

Ref. Designator	Part Number	Description		Qty	
PCB , INPUT		CUP12028			
C731	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C733	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C734	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C738	CCUS1A105KC	CAP , CHIP	1UF 10V K	1	EA
C739	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1	EA
C741	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C742	CCUS1H180JA	CAP , CHIP	18PF 50V J	1	EA
C743	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C744	CCUS1H180JA	CAP , CHIP	18PF 50V J	1	EA
C745	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C746	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C747	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C748	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C751	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C754	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C756	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C758	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C759	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C760	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C761	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C762	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C763	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C765	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C768	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C769	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C770	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C771	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C772	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C773	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C775	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C780	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1	EA
C781	CCUS1H223KC	CAP , CHIP	0.022UF 50V K	1	EA
C782	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1	EA
C783	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1	EA
C784	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1	EA
C787	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1	EA
C789	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1	EA
C790	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1	EA
C791	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C793	CCUS1H101JA	CAP , CHIP	100PF 50V J	1	EA
C794	CCUS1H181JA	CAP , CHIP	180PF 50V J	1	EA
C795	CCUS1H181JA	CAP , CHIP	180PF 50V J	1	EA
C796	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C797	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C798	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C820	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C261	CCEA1EH470T	CAP , ELECT	47UF 25V	1	EA
C262	CCEA1EH470T	CAP , ELECT	47UF 25V	1	EA
C263	CCEA1EH470T	CAP , ELECT	47UF 25V	1	EA
C264	CCEA1EH470T	CAP , ELECT	47UF 25V	1	EA
C265	CCEA1EH470T	CAP , ELECT	47UF 25V	1	EA
C266	CCEA1EH470T	CAP , ELECT	47UF 25V	1	EA
C267	CCEA1EH470T	CAP , ELECT	47UF 25V	1	EA
C268	CCEA1EH470T	CAP , ELECT	47UF 25V	1	EA
C270	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C271	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C272	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C273	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C275	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C276	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C281	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA

Ref. Designator	Part Number	Description		Qty	
PCB , INPUT		CUP12028			
C282	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C283	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C284	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C285	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C286	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C287	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C288	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C292	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C294	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C341	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C342	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C343	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C344	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C345	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C346	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C347	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C348	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C349	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C358	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C359	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C360	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C371	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C372	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C373	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C374	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C375	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C376	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C377	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C378	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C389	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C390	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C600	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C602	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C604	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C606	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C608	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C610	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C612	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C614	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C616	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C618	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C620	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C622	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C624	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C626	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C628	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C630	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C703	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C706	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C715	CCEA1HH4R7T	CAP , ELECT	4.7UF 50V	1	EA
C717	CCEA1HH4R7T	CAP , ELECT	4.7UF 50V	1	EA
C720	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C721	CCEA1AH471T	CAP , ELECT	470UF 10V	1	EA
C724	CCEA1AH471T	CAP , ELECT	470UF 10V	1	EA
C726	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C728	CCEA1AH471T	CAP , ELECT	470UF 10V	1	EA
C730	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C737	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C740	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C749	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C750	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA

Ref. Designator	Part Number	Description		Qty	
PCB , INPUT		CUP12028			
C752	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C753	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C764	CCEA0JH102T	CAP , ELECT	1000UF 6.3V	1	EA
C766	CCEA0JH102T	CAP , ELECT	1000UF 6.3V	1	EA
C732	CCEA0JH332E	CAP , ELECT (KR3, 3300UF/6.3V, 10X20)	3300UF 6.3V	1	EA
<i>Semiconductors</i>					
D201	CVD1SS355T	DIODE , CHIP	1SS355T	1	EA
D203	CVD1SS355T	DIODE , CHIP	1SS355T	1	EA
D204	CVD1SS355T	DIODE , CHIP	1SS355T	1	EA
D206	CVD1SS355T	DIODE , CHIP	1SS355T	1	EA
D207	CVD1SS355T	DIODE , CHIP	1SS355T	1	EA
D208	CVD1SS355T	DIODE , CHIP	1SS355T	1	EA
D209	CVD1SS355T	DIODE , CHIP	1SS355T	1	EA
D210	CVD1SS355T	DIODE , CHIP	1SS355T	1	EA
D211	CVD1SS355T	DIODE , CHIP	1SS355T	1	EA
D212	CVD1SS355T	DIODE , CHIP	1SS355T	1	EA
D213	CVD1SS355T	DIODE , CHIP	1SS355T	1	EA
D214	CVD1SS355T	DIODE , CHIP	1SS355T	1	EA
D215	CVD1SS355T	DIODE , CHIP	1SS355T	1	EA
D216	CVD1SS355T	DIODE , CHIP	1SS355T	1	EA
D701	HVDRLS4148SR	DIODE, SWITCHING, SMD TYPE	RLS4148 TE-11	1	EA
D725	CVD1SS355T	DIODE , CHIP	1SS355T	1	EA
D727	CVD1SS355T	DIODE , CHIP	1SS355T	1	EA
IC20	CVINJW1197CFC2	I.C , VOL WITH INPUT SELECTOR	JRC(NJW1197CFC2)	1	EA
IC21	HVINJM2068MTE1	I.C , DUAL OP AMP	JRC(NJM2068M-TE1)	1	EA
IC22	HVINJM2068MTE1	I.C , DUAL OP AMP	JRC(NJM2068M-TE1)	1	EA
IC23	HVINJM2068MTE1	I.C , DUAL OP AMP	JRC(NJM2068M-TE1)	1	EA
IC24	HVINJM2068MTE1	I.C , DUAL OP AMP	JRC(NJM2068M-TE1)	1	EA
IC25	HVINJM2068MTE1	I.C , DUAL OP AMP	JRC(NJM2068M-TE1)	1	EA
IC31	HVINJM2068MTE1	I.C , DUAL OP AMP	JRC(NJM2068M-TE1)	1	EA
IC32	HVINJM2068MTE1	I.C , DUAL OP AMP	JRC(NJM2068M-TE1)	1	EA
IC33	HVINJM2068MTE1	I.C , DUAL OP AMP	JRC(NJM2068M-TE1)	1	EA
IC34	HVINJM2068MTE1	I.C , DUAL OP AMP	JRC(NJM2068M-TE1)	1	EA
IC70	HVITC74VHC157FT	I.C , 2-CHANNEL MUX	ST(TC74VHC157FT)	1	EA
IC72	HVITC74HCU04AFN	IC , INVERTER	TC74HCU04AFN	1	EA
IC73	HVICS42528-CQ	I.C , CODEC + DIR	CIRRUS LOGIC(CS42528-CQ)	1	EA
IC75	CVICS497004CQZ	I.C , DSP	CIRRUS LOGIC(CS497004CQZ)	1	EA
IC77	CVIM12L16161A5TG	I.C, 16MB SDRAM	ESMT(M12L16161A5TG)	1	EA
IC78	HVINJM2391DL133	I.C , CHIP REGULATOR (+3.3V)	JRC(NJM2391DL1-3.3)	1	EA
IC79	CVIKIA1117S18	I.C , REGULATOR(SOT-223)	KEC(KIA1117S18)	1	EA
IC80	CVITC74VCX541FT	I.C , OCTAL BUS BUFFER	TOSHIBA(TC74VCX541FT)	1	EA
IC88	CVIKIA1117S33	I.C , REGULATOR(SOT-223)	KEC(KIA1117S33)	1	EA
IC89	CVIM24C32WMN6TP	I.C , EEPROM (32 Kbit)	ST(M24C32WMN6TP)	1	EA
IC90	CVIT5CC1	I.C , FLASH U-COM	TOSHIBA(T5CC1)	1	EA
IC91	HVI74ACT04MTR	I.C , HEX INVERTER	ST(74ACT04MTR)	1	EA
IC94	CVIKIA1117S50	I.C , REGULATOR(SOT-223)	KEC(KIA1117S50)	1	EA
Q729	HVTKRC107S	TRANSISTOR , CHIP NPN	KRC107S	1	EA
Q730	HVTKRC107S	TRANSISTOR , CHIP NPN	KRC107S	1	EA
Q732	HVTKRC107S	TRANSISTOR , CHIP NPN	KRC107S	1	EA
Q734	HVTKRC107S	TRANSISTOR , CHIP NPN	KRC107S	1	EA
Q735	HVTKRA107S	TRANSISTOR , PNP, CHIP	KRA107S	1	EA
Q736	HVTKRA107S	TRANSISTOR , PNP, CHIP	KRA107S	1	EA
Q738	CVTKRC103S	TRANSISTOR , CHIP NPN	KRC103S	1	EA
D221	CVD1N4003ST	DIODE , RECT	1N4003	1	EA
D222	CVD1N4003ST	DIODE , RECT	1N4003	1	EA
D703	CVD1N4003ST	DIODE , RECT	1N4003	1	EA
D704	CVD1N4003SRT	DIODE , RECT	1N4003	1	EA
IC87	HVIRE5VT28CATZ	I.C , RESET	RESET	1	EA
Q301	HVTKTC2874BT	TRANSISTOR , MUTE NPN	KTC2874B	1	EA

Ref. Designator	Part Number	Description		Qty	
PCB , INPUT		CUP12028			
Q302	HVTKTC2874BT	TRANSISTOR , MUTE NPN	KTC2874B	1	EA
Q303	HVTKTC2874BT	TRANSISTOR , MUTE NPN	KTC2874B	1	EA
Q304	HVTKTC2874BT	TRANSISTOR , MUTE NPN	KTC2874B	1	EA
Q305	HVTKTC2874BT	TRANSISTOR , MUTE NPN	KTC2874B	1	EA
Q306	HVTKTC2874BT	TRANSISTOR , MUTE NPN	KTC2874B	1	EA
Q307	HVTKTC2874BT	TRANSISTOR , MUTE NPN	KTC2874B	1	EA
Q308	HVTKTC2874BT	TRANSISTOR , MUTE NPN	KTC2874B	1	EA
Q311	HVTKTC2874BT	TRANSISTOR , MUTE NPN	KTC2874B	1	EA
Q731	HVTKSA1175YT	TRANSISTOR PNP	KSA1175Y(DEAD)	1	EA
Q733	HVTKSC2785YT	TRANSISTOR PNP	KSC2785Y	1	EA
Q737	HVTKSC2785YT	TRANSISTOR NPN	KSC2785Y	1	EA
IC36	HVIKIA7808API	I.C , REGULATOR +8V	KEC(KIA7808API)	1	EA
IC37	CVIKIA7908PI	I.C , REGULATOR(TO-220IS)	KEC(KIA7908PI)	1	EA
IC71	CVIST25VF080B504CS2F	I.C , 8 Mbit SPI Serial Flash	SST(SST25VF080B-50-4C-S2AF)	1	EA
<i>Resistors</i>					
RN61	CRJ104DJ103T	RES , 4ARRAY (1608*4)	10K OHM/1608*4	1	EA
RN62	CRJ104DJ103T	RES , 4ARRAY (1608*4)	10K OHM/1608*4	1	EA
RN63	CRJ104DJ103T	RES , 4ARRAY (1608*4)	10K OHM/1608*4	1	EA
RN64	CRJ104DJ101T	RES , 4ARRAY (1608*4)	100 OHM/1608*4	1	EA
RN65	CRJ104DJ101T	RES , 4ARRAY (1608*4)	100 OHM/1608*4	1	EA
RN66	CRJ104DJ101T	RES , 4ARRAY (1608*4)	100 OHM/1608*4	1	EA
RN71	CRJ104DJ103T	RES , 4ARRAY (1608*4)	10K OHM/1608*4	1	EA
RN72	CRJ104DJ103T	RES , 4ARRAY (1608*4)	10K OHM/1608*4	1	EA
RN73	CRJ104DJ103T	RES , 4ARRAY (1608*4)	10K OHM/1608*4	1	EA
RN76	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	1	EA
RN77	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	1	EA
RN78	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	1	EA
RN79	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	1	EA
RN80	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	1	EA
RN81	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	1	EA
RN82	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	1	EA
RN83	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	1	EA
RN84	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	1	EA
RN85	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	1	EA
RN86	CRJ104DJ103T	RES , 4ARRAY (1608*4)	10K OHM/1608*4	1	EA
RN87	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	1	EA
RN88	CRJ104DJ103T	RES , 4ARRAY (1608*4)	10K OHM/1608*4	1	EA
RN89	CRJ104DJ103T	RES , 4ARRAY (1608*4)	10K OHM/1608*4	1	EA
RN90	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	1	EA
RN91	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	1	EA
RN92	CRJ104DJ101T	RES , 4ARRAY (1608*4)	100 OHM/1608*4	1	EA
RN93	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	1	EA
R201	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R202	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R203	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R204	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R205	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R206	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R209	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R210	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R211	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R212	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R213	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R214	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R215	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R216	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R219	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R220	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R221	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA

Ref. Designator	Part Number	Description		Qty	
PCB , INPUT		CUP12028			
R222	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R223	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R224	CRJ10DJ272T	RES , CHIP	2.7K OHM	1	EA
R225	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R226	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R227	CRJ10DJ474T	RES , CHIP	470K OHM	1	EA
R228	CRJ10DJ474T	RES , CHIP	470K OHM	1	EA
R229	CRJ10DJ474T	RES , CHIP	470K OHM	1	EA
R230	CRJ10DJ474T	RES , CHIP	470K OHM	1	EA
R231	CRJ10DJ474T	RES , CHIP	470K OHM	1	EA
R232	CRJ10DJ474T	RES , CHIP	470K OHM	1	EA
R235	CRJ10DJ474T	RES , CHIP	470K OHM	1	EA
R236	CRJ10DJ474T	RES , CHIP	470K OHM	1	EA
R237	CRJ10DJ474T	RES , CHIP	470K OHM	1	EA
R238	CRJ10DJ474T	RES , CHIP	470K OHM	1	EA
R239	CRJ10DJ474T	RES , CHIP	470K OHM	1	EA
R240	CRJ10DJ474T	RES , CHIP	470K OHM	1	EA
R241	CRJ10DJ474T	RES , CHIP	470K OHM	1	EA
R242	CRJ10DJ474T	RES , CHIP	470K OHM	1	EA
R245	CRJ10DJ474T	RES , CHIP	470K OHM	1	EA
R246	CRJ10DJ474T	RES , CHIP	470K OHM	1	EA
R247	CRJ10DJ474T	RES , CHIP	470K OHM	1	EA
R248	CRJ10DJ474T	RES , CHIP	470K OHM	1	EA
R249	CRJ10DJ474T	RES , CHIP	470K OHM	1	EA
R250	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R251	CRJ10DJ474T	RES , CHIP	470K OHM	1	EA
R252	CRJ10DJ474T	RES , CHIP	470K OHM	1	EA
R253	CRJ10DJ4R7T	RES , CHIP	4.7 OHM	1	EA
R254	CRJ10DJ4R7T	RES , CHIP	4.7 OHM	1	EA
R256	CRJ10DJ4R7T	RES , CHIP	4.7 OHM	1	EA
R257	CRJ10DJ4R7T	RES , CHIP	4.7 OHM	1	EA
R258	CRJ10DJ4R7T	RES , CHIP	4.7 OHM	1	EA
R259	CRJ10DJ4R7T	RES , CHIP	4.7 OHM	1	EA
R260	CRJ10DJ4R7T	RES , CHIP	4.7 OHM	1	EA
R261	CRJ10DJ184T	RES , CHIP	184K OHM	1	EA
R262	CRJ10DJ184T	RES , CHIP	184K OHM	1	EA
R263	CRJ10DJ184T	RES , CHIP	184K OHM	1	EA
R264	CRJ10DJ184T	RES , CHIP	184K OHM	1	EA
R265	CRJ10DJ184T	RES , CHIP	184K OHM	1	EA
R266	CRJ10DJ184T	RES , CHIP	184K OHM	1	EA
R267	CRJ10DJ184T	RES , CHIP	184K OHM	1	EA
R268	CRJ10DJ184T	RES , CHIP	184K OHM	1	EA
R271	CRJ10DJ242T	RES , CHIP	2.4K OHM	1	EA
R272	CRJ10DJ242T	RES , CHIP	2.4K OHM	1	EA
R273	CRJ10DJ242T	RES , CHIP	2.4K OHM	1	EA
R274	CRJ10DJ222T	RES , CHIP	2.2K OHM	1	EA
R275	CRJ10DJ242T	RES , CHIP	2.4K OHM	1	EA
R276	CRJ10DJ242T	RES , CHIP	2.4K OHM	1	EA
R277	CRJ10DJ242T	RES , CHIP	2.4K OHM	1	EA
R278	CRJ10DJ242T	RES , CHIP	2.4K OHM	1	EA
R279	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R280	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R281	CRJ10DJ512T	RES , CHIP	5.1K OHM	1	EA
R282	CRJ10DJ512T	RES , CHIP	5.1K OHM	1	EA
R283	CRJ10DJ512T	RES , CHIP	5.1K OHM	1	EA
R284	CRJ10DJ912T	RES , CHIP	9.1K OHM	1	EA
R285	CRJ10DJ512T	RES , CHIP	5.1K OHM	1	EA
R286	CRJ10DJ512T	RES , CHIP	5.1K OHM	1	EA
R287	CRJ10DJ512T	RES , CHIP	5.1K OHM	1	EA
R288	CRJ10DJ512T	RES , CHIP	5.1K OHM	1	EA
R289	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA

Ref. Designator	Part Number	Description		Qty	
PCB , INPUT		CUP12028			
R290	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R291	CRJ10DJ184T	RES , CHIP	180K OHM	1	EA
R292	CRJ10DJ184T	RES , CHIP	180K OHM	1	EA
R293	CRJ10DJ184T	RES , CHIP	180K OHM	1	EA
R294	CRJ10DJ184T	RES , CHIP	180K OHM	1	EA
R295	CRJ10DJ184T	RES , CHIP	180K OHM	1	EA
R296	CRJ10DJ184T	RES , CHIP	180K OHM	1	EA
R297	CRJ10DJ184T	RES , CHIP	180K OHM	1	EA
R298	CRJ10DJ184T	RES , CHIP	180K OHM	1	EA
R301	CRJ10DJ122T	RES , CHIP	1.2K OHM	1	EA
R302	CRJ10DJ122T	RES , CHIP	1.2K OHM	1	EA
R303	CRJ10DJ122T	RES , CHIP	1.2K OHM	1	EA
R304	CRJ10DJ122T	RES , CHIP	1.2K OHM	1	EA
R305	CRJ10DJ272T	RES , CHIP	2.7K OHM	1	EA
R306	CRJ10DJ272T	RES , CHIP	2.7K OHM	1	EA
R307	CRJ10DJ272T	RES , CHIP	2.7K OHM	1	EA
R308	CRJ10DJ272T	RES , CHIP	2.7K OHM	1	EA
R309	CRJ10DJ272T	RES , CHIP	2.7K OHM	1	EA
R310	CRJ10DJ272T	RES , CHIP	2.7K OHM	1	EA
R311	CRJ10DJ272T	RES , CHIP	2.7K OHM	1	EA
R312	CRJ10DJ272T	RES , CHIP	2.7K OHM	1	EA
R313	CRJ10DJ272T	RES , CHIP	2.7K OHM	1	EA
R314	CRJ10DJ272T	RES , CHIP	2.7K OHM	1	EA
R315	CRJ10DJ272T	RES , CHIP	2.7K OHM	1	EA
R316	CRJ10DJ272T	RES , CHIP	2.7K OHM	1	EA
R317	CRJ10DJ561T	RES , CHIP	560 OHM	1	EA
R318	CRJ10DJ392T	RES , CHIP	3.9K OHM	1	EA
R321	CRJ10DJ512T	RES , CHIP	5.1 OHM	1	EA
R322	CRJ10DJ122T	RES , CHIP	1.2 OHM	1	EA
R323	CRJ10DJ122T	RES , CHIP	1.2 OHM	1	EA
R324	CRJ10DJ512T	RES , CHIP	5.1 OHM	1	EA
R325	CRJ10DJ512T	RES , CHIP	5.1 OHM	1	EA
R326	CRJ10DJ122T	RES , CHIP	1.2 OHM	1	EA
R327	CRJ10DJ122T	RES , CHIP	1.2 OHM	1	EA
R328	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R329	CRJ10DJ512T	RES , CHIP	5.1K OHM	1	EA
R330	CRJ10DJ122T	RES , CHIP	1.2K OHM	1	EA
R331	CRJ10DJ122T	RES , CHIP	1.2K OHM	1	EA
R332	CRJ10DJ512T	RES , CHIP	5.1K OHM	1	EA
R333	CRJ10DJ512T	RES , CHIP	5.1K OHM	1	EA
R334	CRJ10DJ122T	RES , CHIP	1.2K OHM	1	EA
R335	CRJ10DJ122T	RES , CHIP	1.2K OHM	1	EA
R336	CRJ10DJ512T	RES , CHIP	5.1K OHM	1	EA
R341	CRJ10DJ122T	RES , CHIP	1.2K OHM	1	EA
R344	CRJ10DJ122T	RES , CHIP	1.2K OHM	1	EA
R345	CRJ10DJ122T	RES , CHIP	1.2K OHM	1	EA
R348	CRJ10DJ122T	RES , CHIP	1.2K OHM	1	EA
R349	CRJ10DJ122T	RES , CHIP	1.2K OHM	1	EA
R352	CRJ10DJ122T	RES , CHIP	1.2K OHM	1	EA
R353	CRJ10DJ122T	RES , CHIP	1.2K OHM	1	EA
R356	CRJ10DJ122T	RES , CHIP	1.2K OHM	1	EA
R361	CRJ10DJ104T	RES , CHIP	100K OHM	1	EA
R362	CRJ10DJ104T	RES , CHIP	100K OHM	1	EA
R363	CRJ10DJ104T	RES , CHIP	100K OHM	1	EA
R364	CRJ10DJ104T	RES , CHIP	100K OHM	1	EA
R365	CRJ10DJ104T	RES , CHIP	100K OHM	1	EA
R366	CRJ10DJ104T	RES , CHIP	100K OHM	1	EA
R367	CRJ10DJ104T	RES , CHIP	100K OHM	1	EA
R368	CRJ10DJ104T	RES , CHIP	100K OHM	1	EA
R371	CRJ10DJ512T	RES , CHIP	5.1K OHM	1	EA
R372	CRJ10DJ512T	RES , CHIP	5.1K OHM	1	EA

Ref. Designator	Part Number	Description		Qty	
PCB , INPUT		CUP12028			
R373	CRJ10DJ512T	RES , CHIP	5.1K OHM	1	EA
R374	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R375	CRJ10DJ512T	RES , CHIP	5.1K OHM	1	EA
R376	CRJ10DJ512T	RES , CHIP	5.1K OHM	1	EA
R377	CRJ10DJ512T	RES , CHIP	5.1K OHM	1	EA
R378	CRJ10DJ512T	RES , CHIP	5.1K OHM	1	EA
R381	CRJ10DJ561T	RES , CHIP	560 OHM	1	EA
R382	CRJ10DJ561T	RES , CHIP	560 OHM	1	EA
R383	CRJ10DJ561T	RES , CHIP	560 OHM	1	EA
R384	CRJ10DJ561T	RES , CHIP	560 OHM	1	EA
R385	CRJ10DJ561T	RES , CHIP	560 OHM	1	EA
R386	CRJ10DJ561T	RES , CHIP	560 OHM	1	EA
R387	CRJ10DJ561T	RES , CHIP	560 OHM	1	EA
R388	CRJ10DJ561T	RES , CHIP	560 OHM	1	EA
R389	CRJ10DJ184T	RES , CHIP	180K OHM	1	EA
R390	CRJ10DJ184T	RES , CHIP	180K OHM	1	EA
R391	CRJ10DJ392T	RES , CHIP	3.9K OHM	1	EA
R392	CRJ10DJ392T	RES , CHIP	3.9K OHM	1	EA
R393	CRJ10DJ392T	RES , CHIP	3.9K OHM	1	EA
R394	CRJ10DJ392T	RES , CHIP	3.9K OHM	1	EA
R395	CRJ10DJ392T	RES , CHIP	3.9K OHM	1	EA
R396	CRJ10DJ392T	RES , CHIP	3.9K OHM	1	EA
R397	CRJ10DJ392T	RES , CHIP	3.9K OHM	1	EA
R398	CRJ10DJ392T	RES , CHIP	3.9K OHM	1	EA
R531	CRJ10DJ152T	RES , CHIP	1.5K OHM	1	EA
R532	CRJ10DJ152T	RES , CHIP	1.5K OHM	1	EA
R533	CRJ10DJ152T	RES , CHIP	1.5K OHM	1	EA
R534	CRJ10DJ152T	RES , CHIP	1.5K OHM	1	EA
R700	CRJ10DJ330T	RES , CHIP	33 OHM	1	EA
R701	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R702	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R704	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R709	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R710	CRJ10DJ103T	RES , CHIP	2.2K OHM	1	EA
R711	CRJ10DJ560T	RES , CHIP	2.2K OHM	1	EA
R712	CRJ10DJ820T	RES , CHIP	82 OHM	1	EA
R713	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R714	CRJ10DJ104T	RES , CHIP	100K OHM	1	EA
R715	CRJ10DJ104T	RES , CHIP	100K OHM	1	EA
R716	CRJ10DJ472T	RES , CHIP	4.7K OHM	1	EA
R717	CRJ10DJ0R0T	RES , CHIP	0 OHM	1	EA
R718	CRJ10DJ332T	RES , CHIP	3.3K OHM	1	EA
R719	CRJ10DJ0R0T	RES , CHIP	0 OHM	1	EA
R720	CRJ10DJ0R0T	RES , CHIP	0 OHM	1	EA
R721	CRJ10DJ330T	RES , CHIP	33 OHM	1	EA
R724	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R725	CRJ10DJ0R0T	RES , CHIP	0 OHM	1	EA
R726	CRJ10DJ100T	RES , CHIP	10 OHM	1	EA
R727	CRJ10DJ0R0T	RES , CHIP	0 OHM	1	EA
R728	CRJ10DJ102T	RES , CHIP	1K OHM	1	EA
R729	CRJ10DJ102T	RES , CHIP	1K OHM	1	EA
R730	CRJ10DJ102T	RES , CHIP	1K OHM	1	EA
R731	CRJ10DJ102T	RES , CHIP	1K OHM	1	EA
R732	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R733	CRJ10DJ100T	RES , CHIP	10 OHM	1	EA
R736	CRJ10DJ241T	RES , CHIP	240 OHM	1	EA
R737	CRJ10DJ330T	RES , CHIP	33 OHM	1	EA
R738	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R739	CRJ10DJ0R0T	RES , CHIP	0 OHM	1	EA
R740	CRJ10DJ330T	RES , CHIP	33 OHM	1	EA
R741	CRJ10DJ330T	RES , CHIP	33 OHM	1	EA

Ref. Designator	Part Number	Description		Qty	
PCB , INPUT		CUP12028			
R742	CRJ10DJ330T	RES , CHIP	33 OHM	1	EA
R743	CRJ10DJ330T	RES , CHIP	33 OHM	1	EA
R747	CRJ10DJ330T	RES , CHIP	33 OHM	1	EA
R748	CRJ10DJ330T	RES , CHIP	33 OHM	1	EA
R749	CRJ10DJ750T	RES , CHIP	75 OHM	1	EA
R751	CRJ10DJ820T	RES , CHIP	82 OHM	1	EA
R752	CRJ10DJ330T	RES , CHIP	33 OHM	1	EA
R753	CRJ10DJ103T	RES , CHIP	100K OHM	1	EA
R754	CRJ10DJ103T	RES , CHIP	100K OHM	1	EA
R755	CRJ10DJ750T	RES , CHIP	75 OHM	1	EA
R756	CRJ10DJ750T	RES , CHIP	75 OHM	1	EA
R757	CRJ10DJ750T	RES , CHIP	75 OHM	1	EA
R758	CRJ10DJ103T	RES , CHIP	100K OHM	1	EA
R759	CRJ10DJ820T	RES , CHIP	82 OHM	1	EA
R760	CRJ10DJ105T	RES , CHIP	1M OHM	1	EA
R761	CRJ10DJ102T	RES , CHIP	1K OHM	1	EA
R762	CRJ10DJ102T	RES , CHIP	1K OHM	1	EA
R763	CRJ10DJ472T	RES , CHIP	4.7K OHM	1	EA
R765	CRJ10DJ103T	RES , CHIP	100K OHM	1	EA
R766	CRJ10DJ103T	RES , CHIP	100K OHM	1	EA
R767	CRJ10DF5101T	RES. CHIP (5.1K 1%)	5.1K OHM 1%	1	EA
R768	CRJ10DJ0R0T	RES , CHIP	0 OHM	1	EA
R770	CRJ10DJ100T	RES , CHIP	10 OHM	1	EA
R771	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R772	CRJ10DJ473T	RES , CHIP	47K OHM	1	EA
R773	CRJ10DJ332T	RES , CHIP	3.3K OHM	1	EA
R774	CRJ10DJ332T	RES , CHIP	3.3K OHM	1	EA
R775	CRJ10DJ332T	RES , CHIP	3.3K OHM	1	EA
R776	CRJ10DJ332T	RES , CHIP	3.3K OHM	1	EA
R777	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R778	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R779	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R780	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R781	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R782	CRJ10DJ272T	RES , CHIP	2.7K OHM	1	EA
R783	CRJ10DJ272T	RES , CHIP	2.7K OHM	1	EA
R784	CRJ10DJ473T	RES , CHIP	47K OHM	1	EA
R785	CRJ10DJ104T	RES , CHIP	100K OHM	1	EA
R786	CRJ10DJ471T	RES , CHIP	470 OHM	1	EA
R787	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R788	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R789	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R791	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R792	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R794	CRJ10DJ102T	RES , CHIP	1K OHM	1	EA
R795	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R796	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R797	CRJ10DJ1R0T	RES , CHIP	1 OHM	1	EA
R799	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R800	CRJ10DJ332T	RES , CHIP	3.3K OHM	1	EA
R801	CRJ10DJ332T	RES , CHIP	3.3K OHM	1	EA
R802	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R810	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R811	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R812	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R813	CRJ10DJ330T	RES , CHIP	33 OHM	1	EA
R814	CRJ10DJ330T	RES , CHIP	33 OHM	1	EA
R815	CRJ10DJ330T	RES , CHIP	33 OHM	1	EA
R816	CRJ10DJ330T	RES , CHIP	33 OHM	1	EA

Ref. Designator	Part Number	Description		Qty	
PCB , INPUT		CUP12028			
<i>Miscellaneous</i>					
X702	HOX27000E180S	CRYSTAL , CHIP(27MHZ,SMD)	27MHz	1	EA
L701	CLZ9Z014Z	FERRITE , CHIP BEAD(60ohm, 4516)	HCB4516KF-600T60	1	EA
L702	CLZ9Z014Z	FERRITE , CHIP BEAD(60ohm, 4516)	HCB4516KF-600T60	1	EA
L703	CLZ9Z014Z	FERRITE , CHIP BEAD(60ohm, 4516)	HCB4516KF-600T60	1	EA
L704	CLZ9R005Z	FERRITE , CHIP BEAD(60ohm, 1608)	HCB1608KF-600T30	1	EA
L705	CLZ9R005Z	FERRITE , CHIP BEAD(60ohm, 1608)	HCB1608KF-600T30	1	EA
CN11	CJP17GA193ZY	WAFER, CARD CABLE (SMD)	WAFER	1	EA
CN15	CJP17GA193ZY	WAFER, CARD CABLE (SMD)	WAFER	1	EA
CN16	CJP13GA193ZY	WAFER, CARD CABLE (SMD)	WAFER	1	EA
CN10	CJP05GB46ZY	WAFER	WAFER	1	EA
CN12	CJP21GA115ZY	WAFER , CARD CABLE	WAFER	1	EA
CN13	CJP13GA115ZY	WAFER , CARD CABLE	WAFER	1	EA
CN14	CJP17GA117ZY	WAFER	WAFER	1	EA
CN17	CJP06GB142ZB	PIN HEADER(6P, 2.54mm)	HEADER	1	EA
CN18	CJP05GA19ZY	WAFER , STRAIGHT	WAFER	1	EA
CN19	CJP09GA117ZY	WAFER	WAFER	1	EA
CN20	CJP05GA01ZY	WAFER(YMW025-05R)	WAFER	1	EA
CN21	CJP07GA117ZY	WAFER	WAFER	1	EA
CN22	CJP07GA19ZY	WAFER , STRAIGHT(7PIN)	WAFER	1	EA
CN72	CJP17GA117ZY	WAFER	WAFER	1	EA
JK11	CJJ4R019W	TERMINAL , IN/OUT	JACK	1	EA
JK12	CJJ4P014W	JACK , IN/OUT	JACK	1	EA
JK13	CJJ4R019W	TERMINAL , IN/OUT	JACK	1	EA
JK14	CJJ4R037W	JACK , BOARD	JACK	1	EA
JK78	CJJ4S022Z	JACK , BOARD	JACK	1	EA
JW21	CWE7202070AA	WIRE ASS'Y	WIRE	1	EA
X701	HOX24576E150TF	CRYSTAL	24.576MHz	1	EA
PCB , VIDEO		CUP12033			
<i>Capacitors</i>					
C409	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C419	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C425	CCUS1H102KC	CAP , CHIP	1000PF 50V J	1	EA
C455	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C456	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C459	CCUS1H102KC	CAP , CHIP	1000PF 50V J	1	EA
C460	CCUS1H102KC	CAP , CHIP	1000PF 50V J	1	EA
C461	CCUS1H223KC	CAP , CHIP	0.022UF 50V K	1	EA
C463	CCUS1H223KC	CAP , CHIP	0.022UF 50V K	1	EA
C465	CCUS1H470JA	CAP , CHIP	47PF 50V J	1	EA
C466	CCUS1H223KC	CAP , CHIP	0.022UF 50V K	1	EA
C468	CCUS1H223KC	CAP , CHIP	0.022UF 50V K	1	EA
C470	CCUS1H470JA	CAP , CHIP	47PF 50V J	1	EA
C471	CCUS1H223KC	CAP , CHIP	0.022UF 50V K	1	EA
C473	CCUS1H223KC	CAP , CHIP	0.022UF 50V K	1	EA
C475	CCUS1H470JA	CAP , CHIP	47PF 50V J	1	EA
C476	CCUS1H223KC	CAP , CHIP	0.022UF 50V K	1	EA
C477	CCUS1H271JA	CAP , CHIP	270PF 50V J	1	EA
C478	CCUS1H271JA	CAP , CHIP	270PF 50V J	1	EA
C481	CCUS1H102KC	CAP , CHIP	1000PF 50V J	1	EA
C482	CCUS1H102KC	CAP , CHIP	1000PF 50V J	1	EA
C483	CCUS1H102KC	CAP , CHIP	1000PF 50V J	1	EA
C484	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C489	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C491	CCUS1H101JA	CAP , CHIP	100PF 50V J	1	EA
C492	CCUS1H101JA	CAP , CHIP	100PF 50V J	1	EA
C493	CCUS1H101JA	CAP , CHIP	100PF 50V J	1	EA

Ref. Designator	Part Number	Description		Qty	
PCB , VIDEO		CUP12033			
C494	CCUS1H331JA	CAP , CHIP	330PF 50V J	1	EA
C495	CCUS1H331JA	CAP , CHIP	330PF 50V J	1	EA
C496	CCUS1H223KC	CAP , CHIP	0.022UF 50V K	1	EA
C497	CCUS1H122KC	CAP , CHIP	1200PF 50V J	1	EA
C498	CCUS1H122KC	CAP , CHIP	1200PF 50V J	1	EA
C500	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C501	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C502	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C503	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C504	CCUS1H181JA	CAP , CHIP	180PF 50V J	1	EA
C505	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C506	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C507	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C508	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C509	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C510	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C511	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C516	CCUS1H473KC	CAP , CHIP	0.047UF 50V K	1	EA
C517	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C518	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C520	CCUS1A105KC	CAP , CHIP	1UF 10V K	1	EA
C525	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C527	CCUS1H223KC	CAP , CHIP	0.022UF 50V K	1	EA
C531	CCUS1H223KC	CAP , CHIP	0.022UF 50V K	1	EA
C533	CCUS1H220JA	CAP , CHIP	22PF 50V J	1	EA
C534	CCUS1H220JA	CAP , CHIP	22PF 50V J	1	EA
C535	CCUS1H471JA	CAP , CHIP	470PF 50V J	1	EA
C536	CCUS1H471JA	CAP , CHIP	470PF 50V J	1	EA
C539	CCUS1H223KC	CAP , CHIP	0.022UF 50V K	1	EA
C548	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C556	CCUS1H070DA	CAP , CHIP	7PF 50V D	1	EA
C557	CCUS1H120JA	CAP , CHIP	12PF 50V J	1	EA
C558	CCUS1H223KC	CAP , CHIP	0.022UF 50V K	1	EA
C559	CCUS1H151JA	CAP , CHIP	150PF 50V J	1	EA
C570	CCUS1H180JA	CAP , CHIP	18PF 50V J	1	EA
C571	CCUS1H180JA	CAP , CHIP	18PF 50V J	1	EA
C572	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C576	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C577	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C582	CCUS1H150JA	CAP , CHIP	15PF 50V J	1	EA
C583	CCUS1H150JA	CAP , CHIP	15PF 50V J	1	EA
C585	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C601	CCUS1H020CA	CAP , CHIP	2PF 50V C	1	EA
C603	CCUS1H020CA	CAP , CHIP	2PF 50V C	1	EA
C605	CCUS1H020CA	CAP , CHIP	2PF 50V C	1	EA
C611	CCUS1H220JA	CAP , CHIP	22PF 50V J	1	EA
C613	CCUS1H220JA	CAP , CHIP	22PF 50V J	1	EA
C615	CCUS1H220JA	CAP , CHIP	22PF 50V J	1	EA
C621	CCUS1H220JA	CAP , CHIP	22PF 50V J	1	EA
C623	CCUS1H220JA	CAP , CHIP	22PF 50V J	1	EA
C625	CCUS1H220JA	CAP , CHIP	22PF 50V J	1	EA
C631	CCUS1H220JA	CAP , CHIP	22PF 50V J	1	EA
C632	CCUS1H220JA	CAP , CHIP	22PF 50V J	1	EA
C633	CCUS1H220JA	CAP , CHIP	22PF 50V J	1	EA
C634	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C404	CCEA0JH102T	CAP , ELECT	10UF 50V	1	EA
C405	CCEA1HH100T	CAP , ELECT	1000UF 6.3V	1	EA
C406	CCEA0JH102T	CAP , ELECT	10UF 50V	1	EA
C408	CCEA1CH101T	CAP , ELECT	10UF 50V	1	EA
C411	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C412	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA

Ref. Designator	Part Number	Description		Qty	
PCB , VIDEO		CUP12033			
C413	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C414	CCEA1CKS100T	CAP , ELECT	10UF 16V	1	EA
C415	CCEA1CKS100T	CAP , ELECT	10UF 16V	1	EA
C418	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C421	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C422	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C423	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C450	CCEA1CKS100T	CAP , ELECT	10UF 16V	1	EA
C451	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C452	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C453	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C457	CCEA1CKS100T	CAP , ELECT	10UF 16V	1	EA
C458	CCEA1CKS100T	CAP , ELECT	10UF 16V	1	EA
C462	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C464	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C467	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C469	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C472	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C474	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C480	CCEA1CKS220T	CAP , ELECT	22UF 16V SMALL SIZE	1	EA
C490	CCEA1CKS100T	CAP , ELECT	10UF 16V	1	EA
C499	CCEA1CKS100T	CAP , ELECT	10UF 16V	1	EA
C512	CCEA1CKS220T	CAP , ELECT	22UF 16V SMALL SIZE	1	EA
C519	CCEA1CH471T	CAP , ELECT	470UF 16V	1	EA
C526	CCEA1CKS101T	CAP , ELECT	100UF 16V	1	EA
C530	CCEA1AH331T	CAP , ELECT	330UF 10V	1	EA
C532	CCEA1CH221T	CAP , ELECT	220UF 16V	1	EA
C540	CCEA1CKS100T	CAP , ELECT	10UF 16V	1	EA
C541	CCEA1CKS100T	CAP , ELECT	10UF 16V	1	EA
C545	CCEA1CKS220T	CAP , ELECT	22UF 16V SMALL SIZE	1	EA
C546	CCEA1CKS220T	CAP , ELECT	22UF 16V SMALL SIZE	1	EA
C547	CCEA1CH471T	CAP , ELECT	470UF 16V	1	EA
C561	CCEA1CKS100T	CAP , ELECT	10UF 16V	1	EA
C565	CCEA1CKS100T	CAP , ELECT	10UF 16V	1	EA
C566	CCEA1CKS100T	CAP , ELECT	10UF 16V	1	EA
C574	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C575	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C584	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C602	CCEA0JH102T	CAP , ELECT	1000UF 6.3V	1	EA
C604	CCEA0JH102T	CAP , ELECT	1000UF 6.3V	1	EA
C606	CCEA0JH102T	CAP , ELECT	1000UF 6.3V	1	EA
Semiconductors					
D404	HVDRB160L60TE25	DIODE , SCHOTTKY BARRIER HK	RB160L-60TE25	1	EA
D500	CVD1SS355T	DIODE , CHIP	1SS355T	1	EA
D501	CVD1SS355T	DIODE , CHIP	1SS355T	1	EA
IC41	CVINJM2595MTE1	I.C , VIDEO S/W	JRC(NJM2595MTE1)	1	EA
IC42	CVINJM2595MTE1	I.C , VIDEO S/W	JRC(NJM2595MTE1)	1	EA
IC43	CVINJM2595MTE1	I.C , VIDEO S/W	JRC(NJM2595MTE1)	1	EA
IC44	CVIKIA1117S33	I.C , REGULATOR(SOT-223)	KEC(KIA1117S33-RTK/P)	1	EA
IC51	CVIXMDTIC	I.C , XM V3B	XM(XMDTIC V3B)	1	EA
IC52	CVIAK4384ET	I.C , ADC	ASAHI KASEI (AK4384)	1	EA
IC53	HVINJM2068MTE1	I.C , DUAL OP AMP	JRC(NJM2068M-TE1)	1	EA
IC54	CVIKIA1117S33	I.C , REGULATOR(SOT-223)	KEC(KIA1117S33-RTK/P)	1	EA
IC57	HVINJM2068MTE1	I.C , DUAL OP AMP	JRC(NJM2068M-TE1)	1	EA
IC58	HVINJM2068MTE1	I.C , DUAL OP AMP	JRC(NJM2068M-TE1)	1	EA
IC59	HVINJM2137MTE1	I.C , DUAL OP AMP	JRC(NJM2137M-TE1)	1	EA
IC60	CVIKIA1117S50	I.C , REGULATOR(SOT-223)	KEC(KIA1117S50-RTK/P)	1	EA
Q502	HVTKRC102S	TRANSISTOR, CHIP	KRC102S	1	EA
D502	CVD1N4003SRT	DIODE , RECT	1N4003	1	EA

Ref. Designator	Part Number	Description		Qty	
PCB , VIDEO		CUP12033			
IC47	CVITMP86F409NG	I.C , IPOD UART BUFFER	TOSHIBA(TMP86F409NG)	1	EA
<i>Resistors</i>					
RN50	CRJ104DJ220T	RES , 4ARRAY (1608*4)	22 OHM	1	EA
RN51	CRJ104DJ101T	RES , 4ARRAY (1608*4)	100 OHM	1	EA
RN52	CRJ102DJ220T	RES , 2ARRAY (1608*2)	22 OHM	1	EA
R401	CRJ10DJ0R0T	RES , CHIP	0 OHM	1	EA
R402	CRJ10DJ0R0T	RES , CHIP	0 OHM	1	EA
R403	CRJ10DJ0R0T	RES , CHIP	0 OHM	1	EA
R407	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R408	CRJ10DJ102T	RES , CHIP	1K OHM	1	EA
R409	CRJ10DJ102T	RES , CHIP	1K OHM	1	EA
R411	CRJ10DJ750T	RES , CHIP	75 OHM	1	EA
R412	CRJ10DJ750T	RES , CHIP	75 OHM	1	EA
R413	CRJ10DJ750T	RES , CHIP	75 OHM	1	EA
R414	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R415	CRJ10DJ0R0T	RES , CHIP	0 OHM	1	EA
R416	CRJ10DJ0R0T	RES , CHIP	0 OHM	1	EA
R417	CRJ10DJ0R0T	RES , CHIP	0 OHM	1	EA
R418	CRJ10DJ0R0T	RES , CHIP	0 OHM	1	EA
R419	CRJ10DJ0R0T	RES , CHIP	0 OHM	1	EA
R420	CRJ10DJ0R0T	RES , CHIP	0 OHM	1	EA
R421	CRJ10DJ750T	RES , CHIP	75 OHM	1	EA
R422	CRJ10DJ750T	RES , CHIP	75 OHM	1	EA
R423	CRJ10DJ750T	RES , CHIP	75 OHM	1	EA
R442	CRJ10DJ472T	RES , CHIP	4.7K OHM	1	EA
R451	CRJ10DJ750T	RES , CHIP	75 OHM	1	EA
R452	CRJ10DJ750T	RES , CHIP	75 OHM	1	EA
R453	CRJ10DJ750T	RES , CHIP	75 OHM	1	EA
R462	CRJ10DJ750T	RES , CHIP	75 OHM	1	EA
R463	CRJ10DJ750T	RES , CHIP	75 OHM	1	EA
R467	CRJ10DJ750T	RES , CHIP	75 OHM	1	EA
R468	CRJ10DJ750T	RES , CHIP	75 OHM	1	EA
R472	CRJ10DJ750T	RES , CHIP	75 OHM	1	EA
R473	CRJ10DJ750T	RES , CHIP	75 OHM	1	EA
R474	CRJ10DJ332T	RES , CHIP	3.3K OHM	1	EA
R475	CRJ10DJ332T	RES , CHIP	3.3K OHM	1	EA
R476	CRJ10DJ332T	RES , CHIP	3.3K OHM	1	EA
R477	CRJ10DJ332T	RES , CHIP	3.3K OHM	1	EA
R478	CRJ10DJ104T	RES , CHIP	100K OHM	1	EA
R479	CRJ10DJ104T	RES , CHIP	100K OHM	1	EA
R481	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R482	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R483	CRJ10DJ152T	RES , CHIP	1.5K OHM	1	EA
R484	CRJ10DJ152T	RES , CHIP	1.5K OHM	1	EA
R486	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R491	CRJ10DJ750T	RES , CHIP	75 OHM	1	EA
R492	CRJ10DJ750T	RES , CHIP	75 OHM	1	EA
R493	CRJ10DJ750T	RES , CHIP	75 OHM	1	EA
R500	CRJ10DJ4R7T	RES , CHIP	4.7 OHM	1	EA
R503	CRJ10CJ0R0T	RES , CHIP	0 OHM	1	EA
R504	CRJ10DJ4R7T	RES , CHIP	4.7 OHM	1	EA
R505	CRJ10DJ223T	RES , CHIP	22K OHM	1	EA
R506	CRJ10DJ102T	RES , CHIP	1K OHM	1	EA
R507	CRJ10DJ102T	RES , CHIP	1K OHM	1	EA
R508	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R509	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R510	CRJ10DJ104T	RES , CHIP	100K OHM	1	EA
R511	CRJ10DJ104T	RES , CHIP	100K OHM	1	EA
R512	CRJ10DJ104T	RES , CHIP	100K OHM	1	EA

Ref. Designator	Part Number	Description		Qty	
PCB , VIDEO		CUP12033			
R513	CRJ10DJ104T	RES , CHIP	100K OHM	1	EA
R514	CRJ10DJ223T	RES , CHIP	22K OHM	1	EA
R515	CRJ10DJ223T	RES , CHIP	22K OHM	1	EA
R516	CRJ10DJ223T	RES , CHIP	22K OHM	1	EA
R517	CRJ10DJ222T	RES , CHIP	2.2K OHM	1	EA
R518	CRJ10DJ474T	RES , CHIP	470K OHM	1	EA
R519	CRJ10DJ0R0T	RES , CHIP	0 OHM	1	EA
R521	CRJ10DJ223T	RES , CHIP	22K OHM	1	EA
R522	CRJ10DJ223T	RES , CHIP	22K OHM	1	EA
R523	CRJ10DJ223T	RES , CHIP	22K OHM	1	EA
R524	CRJ10DJ0R0T	RES , CHIP	0 OHM	1	EA
R525	CRJ10DJ105T	RES , CHIP	1M OHM	1	EA
R526	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R527	CRJ10DJ0R0T	RES , CHIP	0 OHM	1	EA
R528	CRJ10DJ223T	RES , CHIP	22K OHM	1	EA
R529	CRJ10DJ223T	RES , CHIP	22K OHM	1	EA
R530	CRJ10DJ223T	RES , CHIP	22K OHM	1	EA
R534	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R535	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R536	CRJ10DJ222T	RES , CHIP	2.2K OHM	1	EA
R537	CRJ10DJ473T	RES , CHIP	47K OHM	1	EA
R538	CRJ10DJ473T	RES , CHIP	47K OHM	1	EA
R539	CRJ10DJ220T	RES , CHIP	22 OHM	1	EA
R540	CRJ10DJ220T	RES , CHIP	22 OHM	1	EA
R541	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R542	CRJ18AJ221T	RES , CHIP	220 OHM	1	EA
R543	CRJ18AJ221T	RES , CHIP	220 OHM	1	EA
R544	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R545	CRJ10DJ222T	RES , CHIP	2.2K OHM	1	EA
R547	CRJ10DJ222T	RES , CHIP	2.2K OHM	1	EA
R548	CRJ10DJ222T	RES , CHIP	2.2K OHM	1	EA
R552	CRJ10DJ474T	RES , CHIP	470K OHM	1	EA
R553	CRJ10DJ474T	RES , CHIP	470K OHM	1	EA
R554	CRJ10DJ472T	RES , CHIP	4.7K OHM	1	EA
R555	CRJ10DJ202T	RES , CHIP	2K OHM	1	EA
R556	CRJ10DJ202T	RES , CHIP	2K OHM	1	EA
R557	CRJ10DJ821T	RES , CHIP	820 OHM	1	EA
R558	CRJ10DJ821T	RES , CHIP	820 OHM	1	EA
R562	CRJ10DJ271T	RES , CHIP	270 OHM	1	EA
R563	CRJ10DJ271T	RES , CHIP	270 OHM	1	EA
R566	CRJ10DJ473T	RES , CHIP	47K OHM	1	EA
R569	CRJ10DJ0R0T	RES , CHIP	0 OHM	1	EA
R571	CRJ10DF7502T	RES , CHIP(75K, 1608, 1%)	75K OHM 1%	1	EA
R572	CRJ10DF4992T	RES , CHIP(49.9K, 1608, 1%)	49.9K OHM 1%	1	EA
R573	CRJ10DF7502T	RES , CHIP(75K, 1608, 1%)	75K OHM 1%	1	EA
R574	CRJ10DF4992T	RES , CHIP(49.9K, 1608, 1%)	49.9K OHM 1%	1	EA
R575	CRJ10DJ750T	RES , CHIP	75 OHM	1	EA
R576	CRJ10DJ750T	RES , CHIP	75 OHM	1	EA
R577	CRJ10DJ750T	RES , CHIP	75 OHM	1	EA
R601	CRJ10DJ0R0T	RES , CHIP	0 OHM	1	EA
R603	CRJ10DJ0R0T	RES , CHIP	0 OHM	1	EA
R605	CRJ10DJ0R0T	RES , CHIP	0 OHM	1	EA
R611	CRJ10DJ750T	RES , CHIP	75 OHM	1	EA
R612	CRJ10DJ750T	RES , CHIP	75 OHM	1	EA
R613	CRJ10DJ750T	RES , CHIP	75 OHM	1	EA
R621	CRJ10DJ750T	RES , CHIP	75 OHM	1	EA
R622	CRJ10DJ750T	RES , CHIP	75 OHM	1	EA
R623	CRJ10DJ750T	RES , CHIP	75 OHM	1	EA
R631	CRJ10DJ750T	RES , CHIP	75 OHM	1	EA
R632	CRJ10DJ750T	RES , CHIP	75 OHM	1	EA
R633	CRJ10DJ750T	RES , CHIP	75 OHM	1	EA

Ref. Designator	Part Number	Description		Qty	
PCB , VIDEO		CUP12033			
R626	CRG1ANJ100H	RES , METAL OXIDE FILM	10 OHM 1W J	1	EA
<i>Miscellaneous</i>					
X501	COX45158E180S	X-TAL, 45.1584MHz (SMD)	1000UF 6.3V	1	EA
L401	CLZ9R005Z	FERRITE , CHIP BEAD(60ohm, 1608)	HCB1608KF-600T30	1	EA
L402	CLZ9R005Z	FERRITE , CHIP BEAD(60ohm, 1608)	HCB1608KF-600T30	1	EA
L403	CLZ9Z014Z	FERRITE , CHIP BEAD(60ohm, 4516)	HCB4516KF-600T60	1	EA
L502	CLQ06E2R7KRZ	INDUCTOR , CHIP	2.7UH	1	EA
L503	CLZ9Z014Z	FERRITE , CHIP BEAD(60ohm, 4516)	HCB4516KF-600T60	1	EA
L504	CLZ9Z014Z	FERRITE , CHIP BEAD(60ohm, 4516)	HCB4516KF-600T60	1	EA
BN14	CJP17GA117ZY	WAFER	WAFER	1	EA
BN19	CJP09GA117ZY	WAFER	WAFER	1	EA
BN21	CJP07GA117ZY	WAFER	WAFER	1	EA
BN42	CJP12GB142ZB	PIN HEADER(12PIN, 2.54mm, ANGLE)	PIN HEADER	1	EA
BN50	CJP05GA19ZY	WAFER , STRAIGHT	WAFER	1	EA
BN81	CJP34TT215ZB	PIN HEADER , DUAL ROW	PIN HEADER	1	EA
CN41	CJP07GA19ZY	WAFER , STRAIGHT(7PIN)	WAFER	1	EA
CN42	CJP12GB143ZB	PIN HEADER , DIP SOCKET	PIN HEADER	1	EA
CN43	CJP05GA01ZY	WAFER(YMW025-05R)	WAFER	1	EA
CN47	CJP07GA117ZY	WAFER	WAFER	1	EA
ET60	CMC1A214	PLATE , EARTH	PLATE	1	EA
JK40	CJJ9P003Z	JACK , S-VIDEO+CVBS	JACK	1	EA
JK41	CJJ9R001Z	JACK , S-VIDEO+CVBS	JACK	1	EA
JK42	CJJ9L010Z	JACK , IPOD CONNECTOR	JACK	1	EA
JK51	CJJ9L006Z	JACK , XM	JACK	1	EA
JK62	CJJ4R045Z	JACK , BOARD	JACK	1	EA
JK69	CJJ4R045Z	JACK , BOARD	JACK	1	EA
JW51	CWE7202070AA	WIRE ASS'Y	WIRE	1	EA
X503	HOX08000E160C	CRYSTAL 8MHz	8Mhz	1	EA
HDMI PCB		(CUP12035)			
<i>Capacitors</i>					
C601	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C602	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C603	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C604	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C605	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C606	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C607	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C610	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C611	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C612	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C613	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C614	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C615	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C616	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C617	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C618	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C619	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C620	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C621	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C622	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C623	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C624	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C625	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C626	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C627	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C628	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA

Ref. Designator	Part Number	Description		Qty	
HDMI PCB		(CUP12035)			
C629	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C634	CCSJA1C100B	CAP , CHIP TANTAL(A TYPE, 10uF/16V, ELNA)	10UF 16V	1	EA
C635	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C636	CCSJA1C100B	CAP , CHIP TANTAL(A TYPE, 10uF/16V, ELNA)	10UF 16V	1	EA
C637	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C638	CCSJA1C100B	CAP , CHIP TANTAL(A TYPE, 10uF/16V, ELNA)	10UF 16V	1	EA
C639	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C640	CCSJA1C100B	CAP , CHIP TANTAL(A TYPE, 10uF/16V, ELNA)	10UF 16V	1	EA
C641	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C642	CCUS1H123KC	CAP , CHIP(1608, 50V/12NF)	0.012UF 50V	1	EA
C643	CCUS1C154KC	CAP , CHIP	0.15UF 16V K	1	EA
C644	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C645	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C646	CCSJA1C100B	CAP , CHIP TANTAL(A TYPE, 10uF/16V, ELNA)	10UF 16V	1	EA
C647	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C648	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C649	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C652	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1	EA
C653	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C654	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C655	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C656	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C701	CCSJA1C100B	CAP , CHIP TANTAL(A TYPE, 10uF/16V, ELNA)	10UF 16V	1	EA
C702	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C703	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C704	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C707	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C708	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C709	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C710	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C721	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C722	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C723	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C724	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C725	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C726	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C727	CCUS1A105KC	CAP , CHIP	1UF 10V K	1	EA
C728	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C729	CCUS1A105KC	CAP , CHIP	1UF 10V K	1	EA
C730	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C731	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C732	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C733	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C734	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C735	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C736	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C737	CCUS1H222KC	CAP , CHIP	2200PF 50V K	1	EA
C738	CCUS1H222KC	CAP , CHIP	2200PF 50V K	1	EA
C739	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C740	CCUS1H123KC	CAP , CHIP(1608, 50V/12NF)	0.012UF 50V	1	EA
C741	CCUS1C154KC	CAP , CHIP	0.15UF 16V K	1	EA
C743	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C744	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C745	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C746	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C747	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C748	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C749	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C750	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C751	CCSJA1C100B	CAP , CHIP TANTAL(A TYPE, 10uF/16V, ELNA)	10UF 16V	1	EA
C752	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA

Ref. Designator	Part Number	Description		Qty	
HDMI PCB		(CUP12035)			
C753	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C754	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C755	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C756	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C757	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1	EA
C758	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1	EA
C759	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C760	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1	EA
C761	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C762	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C763	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C764	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C765	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1	EA
C766	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C767	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1	EA
C768	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C769	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1	EA
C770	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C771	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C772	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1	EA
C773	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C774	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C775	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1	EA
C780	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C801	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C802	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C803	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C804	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C805	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C806	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C807	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C808	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C809	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C810	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C811	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C812	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C813	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C814	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C815	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C816	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C817	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C818	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C819	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C820	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C821	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C822	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C823	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C824	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C825	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C826	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C827	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C828	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C829	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C830	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C831	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C832	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C833	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C834	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C835	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C836	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C837	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA

Ref. Designator	Part Number	Description		Qty	
HDMI PCB		(CUP12035)			
C838	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C839	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C840	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C841	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C842	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C843	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C844	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C845	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C846	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C847	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C848	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C849	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C850	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C851	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C852	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1	EA
C853	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C854	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1	EA
C855	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C856	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C857	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C858	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C859	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1	EA
C860	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C861	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1	EA
C862	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C863	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1	EA
C864	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C865	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C866	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C867	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C868	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C869	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C870	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C871	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C872	CCUI1C104KC	CAP , CHIP(1005, 16V/0.1UF)	0.1UF 16V	1	EA
C873	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C874	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C875	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C876	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C877	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C878	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C879	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C880	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C881	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C882	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C883	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C884	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C885	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C886	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C887	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C888	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C889	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C890	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C891	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C892	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C893	CCUS1H470JA	CAP , CHIP	47PF 50V J	1	EA
C894	CCUS1H470JA	CAP , CHIP	47PF 50V J	1	EA
C895	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C897	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C898	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C901	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA

Ref. Designator	Part Number	Description		Qty	
HDMI PCB		(CUP12035)			
C902	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C903	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C904	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C905	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C906	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C907	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C908	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C909	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C910	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C911	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C912	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C913	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C914	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C915	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C916	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C917	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C918	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C919	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C920	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C921	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C922	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C923	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C924	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C927	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C928	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C929	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C930	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C931	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C932	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C933	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C934	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C935	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C936	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C937	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C938	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C939	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C940	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C941	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C942	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C943	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C944	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C945	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C946	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C947	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C948	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C949	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C950	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C951	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C952	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C953	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C954	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C956	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C957	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C958	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C959	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C960	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C961	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C962	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C963	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C964	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C965	CCUS1H180JA	CAP , CHIP(18PF/50V)	18PF 50V J	1	EA

Ref. Designator	Part Number	Description		Qty	
HDMI PCB		(CUP12035)			
C966	CCUS1H180JA	CAP , CHIP(18PF/50V)	18PF 50V J	1	EA
C967	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C968	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C969	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C970	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C971	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C972	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C973	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C974	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C975	CCSJA1C100B	CAP , CHIP TANTAL(A TYPE, 10uF/16V, ELNA)	10UF 16V	1	EA
C976	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C977	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C978	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C979	CCSJA1C100B	CAP , CHIP TANTAL(A TYPE, 10uF/16V, ELNA)	10UF 16V	1	EA
C980	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C981	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
C982	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C983	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C984	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22UF 6.3V	1	EA
C651	CCEA0JKR3222E	CAP , ELECT	2200UF 6.3V	1	EA
C657	CCEA0JKR3222E	CAP , ELECT	2200UF 6.3V	1	EA
Semiconductors					
D941	HVD1SR159-200	DIODE , SCHOTTKY BARRIER	DIODE	1	EA
IC61	CVINJM2845DL118	IC, NJM2845DL1-18(TE1) REGULATOR	JRC(NJM2845DL1-18)	1	EA
IC62	HVINJM2391DL133	I.C , CHIP REGULATOR (+3.3V)	JRC(NJM2391DL1-33)	1	EA
IC63	CVIKIA1117S50	I.C , REGULATOR(SOT-223)	KEC(KIA1117S50-RTK/P)	1	EA
IC64	CVIKIA1117S50	I.C , REGULATOR(SOT-223)	KEC(KIA1117S50-RTK/P)	1	EA
IC65	CVINJM2845DL118	IC, NJM2845DL1-18(TE1) REGULATOR	JRC(NJM2845DL1-18)	1	EA
IC71	CVINJM2566V	I.C , NJM2566AV(TE1) 6 CHAN VIDEO AMP	JRC(NJM2566AV)	1	EA
IC72	CVIADV7342BSTZ	I.C , VIDEO ENCODER	ANLOG DEVICE(ADV7342BSTZ)	1	EA
IC73	CVIMK2302S01T	I.C , BUFFER	IDT(MK2302S-01T)	1	EA
IC74	CVINJM2845DL133	I.C , REGULATOR(3.3V, TO-252-3)	JRC(NJM2845DL1-13)	1	EA
IC75	CVIA3S56D40ETPG5	I.C, 256MB DDR SDRAM	ZENTEL(A3S56D40ETPG5)	1	EA
IC76	CVIA3S56D40ETPG5	I.C, 256MB DDR SDRAM	ZENTEL(A3S56D40ETPG5)	1	EA
IC77	CVIES29LV320ET70TG	I.C , FLASH ROM 32Mbit IC (TOP BOOST)	EXCEL SEMI(ES29LV320ET70TG)	1	EA
IC81	CVIFLI30336AC	I.C , VIDEO PROCESSOR	GENESIS(FLI30336)	1	EA
IC82	CVIST232CDR	IC , RS232C(SO-16TYPE)	ST(ST232CDR)	1	EA
IC84	HVIKIC7SZ08FU	I.C ,INPUT AND GATE (USV PACKAGE)	KEC(KIC7SZ08FU-RTK)	1	EA
IC87	HVINJM2391DL125	I.C , CHIP REGULATOR (+2.5V)	JRC(NJM2391DL1-25)	1	EA
IC89	HVINJM2391DL133	I.C , CHIP REGULATOR (+3.3V)	JRC(NJM2391DL1-13)	1	EA
IC91	CVITC74VHCT14AFT	I.C , HEX SCHMITT INVERTER(14PIN, TSSOP)	TOSHIBA(TC74VHC14AFT)	1	EA
IC92	CVISII9185CTU	IC , HDMI SW(80PIN, TQFP)	SILICON IMAGE(SII9185CTU)	1	EA
IC93	CVISII9135CTU	IC , HDMI RX(144PIN, TQFP)	SILICON IMAGE(SII9135CTU)	1	EA
IC94	CVISII9134CTU	IC , HDMI TX(100PIN, TQFP)	SILICON IMAGE(SII9134CTU)	1	EA
IC95	HVIKIC7SZ08FU	I.C ,INPUT AND GATE (USV PACKAGE)	KEC(KIC7SZ08FU-RTK)	1	EA
IC96	CVITC74VCX541FT	I.C , OCTAL BUS BUFFER	TOSHIBA(TC74VCX541FT)	1	EA
Q801	HVTKRC114S	TRANSISTOR , PNP, CHIP	KRC114S	1	EA
Q901	HVTKRA102S	TRANSISTOR , PNP, CHIP	KRA102S	1	EA
Q902	CVTKRC103S	TRANSISTOR , PNP, CHIP	KRC103S	1	EA
Q903	CVTUPA672T	F.E.T	UPA672T	1	EA
Q904	HVTKRA102S	TRANSISTOR , PNP, CHIP	KRA102S	1	EA
Q905	CVTKRC103S	TRANSISTOR , PNP, CHIP	KRC103S	1	EA
Q906	CVTUPA672T	F.E.T	UPA672T	1	EA
Q907	HVTKRA102S	TRANSISTOR , PNP, CHIP	KRA102S	1	EA
Q908	CVTKRC103S	TRANSISTOR , PNP, CHIP	KRC103S	1	EA
Q909	HVTKRC111S	TRANSISTOR , CHIP	KRC111S	1	EA
Q910	CVTUPA672T	F.E.T	UPA672T	1	EA
Q911	CVTKRC103S	TRANSISTOR , PNP, CHIP	KRC103S	1	EA
Q912	CVTUPA672T	F.E.T	UPA672T	1	EA

Ref. Designator	Part Number	Description		Qty	
HDMI PCB		(CUP12035)			
<i>Resistors</i>					
RN31	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1	EA
RN32	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1	EA
RN33	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1	EA
RN34	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1	EA
RN35	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1	EA
RN36	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1	EA
RN37	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1	EA
RN38	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1	EA
RN39	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1	EA
RN40	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1	EA
RN41	CRJ104DJ220T	RES,4ARRAY	22 OHM/1608*4	1	EA
RN42	CRJ104DJ220T	RES,4ARRAY	22 OHM/1608*4	1	EA
RN43	CRJ104DJ220T	RES,4ARRAY	22 OHM/1608*4	1	EA
RN44	CRJ104DJ220T	RES,4ARRAY	22 OHM/1608*4	1	EA
RN45	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1	EA
RN46	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1	EA
RN47	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1	EA
RN48	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1	EA
RN49	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1	EA
RN50	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1	EA
RN51	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1	EA
RN52	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1	EA
RN54	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1	EA
RN55	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1	EA
RN56	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1	EA
RN61	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1	EA
RN62	CRJ104DJ100T	RES, ARRAY, 10R (1608)	10 OHM/1608*4	1	EA
RN63	CRJ104DJ100T	RES, ARRAY, 10R (1608)	10 OHM/1608*4	1	EA
RN64	CRJ104DJ100T	RES, ARRAY, 10R (1608)	10 OHM/1608*4	1	EA
RN65	CRJ104DJ100T	RES, ARRAY, 10R (1608)	10 OHM/1608*4	1	EA
RN66	CRJ104DJ100T	RES, ARRAY, 10R (1608)	10 OHM/1608*4	1	EA
RN67	CRJ104DJ100T	RES, ARRAY, 10R (1608)	10 OHM/1608*4	1	EA
RN68	CRJ104DJ100T	RES, ARRAY, 10R (1608)	10 OHM/1608*4	1	EA
RN69	CRJ104DJ103T	RES, ARRAY, 10K (1608)	10K OHM/1608*4	1	EA
RN70	CRJ104DJ103T	RES, ARRAY, 10K (1608)	10K OHM/1608*4	1	EA
RN71	CRJ062IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X2)	33 OHM 1/16W	1	EA
RN72	CRJ062IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X2)	33 OHM 1/16W	1	EA
RN73	CRJ062IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X2)	33 OHM 1/16W	1	EA
RN74	CRJ062IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X2)	33 OHM 1/16W	1	EA
RN75	CRJ062IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X2)	33 OHM 1/16W	1	EA
RN81	CRJ104DJ103T	RES, ARRAY, 10K (1608)	10K OHM/1608*4	1	EA
RN82	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	33 OHM 1/16W	1	EA
RN83	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	33 OHM 1/16W	1	EA
RN84	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	33 OHM 1/16W	1	EA
RN85	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	33 OHM 1/16W	1	EA
RN86	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	33 OHM 1/16W	1	EA
RN87	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	33 OHM 1/16W	1	EA
RN88	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	33 OHM 1/16W	1	EA
RN89	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	33 OHM 1/16W	1	EA
RN90	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	33 OHM 1/16W	1	EA
RN91	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	33 OHM 1/16W	1	EA
RN92	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	33 OHM 1/16W	1	EA
RN93	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	33 OHM 1/16W	1	EA
RN94	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	33 OHM 1/16W	1	EA
R801	CRJ10DJ470T	RES , CHIP	47 OHM	1	EA
R802	CRJ10DJ470T	RES , CHIP	47 OHM	1	EA
R803	CRJ10DJ470T	RES , CHIP	47 OHM	1	EA
R804	CRJ10DJ820T	RES , CHIP	82 OHM	1	EA
R805	CRJ10DJ820T	RES , CHIP	82 OHM	1	EA

Ref. Designator	Part Number	Description		Qty	
HDMI PCB		(CUP12035)			
R806	CRJ10DJ820T	RES , CHIP	82 OHM	1	EA
R807	CRJ10DJ820T	RES , CHIP	82 OHM	1	EA
R808	CRJ10DJ470T	RES , CHIP	47 OHM	1	EA
R809	CRJ10DJ820T	RES , CHIP	82 OHM	1	EA
R810	CRJ10DJ470T	RES , CHIP	47 OHM	1	EA
R811	CRJ10DJ820T	RES , CHIP	82 OHM	1	EA
R812	CRJ10DJ470T	RES , CHIP	47 OHM	1	EA
R813	CRJ10DJ470T	RES , CHIP	47 OHM	1	EA
R814	CRJ10DJ820T	RES , CHIP	82 OHM	1	EA
R815	CRJ10DJ820T	RES , CHIP	82 OHM	1	EA
R816	CRJ10DJ820T	RES , CHIP	82 OHM	1	EA
R817	CRJ10DJ470T	RES , CHIP	47 OHM	1	EA
R818	CRJ10DJ470T	RES , CHIP	47 OHM	1	EA
R819	CRJ10DJ470T	RES , CHIP	47 OHM	1	EA
R820	CRJ10DJ820T	RES , CHIP	82 OHM	1	EA
R821	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R822	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R823	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R824	CRJ10DJ0R0T	RES , CHIP	0 OHM	1	EA
R825	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R826	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R827	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R832	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R838	CRJ10DJ750T	RES , CHIP	75 OHM	1	EA
R839	CRJ10DJ750T	RES , CHIP	75 OHM	1	EA
R840	CRJ10DJ750T	RES , CHIP	75 OHM	1	EA
R841	CRJ10DJ750T	RES , CHIP	75 OHM	1	EA
R842	CRJ10DJ750T	RES , CHIP	75 OHM	1	EA
R843	CRJ10DJ750T	RES , CHIP	75 OHM	1	EA
R844	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R845	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R846	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R847	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R848	CRJ10DJ301T	RES , CHIP	300 OHM	1	EA
R849	CRJ10DJ301T	RES , CHIP	300 OHM	1	EA
R850	CRJ10DJ301T	RES , CHIP	300 OHM	1	EA
R851	CRJ10DJ301T	RES , CHIP	300 OHM	1	EA
R852	CRJ10DJ301T	RES , CHIP	300 OHM	1	EA
R853	CRJ10DJ301T	RES , CHIP	300 OHM	1	EA
R854	CRJ10DF6801T	RES , CHIP 1%	6.8K OHM 1%	1	EA
R855	CRJ10DF4301T	RES , CHIP 1%	4.3K OHM 1%	1	EA
R856	CRJ10DJ221T	RES , CHIP	220 OHM	1	EA
R857	CRJ10DJ392T	RES , CHIP	3.9K OHM	1	EA
R858	CRJ10DJ151T	RES , CHIP	150 OHM	1	EA
R860	CRJ10DJ100T	RES , CHIP	10 OHM	1	EA
R861	CRJ10DJ100T	RES , CHIP	10 OHM	1	EA
R863	CRJ10DJ472T	RES , CHIP	4.7K OHM	1	EA
R864	CRJ10DF2800T	RES , CHIP 1%	280 OHM 1%	1	EA
R865	CRJ10DF2800T	RES , CHIP 1%	280 OHM 1%	1	EA
R867	CRJ10DF1002T	RES , CHIP 1%	10K /1/10W/F	1	EA
R868	CRJ10DF1002T	RES , CHIP 1%	10K /1/10W/F	1	EA
R869	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R870	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R871	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R873	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R874	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R875	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R876	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R877	CRJ10DJ151T	RES , CHIP	150 OHM	1	EA
R878	CRJ10DJ0R0T	RES , CHIP	0 OHM	1	EA
R879	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA

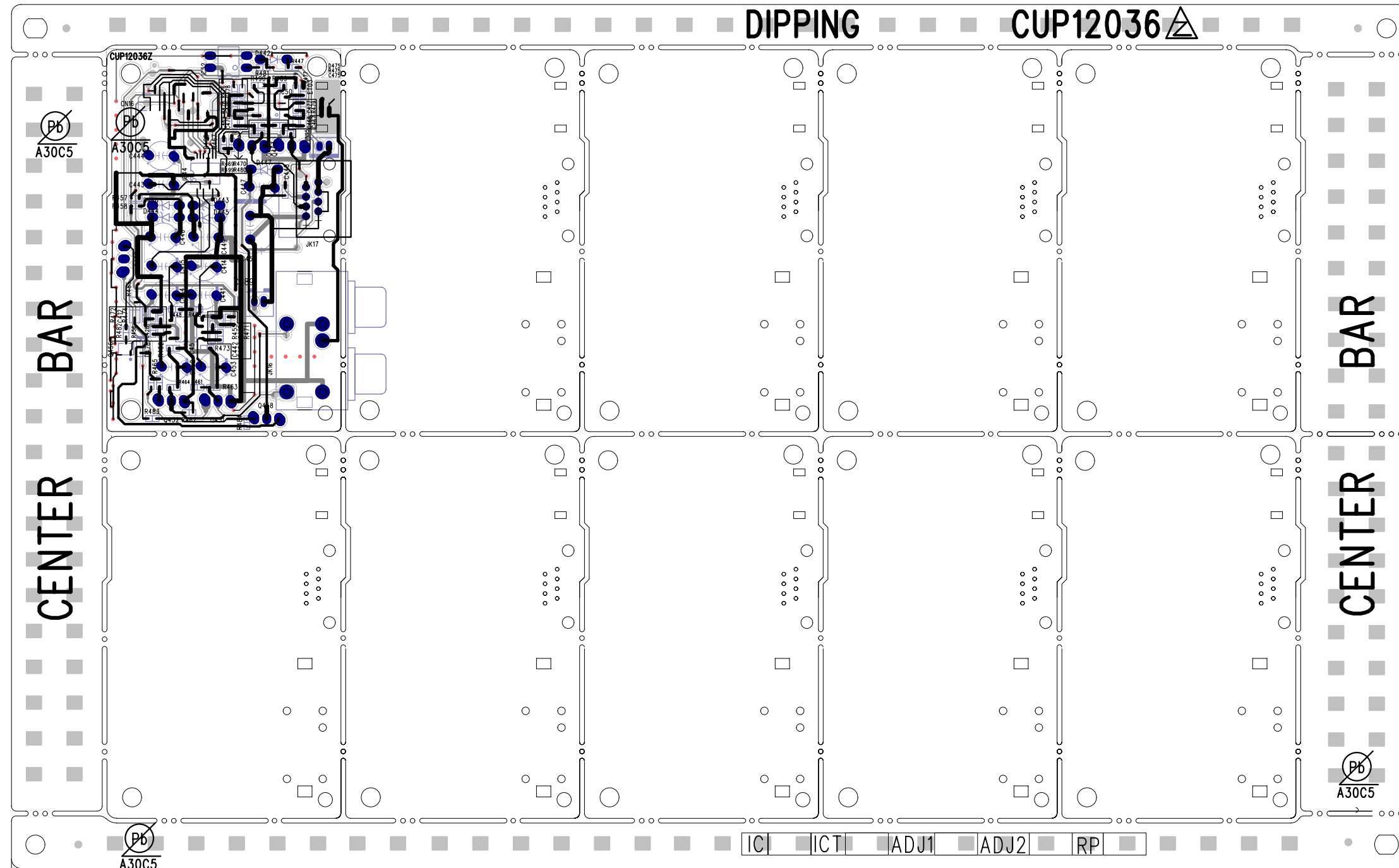
Ref. Designator	Part Number	Description		Qty	
HDMI PCB		(CUP12035)			
R880	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R881	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R882	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R883	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R884	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R887	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R892	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R893	CRJ10DJ472T	RES , CHIP	4.7K OHM	1	EA
R894	CRJ10DJ472T	RES , CHIP	4.7K OHM	1	EA
R897	CRJ10DJ200T	RES , CHIP	20 OHM	1	EA
R898	CRJ10DJ200T	RES , CHIP	20 OHM	1	EA
R899	CRJ10DJ221T	RES , CHIP	220 OHM	1	EA
R900	CRJ10DJ392T	RES , CHIP	3.9K OHM	1	EA
R901	CRJ10DJ102T	RES , CHIP	1K OHM	1	EA
R902	CRJ10DJ223T	RES , CHIP	22K OHM	1	EA
R903	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R904	CRJ10DJ473T	RES , CHIP	47K OHM	1	EA
R905	CRJ10DJ470T	RES , CHIP	47 OHM	1	EA
R906	CRJ10DJ470T	RES , CHIP	47 OHM	1	EA
R907	CRJ10DJ473T	RES , CHIP	47K OHM	1	EA
R908	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R909	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R910	CRJ10DJ473T	RES , CHIP	47K OHM	1	EA
R911	CRJ10DJ102T	RES , CHIP	1K OHM	1	EA
R912	CRJ10DJ223T	RES , CHIP	22K OHM	1	EA
R913	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R914	CRJ10DJ473T	RES , CHIP	47K OHM	1	EA
R915	CRJ10DJ470T	RES , CHIP	47 OHM	1	EA
R916	CRJ10DJ470T	RES , CHIP	47 OHM	1	EA
R917	CRJ10DJ473T	RES , CHIP	47K OHM	1	EA
R918	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R919	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R920	CRJ10DJ473T	RES , CHIP	47K OHM	1	EA
R921	CRJ10DJ102T	RES , CHIP	1K OHM	1	EA
R922	CRJ10DJ223T	RES , CHIP	22K OHM	1	EA
R923	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R924	CRJ10DJ473T	RES , CHIP	47K OHM	1	EA
R925	CRJ10DJ470T	RES , CHIP	47 OHM	1	EA
R926	CRJ10DJ470T	RES , CHIP	47 OHM	1	EA
R927	CRJ10DJ473T	RES , CHIP	47K OHM	1	EA
R928	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R929	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R930	CRJ10DJ473T	RES , CHIP	47K OHM	1	EA
R931	CRJ10DJ0R0T	RES , CHIP	0 OHM	1	EA
R932	CRJ10DJ0R0T	RES , CHIP	0 OHM	1	EA
R933	CRJ10DJ102T	RES , CHIP	1K OHM	1	EA
R934	CRJ10DJ102T	RES , CHIP	1K OHM	1	EA
R935	CRJ10DJ102T	RES , CHIP	1K OHM	1	EA
R936	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R937	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R938	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R939	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R940	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R941	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R942	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R943	CRJ10DJ473T	RES , CHIP	47K OHM	1	EA
R944	CRJ10DJ472T	RES , CHIP	4.7K OHM	1	EA
R945	CRJ10DJ473T	RES , CHIP	47K OHM	1	EA
R947	CRJ10DJ473T	RES , CHIP	47K OHM	1	EA
R948	CRJ10DJ473T	RES , CHIP	47K OHM	1	EA
R949	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA

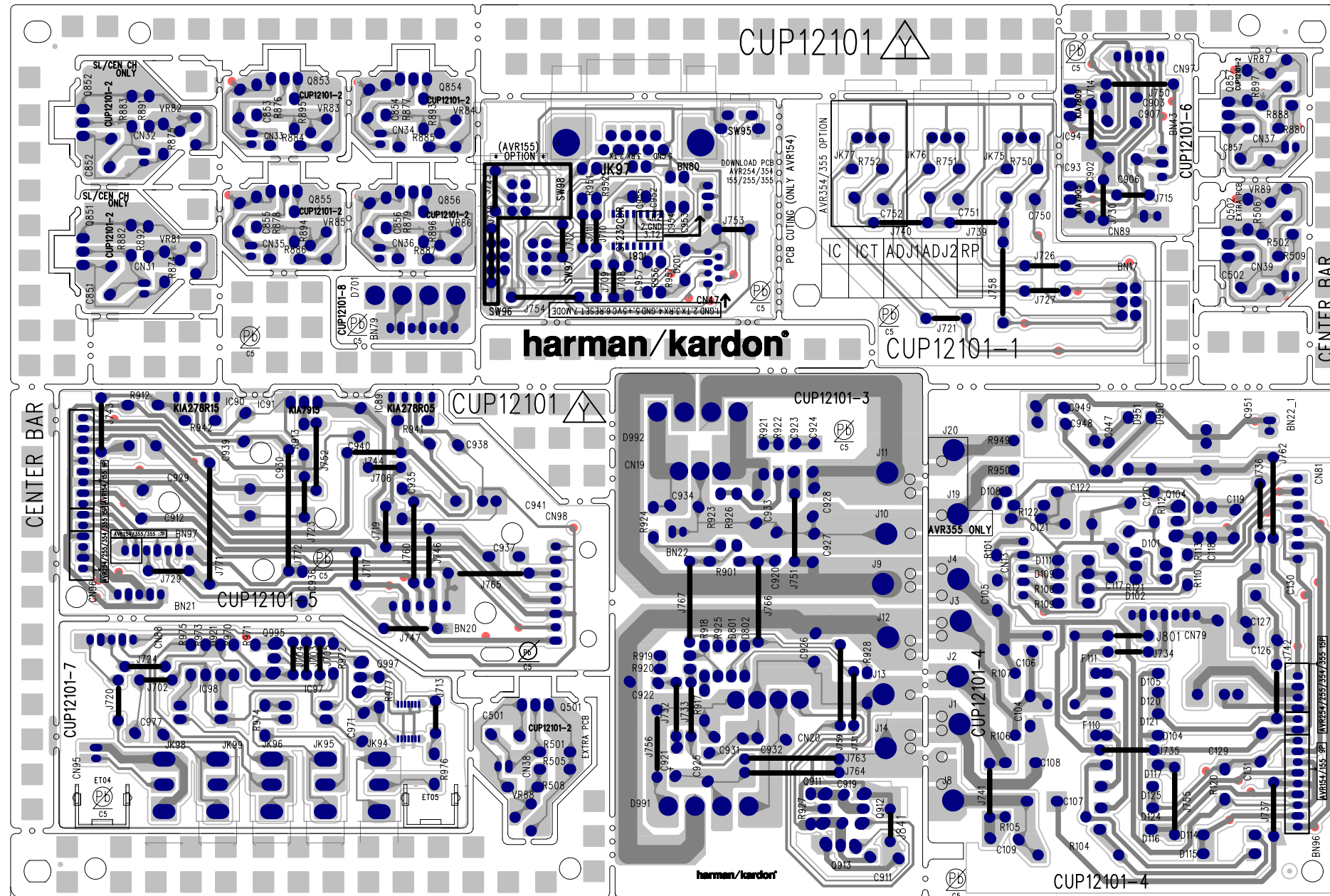
Ref. Designator	Part Number	Description		Qty	
HDMI PCB		(CUP12035)			
R950	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R951	CRJ10DJ102T	RES , CHIP	1K OHM	1	EA
R952	CRJ10DJ105T	RES , CHIP	1M OHM	1	EA
R953	CRJ10DJ0R0T	RES , CHIP	0 OHM	1	EA
R954	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R955	CRJ10DJ220T	RES , CHIP	22 OHM	1	EA
R956	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R958	CRJ10DJ472T	RES , CHIP	4.7K OHM	1	EA
R960	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R961	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R962	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R963	CRJ10DJ473T	RES , CHIP	47K OHM	1	EA
R964	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R969	CRJ10DJ102T	RES , CHIP	1K OHM	1	EA
R970	CRJ10DJ222T	RES , CHIP	2.2K OHM	1	EA
R971	CRJ10DJ182T	RES , CHIP	1.8K OHM	1	EA
R972	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R973	CRJ10DJ103T	RES , CHIP	10K OHM	1	EA
R974	CRJ10DJ182T	RES , CHIP	1.8K OHM	1	EA
R975	CRJ10DJ0R0T	RES , CHIP	0 OHM	1	EA
R976	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R977	CRJ10DJ102T	RES , CHIP	1K OHM	1	EA
R980	CRJ10DJ0R0T	RES , CHIP	0 OHM	1	EA
R981	CRJ10DJ0R0T	RES , CHIP	0 OHM	1	EA
<i>Miscellaneous</i>					
JK91	HJJ9H003Z	JACK , HDMI(JALCO)	YKF45-7009	1	EA
JK92	HJJ9H003Z	JACK , HDMI(JALCO)	YKF45-7009	1	EA
JK93	HJJ9H003Z	JACK , HDMI(JALCO)	YKF45-7009	1	EA
JK94	HJJ9H003Z	JACK , HDMI(JALCO)	YKF45-7009	1	EA
X901	HOX27000E180S	CRYSTAL , CHIP(27MHZ,SMD)	27MHz	1	EA
X902	COX19660E330S	X-TAL, CHIP, 19.6608 MHz (33P)	19.6608MHz	1	EA
	CMY1A297	HEAT SINK	HEAT SINK	1	EA
	CWE4202150AA	WIRE ASS'Y(1P, 150MM, #24)	WIRE	1	EA
CN80	CJP03GA19ZY	WAFER , STRAIGHT(3PIN)	WAFER	1	EA
CN82	CJP05GA01ZY	WAFER(YMW025-05R)	WAFER	1	EA
CN81	CJP34HA213ZB	PIN SOCKET , FEMALE(34P, 2.0MM)	PIN SOCKET	1	EA
CN91	CJP17GA193ZY	WAFER, CARD CABLE (SMD)	WAFER	1	EA
L801	CLZ9Z014Z	FERRITE , CHIP BEAD(60ohm, 4516)	HCB4516KF-600T60	1	EA
L802	CLZ9R005Z	FERRITE , CHIP BEAD(60ohm, 1608)	HCB1608KF-600T30	1	EA
L803	CLZ9Z014Z	FERRITE , CHIP BEAD(60ohm, 4516)	HCB4516KF-600T60	1	EA
L804	CLZ9Z014Z	FERRITE , CHIP BEAD(60ohm, 4516)	HCB4516KF-600T60	1	EA
L805	CLZ9R005Z	FERRITE , CHIP BEAD(60ohm, 1608)	HCB1608KF-600T30	1	EA
L806	CLZ9R005Z	FERRITE , CHIP BEAD(60ohm, 1608)	HCB1608KF-600T30	1	EA
L807	CLZ9Z014Z	FERRITE , CHIP BEAD(60ohm, 4516)	HCB4516KF-600T60	1	EA
L808	CLZ9Z014Z	FERRITE , CHIP BEAD(60ohm, 4516)	HCB4516KF-600T60	1	EA
L809	CLZ9R005Z	FERRITE , CHIP BEAD(60ohm, 1608)	HCB1608KF-600T30	1	EA
L810	CLZ9R005Z	FERRITE , CHIP BEAD(60ohm, 1608)	HCB1608KF-600T30	1	EA
L811	CLZ9R005Z	FERRITE , CHIP BEAD(60ohm, 1608)	HCB1608KF-600T30	1	EA
L812	CLZ9R005Z	FERRITE , CHIP BEAD(60ohm, 1608)	HCB1608KF-600T30	1	EA
L813	CLZ9R005Z	FERRITE , CHIP BEAD(60ohm, 1608)	HCB1608KF-600T30	1	EA
L814	CLZ9R005Z	FERRITE , CHIP BEAD(60ohm, 1608)	HCB1608KF-600T30	1	EA
L815	CLZ9R005Z	FERRITE , CHIP BEAD(60ohm, 1608)	HCB1608KF-600T30	1	EA
L816	CLZ9R005Z	FERRITE , CHIP BEAD(60ohm, 1608)	HCB1608KF-600T30	1	EA
L817	CLZ9Z014Z	FERRITE , CHIP BEAD(60ohm, 4516)	HCB4516KF-600T60	1	EA
L818	CLZ9Z014Z	FERRITE , CHIP BEAD(60ohm, 4516)	HCB4516KF-600T60	1	EA
L819	CLZ9R005Z	FERRITE , CHIP BEAD(60ohm, 1608)	HCB1608KF-600T30	1	EA
L820	CLZ9R005Z	FERRITE , CHIP BEAD(60ohm, 1608)	HCB1608KF-600T30	1	EA
L821	CLZ9Z014Z	FERRITE , CHIP BEAD(60ohm, 4516)	HCB4516KF-600T60	1	EA
L822	CLZ9Z014Z	FERRITE , CHIP BEAD(60ohm, 4516)	HCB4516KF-600T60	1	EA

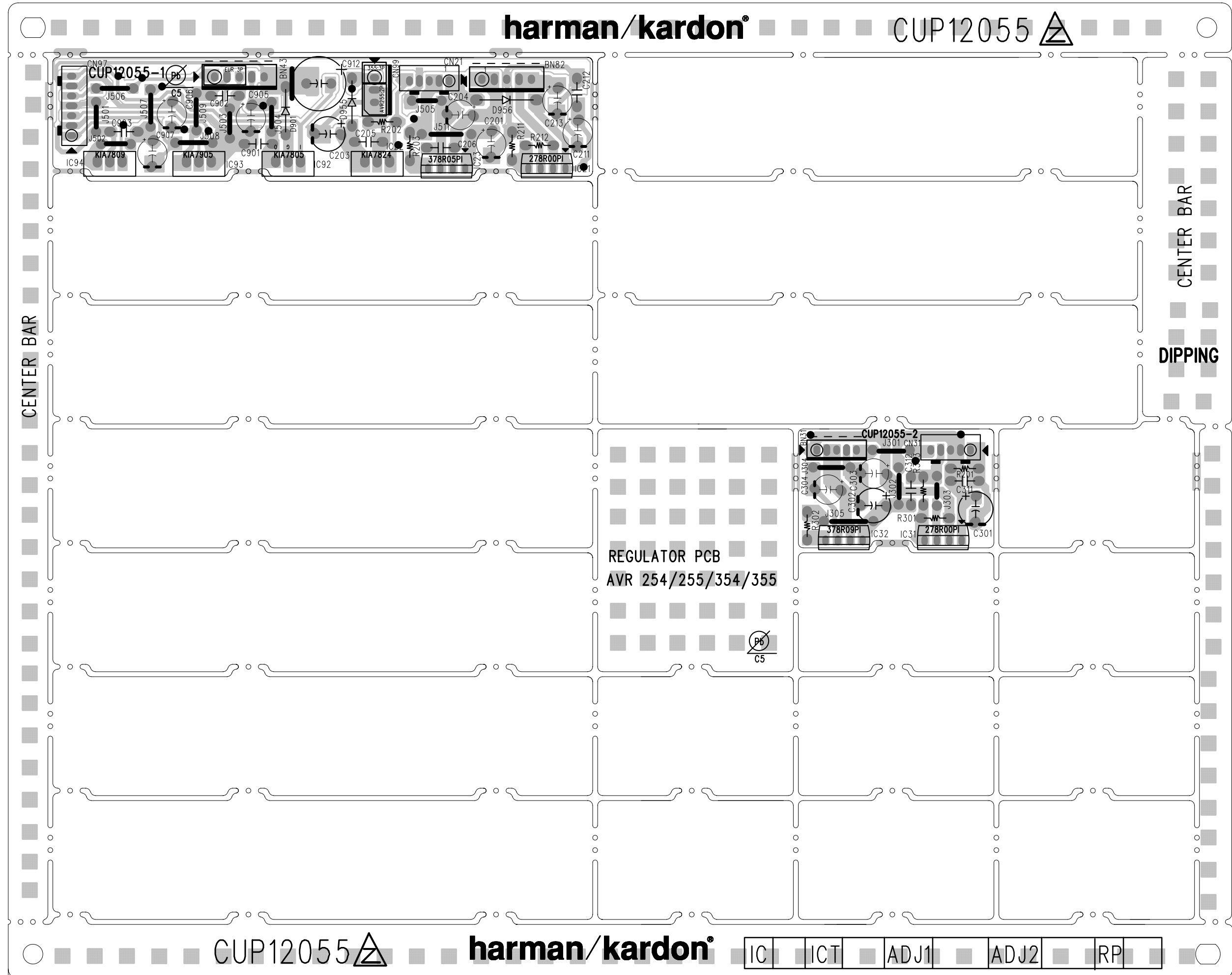
Ref. Designator	Part Number	Description		Qty	
HDMI PCB		(CUP12035)			
L823	CLZ9R009Z	CHOKE COIL, CHIP (FOR HDMI)	CMM21T-900M-3H	1	EA
L824	CLZ9R009Z	CHOKE COIL, CHIP (FOR HDMI)	CMM21T-900M-3H	1	EA
L825	CLZ9R009Z	CHOKE COIL, CHIP (FOR HDMI)	CMM21T-900M-3H	1	EA
L826	CLZ9R009Z	CHOKE COIL, CHIP (FOR HDMI)	CMM21T-900M-3H	1	EA
L901	CLZ9Z014Z	FERRITE , CHIP BEAD(60ohm, 4516)	HCB4516KF-600T60	1	EA
L902	CLZ9R005Z	FERRITE , CHIP BEAD(60ohm, 1608)	HCB1608KF-600T30	1	EA
L903	CLZ9Z014Z	FERRITE , CHIP BEAD(60ohm, 4516)	HCB4516KF-600T60	1	EA
L904	CLZ9Z014Z	FERRITE , CHIP BEAD(60ohm, 4516)	HCB4516KF-600T60	1	EA
L906	CLZ9Z014Z	FERRITE , CHIP BEAD(60ohm, 4516)	HCB4516KF-600T60	1	EA
L907	CLZ9R005Z	FERRITE , CHIP BEAD(60ohm, 1608)	HCB1608KF-600T30	1	EA
L908	CLZ9R005Z	FERRITE , CHIP BEAD(60ohm, 1608)	HCB1608KF-600T30	1	EA
L909	CLZ9R005Z	FERRITE , CHIP BEAD(60ohm, 1608)	HCB1608KF-600T30	1	EA
L910	CLZ9R005Z	FERRITE , CHIP BEAD(60ohm, 1608)	HCB1608KF-600T30	1	EA
L911	CLZ9R005Z	FERRITE , CHIP BEAD(60ohm, 1608)	HCB1608KF-600T30	1	EA
L912	CLZ9R005Z	FERRITE , CHIP BEAD(60ohm, 1608)	HCB1608KF-600T30	1	EA
L913	CLZ9R005Z	FERRITE , CHIP BEAD(60ohm, 1608)	HCB1608KF-600T30	1	EA
L914	CLZ9Z014Z	FERRITE , CHIP BEAD(60ohm, 4516)	HCB4516KF-600T60	1	EA
L915	CLZ9Z014Z	FERRITE , CHIP BEAD(60ohm, 4516)	HCB4516KF-600T60	1	EA
L916	CLZ9Z014Z	FERRITE , CHIP BEAD(60ohm, 4516)	HCB4516KF-600T60	1	EA
L917	CLZ9Z014Z	FERRITE , CHIP BEAD(60ohm, 4516)	HCB4516KF-600T60	1	EA
PCB , REGULATOR		CUP12055			
<i>Capacitors</i>					
C201	CCEA1EH101T	CAP , ELECT	100UF 25V	1	EA
C204	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C206	CCBS1H223ZFT	CAP , CERAMIC	0.022UF 50V	1	EA
C211	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C212	CCBS1H104ZFT	CAP , CERAMIC	0.1UF 50V	1	EA
C213	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C301	CCEA1EH101T	CAP , ELECT	100UF 25V	1	EA
C302	CCEA1EH101T	CAP , ELECT	100UF 25V	1	EA
C303	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C304	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C311	CCBS1H223ZFT	CAP , CERAMIC	0.022UF 50V	1	EA
C312	CCBS1H223ZFT	CAP , CERAMIC	0.022UF 50V	1	EA
C901	CCBS1H223ZFT	CAP , CERAMIC	0.022UF 50V	1	EA
C902	CCBS1H223ZFT	CAP , CERAMIC	0.022UF 50V	1	EA
C903	CCBS1H223ZFT	CAP , CERAMIC	0.022UF 50V	1	EA
C905	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C906	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C907	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C912	CCEA1EH471E	CAP , ELECT	470UF/25V	1	EA
<i>Semiconductors</i>					
D901	HVD1N5819T	DIODE , SCHOTTKY	1N5819	1	EA
D956	HVD2A04H	DIODE , RECT(2A)	2A04H	1	EA
IC21	CVIKIA278R00PI	I.C , REGULATOR(TO-220IS-4)	KEC(KIA278R00PI)	1	EA
IC23	HVIKIA378R05PI	I.C, REGULATOR(5V OUPUT LOW DROP)	KEC(KIA378R05PI)	1	EA
IC31	CVIKIA278R00PI	I.C , REGULATOR(TO-220IS-4)	KEC(KIA278R00PI)	1	EA
IC32	CVIKIA378R09PI	I.C , REGULATOR(+9V, 3A, TO-220IS-4)	KEC(KIA378R09PI)	1	EA
IC92	HVIKIA7805API	I.C, REGULATOR, +5V	KEC(KIA7805API)	1	EA
IC93	CVIKIA7905PI	I.C , REGULATOR(-5V)	KEC(KIA7905PI)	1	EA
IC94	HVIKIA7809API	I.C , REGULATOR +9V	KEC(KIA7809API)	1	EA
<i>Resistors</i>					
R201	CRD20TJ153T	RES , CARBON	15K OHM 1/5W J	1	EA
R203	CRD20TJ104T	RES , CARBON	100K OHM 1/5W J	1	EA

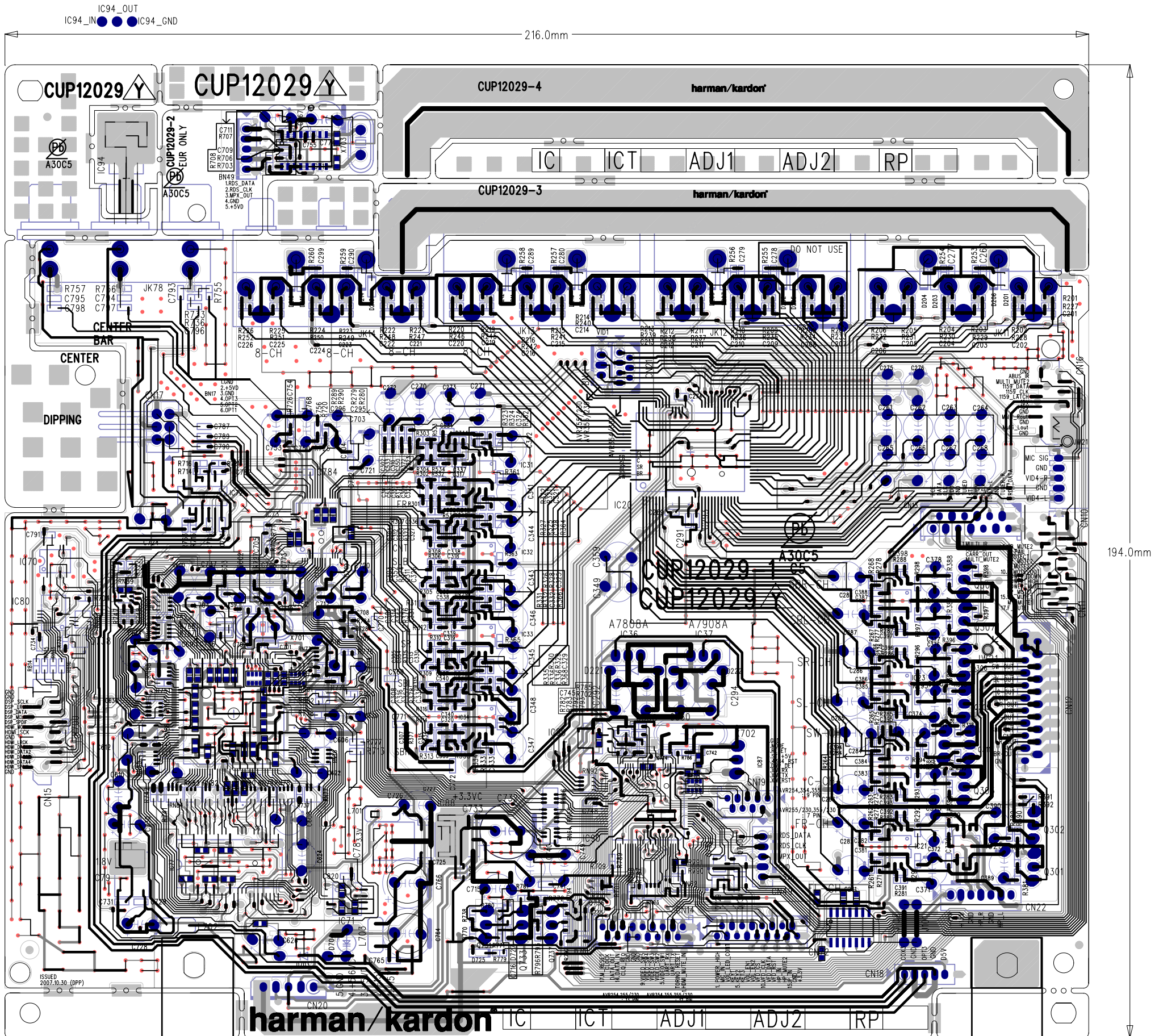
Ref. Designator	Part Number	Description		Qty	
PCB , REGULATOR		CUP12055			
R211	CRD20TF4700T	RES , CARBON	470 OHM 1%	1	EA
R212	CRD20TF2000T	RES , CARBON	200 OHM 1%	1	EA
R301	CRD20TJ332T	RES , CARBON	3.3K OHM 1/5W J	1	EA
R302	CRD20TJ104T	RES , CARBON	100K OHM 1/5W J	1	EA
R303	CRD20TJ561T	RES , CARBON	560 OHM 1/5W J	1	EA
<i>Miscellaneous</i>					
BN31	CWB1C905100EN	WIRE ASS'Y	WIRE	1	EA
BN43	CWB1C905150BM	WIRE ASS'Y	WIRE	1	EA
BN82	CWB1C905120BM	WIRE ASS'Y	WIRE	1	EA
CN21	CJP05GA19ZY	WAFER , STRAIGHT	WAFER	1	EA
CN31	CJP05GA19ZY	WAFER , STRAIGHT	WAFER	1	EA
CN97	CJP07GA19ZY	WAFER , STRAIGHT(7PIN)	WAFER	1	EA
CN99	CJP02GA01ZY	WAFER , STRAIGHT , 2PIN	WAFER	1	EA
MULTIROOM/A-BUS PCB		CUP12036Z			
<i>Capacitors</i>					
C414	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C415	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C441	CCEA1EH101T	CAP , ELECT	100UF 25V	1	EA
C443	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C444	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C446	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C449	CCEA1CH101T	CAP , ELECT	100UF 16V	1	EA
C452	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C453	CCEA1HH100T	CAP , ELECT	10UF 50V	1	EA
C454	CCEA1EH101T	CAP , ELECT	100UF 25V	1	EA
C412	CCUS1H223KC	CAP , CHIP	0.022UF 50V K	1	EA
C413	CCUS1H223KC	CAP , CHIP	0.022UF 50V K	1	EA
C428	CCUS1H151JA	CAP , CHIP	150PF 50V J	1	EA
C442	CCUS1H151JA	CAP , CHIP	150PF 50V J	1	EA
C475	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1	EA
<i>Semiconductors</i>					
D443	CVDZJ6.8BT	DIODE , ZENER	ZJ6.8B 1/2W	1	EA
D444	CVDZJ6.8BT	DIODE , ZENER	ZJ6.8B 1/2W	1	EA
D445	CVDZJ6.8BT	DIODE , ZENER	ZJ6.8B 1/2W	1	EA
D475	CVD1SS355T	DIODE , CHIP	1SS355T	1	EA
IC44	HVINJW1159M	I.C , VOLUME (2-CH)	JRC(NJW1159M)	1	EA
IC45	HVINJM2068MTE1	I.C , DUAL OP AMP	JRC(NJM2068M-TE1)	1	EA
D446	CVDZJ6.8BT	DIODE , ZENER	ZJ6.8B 1/2W	1	EA
Q451	HVTKTC2874BT	TRANSISTOR , MUTE NPN	KTC2874B	1	EA
Q452	HVTKTC2874BT	TRANSISTOR , MUTE NPN	KTC2874B	1	EA
<i>Resistors</i>					
R448	CRJ10DJ184T	RES , CHIP	180K OHM	1	EA
R452	CRJ10DJ184T	RES , CHIP	180K OHM	1	EA
R454	CRJ10DJ562T	RES , CHIP	5.6K OHM	1	EA
R455	CRJ10DJ122T	RES , CHIP	1.2K OHM	1	EA
R456	CRJ10DJ562T	RES , CHIP	5.6K OHM	1	EA
R457	CRJ10DJ821T	RES , CHIP	820 OHM	1	EA
R458	CRJ10DJ821T	RES , CHIP	820 OHM	1	EA
R460	CRJ10DJ184T	RES , CHIP	180K OHM	1	EA
R461	CRJ10DJ104T	RES , CHIP	100K OHM	1	EA
R462	CRJ10DJ104T	RES , CHIP	100K OHM	1	EA
R463	CRJ10DJ821T	RES , CHIP	820 OHM	1	EA

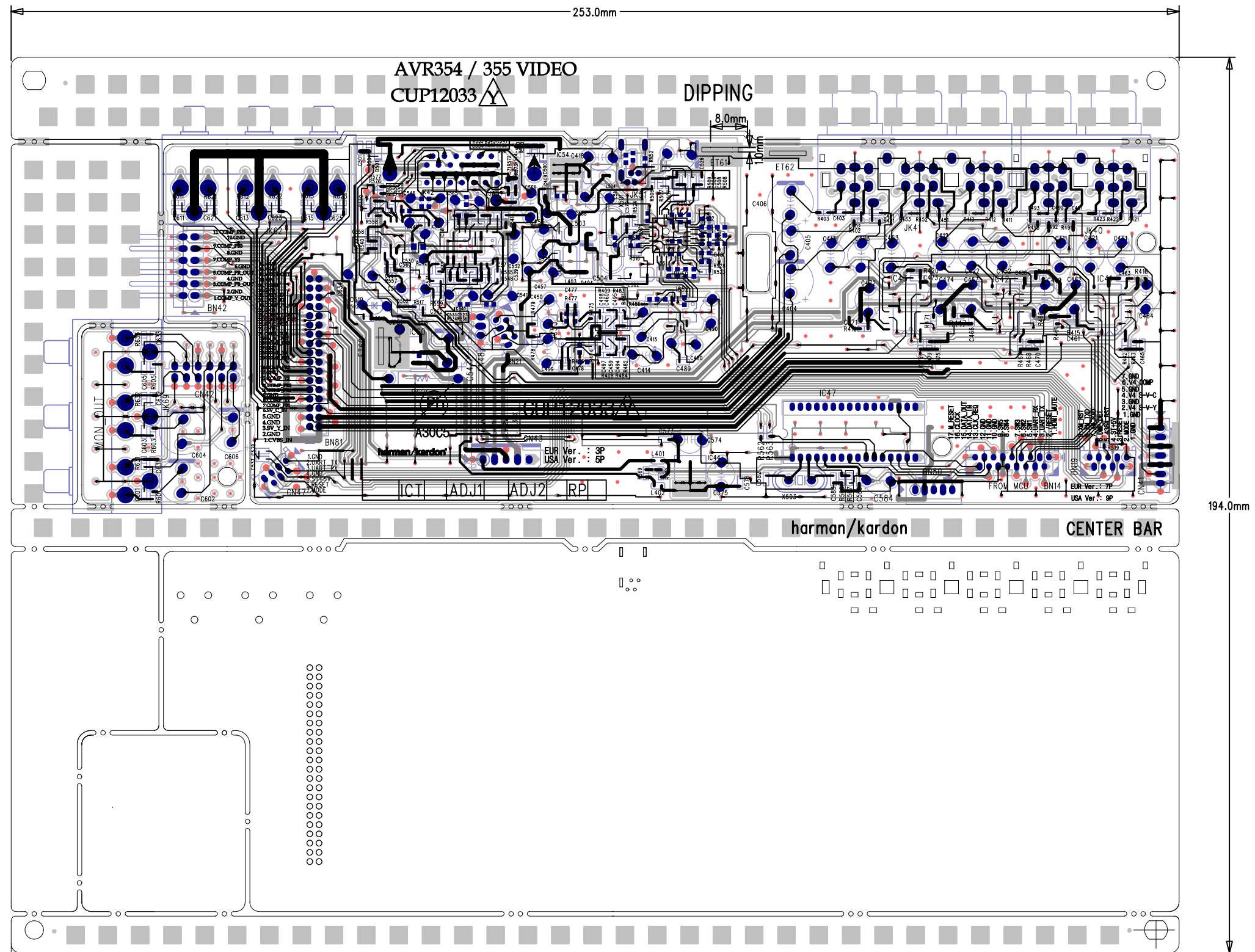
Ref. Designator	Part Number	Description		Qty	
R464	CRJ10DJ821T	RES , CHIP	820 OHM	1	EA
R465	CRJ10DJ472T	RES , CHIP	4.7K OHM	1	EA
R466	CRJ10DJ472T	RES , CHIP	4.7K OHM	1	EA
R471	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R472	CRJ10DJ101T	RES , CHIP	100 OHM	1	EA
R473	CRJ10DJ184T	RES , CHIP	180K OHM	1	EA
R474	CRJ10DJ122T	RES , CHIP	1.2K OHM	1	EA
R475	CRJ10DJ4R7T	RES , CHIP	4.7 OHM	1	EA
<i>Miscellaneous</i>					
ET03	CMD1A569	BRACKET , PCB	BRACKET	1	EA
JK16	CJJ4N076Z	JACK , IN/OUT	JACK	1	EA
CN16	CJP13GA193ZY	WAFER , CARD CABLE (SMD)	WAFER	1	EA
AVR 354 TUNER MODULE		CNVM9011MS071LA			

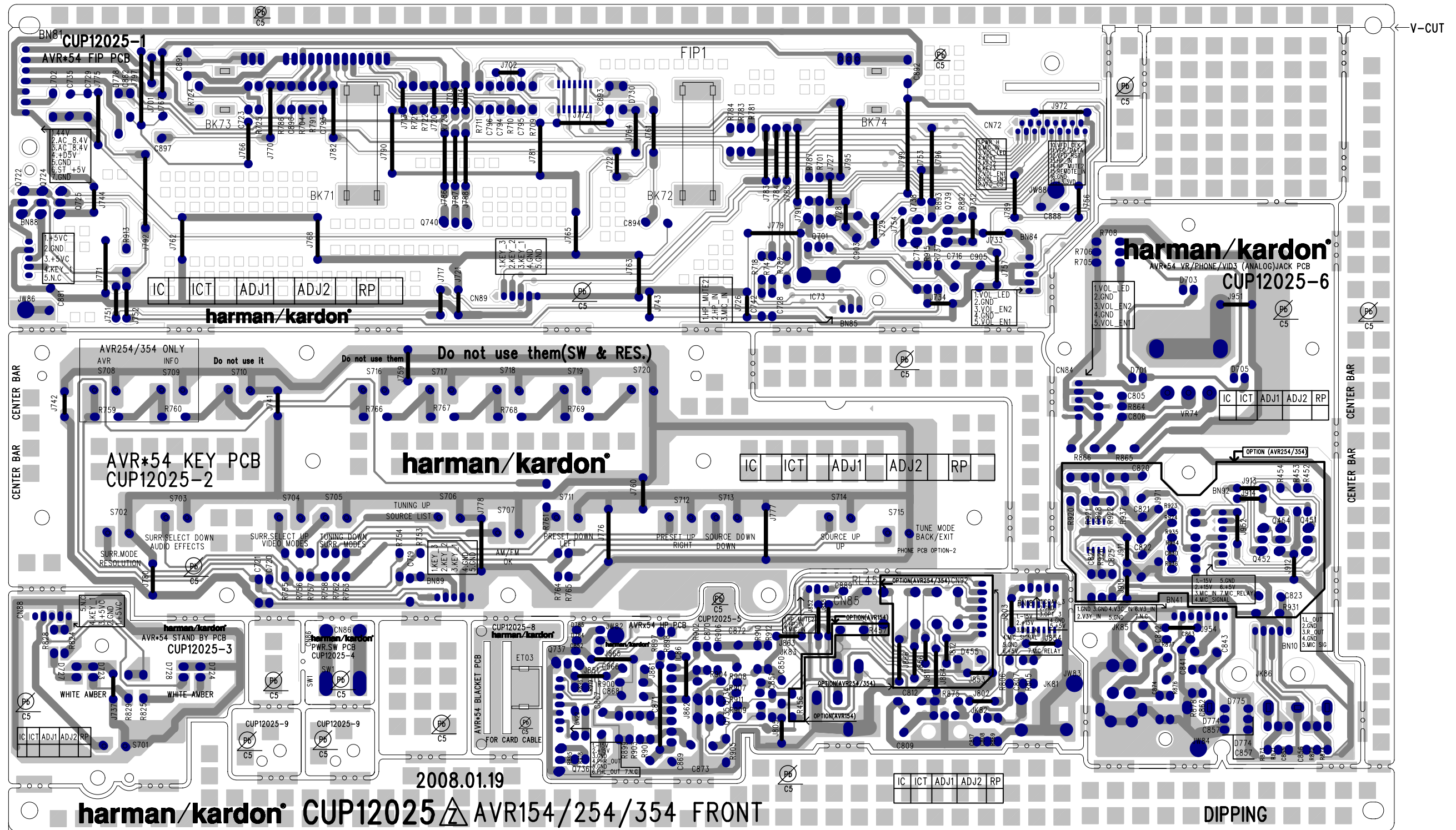


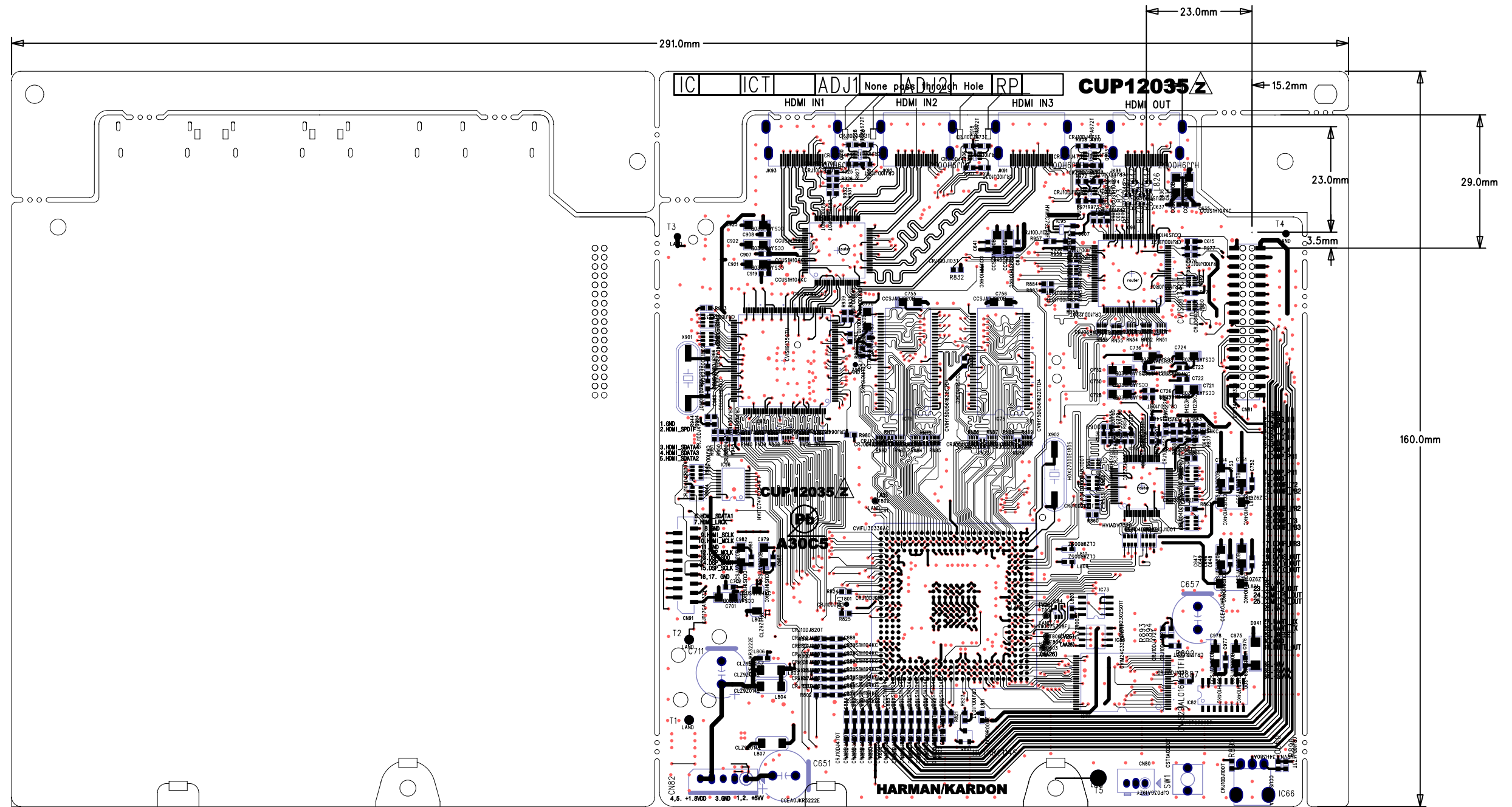


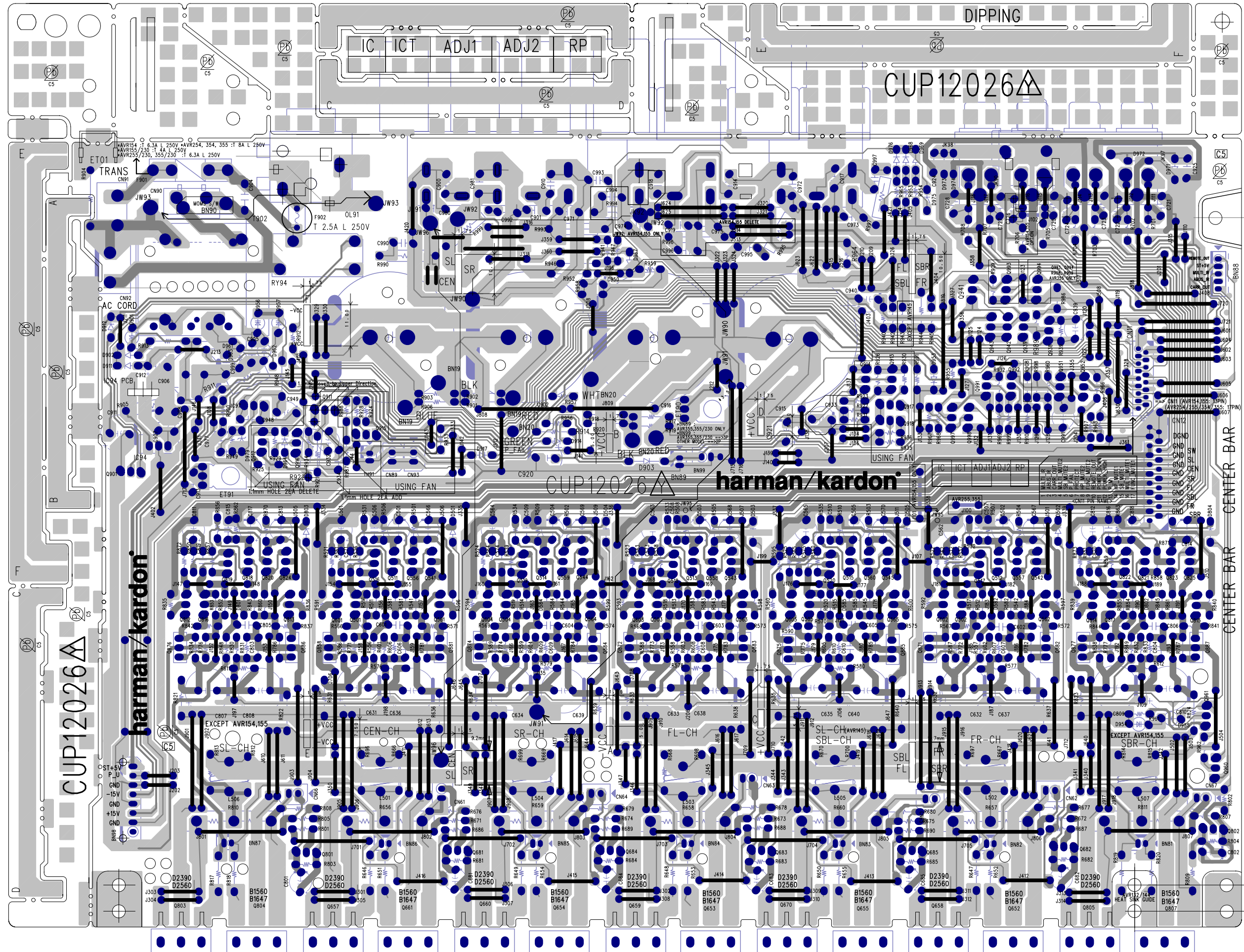












TOSHIBA

TMP86F409NG

CMOS 8-Bit Microcontroller
TMP86F409NG

Product No.	ROM (FLASH)	RAM	Package	Emulation Chip
TMP86F409NG	4096 bytes	512 bytes	SDIP32-P-400-1.78	TMP86C909/987XB

1.1 Features

1. 8-bit single chip microcomputer TLCS-870/C series
 - Instruction execution time :
 - 0.25 μ s (at 16 MHz)
 - 122 μ s (at 32.768 kHz)
 - 132 types & 731 basic instructions
2. 17 interrupt sources (External : 5 Internal : 12)
3. Input / Output ports (26 pins)
 - Large current output: 8 pins (Typ. 20mA), LED direct drive
4. Prescaler
 - Time base timer
 - Divider output function
5. Watchdog Timer
6. 16-bit timer counter: 1 ch
 - Timer, External trigger, Window, Pulse width measurement, Event counter, Programmable pulse generate (PPG) modes
7. 8-bit timer counter : 2 ch
 - Timer, Event counter, Programmable divider output (PDO), Pulse width modulation (PWM) output, Programmable pulse generation (PPG) modes
8. 8-bit UART : 1 ch

060116EBP

-
9. 8bit Serial Expansion Interface (SEI): 1 channel
(MSB/LSB selectable and max. 4Mbps at 16MHz)
 10. 10-bit successive approximation type AD converter
 - Analog input: 6 ch
 11. Key-on wakeup : 4 channels
 12. Clock operation
 - Single clock mode
 - Dual clock mode
 13. Low power consumption operation
 - STOP mode: Oscillation stops. (Battery/Capacitor back-up.)
 - SLOW1 mode: Low power consumption operation using low-frequency clock.(High-frequency clock stop.)
 - SLOW2 mode: Low power consumption operation using low-frequency clock.(High-frequency clock oscillate.)
 - IDLE0 mode: CPU stops, and only the Time-Based-Timer(TBT) on peripherals operate using high frequency clock. Release by falling edge of the source clock which is set by TBTCR<TBTCCK>.
 - IDLE1 mode: CPU stops and peripherals operate using high frequency clock. Release by interrupts(CPU restarts).
 - IDLE2 mode: CPU stops and peripherals operate using high and low frequency clock. Release by interrupts. (CPU restarts).
 - SLEEP0 mode: CPU stops, and only the Time-Based-Timer(TBT) on peripherals operate using low frequency clock.Release by falling edge of the source clock which is set by TBTCR<TBTCCK>.
 - SLEEP1 mode: CPU stops, and peripherals operate using low frequency clock. Release by interrupt.(CPU restarts).
 - SLEEP2 mode: CPU stops and peripherals operate using high and low frequency clock. Release by interrupt.
 14. Wide operation voltage:
 - 4.5 V to 5.5 V at 16MHz /32.768 kHz
 - 2.7 V to 5.5 V at 8 MHz /32.768 kHz

1.2 Pin Assignment

VSS	1	32	P37 (AIN5/STOP5)
XIN	2	31	P36 (AIN4/STOP4)
XOUT	3	30	P35 (AIN3/STOP3)
TEST	4	29	P34 (AIN2/STOP2)
VDD	5	28	P33 (AIN1)
(XTIN) P21	6	27	P32 (AIN0)
(XTOUT) P22	7	26	P31 (TC4/PDO4/PWM4/PPG4)
$\overline{\text{RESET}}$	8	25	P30 (TC3/PDO3/PWM3)
($\overline{\text{STOP/INT5}}$) P20	9	24	P12 ($\overline{\text{DVO}}$)
(TXD) P00	10	23	P11 (INT1)
(RXD) P01	11	22	P10 ($\overline{\text{INT0}}$)
(SCLK) P02	12	21	P07 (TC1/INT4)
(MOSI) P03	13	20	P06 (INT3/PPG)
(MISO) P04	14	19	P05 ($\overline{\text{SS}}$)
P14	15	18	P13
P16	16	17	P15

Figure 1-1 Pin Assignment

1.3 Block Diagram

1.3 Block Diagram

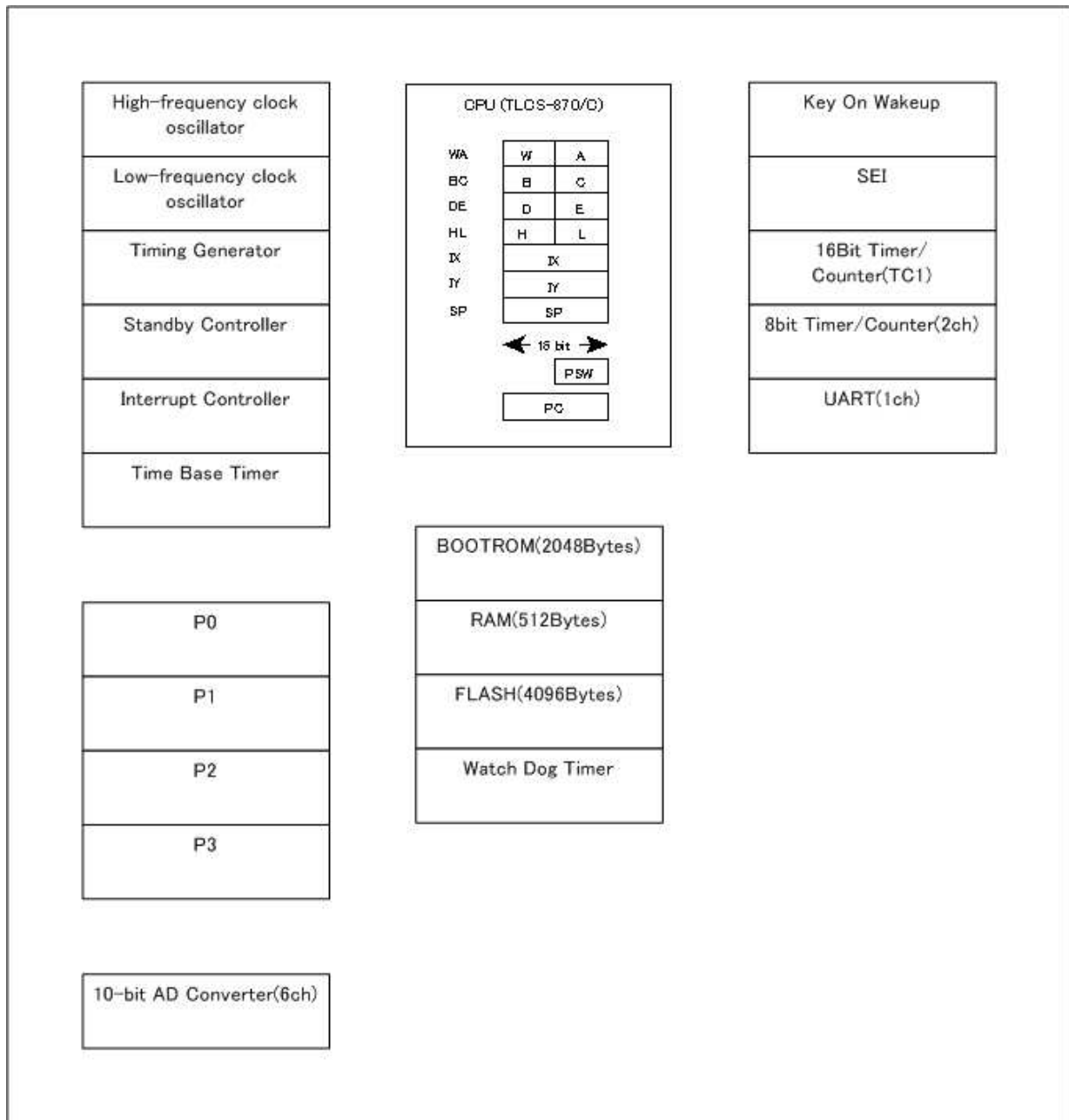


Figure 1-2 Block Diagram

1.4 Pin Names and Functions

The TMP86F409NG has MCU mode, parallel PROM mode, and serial PROM mode. Table 1-1 shows the pin functions in MCU mode. The serial PROM mode is explained later in a separate chapter.

Table 1-1 Pin Names and Functions(1/2)

Pin Name	Pin Number	Input/Output	Functions
P07 TC1 INT4	21	IO I I	PORT07 TC1 input External interrupt 4 input
P06 INT3 PPG	20	IO I O	PORT06 External interrupt 3 input PPG output
P05 \overline{SS}	19	IO I	PORT05 SEI master/slave select input
P04 MISO	14	IO IO	PORT04 SEI master input, slave output
P03 MOSI	13	IO IO	PORT03 SEI master input, slave output
P02 SCLK	12	IO IO	PORT02 SEI serial clock input/output pin
P01 RXD	11	IO I	PORT01 UART data input
P00 TXD	10	IO O	PORT00 UART data output
P16	16	IO	PORT16
P15	17	IO	PORT15
P14	15	IO	PORT14
P13	18	IO	PORT13
P12 \overline{DVO}	24	IO O	PORT12 Divider Output
P11 INT1	23	IO I	PORT11 External interrupt 1 input
P10 $\overline{INT0}$	22	IO I	PORT10 External interrupt 0 input
P22 XTOUT	7	IO O	PORT22 Resonator connecting pins(32.768kHz) for inputting external clock
P21 XTIN	6	IO I	PORT21 Resonator connecting pins(32.768kHz) for inputting external clock
P20 $\overline{INT5}$ \overline{STOP}	9	IO I I	PORT20 External interrupt 5 input STOP mode release signal input
P37 AIN5 STOP5	32	IO I I	PORT37 Analog Input5 STOP5
P36 AIN4 STOP4	31	IO I I	PORT36 Analog Input4 STOP4

1.4 Pin Names and Functions

TMP86F409NG

Table 1-1 Pin Names and Functions(2/2)

Pin Name	Pin Number	Input/Output	Functions
P35 AIN3 STOP3	30	IO I I	PORT35 Analog Input3 STOP3
P34 AIN2 STOP2	29	IO I I	PORT34 Analog Input2 STOP2
P33 AIN1	28	IO I	PORT33 Analog Input1
P32 AIN0	27	IO I	PORT32 Analog Input0
P31 TC4 PDO4/PWM4/PPG4	26	IO I O	PORT31 TC4 input PDO4/PWM4/PPG4 output
P30 TC3 PDO3/PWM3	25	IO I O	PORT30 TC3 input PDO3/PWM3 output
XIN	2	I	Resonator connecting pins for high-frequency clock
XOUT	3	O	Resonator connecting pins for high-frequency clock
$\overline{\text{RESET}}$	8	I	Reset signal
TEST	4	I	Test pin for out-going test. Normally, be fixed to low.
VDD	5	I	+5V
VSS	1	I	0(GND)



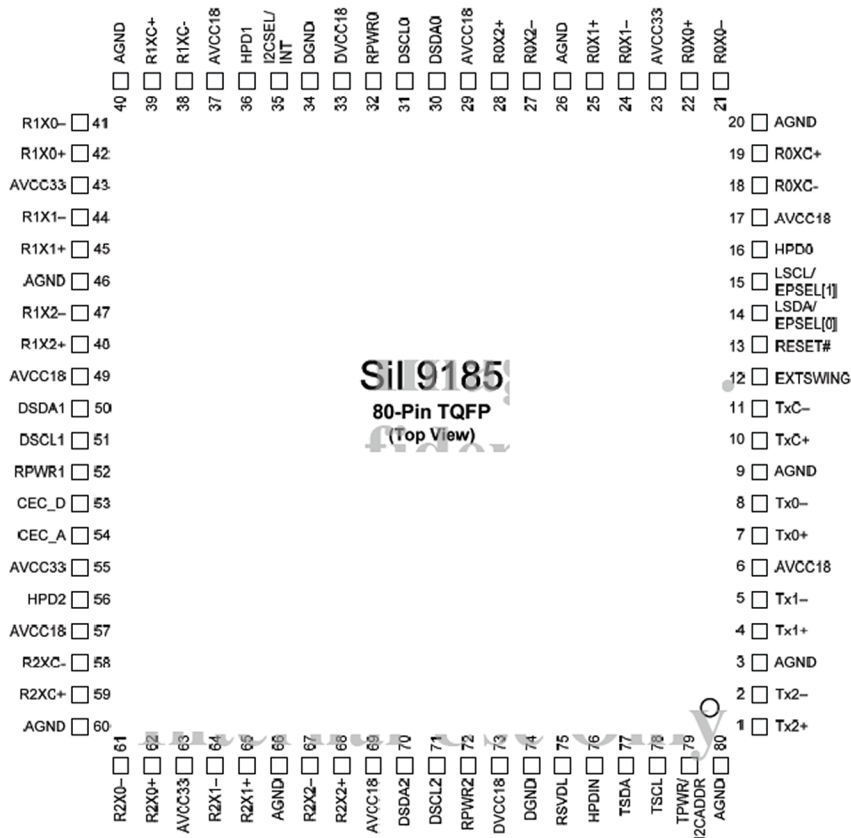
Sil 9185

Three Input, Single Output Deep Color HDMI Switch

Data Sheet

Silicon Image, Inc.

Sil 9185 Pin Mapping



Sil 9185 Three Input, Single Output Deep Color HDMI Switch
Data Sheet

Silicon Image, Inc.

Block Level Functionality

The Sil 9185 Three Input, Single Output Deep Color HDMI Switch is used to select a single set of HDMI/DVI signals from one of three HDMI/DVI receiver-ports, and to generate a fully compliant HDMI/DVI stream as an output. It also provides DDC/ HDCP, HPD, and +5V switching to allow full compliance to the HDMI/DVI Specification.

The combination of programmable equalizer and state-of-the-art DPLL can overcome signal distortion due to the long lengths of HDMI/DVI cables. Sil 9185-based switches can be cascaded many times to regenerate TMDS and HDCP signals.

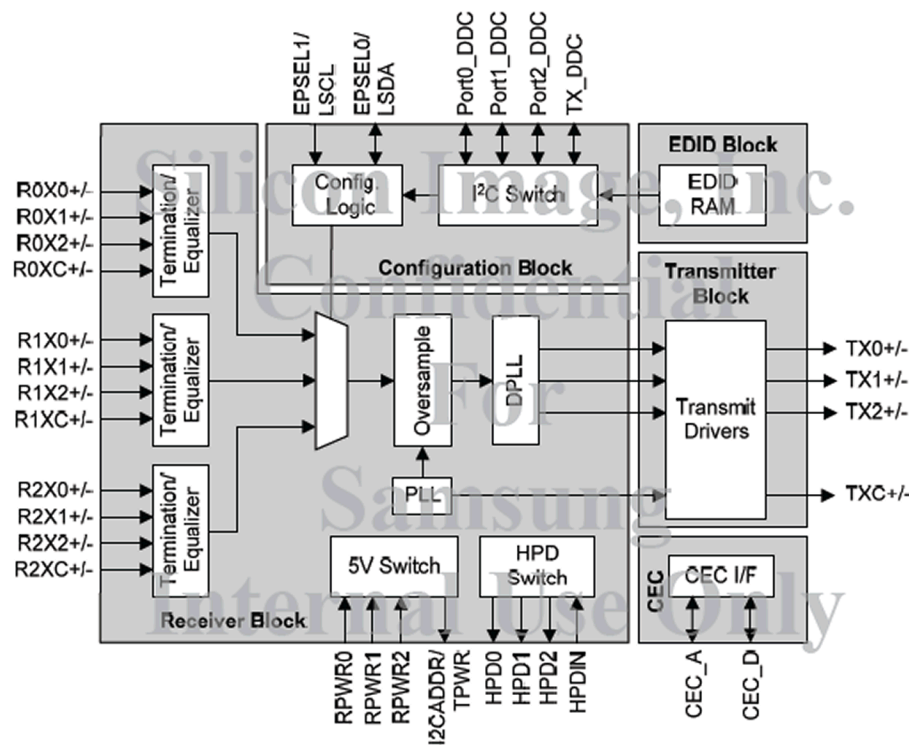


Figure 3. Functional Block Diagram

As shown in Figure 3, the Sil 9185 consists of five major blocks:

- Receiver block
- Transmitter block
- CEC Interface block
- EDID RAM block
- Configuration Block



Data Sheet

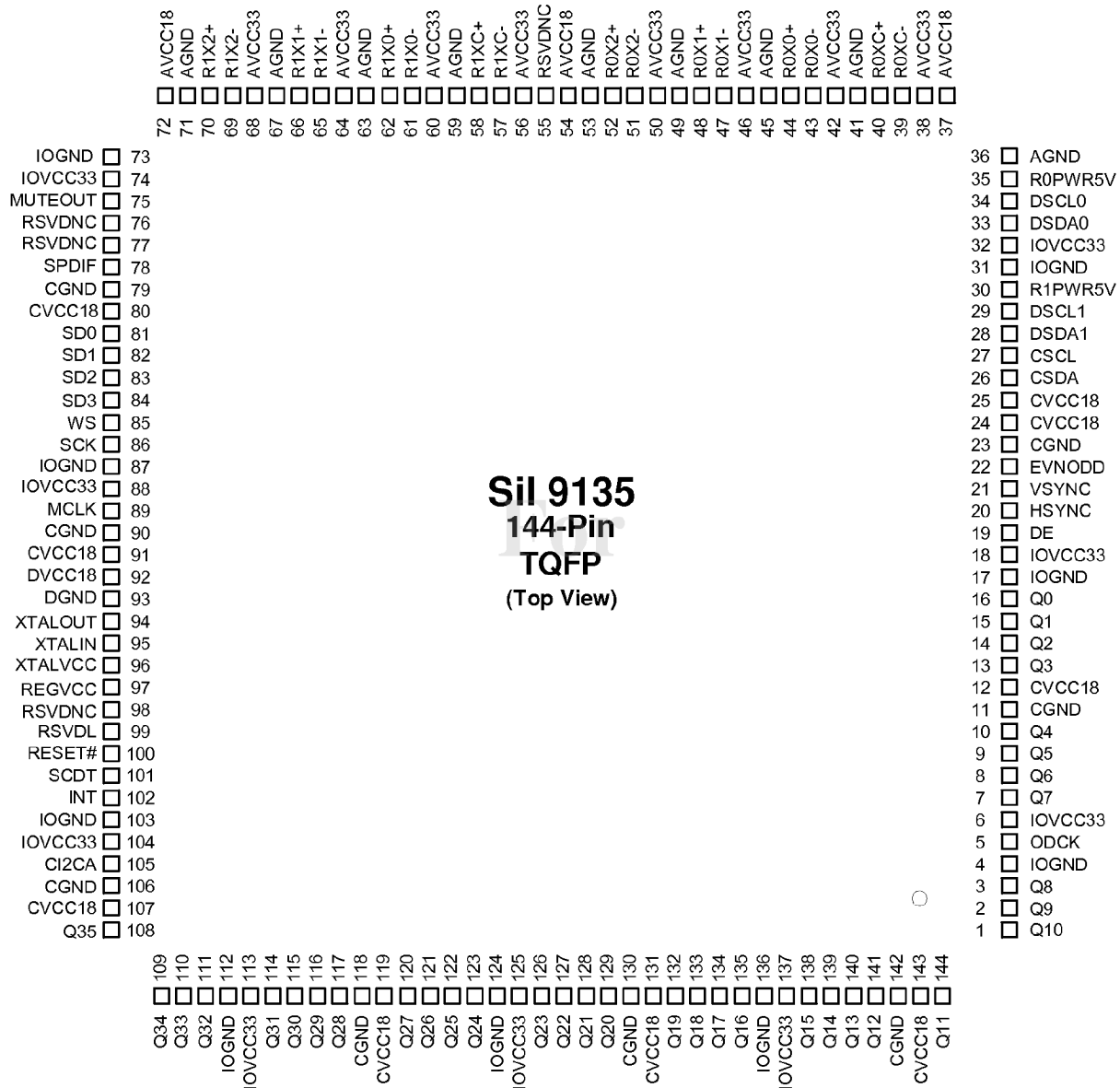
Sil 9135 HDMI Receiver with Enhanced Audio and Deep Color Outputs

Sil 9135 HDMI Receiver with Enhanced Audio and Deep Color Outputs
Data Sheet

Silicon Image, Inc.

Pin Diagram

Figure 1 shows the pin connections for the Sil 9135 in the 144-pin TQFP package.



**Sil 9135 HDMI Receiver with Enhanced Audio and Deep Color Outputs
Data Sheet**

Silicon Image, Inc.

Functional Description

The Sil 9135 provides a complete solution for receiving HDMI-compliant digital audio and video. Specialized audio and video processing is available within the HDMI Receiver to add HDMI capability to consumer electronics such as AV Receivers. Figure 3 shows the functional blocks of the chip.

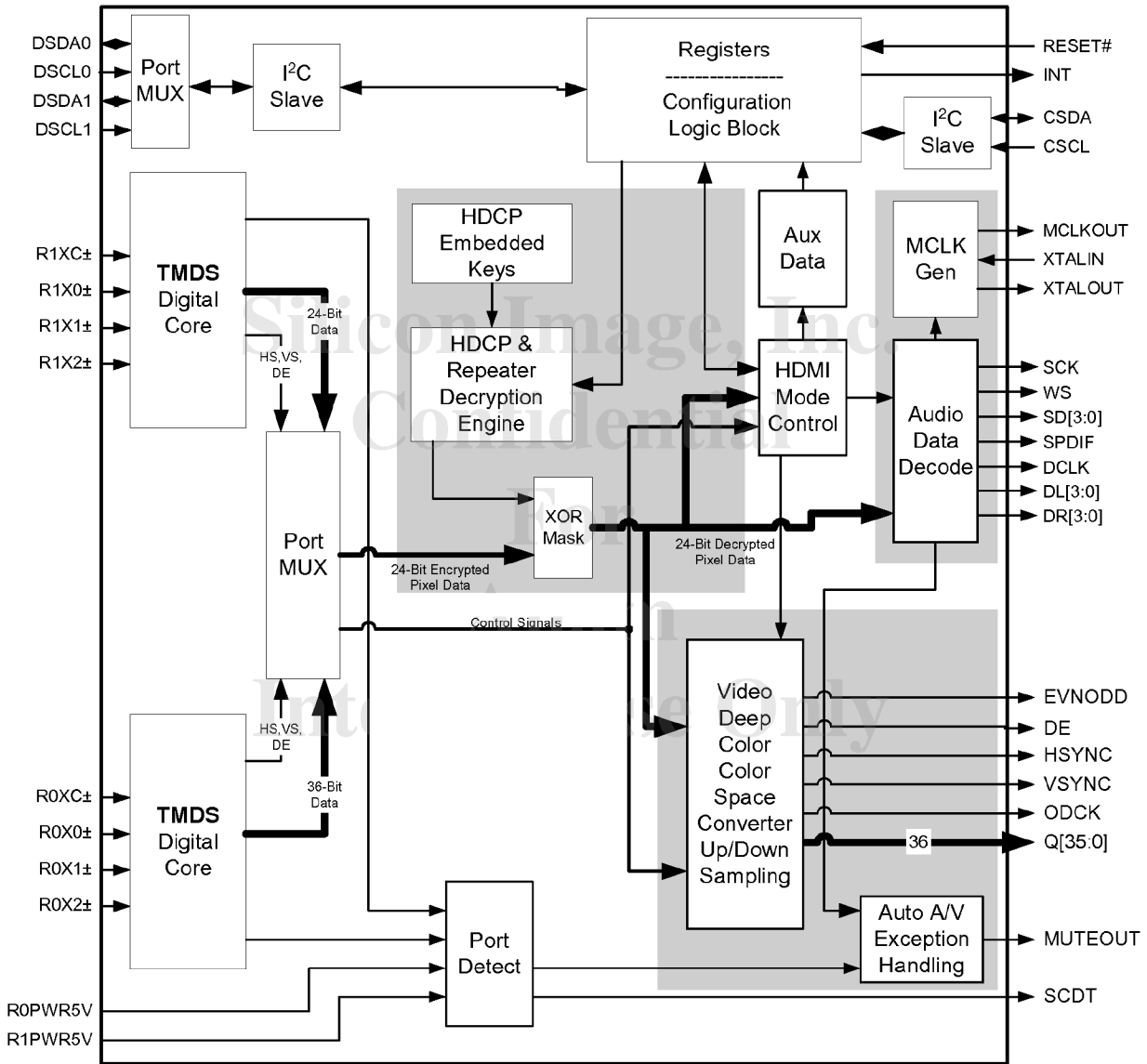
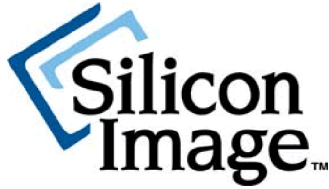


Figure 3. Functional Block Diagram

The Sil 9135 supports two HDMI input ports. Only one port can be active at any time.



Sil 9134 HDMI Transmitter with Enhanced Audio and 10/12 Bit Deep Color Video Support

Data Sheet

Sil 9134 Pin Diagram

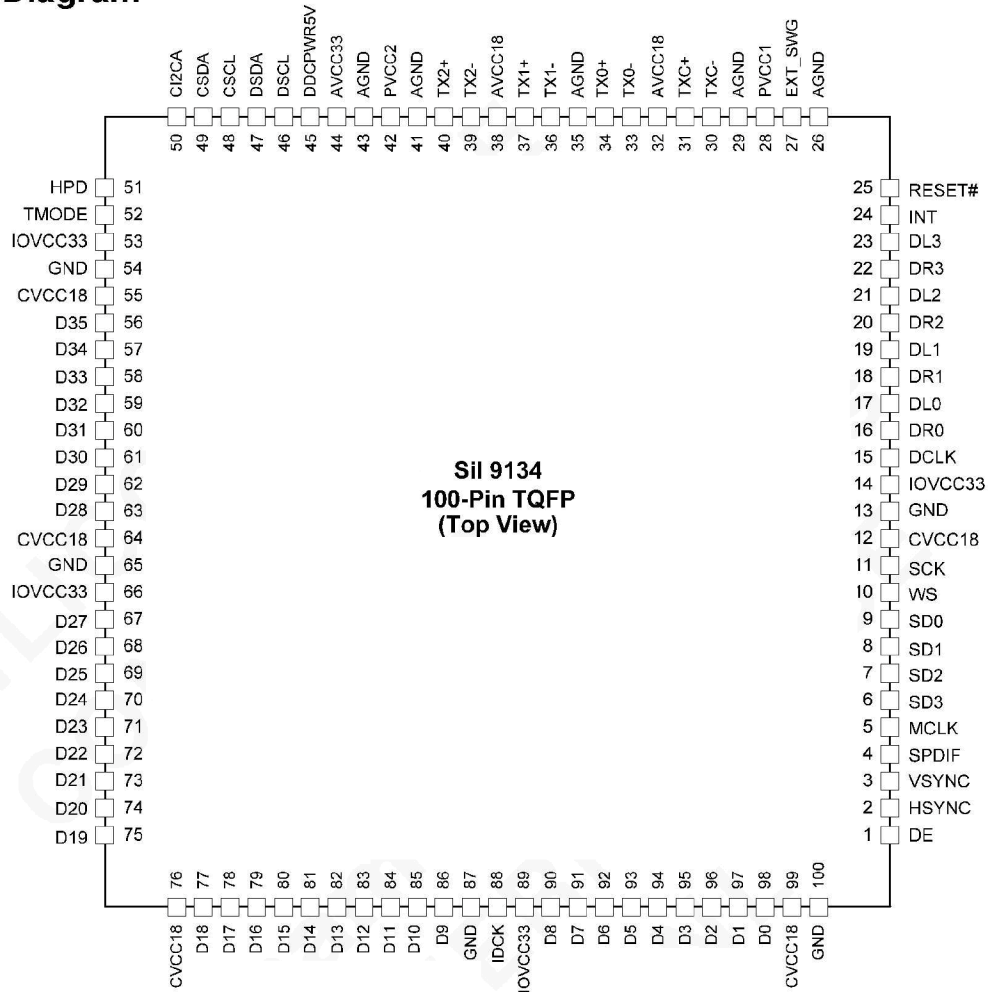


Figure 1. 100-Pin TQFP Pinout Diagram

Functional Description

The Sil 9134 provides a complete solution for transmitting HDMI compliant digital audio/video. Specialized audio/video processing available within the Sil 9134 easily and cost effectively adds HDMI capability to consumer electronics devices. Figure 2 shows the functional blocks of the device. Pin descriptions begin on page 35.

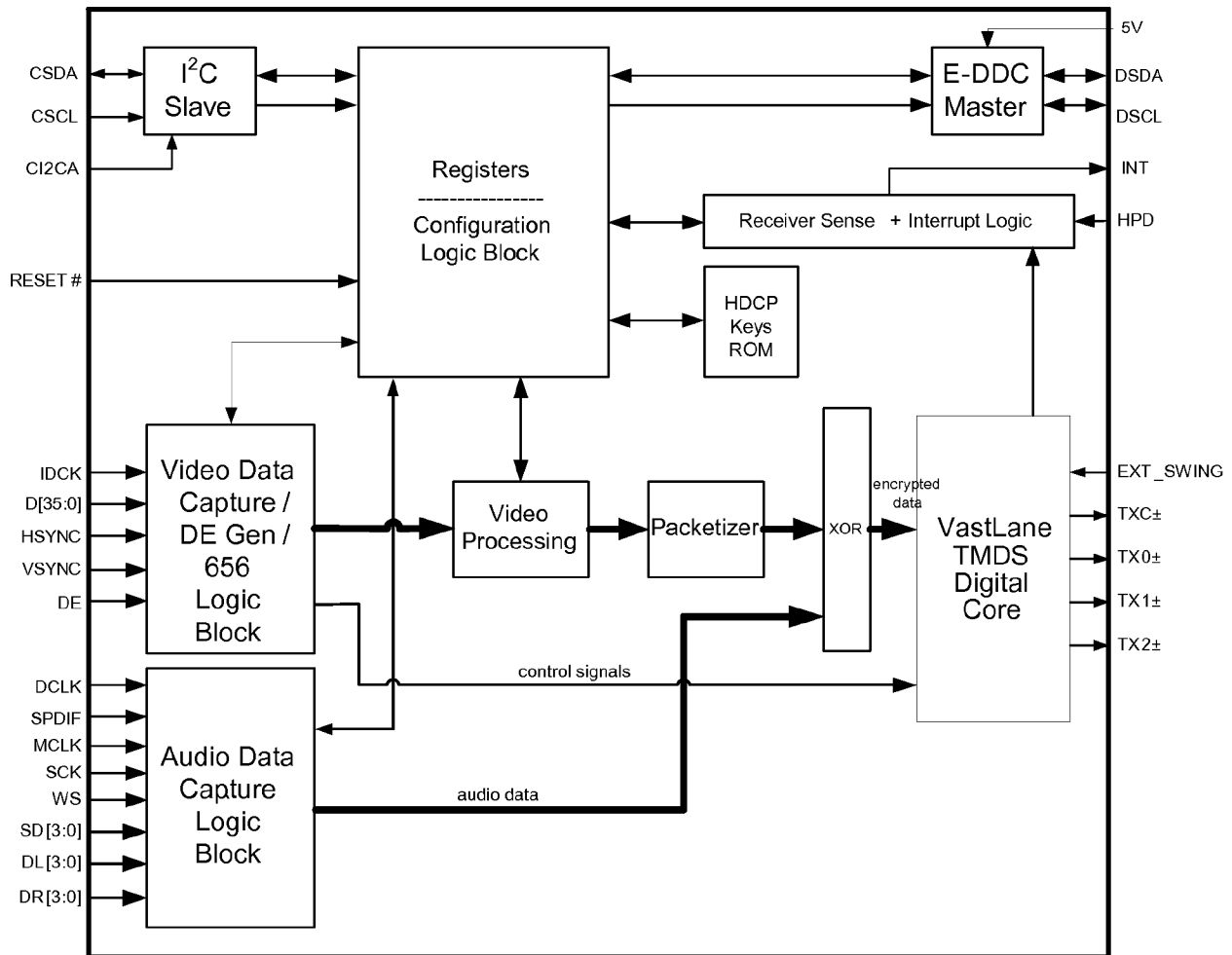
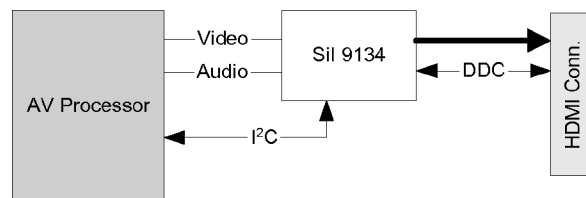


Figure 2. Functional Block Diagram



ES29LV320E

32Mbit(4M x 8/2M x 16)

CMOS 3.0 Volt-only, Boot Sector Flash Memory

GENERAL FEATURES

- **Single power supply operation**
 - 2.7V ~ 3.6V for read, program and erase operations
- **Sector Structure**
 - 8Kbyte x 8 boot sectors
 - 64Kbyte x 63 sectors
 - 256byte security sector
- **Top or Bottom boot block**
 - ES29LV320ET for Top boot block device
 - ES29LV320EB for Bottom boot block device
- **A 256 bytes of extra sector for security code**
 - Factory locked
 - Customer lockable
- **Package Options**
 - 48-pin TSOP
 - 48-ball FBGA
 - Pb-free packages
 - All Pb-free products are RoHS-Compliant
- **Low Vcc write inhibit**
- **Manufactured on 0.18um process technology**
- **Compatible with JEDEC standards**
 - Pinout and software compatible with single-power supply flash standard

DEVICE PERFORMANCE

- **Read access time**
 - 70ns/90ns for normal Vcc range (2.7V ~ 3.6V)
- **Program and erase time**
 - Program time : 6us/byte, 8us/word (typical)
 - Accelerated program time : 4us/word (typical)
 - Sector erase time : 0.7sec/sector (typical)
- **Power consumption (typical values)**
 - 15uA in standby or automatic sleep mode
 - 10mA active read current at 5MHz
 - 15mA active write current during program or erase

- **Minimum 100,000 program/erase cycles per sector**
- **20 Year data retention at 125°C**

SOFTWARE FEATURES

- **Erase Suspend / Erase Resume**
- **Data# poll and toggle for Program/erase status**
- **CFI (Common Flash Interface) supported**
- **Unlock Bypass Program**
- **Autoselect mode**
- **Auto-sleep mode after t_{ACC} + 30ns**

HARDWARE FEATURES

- **Hardware reset input pin (RESET#)**
 - Provides a hardware reset to device
 - Any internal device operation is terminated and the device returns to read mode by the reset
- **Ready/Busy# output pin (RY/BY#)**
 - Provides a program or erase operational status about whether it is finished for read or still being progressed
- **WP#/ACC input pin**
 - Two outermost boot sectors are protected when WP# is set to low, regardless of sector protection
 - Program speed is accelerated by raising WP#/ACC to a high voltage (11.5V~12.5V)
- **Sector protection / unprotection (RESET# , A9)**
 - Hardware method of locking a sector to prevent any program or erase operation within that sector
 - Two methods are provided :
 - In-system method by RESET# pin
 - A9 high-voltage method for PROM programmers
- **Temporary Sector Unprotection (RESET#)**
 - Allows temporary unprotection of previously protected sectors to change data in-system

GENERAL PRODUCT DESCRIPTION

The ES29LV320 is a 32 megabit, 3.0 volt-only flash memory device, organized as 4M x 8 bits (Byte mode) or 2M x 16 bits (Word mode) which is configurable by BYTE#. Eight boot sectors and sixty three main sectors with uniform size are provided : 8Kbytes x 8 and 64Kbytes x 63. The device is manufactured with ESI's proprietary, high performance and highly reliable 0.18um CMOS flash technology. The device can be programmed or erased in-system with standard 3.0 Volt Vcc supply (2.7V~3.6V) and can also be programmed in standard EPROM programmers. The device offers minimum endurance of 100,000 program/erase cycles and more than 10 years of data retention.

The ES29LV320 offers access time as fast as 70ns or 90ns, allowing operation of high-speed microprocessors without wait states. Three separate control pins are provided to eliminate bus contention : chip enable (CE#), write enable (WE#) and output enable (OE#).

All program and erase operation are automatically and internally performed and controlled by embedded program/erase algorithms built in the device. The device automatically generates and times the necessary high-voltage pulses to be applied to the cells, performs the verification, and counts the number of sequences. Some status bits (DQ7, DQ6 and DQ5) read by data# polling or toggling between consecutive read cycles provide to the users the internal status of program/erase operation: whether it is successfully done or still being progressed.

Extra Security Sector of 256 bytes

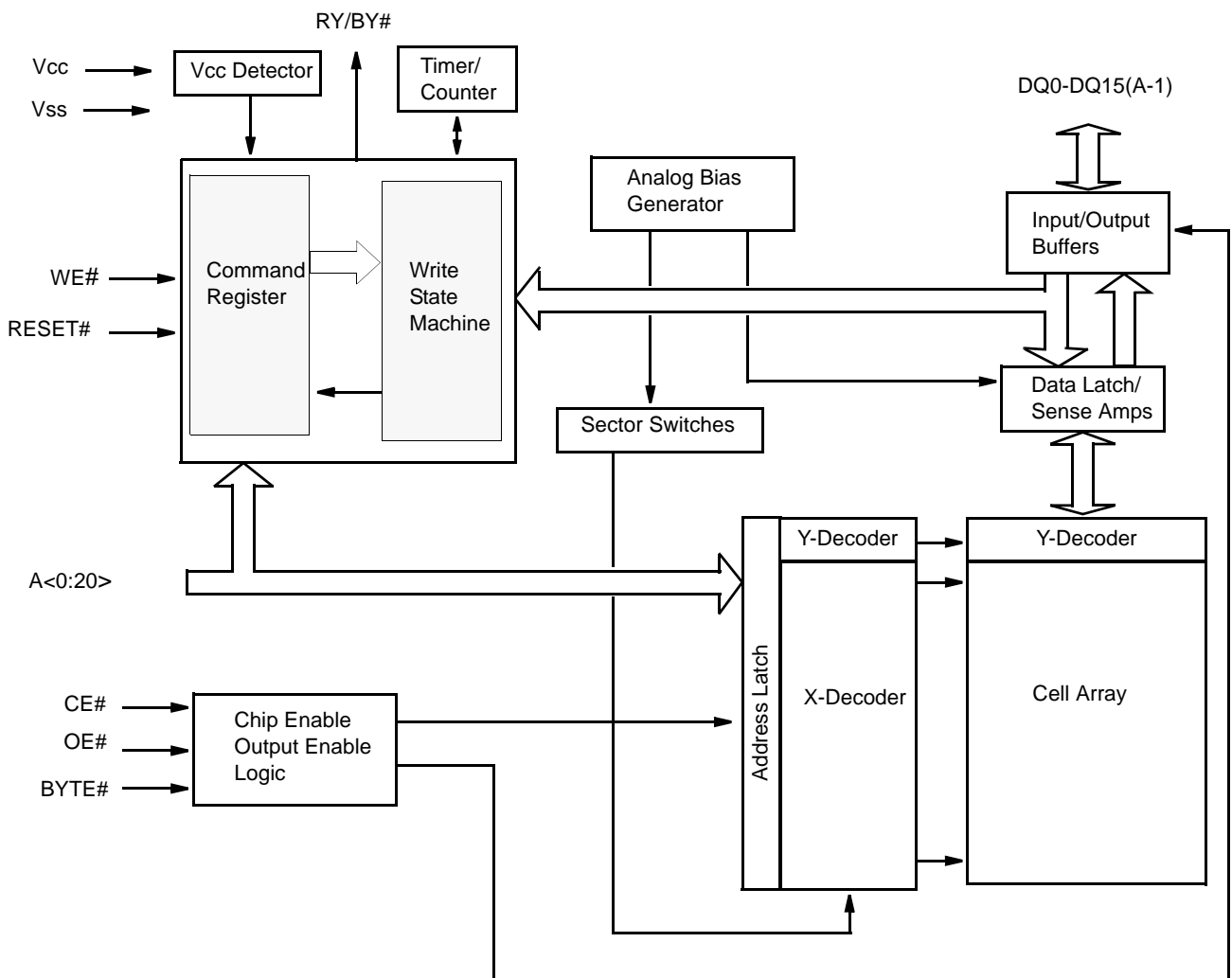
In the device, an extra security sector of 256 bytes is provided to customers. This extra sector can be used for various purposes such as storing ESN (Electronic Serial Number) or customer's security codes. Once after the extra sector is written, it can be permanently locked by the device manufacturer (**factory-locked**) or a customer(**customer-lockble**). At the same time, a **lock indicator bit (DQ7)** is permanently set to a 1 if the part is factory- locked, or set to 0 if it is customer-lockable. Therefore, this lock indicator bit (DQ7) can be properly used to avoid that any customer-lockable part is used to replace a factory-locked part. The extra security sector is an extra memory space for customers when it is used as a customer-lockable version. So, it can be read and written like any other sectors. But it should be noted that the number of E/W(Erase and Write) cycles is limited to 300 times (maximum) only in the Security Sector.

Special services such as ESN and factory-lock are available to customers (ESI's **Special-Code service**) The ES29LV320 is completely compatible with the JEDEC standard command set of single power supply Flash. Commands are written to the internal command register using standard write timings of microprocessor and data can be read out from the cell array in the device with the same way as used in other EPROM or flash devices.

PRODUCT SELECTOR GUIDE

Family Part Number	ES29LV320E	
Voltage Range	2.7V ~ 3.6 V	
Speed Option	70	90
Max Access Time (ns)	70	90
CE# Access (ns)	70	90
OE# Access (ns)	30	40

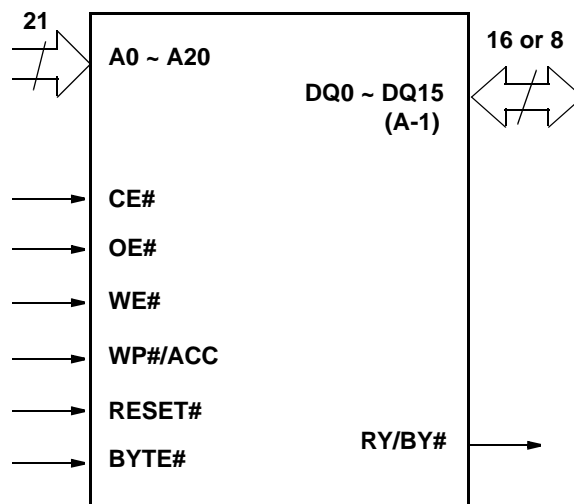
FUNCTION BLOCK DIAGRAM



PIN DESCRIPTION

Pin	Description
A0-A20	21 Addresses
DQ0-DQ14	15 Data Inputs/Outputs
DQ15/A-1	DQ15 (Data Input/Output, Word Mode) A-1 (LSB Address Input, Byte Mode)
CE#	Chip Enable
OE#	Output Enable
WE#	Write Enable
WP#/ACC	Hardware Write Protect/Acceleration Pin
RESET#	Hardware Reset Pin, Active Low
BYTE#	Selects 8-bit or 16-bit mode
RY/BY#	Ready/Busy Output
Vcc	3.0 volt-only single power supply (see Product Selector Guide for speed options and voltage supply tolerances)
Vss	Device Ground
NC	Pin Not Connected Internally

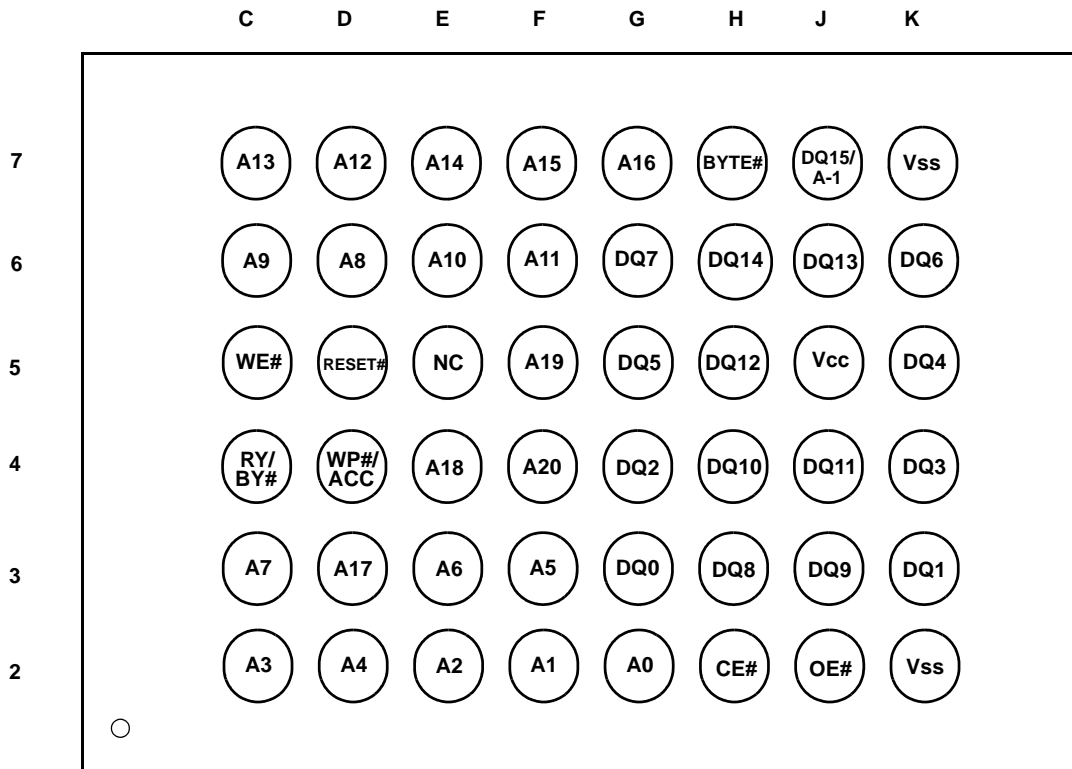
LOGIC SYMBOL



CONNECTION DIAGRAM



48-Ball FBGA 6 x 8 mm)
(Top View, Balls Facing Down)



256Mb DDR SDRAM Specification

A3S56D30ETP

A3S56D40ETP



A3S56D30ETP

A3S56D40ETP

256M Double Data Rate Synchronous DRAM

DESCRIPTION

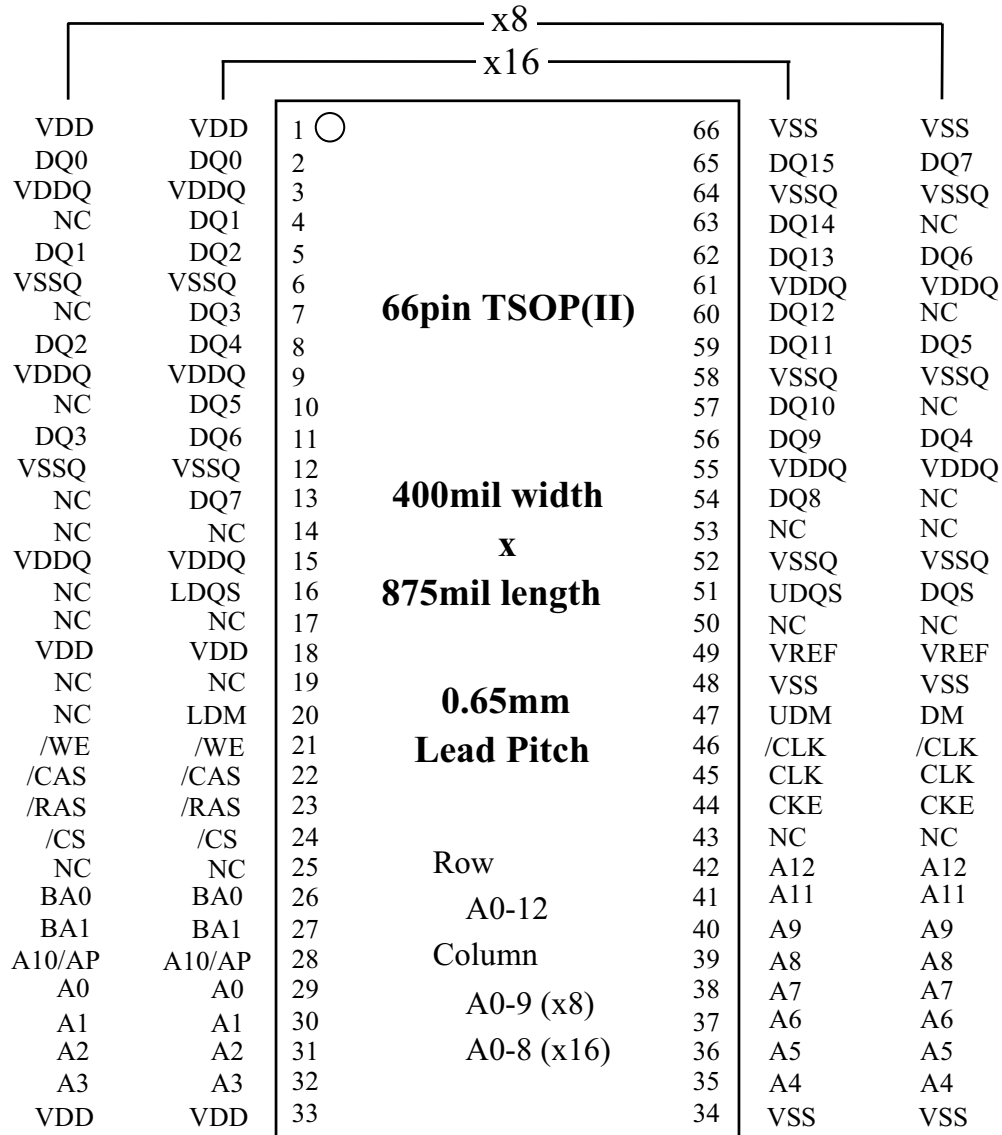
A3S56D30ETP is a 4-bank x 8,388,608-word x 8bit, A3S56D40ETP is a 4-bank x 4,194,304-word x 16bit double data rate synchronous DRAM , with SSTL_2 interface. All control and address signals are referenced to the rising edge of CLK. Input data is registered on both edges of data strobe ,and output data and data strobe are referenced on both edges of CLK. The A3S56D30/40ETP achieves very high speed clock rate up to 200 MHz .

FEATURES

- Vdd=Vddq=2.5V±0.2V (-5E, -5, -6)
- Double data rate architecture ; two data transfers per clock cycle.
- Bidirectional , data strobe (DQS) is transmitted/received with data
- Differential clock input (CLK and /CLK)
- DLL aligns DQ and DQS transitions with CLK transitions edges of DQS
- Commands entered on each positive CLK edge ;
- Data and data mask referenced to both edges of DQS
- 4 bank operation controlled by BA0 , BA1 (Bank Address)
- /CAS latency - 2.0 / 2.5 / 3.0 (programmable) ;
- Burst length - 2 / 4 / 8 (programmable)
- Burst type - Sequential / Interleave (programmable)
- Auto precharge / All bank precharge controlled by A10
- Support concurrent auto-precharge
- 8192 refresh cycles / 64ms (4 banks concurrent refresh)
- Auto refresh and Self refresh
- Row address A0-12 / Column address A0-9(x8) /A0-8(x16)
- SSTL_2 Interface
- Package 400-mil, 66-pin Thin Small Outline Package (TSOP II) with 0.65mm lead pitch


A3S56D30ETP
A3S56D40ETP

256M Double Data Rate Synchronous DRAM

Pin Assignment (Top View) 66-pin TSOP

CLK, /CLK	: Master Clock	A0-12	: Address Input
CKE	: Clock Enable	BA0,1	: Bank Address Input
/CS	: Chip Select	Vdd	: Power Supply
/RAS	: Row Address Strobe	VddQ	: Power Supply for Output
/CAS	: Column Address Strobe	Vss	: Ground
/WE	: Write Enable	VssQ	: Ground for Output
DQ0-15	: Data I/O (x16)		
DQ0-7	: Data I/O (x8)		
UDM, LDM	: Write Mask (x16)		
DM	: Write Mask (x8)		
UDQS, LDQS	: Data Strobe (x16)		
DQS	: Data Strobe (x8)		



A3S56D30ETP
A3S56D40ETP

256M Double Data Rate Synchronous DRAM

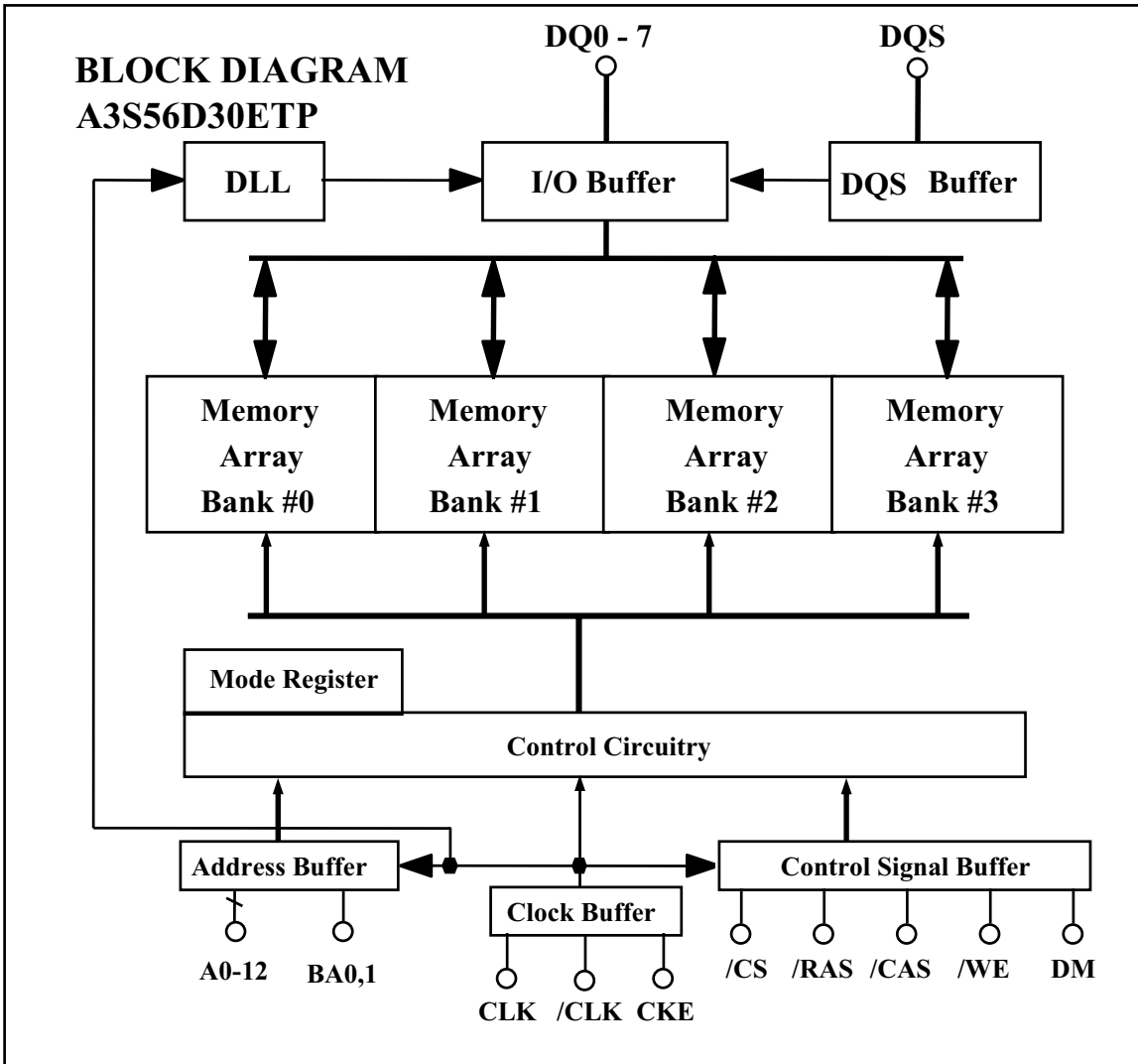
PIN FUNCTION

SYMBOL	TYPE	DESCRIPTION
CLK, /CLK	Input	Clock: CLK and /CLK are differential clock inputs. All address and control input signals are sampled on the crossing of the positive edge of CLK and negative edge of /CLK. Output (read) data is referenced to the crossings of CLK and /CLK (both directions of crossing).
CKE	Input	Clock Enable: CKE controls internal clock. When CKE is low, internal clock for the following cycle is ceased. CKE is also used to select auto / self refresh. After self refresh mode is started, CKE becomes asynchronous input. Self refresh is maintained as long as CKE is low.
/CS	Input	Chip Select: When /CS is high, any command means No Operation.
/RAS, /CAS, /WE	Input	Combination of /RAS, /CAS, /WE defines basic commands.
A0-12	Input	A0-12 specify the Row / Column Address in conjunction with BA0,1. The Row Address is specified by A0-12. The Column Address is specified by A0-9(x8) and A0-8(x16). A10 is also used to indicate precharge option. When A10 is high at a read / write command, an auto precharge is performed. When A10 is high at a precharge command, all banks are precharged.
BA0,1	Input	Bank Address: BA0,1 specifies one of four banks to which a command is applied. BA0,1 must be set with ACT, PRE, READ, WRITE commands.
DQ0-7 (x8), DQ0-15 (x16),	Input / Output	Data Input/Output: Data bus
DQS (x8) UDQS, LDQS (x16)	Input / Output	Data Strobe: Output with read data, input with write data. Edge-aligned with read data, centered in write data. Used to capture write data. For the x16, LDQS corresponds to the data on DQ0-DQ7; UDQS correspond to the data on DQ8-DQ15
DM (x8) UDM, LDM (x16)	Input	Input Data Mask: DM is an input mask signal for write data. Input data is masked when DM is sampled HIGH along with that input data during a WRITE access. DM is sampled on both edges of DQS. Although DM pins are input only, the DM loading matches the DQ and DQS loading. For the x16, LDM corresponds to the data on DQ0-DQ7; UDM corresponds to the data on DQ8-DQ15.
Vdd, Vss	Power Supply	Power Supply for the memory array and peripheral circuitry.
VddQ, VssQ	Power Supply	VddQ and VssQ are supplied to the Output Buffers only.
Vref	Input	SSTL_2 reference voltage.



A3S56D30ETP
A3S56D40ETP

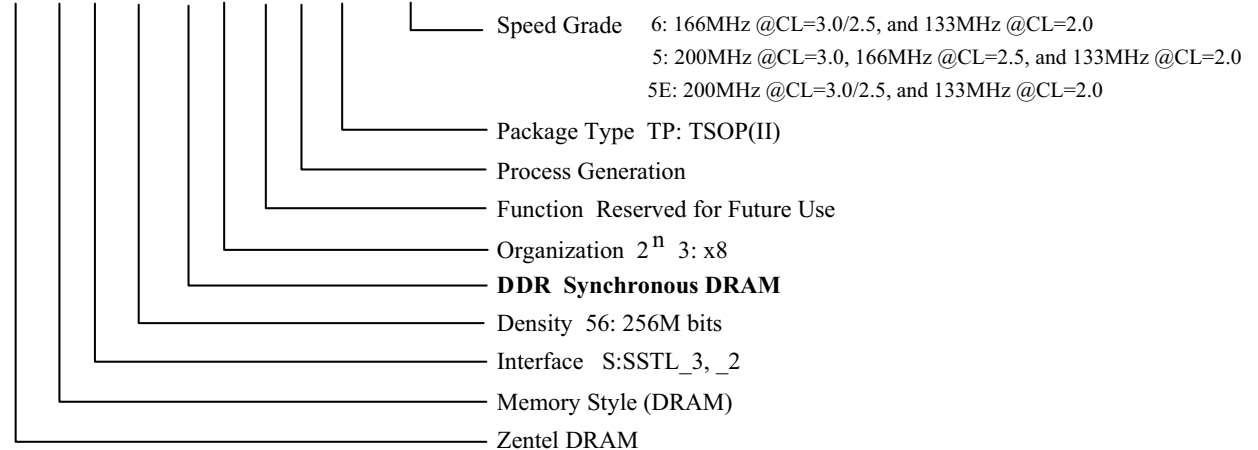
256M Double Data Rate Synchronous DRAM



Type Designation Code

This rule is applied to only Synchronous DRAM family.

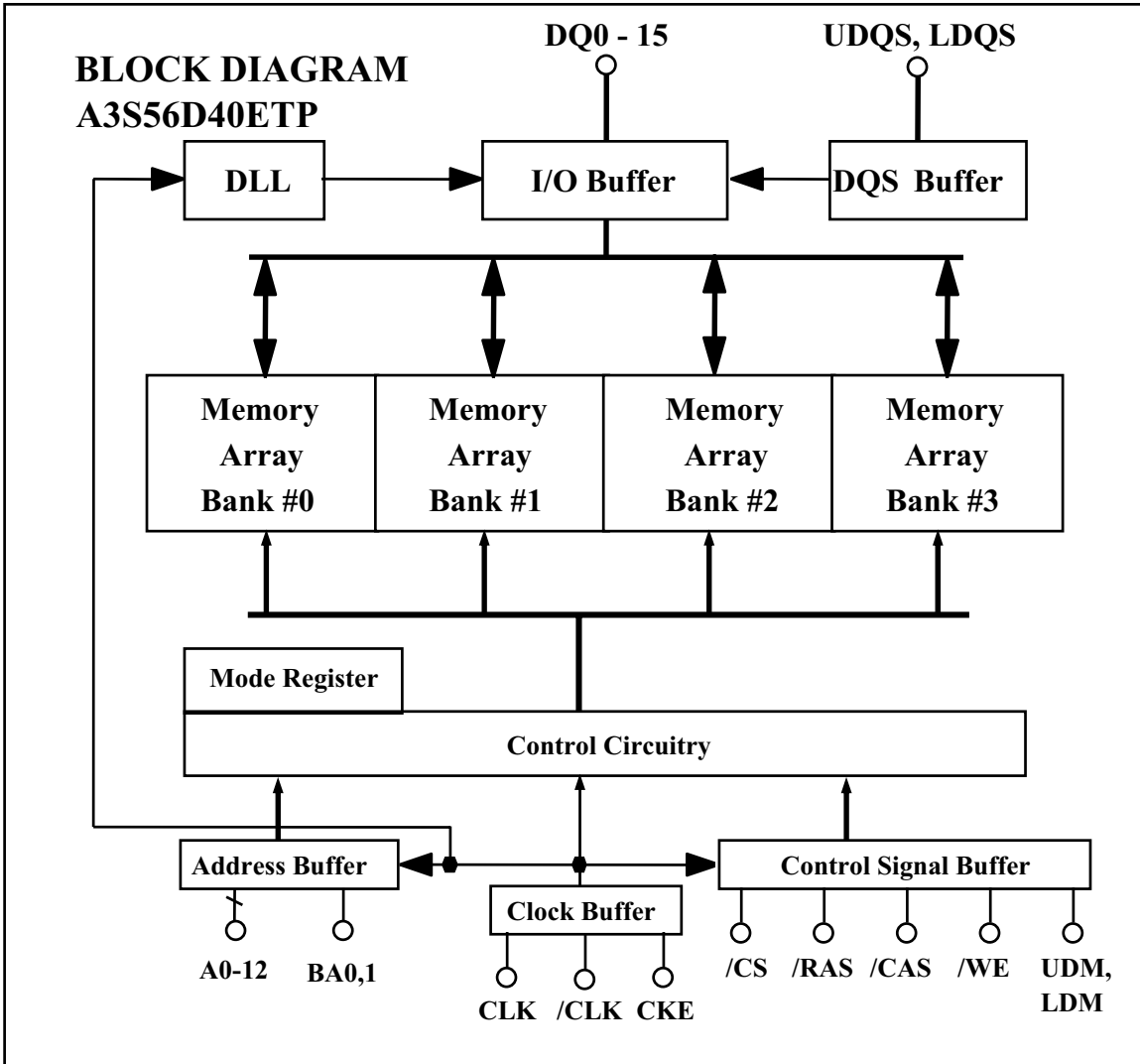
A 3 S 56 D 3 0 E TP -G5





A3S56D30ETP
A3S56D40ETP

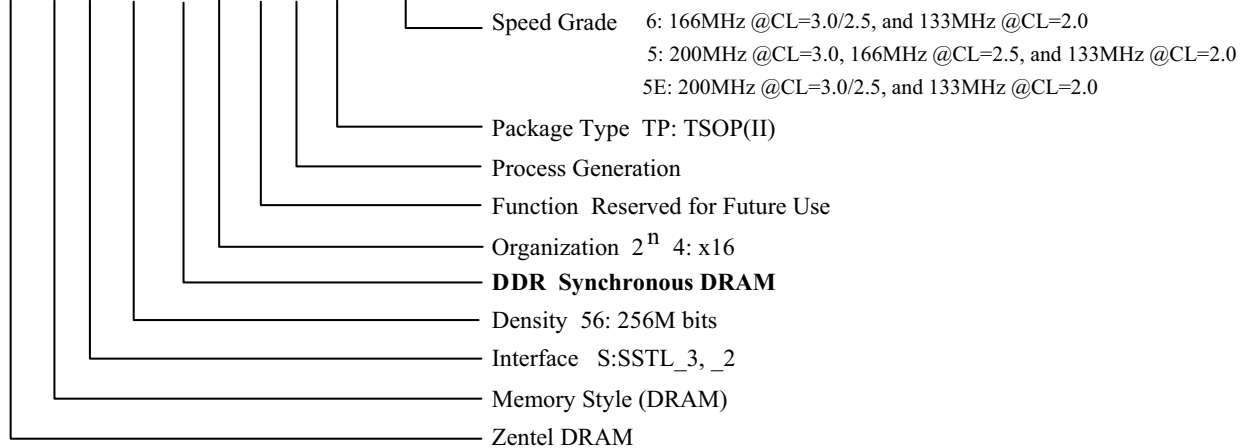
256M Double Data Rate Synchronous DRAM



Type Designation Code

This rule is applied to only Synchronous DRAM family.

A 3 S 56 D 4 0 E TP -G5



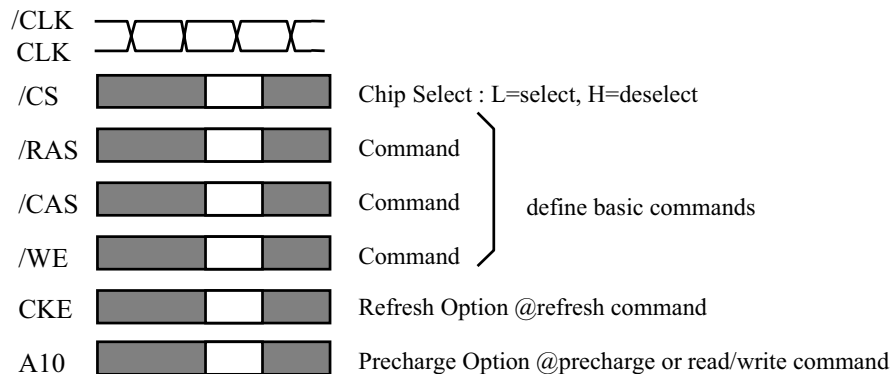


A3S56D30ETP
A3S56D40ETP

256M Double Data Rate Synchronous DRAM

BASIC FUNCTIONS

The A3S56D30/40ETP provides basic functions, bank (row) activate, burst read / write, bank (row) precharge, and auto / self refresh. Each command is defined by control signals of /RAS, /CAS and /WE at CLK rising edge. In addition to 3 signals, /CS, CKE and A10 are used as chip select, refresh option, and precharge option, respectively. To know the detailed definition of commands, please see the command truth table.



Activate (ACT) [/RAS =L, /CAS =/WE =H]

ACT command activates a row in an idle bank indicated by BA.

Read (READ) [/RAS =H, /CAS =L, /WE =H]

READ command starts burst read from the active bank indicated by BA. First output data appears after /CAS latency. When A10 =H at this command, the bank is deactivated after the burst read (auto-precharge, **READA**)

Write (WRITE) [/RAS =H, /CAS =/WE =L]

WRITE command starts burst write to the active bank indicated by BA. Total data length to be written is set by burst length. When A10 =H at this command, the bank is deactivated after the burst write (auto-precharge, **WRITEA**)

Precharge (PRE) [/RAS =L, /CAS =H, /WE =L]

PRE command deactivates the active bank indicated by BA. This command also terminates burst read /write operation. When A10 =H at this command, all banks are deactivated (precharge all, **PREA**).

Auto-Refresh (REFA) [/RAS =/CAS =L, /WE =CKE =H]

REFA command starts auto-refresh cycle. Refresh address including bank address are generated internally. After this command, the banks are precharged automatically.



A3S56D30ETP
A3S56D40ETP

256M Double Data Rate Synchronous DRAM

COMMAND TRUTH TABLE

COMMAND	MNEMONIC	CKE _{n-1}	CKE _n	/CS	/RAS	/CAS	/WE	BA0,1	A10 /AP	A0-9, 11-12	note
Deselect	DESEL	H	X	H	X	X	X	X	X	X	
No Operation	NOP	H	X	L	H	H	H	X	X	X	
Row Address Entry & Bank Activate	ACT	H	H	L	L	H	H	V	V	V	
Single Bank Precharge	PRE	H	H	L	L	H	L	V	L	X	
Precharge All Banks	PREA	H	H	L	L	H	L	X	H	X	
Column Address Entry & Write	WRITE	H	H	L	H	L	L	V	L	V	
Column Address Entry & Write with Auto-Precharge	WRITEA	H	H	L	H	L	L	V	H	V	
Column Address Entry & Read	READ	H	H	L	H	L	H	V	L	V	
Column Address Entry & Read with Auto-Precharge	READA	H	H	L	H	L	H	V	H	V	
Auto-Refresh	REFA	H	H	L	L	L	H	X	X	X	
Self-Refresh Entry	REFS	H	L	L	L	L	H	X	X	X	
Self-Refresh Exit	REFSX	L	H	H	X	X	X	X	X	X	
		L	H	L	H	H	H	X	X	X	
Burst Terminate	TERM	H	H	L	H	H	L	X	X	X	1
Mode Register Set	MRS	H	H	L	L	L	L	L	L	V	2

H=High Level, L=Low Level, V=Valid, X=Don't Care, n=CLK cycle number

NOTE:

1. Applies only to read bursts with autoprecharge disabled; this command is undefined (and should not be used) for read bursts with autoprecharge enabled, and for write bursts.
2. BA0-BA1 select either the Base or the Extended Mode Register (BA0 = 0, BA1 = 0 selects Mode Register; BA0=1, BA1 = 0 selects Extended Mode Register; other combinations of BA0-BA1 are reserved; A0-A12 provide the op-code to be written to the selected Mode Register.



A3S56D30ETP
A3S56D40ETP

256M Double Data Rate Synchronous DRAM

FUNCTION TRUTH TABLE

Current State	/CS	/RAS	/CAS	/WE	Address	Command	Action	Notes
IDLE	H	X	X	X	X	DESEL	NOP	
	L	H	H	H	X	NOP	NOP	
	L	H	H	L	BA	TERM	ILLEGAL	2
	L	H	L	X	BA, CA, A10	READ / WRITE	ILLEGAL	2
	L	L	H	H	BA, RA	ACT	Bank Active, Latch RA	
	L	L	H	L	BA, A10	PRE / PREA	NOP	4
	L	L	L	H	X	REFA	Auto-Refresh	5
	L	L	L	L	Op-Code, Mode-Add	MRS	Mode Register Set	5
ROW ACTIVE	H	X	X	X	X	DESEL	NOP	
	L	H	H	H	X	NOP	NOP	
	L	H	H	L	BA	TERM	ILLEGAL	
	L	H	L	H	BA, CA, A10	READ / READA	Begin Read, Latch CA, Determine Auto-Precharge	
	L	H	L	L	BA, CA, A10	WRITE / WRITEA	Begin Write, Latch CA, Determine Auto-Precharge	
	L	L	H	H	BA, RA	ACT	Bank Active / ILLEGAL	2
	L	L	H	L	BA, A10	PRE / PREA	Precharge / Precharge All	
	L	L	L	H	X	REFA	ILLEGAL	
	L	L	L	L	Op-Code, Mode-Add	MRS	ILLEGAL	
READ(Auto-Precharge Disabled)	H	X	X	X	X	DESEL	NOP (Continue Burst to END)	
	L	H	H	H	X	NOP	NOP (Continue Burst to END)	
	L	H	H	L	BA	TERM	Terminate Burst	
	L	H	L	H	BA, CA, A10	READ / READA	Terminate Burst, Latch CA, Begin New Read, Determine Auto-Precharge	3
	L	H	L	L	BA, CA, A10	WRITE / WRITEA	ILLEGAL	
	L	L	H	H	BA, RA	ACT	Bank Active / ILLEGAL	2
	L	L	H	L	BA, A10	PRE / PREA	Terminate Burst, Precharge	
	L	L	L	H	X	REFA	ILLEGAL	
L	L	L	L	Op-Code, Mode-Add	MRS	ILLEGAL		



A3S56D30ETP
A3S56D40ETP

256M Double Data Rate Synchronous DRAM

FUNCTION TRUTH TABLE (continued)

Current State	/CS	/RAS	/CAS	/WE	Address	Command	Action	Notes
WRITE(Auto-Precharge Disabled)	H	X	X	X	X	DESEL	NOP (Continue Burst to END)	
	L	H	H	H	X	NOP	NOP (Continue Burst to END)	
	L	H	H	L	BA	TERM	ILLEGAL	
	L	H	L	H	BA, CA, A10	READ / READA	Terminate Burst, Latch CA, Begin Read, Determine Auto-Precharge	3
	L	H	L	L	BA, CA, A10	WRITE / WRITEA	Terminate Burst, Latch CA, Begin Write, Determine Auto-Precharge	3
	L	L	H	H	BA, RA	ACT	Bank Active / ILLEGAL	2
	L	L	H	L	BA, A10	PRE / PREA	Terminate Burst, Precharge	
	L	L	L	H	X	REFA	ILLEGAL	
READ with Auto-Precharge	L	L	L	L	Op-Code, Mode-Add	MRS	ILLEGAL	
	H	X	X	X	X	DESEL	NOP (Continue Burst to END)	
	L	H	H	H	X	NOP	NOP (Continue Burst to END)	
	L	H	H	L	BA	TERM	ILLEGAL	
	L	H	L	H	BA, CA, A10	READ / READA	Support Concurrent Auto-Precharge	
	L	H	L	L	BA, CA, A10	WRITE / WRITEA	Support Concurrent Auto-Precharge	
	L	L	H	H	BA, RA	ACT	Bank Active / ILLEGAL	2
	L	L	H	L	BA, A10	PRE / PREA	Precharge / ILLEGAL	2
WRITE with Auto-Precharge	L	L	L	H	X	REFA	ILLEGAL	
	L	L	L	L	Op-Code, Mode-Add	MRS	ILLEGAL	
	H	X	X	X	X	DESEL	NOP (Continue Burst to END)	
	L	H	H	H	X	NOP	NOP (Continue Burst to END)	
	L	H	H	L	BA	TERM	ILLEGAL	
	L	H	L	H	BA, CA, A10	READ / READA	Support Concurrent Auto-Precharge	
	L	H	L	L	BA, CA, A10	WRITE / WRITEA	Support Concurrent Auto-Precharge	
	L	L	H	H	BA, RA	ACT	Bank Active / ILLEGAL	2
L	L	H	L	BA, A10	PRE / PREA	Precharge / ILLEGAL	2	
L	L	L	H	X	REFA	ILLEGAL		
L	L	L	L	Op-Code, Mode-Add	MRS	ILLEGAL		