TAS2AA0022	SPEAKER (TWEETER)	
<u>21</u>	EAST16P51A6	SPEAKER (WOOFER)	
	TAS2AA0027	SPEAKER (WOOFER)	
<u>22</u>	TKP2AA1101S	SPEAKER BASE COVER	
<u>23</u>	TKP2AA1052S	SPEAKER GRILLE	
<u>24</u>	TLH2AH001	DISTRIBUTOR	

			
<a href="#">25</a>	D9ZZ0000079	FOCUS PACK	
M004	TMX2AX0031	FOCUS BRACKET	
<a href="#">26</a>	TKP2AA1062	SD-A/V PANEL	
M005	TBX2AA0241	DISC BUTTON	
<a href="#">27</a>	TBX2AA0271	KEY BUTTON	
M006	TKP2AA1131	LED PANEL	
M007	TMM2AE10171	GROMMET SQUARE	
<a href="#">28</a>	TXFKP08JSER	A/V REAR COVER	
JK1001	TJB2AA0482	TERMINAL A/V FRONT	
JK3301	TJB2AA0521	CONNECTOR (COMPONENT INPUT)	
JK3302A	TJB2AA0532	CONNECTOR (A/V INPUT)	
JK5001	K1FA119E0001	HDMI CONNECTOR	
OTHER ACCESSORIES			
M008	TQB2AA0506	OWNER'S MANUAL	
M009	EUR7603ZF0	TRANSMITTER REMOTE CONTROL	
M010	UR76EC0303E	BATTERY COVER(REMOTE CONTROL)	

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