

TA-E9000ES

SONY®

SERVICE MANUAL

2002.08

*US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model
Chinese Model*

SUPPLEMENT - 1

File this Supplement with the Service Manual.

Subject :

- **CHANGE OF DIGITAL BOARD AND POWER BOARD**

● CHANGE OF BOARDS

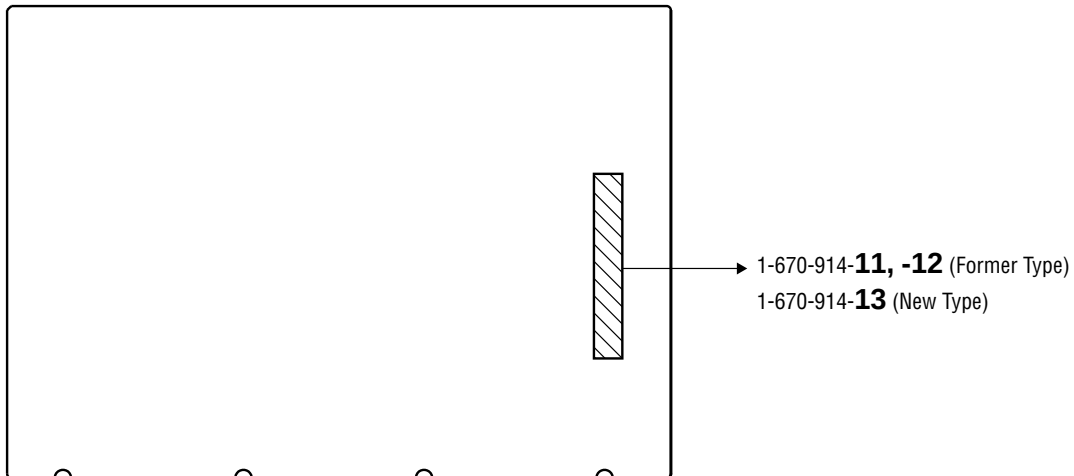
The digital board and power board has been changed.

Printed wiring board and schematic diagram of new type, and changed parts list are described in this Supplement-1.

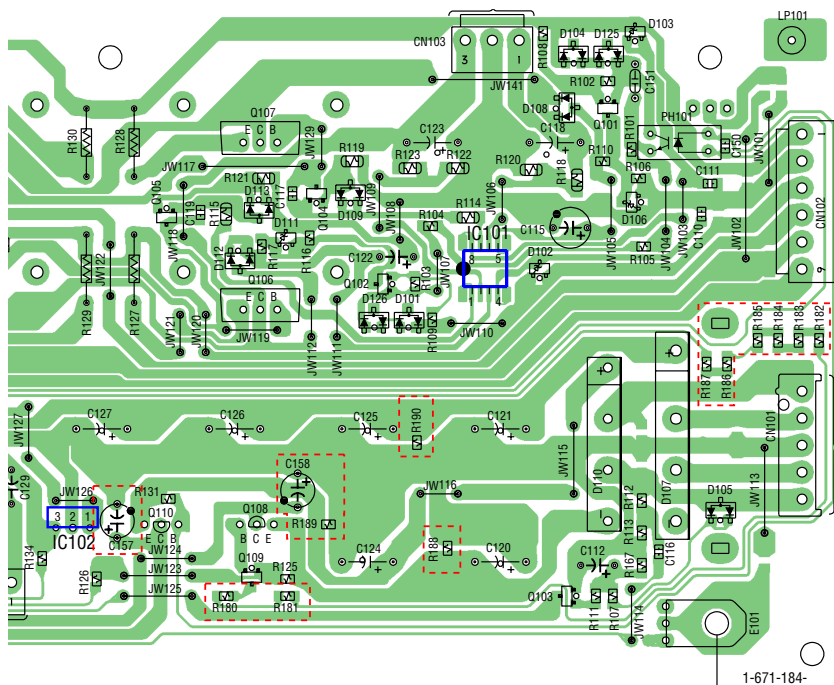
Refer to original service manual (9-928-800-12) previously issued for the other information.

NEW TYPE IDENTIFICATION

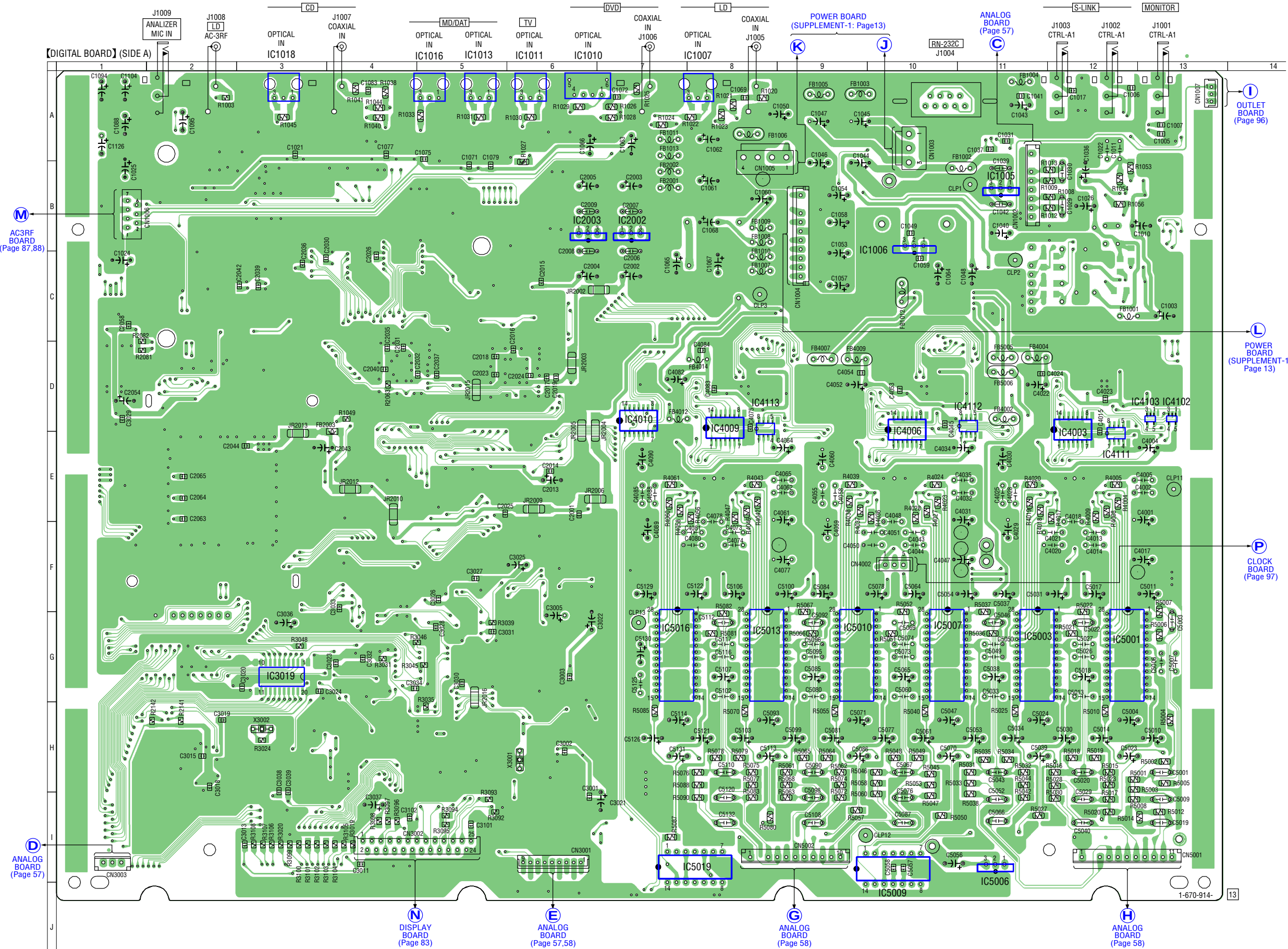
【DIGITAL BOARD】(SIDE B)



【POWER BOARD】 There are parts in the new type.



PRINTED WIRING BOARD – DIGITAL SECTION (1/2) –
Last digit-13



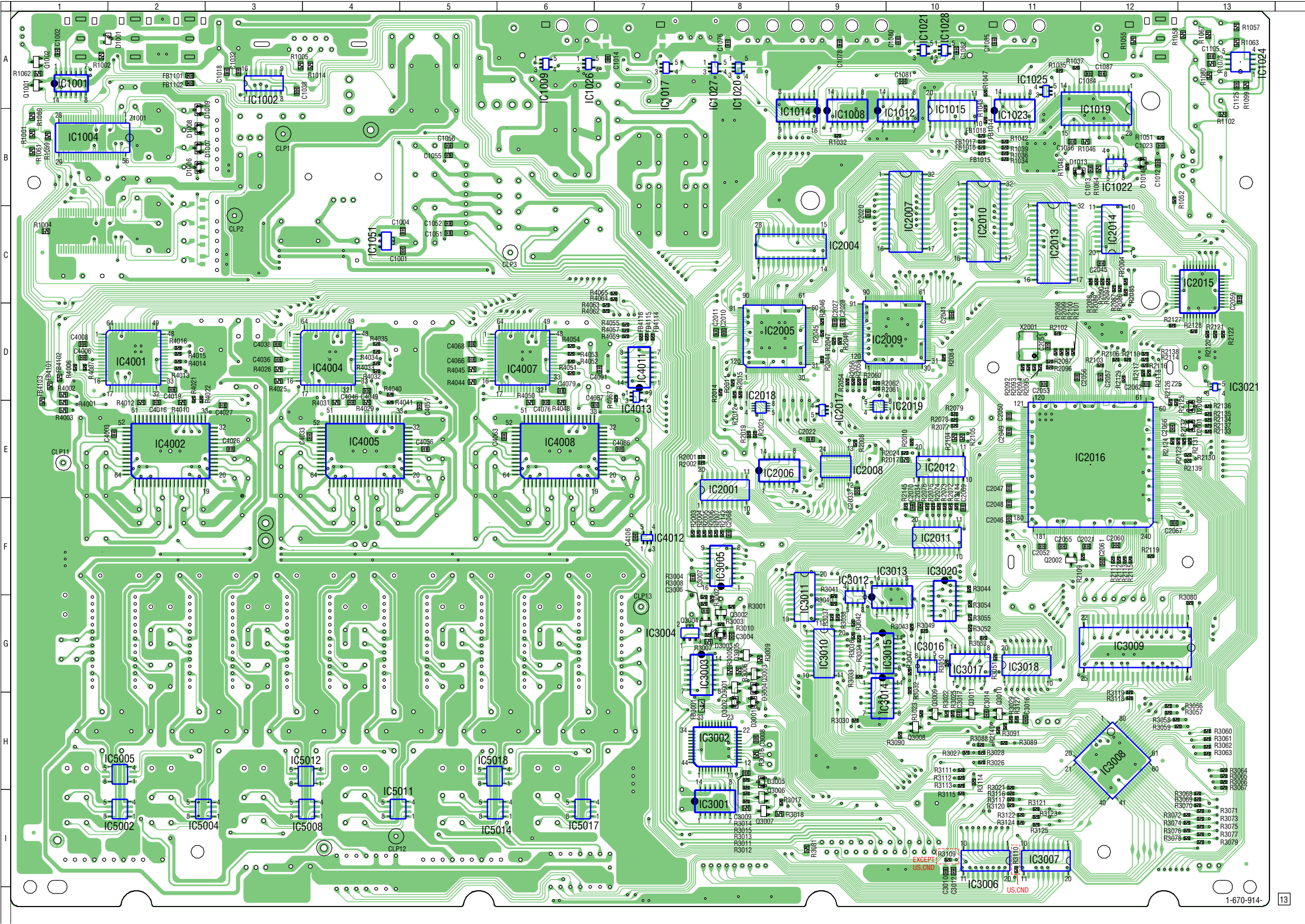
• Semiconductor Location

Ref. No.	Location
IC1005	B-11
IC1006	B-10
IC1007	A-8
IC1010	A-6
IC1011	A-6
IC1013	A-5
IC1016	A-5
IC1018	A-3
IC2002	B-7
IC2003	B-6
IC3019	G-3
IC4003	E-12
IC4006	D-10
IC4009	D-8
IC4010	D-7
IC4012	D-13
IC4013	D-13
IC4111	D-12
IC4112	D-11
IC4113	D-8
IC5001	G-12
IC5003	G-11
IC5006	I-11
IC5007	G-10
IC5009	I-10
IC5010	G-9
IC5013	G-8
IC5016	G-7
IC5019	I-7

- DIGITAL SECTION (2/2) -

Last digit-13

[DIGITAL BOARD] (SIDE B)

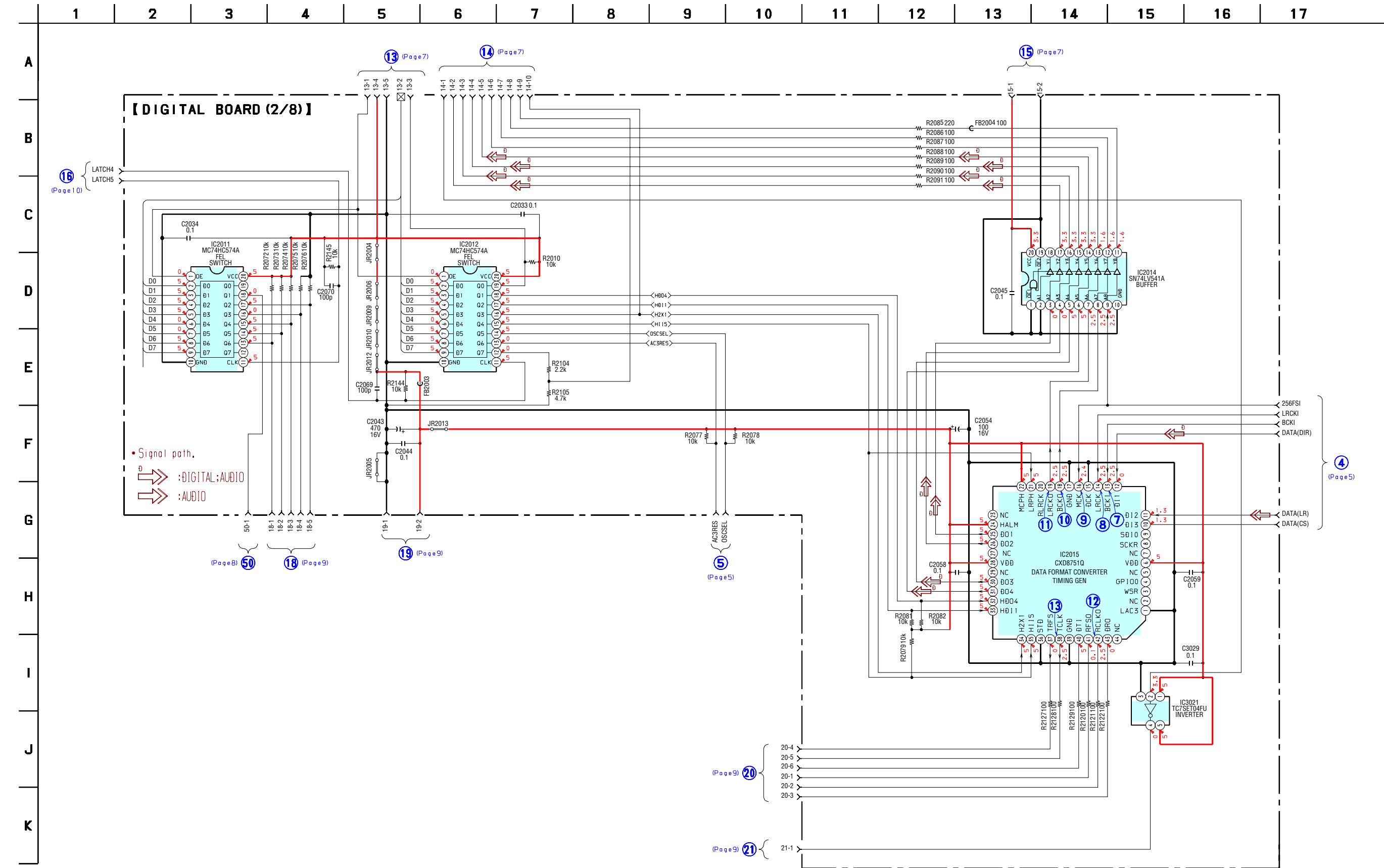


• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D1001	A-2	IC3002	H-8
D1006	B-2	IC3003	G-8
D1007	B-2	IC3004	G-7
D1008	B-2	IC3005	F-8
D1009	B-2	IC3006	I-10
D1013	B-11	IC3007	I-11
D1014	B-12	IC3008	H-12
D2001	E-13	IC3009	G-12
D2002	E-13	IC3010	G-9
D3001	H-8	IC3011	F-9
D3002	H-8	IC3012	F-9
D3003	G-8	IC3013	F-9
D3004	G-8	IC3014	H-9
D3005	H-8	IC3015	G-9
		IC3016	G-10
IC1001	A-1	IC3017	G-10
IC1002	A-3	IC3018	G-11
IC1004	B-1	IC3020	F-10
IC1008	B-9	IC3021	D-13
IC1009	A-6	IC4001	D-2
IC1012	B-10	IC4002	E-2
IC1014	B-9	IC4004	D-4
IC1015	B-10	IC4005	E-4
IC1017	A-7	IC4007	D-6
IC1019	A-12	IC4008	E-6
IC1020	A-8	IC4011	D-7
IC1021	A-10	IC4012	F-7
IC1022	B-12	IC4013	D-7
IC1023	B-11	IC5002	I-2
IC1024	A-13	IC5004	I-3
IC1025	A-11	IC5005	H-2
IC1026	A-6	IC5008	I-4
IC1027	A-8	IC5011	I-5
IC1028	A-10	IC5012	H-4
IC1051	C-4	IC5014	I-6
IC2001	E-8	IC5017	I-7
IC2004	C-8	IC5018	H-5
IC2005	D-8		
IC2006	E-8	Q1001	A-1
IC2007	C-10	Q1002	A-1
IC2008	E-9	Q2002	F-11
IC2009	D-10	Q3001	G-8
IC2010	C-10	Q3002	G-8
IC2011	F-10	Q3003	G-8
IC2012	E-10	Q3004	G-8
IC2013	C-11	Q3005	G-8
IC2014	C-12	Q3006	I-8
IC2015	C-13	Q3007	I-8
IC2016	E-12	Q3008	H-10
IC2017	E-9	Q3009	H-10
IC2018	E-8	Q3010	H-11
IC2019	E-9	Q3011	H-10
IC3001	I-8		

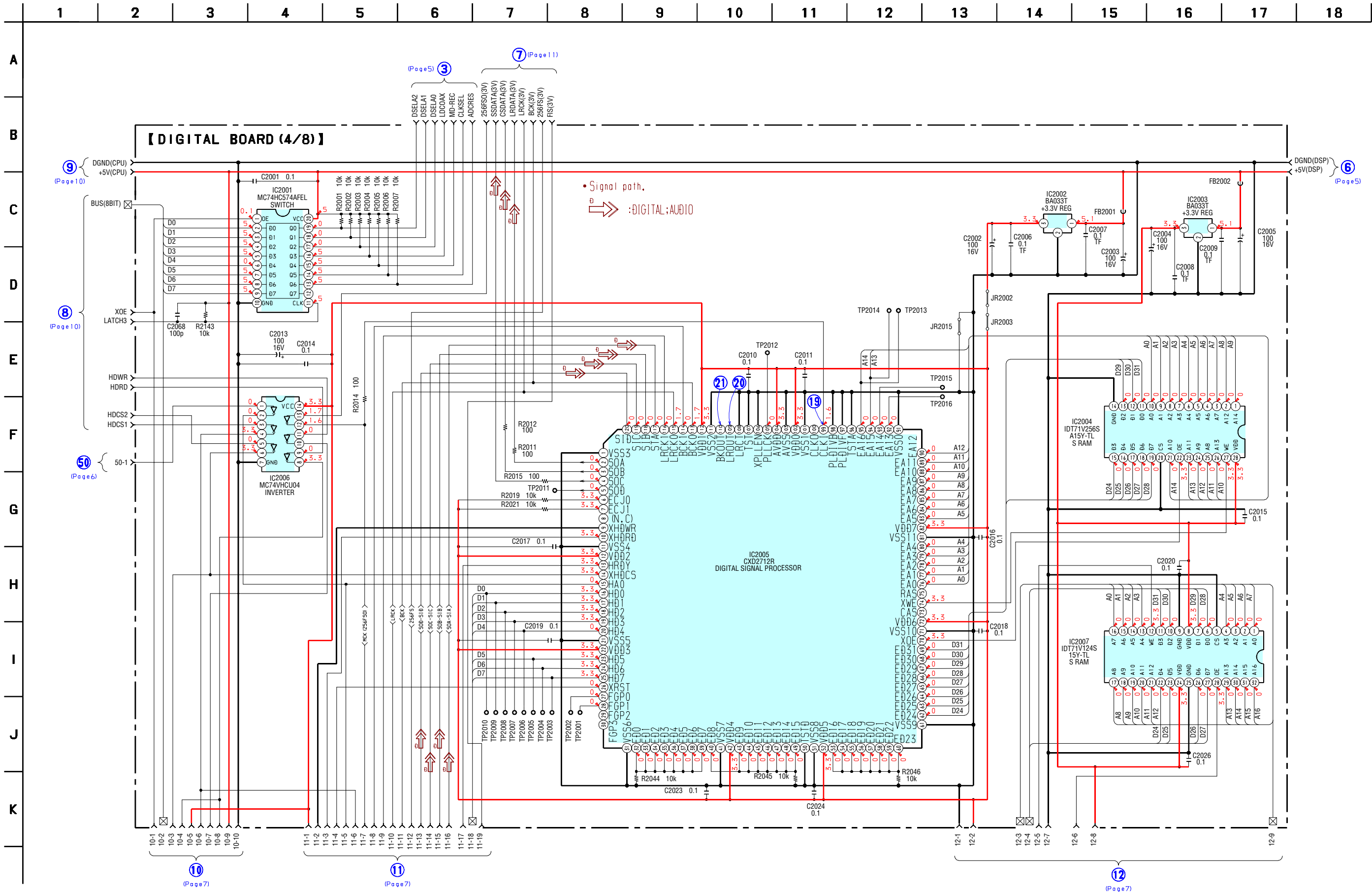
SCHEMATIC DIAGRAM – DIGITAL (2/8) SECTION – Last digit-13

- See page 42 for Waveforms.
- See page 105 for IC Pin Functions.



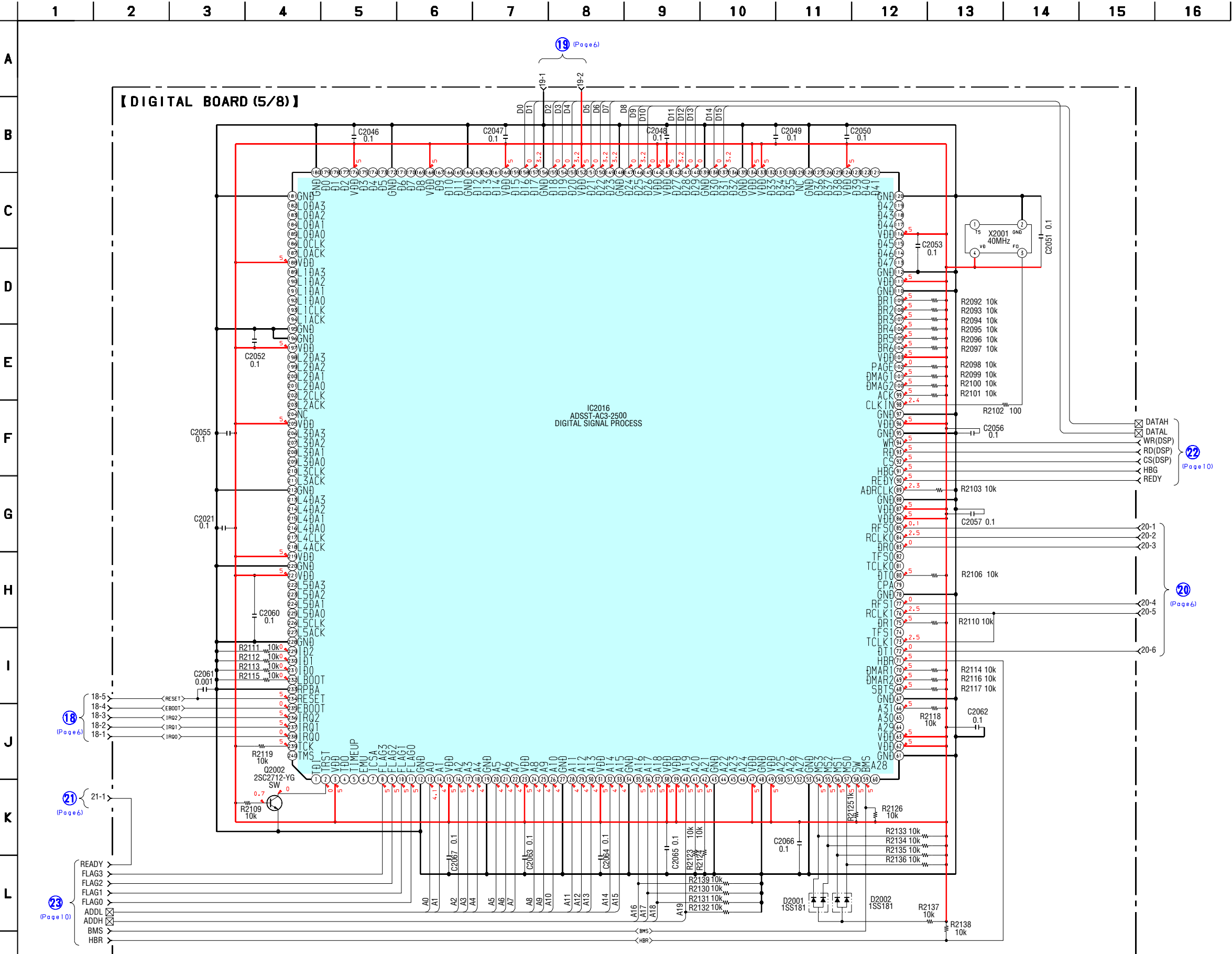
SCHEMATIC DIAGRAM – DIGITAL (4/8) SECTION – Last digit-13

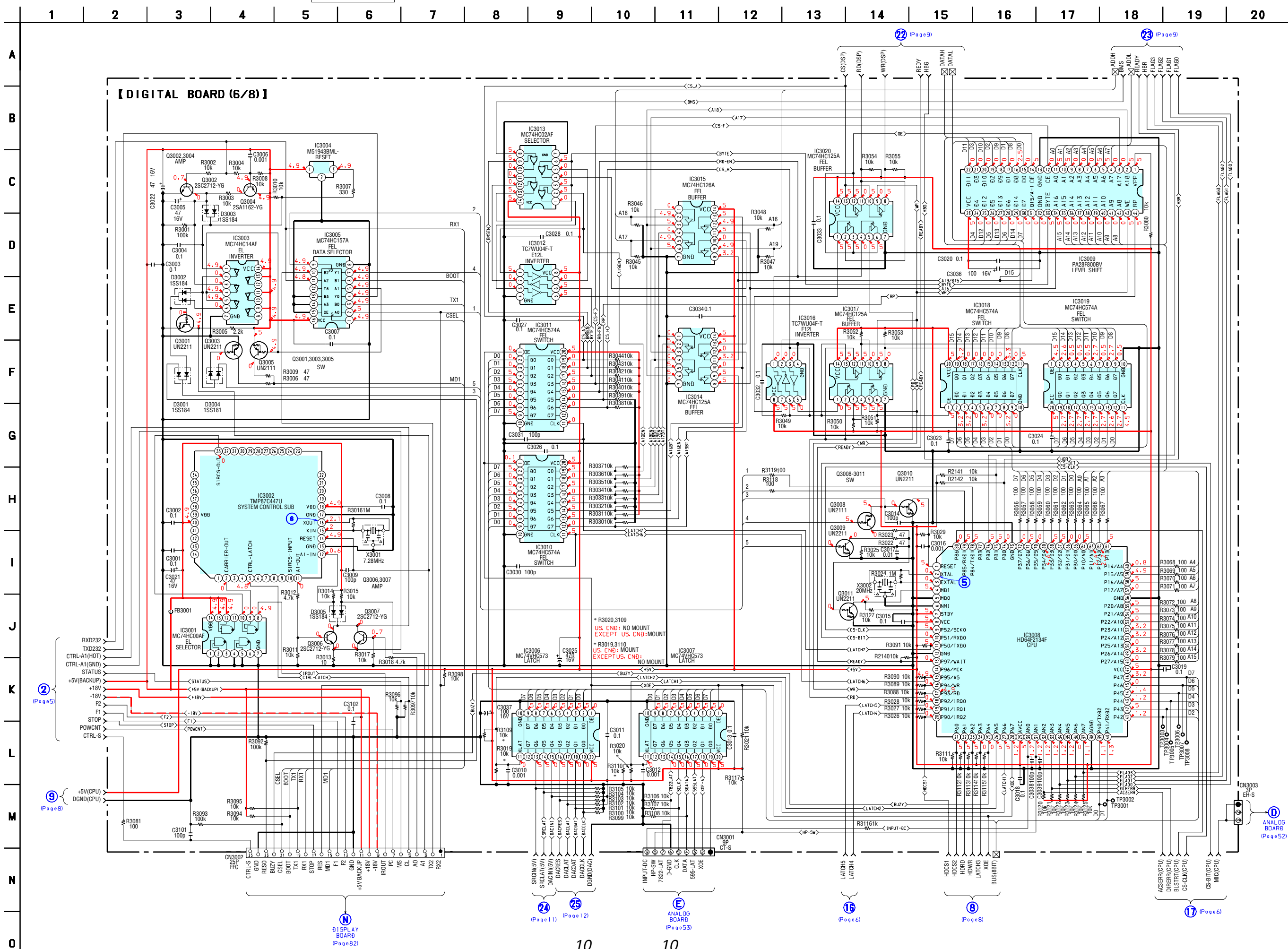
- See page 42 for Waveforms.
- See page 102 for IC Pin Functions.



SCHEMATIC DIAGRAM – DIGITAL (5/8) SECTION – Last digit-13

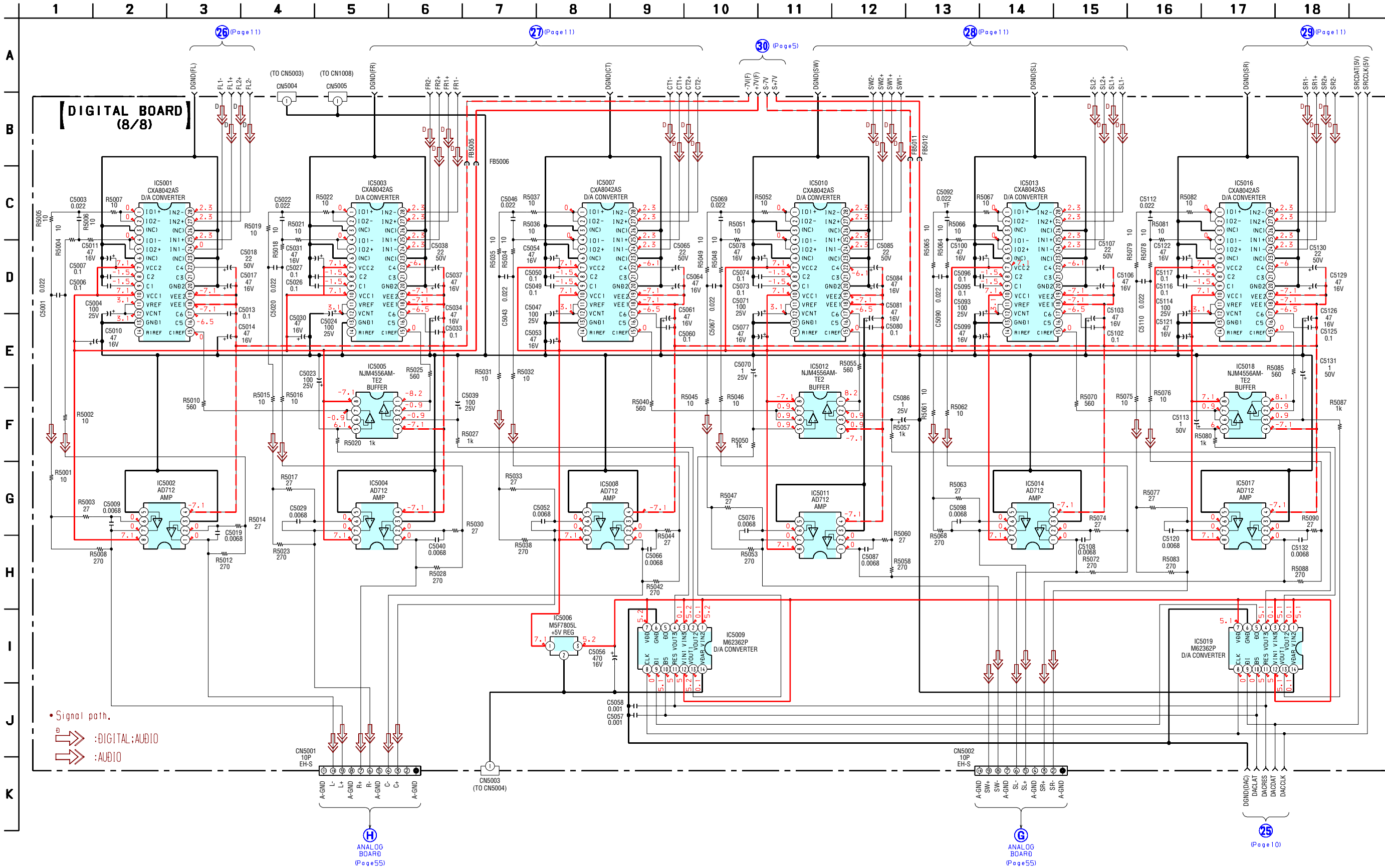
- See page 59 for Printed Wiring Board.
- See page 106 for IC Pin Functions.





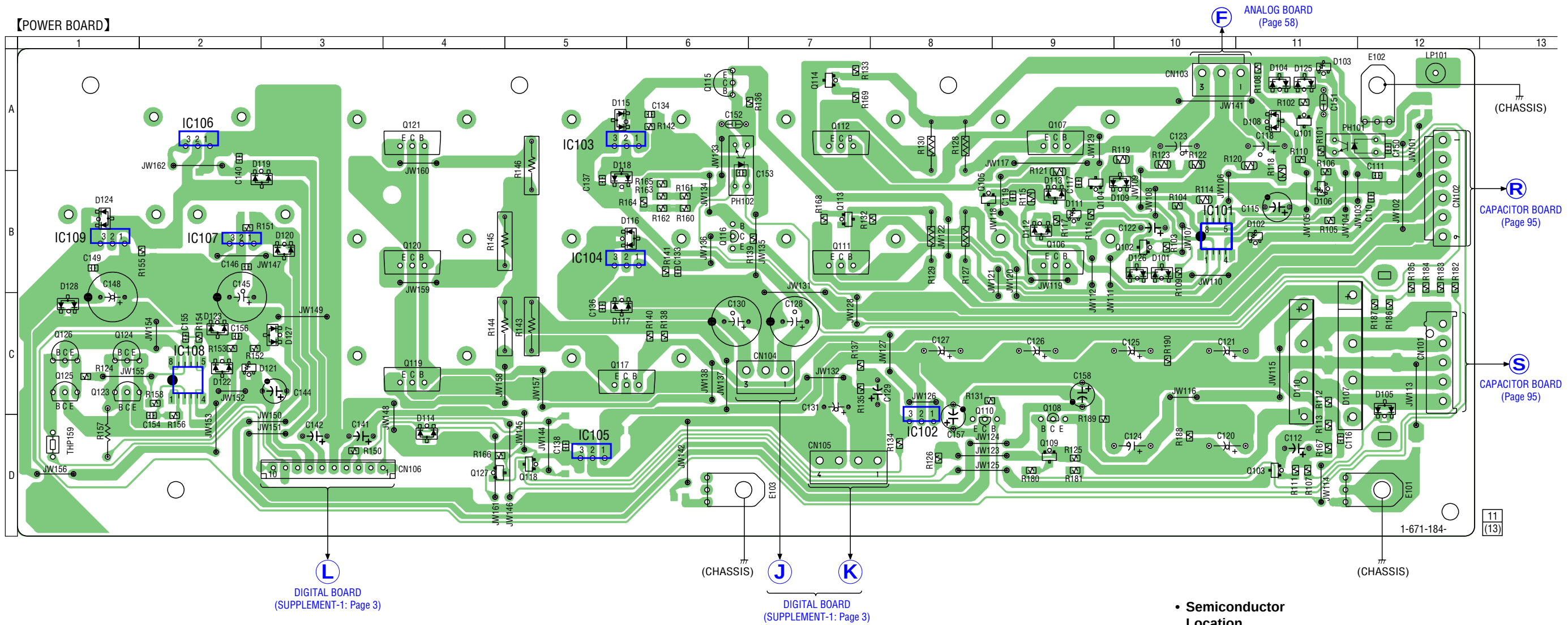
SCHEMATIC DIAGRAM – DIGITAL (8/8) SECTION – Last digit-13

• See page 101 for IC Block Diagrams.



PRINTED WIRING BOARD – POWER SECTION –

New Type



• Semiconductor Location

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D101	B-10	IC101	B-10	Q119	C-4
D102	B-11	IC102	D-8	Q120	B-4
D103	A-11	IC103	A-5	Q121	A-4
D104	A-11	IC104	B-5	Q123	C-1
D105	D-12	IC105	D-5	Q124	C-1
D106	B-11	IC106	A-2	Q125	C-1
D107	C-11	IC107	B-2	Q126	C-1
D108	A-11	IC108	C-2	Q127	D-4
D109	B-10	IC109	B-1		
D110	D-11				
D111	B-9	Q101	A-11		
D112	B-9	Q102	B-10		
D113	B-9	Q103	D-11		
D114	D-4	Q104	B-9		
D115	A-5	Q105	B-8		
D116	B-6	Q106	B-9		
D117	C-5	Q107	A-9		
D118	B-6	Q108	D-9		
D119	B-2	Q109	D-9		
D120	B-3	Q110	D-8		
D121	C-2	Q111	B-7		
D122	C-2	Q112	A-7		
D123	C-2	Q113	B-7		
D124	B-1	Q114	A-7		
D125	A-11	Q115	A-6		
D126	B-10	Q116	B-6		
D127	C-3	Q117	C-5		
D128	C-1	Q118	D-5		

ELECTRICAL PARTS LIST

DIGITAL

Note:

以阴影和△标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque △ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

When indicating parts by reference number, please include the board name.

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- RESISTORS
All resistors are in ohms
METAL: Metal-film resistor
METAL OXIDE: Metal Oxide-film resistor
F : nonflammable

- SEMICONDUCTORS
In each case, u: μ , for example:
uA...: μ A..., uPA...: μ PA..., uPB...: μ PB...,
uPC...: μ PC..., uPD...: μ PD...
- CAPACITORS
uF : μ F
- COILS
uH : μ H
- Abbreviation
CND : Canadian model

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
*	A-4417-106-A	DIGITAL BOARD, COMPLETE (US,CND)		C1051	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V
*	A-4419-255-A	DIGITAL BOARD, COMPLETE (EXCEPT US,CND)		C1052	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V
		*****		C1053	1-104-666-11	ELECT 220uF 20%	25V
	4-974-510-01	SCREW (+BV 3X8 CU)		C1054	1-126-935-11	ELECT 470uF 20%	10V
		<CAPACITOR>		C1055	1-163-009-91	CERAMIC CHIP 0.001uF 10%	50V
C1001	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V	C1056	1-163-009-91	CERAMIC CHIP 0.001uF 10%	50V
C1002	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V	C1057	1-104-666-11	ELECT 220uF 20%	25V
C1003	1-119-792-21	ELECT 470uF 20%	16V	C1058	1-126-935-11	ELECT 470uF 20%	10V
C1004	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V	C1059	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V
C1005	1-163-009-91	CERAMIC CHIP 0.001uF 10%	50V	C1060	1-126-927-11	ELECT 2200uF 20%	10V
C1006	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V	C1061	1-119-792-21	ELECT 470uF 20%	16V
C1007	1-163-009-91	CERAMIC CHIP 0.001uF 10%	50V	C1062	1-119-792-21	ELECT 470uF 20%	16V
C1010	1-119-799-11	ELECT 47uF 20%	16V	C1063	1-119-792-21	ELECT 470uF 20%	16V
C1011	1-136-850-11	MYLAR 0.1uF 5%	63V	C1064	1-119-800-11	ELECT 100uF 20%	16V
C1012	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V	C1065	1-126-942-61	ELECT 1000uF 20%	25V
C1013	1-164-489-11	CERAMIC CHIP 0.22uF 10%	16V	C1066	1-119-792-21	ELECT 470uF 20%	16V
C1014	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V	C1067	1-126-942-61	ELECT 1000uF 20%	25V
C1017	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V	C1068	1-119-792-21	ELECT 470uF 20%	16V
C1018	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V	C1069	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V
C1021	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V	C1071	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V
C1022	1-136-850-11	MYLAR 0.1uF 5%	63V	C1072	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V
C1023	1-164-182-11	CERAMIC CHIP 0.0033uF 10%	50V	C1075	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V
C1024	1-119-792-21	ELECT 470uF 20%	16V	C1076	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V
C1025	1-119-792-21	ELECT 470uF 20%	16V	C1077	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V
C1026	1-119-800-11	ELECT 100uF 20%	16V	C1078	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V
C1029	1-130-475-00	MYLAR 0.0022uF 5%	50V	C1079	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V
C1030	1-130-475-00	MYLAR 0.0022uF 5%	50V	C1080	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V
C1031	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V	C1081	1-163-031-91	CERAMIC CHIP 0.01uF 50V	
C1032	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V	C1082	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V
C1036	1-119-800-11	ELECT 100uF 20%	16V	C1083	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V
C1037	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V	C1084	1-163-031-91	CERAMIC CHIP 0.01uF 50V	
C1038	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V	C1085	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V
C1039	1-136-165-00	MYLAR 0.1uF 5%	50V	C1086	1-164-344-11	CERAMIC CHIP 0.068uF 10%	25V
C1040	1-119-792-21	ELECT 470uF 20%	16V	C1087	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V
C1041	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V	C1088	1-119-800-11	ELECT 100uF 20%	16V
C1042	1-136-165-00	MYLAR 0.1uF 5%	50V	C1094	1-126-933-11	ELECT 100uF 20%	16V
C1043	1-119-800-11	ELECT 100uF 20%	16V	C1095	1-126-963-11	ELECT 4.7uF 20%	50V
C1044	1-119-811-21	ELECT 220uF 20%	35V	C1104	1-126-963-11	ELECT 4.7uF 20%	50V
C1045	1-119-811-21	ELECT 220uF 20%	35V	C1105	1-163-117-00	CERAMIC CHIP 100PF 5%	50V
C1046	1-119-811-21	ELECT 220uF 20%	35V	C1125	1-163-117-00	CERAMIC CHIP 100PF 5%	50V
C1047	1-119-811-21	ELECT 220uF 20%	35V	C1126	1-126-963-11	ELECT 4.7uF 20%	50V
C1048	1-119-830-11	ELECT 330uF 20%	25V	C2001	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V
C1049	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V	C2002	1-119-800-11	ELECT 100uF 20%	16V
C1050	1-119-792-21	ELECT 470uF 20%	16V	C2003	1-119-800-11	ELECT 100uF 20%	16V
				C2004	1-119-800-11	ELECT 100uF 20%	16V

DIGITAL

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C2005	1-119-800-11	ELECT	100uF	20%	16V	C2065	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2006	1-136-165-00	MYLAR	0.1uF	5%	50V	C2066	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2007	1-136-165-00	MYLAR	0.1uF	5%	50V	C2067	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2008	1-136-165-00	MYLAR	0.1uF	5%	50V	C2068	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C2009	1-136-165-00	MYLAR	0.1uF	5%	50V	C2069	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C2010	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C2070	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C2011	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C3001	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2013	1-119-800-11	ELECT	100uF	20%	16V	C3002	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2014	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C3003	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2015	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C3004	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2016	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C3005	1-119-799-11	ELECT	47uF	20%	16V
C2017	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C3006	1-163-009-91	CERAMIC CHIP	0.001uF	10%	50V
C2018	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C3007	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2019	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C3008	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2020	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C3009	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C2021	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C3010	1-163-009-91	CERAMIC CHIP	0.001uF	10%	50V
C2022	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C3011	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2023	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C3012	1-163-009-91	CERAMIC CHIP	0.001uF	10%	50V
C2024	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C3013	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2025	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C3014	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C2026	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C3015	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2027	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C3016	1-163-009-91	CERAMIC CHIP	0.001uF	10%	50V
C2028	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C3017	1-163-031-91	CERAMIC CHIP	0.01uF		50V
C2030	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C3018	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2031	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C3019	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2032	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C3020	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2033	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C3021	1-119-799-11	ELECT	47uF	20%	16V
C2034	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C3022	1-119-799-11	ELECT	47uF	20%	16V
C2035	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C3023	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2036	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C3024	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2037	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C3025	1-119-792-21	ELECT	470uF	20%	16V
C2039	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C3026	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2040	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C3027	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2041	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C3028	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2042	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C3029	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2043	1-119-792-21	ELECT	470uF	20%	16V	C3030	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C2044	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C3031	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C2045	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C3032	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2046	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C3033	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2047	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C3034	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2048	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C3036	1-119-800-11	ELECT	100uF	20%	16V
C2049	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C3037	1-119-800-11	ELECT	100uF	20%	16V
C2050	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C3038	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C2051	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C3039	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C2052	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C3101	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C2053	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C3102	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2054	1-119-800-11	ELECT	100uF	20%	16V	C4001	1-119-792-21	ELECT	470uF	20%	16V
C2055	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C4002	1-136-850-11	MYLAR	0.1uF	5%	63V
C2056	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C4003	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2057	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C4004	1-119-792-21	ELECT	470uF	20%	16V
C2058	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C4005	1-136-850-11	MYLAR	0.1uF	5%	63V
C2059	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C4006	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2060	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C4008	1-163-009-91	CERAMIC CHIP	0.001uF	10%	50V
C2061	1-163-009-91	CERAMIC CHIP	0.001uF	10%	50V	C4013	1-136-850-11	MYLAR	0.1uF	5%	63V
C2062	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C4014	1-136-850-11	MYLAR	0.1uF	5%	63V
C2063	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C4015	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2064	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C4016	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
						C4017	1-119-792-21	ELECT	470uF	20%	16V

Ref. No.	Part No.	Description				Remark	Ref. No.	Part No.	Description				Remark
C4018	1-136-850-11	MYLAR	0.1uF	5%	63V		C4085	1-136-850-11	MYLAR	0.1uF	5%	63V	
C4019	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V		C4086	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	
C4020	1-136-850-11	MYLAR	0.1uF	5%	63V		C4087	1-163-009-91	CERAMIC CHIP	0.001uF	10%	50V	
C4021	1-136-850-11	MYLAR	0.1uF	5%	63V		C4088	1-136-850-11	MYLAR	0.1uF	5%	63V	
C4022	1-119-800-11	ELECT	100uF	20%	16V		C4089	1-119-792-21	ELECT	470uF	20%	16V	
C4023	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V		C4090	1-119-792-21	ELECT	470uF	20%	16V	
C4024	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V		C4091	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	
C4025	1-136-850-11	MYLAR	0.1uF	5%	63V		C4106	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	
C4026	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V		C5001	1-130-305-51	FILM	0.022uF	5%	100V	
C4027	1-163-009-91	CERAMIC CHIP	0.001uF	10%	50V		C5003	1-130-305-51	FILM	0.022uF	5%	100V	
C4028	1-136-850-11	MYLAR	0.1uF	5%	63V		C5004	1-119-800-11	ELECT	100uF	20%	25V	
C4029	1-119-792-21	ELECT	470uF	20%	16V		C5006	1-136-850-11	MYLAR	0.1uF	5%	63V	
C4030	1-119-792-21	ELECT	470uF	20%	16V		C5007	1-136-850-11	MYLAR	0.1uF	5%	63V	
C4031	1-119-792-21	ELECT	470uF	20%	16V		C5009	1-130-856-00	FILM	0.0068uF	5%	100V	
C4032	1-136-850-11	MYLAR	0.1uF	5%	63V		C5010	1-119-799-11	ELECT	47uF	20%	16V	
C4033	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V		C5011	1-119-799-11	ELECT	47uF	20%	16V	
C4034	1-119-792-21	ELECT	470uF	20%	16V		C5013	1-136-850-11	MYLAR	0.1uF	5%	63V	
C4035	1-136-850-11	MYLAR	0.1uF	5%	63V		C5014	1-119-799-11	ELECT	47uF	20%	16V	
C4036	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V		C5017	1-119-799-11	ELECT	47uF	20%	16V	
C4038	1-163-009-91	CERAMIC CHIP	0.001uF	10%	50V		C5018	1-119-825-41	ELECT	22uF	20%	50V	
C4043	1-136-850-11	MYLAR	0.1uF	5%	63V		C5019	1-130-856-00	FILM	0.0068uF	5%	100V	
C4044	1-136-850-11	MYLAR	0.1uF	5%	63V		C5020	1-130-305-51	FILM	0.022uF	5%	100V	
C4045	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V		C5022	1-130-305-51	FILM	0.022uF	5%	100V	
C4046	1-163-117-00	CERAMIC CHIP	100PF	5%	50V		C5023	1-119-820-31	ELECT	1uF	20%	50V	
C4047	1-119-792-21	ELECT	470uF	20%	16V		C5024	1-119-800-11	ELECT	100uF	20%	25V	
C4048	1-136-850-11	MYLAR	0.1uF	5%	63V		C5026	1-136-850-11	MYLAR	0.1uF	5%	63V	
C4049	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V		C5027	1-136-850-11	MYLAR	0.1uF	5%	63V	
C4050	1-136-850-11	MYLAR	0.1uF	5%	63V		C5029	1-130-856-00	FILM	0.0068uF	5%	100V	
C4051	1-136-850-11	MYLAR	0.1uF	5%	63V		C5030	1-119-799-11	ELECT	47uF	20%	16V	
C4052	1-119-800-11	ELECT	100uF	20%	16V		C5031	1-119-799-11	ELECT	47uF	20%	16V	
C4053	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V		C5033	1-136-850-11	MYLAR	0.1uF	5%	63V	
C4054	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V		C5034	1-119-799-11	ELECT	47uF	20%	16V	
C4055	1-136-850-11	MYLAR	0.1uF	5%	63V		C5037	1-119-799-11	ELECT	47uF	20%	16V	
C4056	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V		C5038	1-119-825-41	ELECT	22uF	20%	50V	
C4057	1-163-009-91	CERAMIC CHIP	0.001uF	10%	50V		C5039	1-119-820-31	ELECT	1uF	20%	50V	
C4058	1-136-850-11	MYLAR	0.1uF	5%	63V		C5040	1-130-856-00	FILM	0.0068uF	5%	100V	
C4059	1-119-792-21	ELECT	470uF	20%	16V		C5043	1-130-305-51	FILM	0.022uF	5%	100V	
C4060	1-119-792-21	ELECT	470uF	20%	16V		C5046	1-130-305-51	FILM	0.022uF	5%	100V	
C4061	1-119-792-21	ELECT	470uF	20%	16V		C5047	1-119-800-11	ELECT	100uF	20%	25V	
C4062	1-136-850-11	MYLAR	0.1uF	5%	63V		C5049	1-136-850-11	MYLAR	0.1uF	5%	63V	
C4063	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V		C5050	1-136-850-11	MYLAR	0.1uF	5%	63V	
C4064	1-119-792-21	ELECT	470uF	20%	16V		C5052	1-130-856-00	FILM	0.0068uF	5%	100V	
C4065	1-136-850-11	MYLAR	0.1uF	5%	63V		C5053	1-119-799-11	ELECT	47uF	20%	16V	
C4066	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V		C5054	1-119-799-11	ELECT	47uF	20%	16V	
C4068	1-163-009-91	CERAMIC CHIP	0.001uF	10%	50V		C5056	1-119-792-21	ELECT	470uF	20%	16V	
C4073	1-136-850-11	MYLAR	0.1uF	5%	63V		C5057	1-163-009-91	CERAMIC CHIP	0.001uF	10%	50V	
C4074	1-136-850-11	MYLAR	0.1uF	5%	63V		C5058	1-163-009-91	CERAMIC CHIP	0.001uF	10%	50V	
C4075	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V		C5060	1-136-850-11	MYLAR	0.1uF	5%	63V	
C4076	1-163-117-00	CERAMIC CHIP	100PF	5%	50V		C5061	1-119-799-11	ELECT	47uF	20%	16V	
C4077	1-119-792-21	ELECT	470uF	20%	16V		C5064	1-119-799-11	ELECT	47uF	20%	16V	
C4078	1-136-850-11	MYLAR	0.1uF	5%	63V		C5065	1-119-825-41	ELECT	22uF	20%	50V	
C4079	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V		C5066	1-130-856-00	FILM	0.0068uF	5%	100V	
C4080	1-136-850-11	MYLAR	0.1uF	5%	63V		C5067	1-130-305-51	FILM	0.022uF	5%	100V	
C4081	1-136-850-11	MYLAR	0.1uF	5%	63V		C5069	1-130-305-51	FILM	0.022uF	5%	100V	
C4082	1-119-800-11	ELECT	100uF	20%	16V		C5070	1-119-820-31	ELECT	1uF	20%	50V	
C4083	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V		C5071	1-119-800-11	ELECT	100uF	20%	25V	
C4084	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V		C5073	1-136-850-11	MYLAR	0.1uF	5%	63V	
							C5074	1-136-850-11	MYLAR	0.1uF	5%	63V	

DIGITAL

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C5076	1-130-856-00	FILM	0.0068uF	5%	100V						
C5077	1-119-799-11	ELECT	47uF	20%	16V	D1013	8-719-801-78	DIODE 1SS184			
C5078	1-119-799-11	ELECT	47uF	20%	16V	D1014	8-719-801-78	DIODE 1SS184			
C5080	1-136-850-11	MYLAR	0.1uF	5%	63V	D2001	8-719-820-05	DIODE 1SS181			
C5081	1-119-799-11	ELECT	47uF	20%	16V	D2002	8-719-820-05	DIODE 1SS181			
C5084	1-119-799-11	ELECT	47uF	20%	16V	D3001	8-719-801-78	DIODE 1SS184			
C5085	1-119-825-41	ELECT	22uF	20%	50V	D3002	8-719-801-78	DIODE 1SS184			
C5086	1-119-820-31	ELECT	1uF	20%	50V	D3003	8-719-801-78	DIODE 1SS184			
C5087	1-130-856-00	FILM	0.0068uF	5%	100V	D3004	8-719-820-05	DIODE 1SS181			
C5090	1-130-305-51	FILM	0.022uF	5%	100V	D3005	8-719-801-78	DIODE 1SS184			
C5092	1-130-305-51	FILM	0.022uF	5%	100V			<FERRITE BEAD>			
C5093	1-119-800-11	ELECT	100uF	20%	25V	FB1001	1-410-397-21	FERRITE BEAD INDUCTOR			
C5095	1-136-850-11	MYLAR	0.1uF	5%	63V	FB1002	1-410-397-21	FERRITE BEAD INDUCTOR			
C5096	1-136-850-11	MYLAR	0.1uF	5%	63V	FB1003	1-410-397-21	FERRITE BEAD INDUCTOR			
C5098	1-130-856-00	FILM	0.0068uF	5%	100V	FB1004	1-410-397-21	FERRITE BEAD INDUCTOR			
C5099	1-119-799-11	ELECT	47uF	20%	16V	FB1005	1-410-397-21	FERRITE BEAD INDUCTOR			
C5100	1-119-799-11	ELECT	47uF	20%	16V	FB1006	1-410-397-21	FERRITE BEAD INDUCTOR			
C5102	1-136-850-11	MYLAR	0.1uF	5%	63V	FB1007	1-410-397-21	FERRITE BEAD INDUCTOR			
C5103	1-119-799-11	ELECT	47uF	20%	16V	FB1008	1-410-397-21	FERRITE BEAD INDUCTOR			
C5106	1-119-799-11	ELECT	47uF	20%	16V	FB1009	1-410-397-21	FERRITE BEAD INDUCTOR			
C5107	1-119-825-41	ELECT	22uF	20%	50V	FB1010	1-410-397-21	FERRITE BEAD INDUCTOR			
C5108	1-130-856-00	FILM	0.0068uF	5%	100V	FB1011	1-410-397-21	FERRITE BEAD INDUCTOR			
C5110	1-130-305-51	FILM	0.022uF	5%	100V	FB1012	1-410-397-21	FERRITE BEAD INDUCTOR			
C5112	1-130-305-51	FILM	0.022uF	5%	100V	FB1013	1-410-397-21	FERRITE BEAD INDUCTOR			
C5113	1-119-820-31	ELECT	1uF	20%	50V	FB1014	1-216-813-11	METAL CHIP 220	5%	1/16W	
C5114	1-119-800-11	ELECT	100uF	20%	25V	FB1015	1-216-813-11	METAL CHIP 220	5%	1/16W	
C5116	1-136-850-11	MYLAR	0.1uF	5%	63V	FB1016	1-216-813-11	METAL CHIP 220	5%	1/16W	
C5117	1-136-850-11	MYLAR	0.1uF	5%	63V	FB1017	1-216-813-11	METAL CHIP 220	5%	1/16W	
C5120	1-130-856-00	FILM	0.0068uF	5%	100V	FB1018	1-216-813-11	METAL CHIP 220	5%	1/16W	
C5121	1-119-799-11	ELECT	47uF	20%	16V	FB1101	1-500-245-11	FERRITE 0uH			
C5122	1-119-799-11	ELECT	47uF	20%	16V	FB1102	1-500-245-11	FERRITE 0uH			
C5125	1-136-850-11	MYLAR	0.1uF	5%	63V	FB2001	1-410-397-21	FERRITE BEAD INDUCTOR			
C5126	1-119-799-11	ELECT	47uF	20%	16V	FB2002	1-410-397-21	FERRITE BEAD INDUCTOR			
C5129	1-119-799-11	ELECT	47uF	20%	16V	FB2003	1-500-230-21	INDUCTOR 0uH			
C5130	1-119-825-41	ELECT	22uF	20%	50V	FB2004	1-216-809-11	METAL CHIP 100	5%	1/16W	
C5131	1-119-820-31	ELECT	1uF	20%	50V	FB3001	1-500-230-21	INDUCTOR 0uH			
C5132	1-130-856-00	FILM	0.0068uF	5%	100V	FB4002	1-410-397-21	FERRITE BEAD INDUCTOR			
		<CONNECTOR>				FB4004	1-410-397-21	FERRITE BEAD INDUCTOR			
CN1002	1-691-769-11	PLUG (MICRO CONNECTOR) 7P				FB4007	1-410-397-21	FERRITE BEAD INDUCTOR			
* CN1003	1-564-104-00	PIN, CONNECTOR(3.96MM PITCH)3P				FB4009	1-410-397-21	FERRITE BEAD INDUCTOR			
CN1004	1-691-771-11	PLUG (MICRO CONNECTOR) 9P				FB4012	1-410-397-21	FERRITE BEAD INDUCTOR			
* CN1005	1-564-241-11	PIN, CONNECTOR(3.96MM PITCH)4P									
* CN1006	1-568-826-11	SOCKET, CONNECTOR 7P				FB4014	1-410-397-21	FERRITE BEAD INDUCTOR			
						FB4101	1-414-233-22	FERRITE 0uH			
* CN3001	1-568-936-11	PIN, CONNECTOR 9P				FB4102	1-414-231-22	FERRITE 0uH			
* CN3002	1-568-841-11	SOCKET, CONNECTOR 25P				FB4103	1-414-231-22	FERRITE 0uH			
CN3003	1-564-506-11	PLUG, CONNECTOR 3P				FB4114	1-216-813-11	METAL CHIP 220	5%	1/16W	
CN4002	1-691-160-11	PIN, CONNECTOR 3P									
CN5001	1-691-772-11	PLUG (MICRO CONNECTOR) 10P				FB4115	1-216-809-11	METAL CHIP 100	5%	1/16W	
						FB4116	1-216-809-11	METAL CHIP 100	5%	1/16W	
CN5002	1-691-772-21	PLUG (MICRO CONNECTOR) 10P				FB5005	1-410-397-21	FERRITE BEAD INDUCTOR			
		<DIODE>				FB5006	1-410-397-21	FERRITE BEAD INDUCTOR			
D1001	8-719-025-33	DIODE 02CZ6.2-TE85L						<HEAT SINK>			
D1006	8-719-800-76	DIODE 1SS226				* H1001	4-931-401-72	HEAT SINK, V.OUT			
D1007	8-719-800-76	DIODE 1SS226						<IC>			
D1008	8-719-800-76	DIODE 1SS226									
D1009	8-719-800-76	DIODE 1SS226				IC1001	8-759-356-27	IC NJM2129M-TE2			
						IC1002	8-759-557-32	IC ADM202EARN-REEL			

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
IC1004	8-759-426-99	IC CXD8607N-T6		IC3014	8-759-367-70	IC MC74HC125AFEL	
IC1005	8-759-450-47	IC BA05T		IC3015	8-759-424-19	IC MC74HC126AFEL	
IC1006	8-759-445-59	IC BA033T		IC3016	8-759-387-77	IC TC7WU04F-TE12L	
				IC3017	8-759-367-70	IC MC74HC125AFEL	
IC1007	8-749-923-05	IC TORX178B		IC3018	8-759-424-65	IC MC74HC574AFEL	
IC1008	8-759-424-13	IC MC74HC00AFEL					
IC1009	8-759-243-19	IC TC7SU04F-TE85L		IC3019	8-759-424-65	IC MC74HC574AFEL	
IC1010	8-749-015-11	IC TORX173(HS)		IC3020	8-759-367-70	IC MC74HC125AFEL	
IC1011	8-749-923-05	IC TORX178B		IC3021	8-759-478-92	IC TC7SET04FU(TE85R)	
				IC4001	8-759-481-28	IC MSM9404BGS-BK	
IC1012	8-759-424-13	IC MC74HC00AFEL		IC4002	8-759-044-10	IC CXD2562Q	
IC1013	8-749-923-05	IC TORX178B					
IC1014	8-759-424-25	IC MC74HC151FEL		IC4003	8-759-525-43	IC TC74HCT08AF(EL)	
IC1015	8-759-032-50	IC TC74HC241AF(EL)		IC4004	8-759-481-28	IC MSM9404BGS-BK	
IC1016	8-749-923-04	IC TOTX178A		IC4005	8-759-044-10	IC CXD2562Q	
				IC4006	8-759-525-43	IC TC74HCT08AF(EL)	
IC1017	8-759-243-19	IC TC7SU04F-TE85L		IC4007	8-759-481-28	IC MSM9404BGS-BK	
IC1018	8-749-923-05	IC TORX178B					
IC1019	8-759-557-25	IC CS8414-CSR		IC4008	8-759-044-10	IC CXD2562Q	
IC1020	8-759-525-10	IC TC7SET08F(TE85L)		IC4009	8-759-525-43	IC TC74HCT08AF(EL)	
IC1021	8-759-243-19	IC TC7SU04F-TE85L		IC4010	8-759-557-19	IC MC74VHCU04MEL	
				IC4011	8-759-557-19	IC MC74VHCU04MEL	
IC1022	8-759-180-84	IC TC7W74F(TE12R)		IC4012	8-759-243-19	IC TC7SU04F-TE85L	
IC1023	8-759-367-69	IC MC74HC74AFEL					
IC1024	8-759-636-55	IC M5218AFP-T1		IC4013	8-759-243-19	IC TC7SU04F-TE85L	
IC1025	8-759-243-19	IC TC7SU04F-TE85L		IC4102	8-759-525-10	IC TC7SET08F(TE85L)	
IC1026	8-759-031-84	IC TC7S04F(TE85R)		IC4103	8-759-525-10	IC TC7SET08F(TE85L)	
				IC4111	8-759-180-84	IC TC7W74F(TE12R)	
IC1027	8-759-031-84	IC TC7S04F(TE85R)		IC4112	8-759-180-84	IC TC7W74F(TE12R)	
IC1028	8-759-031-84	IC TC7S04F(TE85R)					
IC1051	8-759-175-30	IC NJM78L12UA-TE1		IC4113	8-759-180-84	IC TC7W74F(TE12R)	
IC2001	8-759-424-65	IC MC74HC574AFEL		IC5001	8-759-371-51	IC CXA8042AS	
IC2002	8-759-445-59	IC BA033T		IC5002	8-759-296-74	IC AD712JR-REEL	
				IC5003	8-759-371-51	IC CXA8042AS	
IC2003	8-759-445-59	IC BA033T		IC5004	8-759-296-74	IC AD712JR-REEL	
IC2004	8-759-488-94	IC IDT71V256SA15Y-TL					
IC2005	8-752-391-87	IC CXD2712R		IC5005	8-759-369-74	IC NJM4556AM-TE2	
IC2006	8-759-557-19	IC MC74VHCU04MEL		IC5006	8-759-231-53	IC M5F7805L	
IC2007	8-759-546-46	IC IDT71V124S15YAU-TL		IC5007	8-759-371-51	IC CXA8042AS	
				IC5008	8-759-296-74	IC AD712JR-REEL	
IC2008	8-759-531-30	IC MC74LVX4245-DT		IC5009	8-759-557-23	IC M62362P	
IC2009	8-752-391-87	IC CXD2712R					
IC2010	8-759-546-46	IC IDT71V124S15YAU-TL		IC5010	8-759-371-51	IC CXA8042AS	
IC2011	8-759-424-65	IC MC74HC574AFEL		IC5011	8-759-296-74	IC AD712JR-REEL	
IC2012	8-759-424-65	IC MC74HC574AFEL		IC5012	8-759-369-74	IC NJM4556AM-TE2	
				IC5013	8-759-371-51	IC CXA8042AS	
IC2013	8-759-546-46	IC IDT71V124S15YAU-TL		IC5014	8-759-296-74	IC AD712JR-REEL	
IC2014	8-759-548-82	IC SN74LV541ANSR					
IC2015	8-759-525-00	IC CXD8751Q		IC5016	8-759-371-51	IC CXA8042AS	
IC2016	8-759-557-26	IC ADSST-AC3-2500		IC5017	8-759-296-74	IC AD712JR-REEL	
IC2017	8-759-456-86	IC TC7SH14F(TE85L)		IC5018	8-759-369-74	IC NJM4556AM-TE2	
				IC5019	8-759-557-23	IC M62362P	
IC2018	8-759-082-59	IC TC7W32FU(TE12R)					
IC2019	8-759-082-59	IC TC7W32FU(TE12R)					
IC3001	8-759-424-13	IC MC74HC00AFEL					
IC3002	8-759-545-07	IC TMP87C447U-4A06					
IC3003	8-759-367-67	IC MC74HC14AFEL					
IC3004	8-759-557-35	IC M51943BML-600C					
IC3005	8-759-367-62	IC MC74HC157AFEL					
IC3006	8-759-561-42	IC MC74VHC573MEL					
IC3007	8-759-561-42	IC MC74VHC573MEL					
IC3008	8-759-557-27	IC HD64F2134FA20-CONT					
IC3009	8-759-567-61	IC MBM29F800BA-90PF-FJ-1					
IC3010	8-759-424-65	IC MC74HC574AFEL					
IC3011	8-759-424-65	IC MC74HC574AFEL					
IC3012	8-759-387-77	IC TC7WU04F-TE12L					
IC3013	8-759-424-14	IC MC74HC02AFEL					

<JACK>

J1001	1-764-188-21	JACK (SMALL TYPE) (DIA. 3.5)	(MONITOR CTRL-A1)
J1002	1-563-330-11	JACK (S-LINK CTRL-A1)	
J1003	1-563-330-11	JACK (S-LINK CTRL-A1)	
J1004	1-815-737-11	CONNECTOR, (D) SUB 9P (RS-232C)	
J1005	1-568-750-21	JACK, PIN (1P SHIELD TYPE) (LD COAXIAL IN)	
J1006	1-568-750-21	JACK, PIN (1P SHIELD TYPE) (DVD COAXIAL IN)	
J1007	1-568-750-21	JACK, PIN (1P SHIELD TYPE) (CD COAXIAL IN)	
J1008	1-568-750-31	JACK, PIN (1P SHIELD TYPE) (LD COAXIAL IN)	
J1009	1-764-188-21	JACK (SMALL TYPE) (DIA. 3.5)	(ANALIZER MIC IN)

DIGITAL

Ref. No.	Part No.	Description				Remark	Ref. No.	Part No.	Description				Remark
<JUMPER RESISTOR>							R1037	1-216-809-11	METAL CHIP	100	5%	1/16W	
							R1038	1-259-995-11	CARBON MELF	1K	2%	1/8W	
JR2002	1-211-950-11	SHORT CHIP	0				R1039	1-216-809-11	METAL CHIP	100	5%	1/16W	
JR2003	1-211-950-11	SHORT CHIP	0										
JR2004	1-211-950-11	SHORT CHIP	0				R1040	1-259-995-11	CARBON MELF	1K	2%	1/8W	
JR2005	1-211-950-11	SHORT CHIP	0				R1041	1-259-909-11	CARBON MELF	75	2%	1/8W	
JR2006	1-211-950-11	SHORT CHIP	0				R1042	1-216-809-11	METAL CHIP	100	5%	1/16W	
							R1043	1-216-809-11	METAL CHIP	100	5%	1/16W	
JR2009	1-211-950-11	SHORT CHIP	0				R1044	1-260-008-11	CARBON MELF	10K	2%	1/8W	
JR2010	1-211-950-11	SHORT CHIP	0										
JR2012	1-211-950-11	SHORT CHIP	0				R1045	1-259-909-11	CARBON MELF	75	2%	1/8W	
JR2013	1-211-950-11	SHORT CHIP	0				R1046	1-216-041-00	METAL CHIP	470	5%	1/10W	
JR2015	1-211-950-11	SHORT CHIP	0				R1047	1-216-809-11	METAL CHIP	100	5%	1/16W	
							R1048	1-216-809-11	METAL CHIP	100	5%	1/16W	
JR2016	1-211-950-11	SHORT CHIP	0				R1049	1-216-073-91	RES-CHIP	10K	5%	1/10W	
<TRANSISTOR>							R1051	1-216-821-11	METAL CHIP	1K	5%	1/16W	
							R1052	1-216-809-11	METAL CHIP	100	5%	1/16W	
Q1001	8-729-424-08	TRANSISTOR	UN2111				R1053	1-259-979-11	CARBON MELF	47	2%	1/8W	
Q1002	8-729-230-49	TRANSISTOR	2SC2712-YG				R1054	1-259-979-11	CARBON MELF	47	2%	1/8W	
Q2002	8-729-230-49	TRANSISTOR	2SC2712-YG				R1055	1-216-069-00	METAL CHIP	6.8K	5%	1/10W	
Q3001	8-729-421-22	TRANSISTOR	UN2211										
Q3002	8-729-230-49	TRANSISTOR	2SC2712-YG				R1056	1-259-979-11	CARBON MELF	47	2%	1/8W	
							R1057	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	
Q3003	8-729-421-22	TRANSISTOR	UN2211				R1058	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	
Q3004	8-729-216-22	TRANSISTOR	2SA1162-G				R1059	1-216-025-11	RES-CHIP	100	5%	1/10W	
Q3005	8-729-424-08	TRANSISTOR	UN2111				R1060	1-216-025-11	RES-CHIP	100	5%	1/10W	
Q3006	8-729-230-49	TRANSISTOR	2SC2712-YG										
Q3007	8-729-230-49	TRANSISTOR	2SC2712-YG				R1061	1-216-025-11	RES-CHIP	100	5%	1/10W	
							R1062	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	
Q3008	8-729-424-08	TRANSISTOR	UN2111				R1063	1-216-097-11	RES-CHIP	100K	5%	1/10W	
Q3009	8-729-421-22	TRANSISTOR	UN2211				R1064	1-216-113-00	METAL CHIP	470K	5%	1/10W	
Q3010	8-729-421-22	TRANSISTOR	UN2211				R1067	1-216-049-11	RES-CHIP	1K	5%	1/10W	
Q3011	8-729-421-22	TRANSISTOR	UN2211										
<RESISTOR>							R1073	1-216-097-11	RES-CHIP	100K	5%	1/10W	
							R1080	1-216-073-91	RES-CHIP	10K	5%	1/10W	
R1001	1-216-025-11	RES-CHIP	100	5%	1/10W		R1099	1-216-097-11	RES-CHIP	100K	5%	1/10W	
R1002	1-216-049-11	RES-CHIP	1K	5%	1/10W		R1102	1-216-097-11	RES-CHIP	100K	5%	1/10W	
R1003	1-216-025-11	RES-CHIP	100	5%	1/10W		R2001	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R1004	1-216-073-91	RES-CHIP	10K	5%	1/10W								
R1005	1-216-025-11	RES-CHIP	100	5%	1/10W		R2002	1-216-833-11	METAL CHIP	10K	5%	1/16W	
							R2003	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R1008	1-259-983-11	CARBON MELF	100	2%	1/8W		R2004	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R1009	1-259-983-11	CARBON MELF	100	2%	1/8W		R2005	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R1012	1-259-983-11	CARBON MELF	100	2%	1/8W		R2006	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R1013	1-259-983-11	CARBON MELF	100	2%	1/8W								
R1014	1-216-025-11	RES-CHIP	100	5%	1/10W		R2007	1-216-833-11	METAL CHIP	10K	5%	1/16W	
							R2008	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R1020	1-259-909-11	CARBON MELF	75	2%	1/8W		R2010	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R1021	1-259-995-11	CARBON MELF	1K	2%	1/8W		R2011	1-216-809-11	METAL CHIP	100	5%	1/16W	
R1022	1-259-909-11	CARBON MELF	75	2%	1/8W		R2012	1-216-809-11	METAL CHIP	100	5%	1/16W	
R1023	1-260-008-11	CARBON MELF	10K	2%	1/8W								
R1024	1-259-995-11	CARBON MELF	1K	2%	1/8W		R2014	1-216-809-11	METAL CHIP	100	5%	1/16W	
							R2015	1-216-809-11	METAL CHIP	100	5%	1/16W	
R1025	1-259-909-11	CARBON MELF	75	2%	1/8W		R2017	1-216-067-00	METAL CHIP	5.6K	5%	1/10W	
R1026	1-259-995-11	CARBON MELF	1K	2%	1/8W		R2019	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R1027	1-259-995-11	CARBON MELF	1K	2%	1/8W		R2021	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R1028	1-260-008-11	CARBON MELF	10K	2%	1/8W								
R1029	1-259-909-11	CARBON MELF	75	2%	1/8W		R2024	1-216-833-11	METAL CHIP	10K	5%	1/16W	
							R2044	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R1030	1-259-909-11	CARBON MELF	75	2%	1/8W		R2045	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R1031	1-259-909-11	CARBON MELF	75	2%	1/8W		R2046	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R1032	1-216-821-11	METAL CHIP	1K	5%	1/16W		R2047	1-216-809-11	METAL CHIP	100	5%	1/16W	
R1033	1-259-995-11	CARBON MELF	1K	2%	1/8W								
R1034	1-216-809-11	METAL CHIP	100	5%	1/16W		R2049	1-216-809-11	METAL CHIP	100	5%	1/16W	
							R2054	1-216-809-11	METAL CHIP	100	5%	1/16W	
R1035	1-216-809-11	METAL CHIP	100	5%	1/16W		R2056	1-216-809-11	METAL CHIP	100	5%	1/16W	
R1036	1-216-809-11	METAL CHIP	100	5%	1/16W		R2058	1-216-809-11	METAL CHIP	100	5%	1/16W	
							R2060	1-216-809-11	METAL CHIP	100	5%	1/16W	

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R2061	1-216-833-11	METAL CHIP	10K	5%	1/16W	R2131	1-216-833-11	METAL CHIP	10K	5%	1/16W
R2062	1-216-833-11	METAL CHIP	10K	5%	1/16W	R2132	1-216-833-11	METAL CHIP	10K	5%	1/16W
R2063	1-216-073-91	RES-CHIP	10K	5%	1/10W						
R2072	1-216-833-11	METAL CHIP	10K	5%	1/16W	R2133	1-216-833-11	METAL CHIP	10K	5%	1/16W
R2073	1-216-833-11	METAL CHIP	10K	5%	1/16W	R2134	1-216-833-11	METAL CHIP	10K	5%	1/16W
						R2135	1-216-833-11	METAL CHIP	10K	5%	1/16W
R2074	1-216-833-11	METAL CHIP	10K	5%	1/16W	R2136	1-216-833-11	METAL CHIP	10K	5%	1/16W
R2075	1-216-833-11	METAL CHIP	10K	5%	1/16W	R2137	1-216-833-11	METAL CHIP	10K	5%	1/16W
R2076	1-216-833-11	METAL CHIP	10K	5%	1/16W						
R2077	1-216-833-11	METAL CHIP	10K	5%	1/16W	R2138	1-216-833-11	METAL CHIP	10K	5%	1/16W
R2078	1-216-833-11	METAL CHIP	10K	5%	1/16W	R2139	1-216-833-11	METAL CHIP	10K	5%	1/16W
						R2140	1-216-833-11	METAL CHIP	10K	5%	1/16W
R2079	1-216-833-11	METAL CHIP	10K	5%	1/16W	R2141	1-216-073-91	RES-CHIP	10K	5%	1/10W
R2081	1-216-073-91	RES-CHIP	10K	5%	1/10W	R2142	1-216-073-91	RES-CHIP	10K	5%	1/10W
R2082	1-216-073-91	RES-CHIP	10K	5%	1/10W						
R2084	1-216-833-11	METAL CHIP	10K	5%	1/16W	R2143	1-216-833-11	METAL CHIP	10K	5%	1/16W
R2085	1-216-813-11	METAL CHIP	220	5%	1/16W	R2144	1-216-833-11	METAL CHIP	10K	5%	1/16W
						R2145	1-216-833-11	METAL CHIP	10K	5%	1/16W
R2086	1-216-809-11	METAL CHIP	100	5%	1/16W	R3001	1-216-845-11	METAL CHIP	100K	5%	1/16W
R2087	1-216-809-11	METAL CHIP	100	5%	1/16W	R3002	1-216-833-11	METAL CHIP	10K	5%	1/16W
R2088	1-216-809-11	METAL CHIP	100	5%	1/16W						
R2089	1-216-809-11	METAL CHIP	100	5%	1/16W	R3003	1-216-833-11	METAL CHIP	10K	5%	1/16W
R2090	1-216-809-11	METAL CHIP	100	5%	1/16W	R3004	1-216-833-11	METAL CHIP	10K	5%	1/16W
						R3005	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R2091	1-216-809-11	METAL CHIP	100	5%	1/16W	R3006	1-216-017-91	RES-CHIP	47	5%	1/10W
R2092	1-216-833-11	METAL CHIP	10K	5%	1/16W	R3007	1-216-037-00	METAL CHIP	330	5%	1/10W
R2093	1-216-833-11	METAL CHIP	10K	5%	1/16W						
R2094	1-216-833-11	METAL CHIP	10K	5%	1/16W	R3008	1-216-833-11	METAL CHIP	10K	5%	1/16W
R2095	1-216-833-11	METAL CHIP	10K	5%	1/16W	R3009	1-216-017-91	RES-CHIP	47	5%	1/10W
						R3010	1-216-833-11	METAL CHIP	10K	5%	1/16W
R2096	1-216-833-11	METAL CHIP	10K	5%	1/16W	R3011	1-216-833-11	METAL CHIP	10K	5%	1/16W
R2097	1-216-833-11	METAL CHIP	10K	5%	1/16W	R3012	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R2098	1-216-833-11	METAL CHIP	10K	5%	1/16W						
R2099	1-216-833-11	METAL CHIP	10K	5%	1/16W	R3013	1-216-797-11	METAL CHIP	10	5%	1/16W
R2100	1-216-833-11	METAL CHIP	10K	5%	1/16W	R3014	1-216-833-11	METAL CHIP	10K	5%	1/16W
						R3015	1-216-833-11	METAL CHIP	10K	5%	1/16W
R2101	1-216-833-11	METAL CHIP	10K	5%	1/16W	R3016	1-216-121-11	RES-CHIP	1M	5%	1/10W
R2102	1-216-809-11	METAL CHIP	100	5%	1/16W	R3017	1-216-833-11	METAL CHIP	10K	5%	1/16W
R2103	1-216-833-11	METAL CHIP	10K	5%	1/16W						
R2104	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	R3018	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R2105	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R3019	1-216-073-91	RES-CHIP	10K	5%	1/10W
										(US,CND)	
R2106	1-216-833-11	METAL CHIP	10K	5%	1/16W	R3020	1-216-073-91	RES-CHIP	10K	5%	1/10W
R2109	1-216-833-11	METAL CHIP	10K	5%	1/16W					(EXCEPT US,CND)	
R2110	1-216-833-11	METAL CHIP	10K	5%	1/16W	R3021	1-216-833-11	METAL CHIP	10K	5%	1/16W
R2111	1-216-833-11	METAL CHIP	10K	5%	1/16W	R3022	1-216-805-11	METAL CHIP	47	5%	1/16W
R2112	1-216-833-11	METAL CHIP	10K	5%	1/16W						
						R3023	1-216-805-11	METAL CHIP	47	5%	1/16W
R2113	1-216-833-11	METAL CHIP	10K	5%	1/16W	R3024	1-216-121-11	RES-CHIP	1M	5%	1/10W
R2114	1-216-833-11	METAL CHIP	10K	5%	1/16W	R3025	1-216-833-11	METAL CHIP	10K	5%	1/16W
R2115	1-216-833-11	METAL CHIP	10K	5%	1/16W	R3026	1-216-833-11	METAL CHIP	10K	5%	1/16W
R2116	1-216-833-11	METAL CHIP	10K	5%	1/16W	R3027	1-216-833-11	METAL CHIP	10K	5%	1/16W
R2117	1-216-833-11	METAL CHIP	10K	5%	1/16W						
						R3028	1-216-833-11	METAL CHIP	10K	5%	1/16W
R2118	1-216-833-11	METAL CHIP	10K	5%	1/16W	R3029	1-216-833-11	METAL CHIP	10K	5%	1/16W
R2119	1-216-833-11	METAL CHIP	10K	5%	1/16W	R3030	1-216-833-11	METAL CHIP	10K	5%	1/16W
R2120	1-216-809-11	METAL CHIP	100	5%	1/16W	R3031	1-216-073-91	RES-CHIP	10K	5%	1/10W
R2121	1-216-809-11	METAL CHIP	100	5%	1/16W	R3032	1-216-833-11	METAL CHIP	10K	5%	1/16W
R2122	1-216-809-11	METAL CHIP	100	5%	1/16W						
						R3033	1-216-833-11	METAL CHIP	10K	5%	1/16W
R2123	1-216-833-11	METAL CHIP	10K	5%	1/16W	R3034	1-216-833-11	METAL CHIP	10K	5%	1/16W
R2124	1-216-833-11	METAL CHIP	10K	5%	1/16W	R3035	1-216-073-91	RES-CHIP	10K	5%	1/10W
R2125	1-216-821-11	METAL CHIP	1K	5%	1/16W	R3036	1-216-833-11	METAL CHIP	10K	5%	1/16W
R2126	1-216-833-11	METAL CHIP	10K	5%	1/16W	R3037	1-216-833-11	METAL CHIP	10K	5%	1/16W
R2127	1-216-809-11	METAL CHIP	100	5%	1/16W						
						R3038	1-216-833-11	METAL CHIP	10K	5%	1/16W
R2128	1-216-809-11	METAL CHIP	100	5%	1/16W	R3039	1-216-073-91	RES-CHIP	10K	5%	1/10W
R2129	1-216-809-11	METAL CHIP	100	5%	1/16W	R3040	1-216-833-11	METAL CHIP	10K	5%	1/16W
R2130	1-216-833-11	METAL CHIP	10K	5%	1/16W	R3041	1-216-833-11	METAL CHIP	10K	5%	1/16W

DIGITAL

Ref. No.	Part No.	Description				Remark	Ref. No.	Part No.	Description				Remark
R3042	1-216-833-11	METAL CHIP	10K	5%	1/16W		R3105	1-216-073-91	RES-CHIP	10K	5%	1/10W	
R3043	1-216-833-11	METAL CHIP	10K	5%	1/16W		R3106	1-216-073-91	RES-CHIP	10K	5%	1/10W	
R3044	1-216-833-11	METAL CHIP	10K	5%	1/16W		R3107	1-216-073-91	RES-CHIP	10K	5%	1/10W	
R3045	1-216-073-91	RES-CHIP	10K	5%	1/10W		R3108	1-216-073-91	RES-CHIP	10K	5%	1/10W	
R3046	1-216-073-91	RES-CHIP	10K	5%	1/10W		R3109	1-216-833-11	METAL CHIP	10K	5%	1/16W	(EXCEPT US,CND)
R3047	1-216-833-11	METAL CHIP	10K	5%	1/16W		R3110	1-216-833-11	METAL CHIP	10K	5%	1/16W	(US,CND)
R3048	1-216-073-91	RES-CHIP	10K	5%	1/10W		R3111	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R3049	1-216-833-11	METAL CHIP	10K	5%	1/16W		R3112	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R3050	1-216-833-11	METAL CHIP	10K	5%	1/16W		R3113	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R3051	1-216-833-11	METAL CHIP	10K	5%	1/16W		R3114	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R3052	1-216-833-11	METAL CHIP	10K	5%	1/16W		R3115	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R3053	1-216-833-11	METAL CHIP	10K	5%	1/16W		R3116	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R3054	1-216-833-11	METAL CHIP	10K	5%	1/16W		R3117	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R3055	1-216-833-11	METAL CHIP	10K	5%	1/16W		R3118	1-216-809-11	METAL CHIP	100	5%	1/16W	
R3056	1-216-809-11	METAL CHIP	100	5%	1/16W		R3119	1-216-809-11	METAL CHIP	100	5%	1/16W	
R3057	1-216-809-11	METAL CHIP	100	5%	1/16W		R3120	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R3058	1-216-809-11	METAL CHIP	100	5%	1/16W		R3121	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R3059	1-216-809-11	METAL CHIP	100	5%	1/16W		R3122	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R3060	1-216-809-11	METAL CHIP	100	5%	1/16W		R3123	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R3061	1-216-809-11	METAL CHIP	100	5%	1/16W		R3124	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R3062	1-216-809-11	METAL CHIP	100	5%	1/16W		R3125	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R3063	1-216-809-11	METAL CHIP	100	5%	1/16W		R3127	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R3064	1-216-809-11	METAL CHIP	100	5%	1/16W		R4001	1-216-025-11	RES-CHIP	100	5%	1/10W	
R3065	1-216-809-11	METAL CHIP	100	5%	1/16W		R4002	1-216-025-11	RES-CHIP	100	5%	1/10W	
R3066	1-216-809-11	METAL CHIP	100	5%	1/16W		R4003	1-216-025-11	RES-CHIP	100	5%	1/10W	
R3067	1-216-809-11	METAL CHIP	100	5%	1/16W		R4004	1-259-983-11	CARBON MELF	100	2%	1/8W	
R3068	1-216-809-11	METAL CHIP	100	5%	1/16W		R4005	1-259-983-11	CARBON MELF	100	2%	1/8W	
R3069	1-216-809-11	METAL CHIP	100	5%	1/16W		R4006	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R3070	1-216-809-11	METAL CHIP	100	5%	1/16W		R4007	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R3071	1-216-809-11	METAL CHIP	100	5%	1/16W		R4008	1-259-983-11	CARBON MELF	100	2%	1/8W	
R3072	1-216-809-11	METAL CHIP	100	5%	1/16W		R4009	1-259-983-11	CARBON MELF	100	2%	1/8W	
R3073	1-216-809-11	METAL CHIP	100	5%	1/16W		R4010	1-216-033-00	METAL CHIP	220	5%	1/10W	
R3074	1-216-809-11	METAL CHIP	100	5%	1/16W		R4012	1-216-073-91	RES-CHIP	10K	5%	1/10W	
R3075	1-216-809-11	METAL CHIP	100	5%	1/16W		R4013	1-216-809-11	METAL CHIP	100	5%	1/16W	
R3076	1-216-809-11	METAL CHIP	100	5%	1/16W		R4014	1-216-809-11	METAL CHIP	100	5%	1/16W	
R3077	1-216-809-11	METAL CHIP	100	5%	1/16W		R4015	1-216-809-11	METAL CHIP	100	5%	1/16W	
R3078	1-216-809-11	METAL CHIP	100	5%	1/16W		R4016	1-216-809-11	METAL CHIP	100	5%	1/16W	
R3079	1-216-809-11	METAL CHIP	100	5%	1/16W		R4017	1-259-983-11	CARBON MELF	100	2%	1/8W	
R3080	1-216-833-11	METAL CHIP	10K	5%	1/16W		R4018	1-259-983-11	CARBON MELF	100	2%	1/8W	
R3081	1-216-025-11	RES-CHIP	100	5%	1/10W		R4019	1-259-983-11	CARBON MELF	100	2%	1/8W	
R3088	1-216-833-11	METAL CHIP	10K	5%	1/16W		R4020	1-259-983-11	CARBON MELF	100	2%	1/8W	
R3089	1-216-833-11	METAL CHIP	10K	5%	1/16W		R4021	1-216-809-11	METAL CHIP	100	5%	1/16W	
R3090	1-216-833-11	METAL CHIP	10K	5%	1/16W		R4022	1-216-809-11	METAL CHIP	100	5%	1/16W	
R3091	1-216-833-11	METAL CHIP	10K	5%	1/16W		R4023	1-259-983-11	CARBON MELF	100	2%	1/8W	
R3092	1-216-097-11	RES-CHIP	100K	5%	1/10W		R4024	1-259-983-11	CARBON MELF	100	2%	1/8W	
R3093	1-216-097-11	RES-CHIP	100K	5%	1/10W		R4025	1-216-073-91	RES-CHIP	10K	5%	1/10W	
R3094	1-216-073-91	RES-CHIP	10K	5%	1/10W		R4026	1-216-073-91	RES-CHIP	10K	5%	1/10W	
R3095	1-216-073-91	RES-CHIP	10K	5%	1/10W		R4027	1-259-983-11	CARBON MELF	100	2%	1/8W	
R3096	1-216-073-91	RES-CHIP	10K	5%	1/10W		R4028	1-259-983-11	CARBON MELF	100	2%	1/8W	
R3097	1-216-073-91	RES-CHIP	10K	5%	1/10W		R4029	1-216-033-00	METAL CHIP	220	5%	1/10W	
R3098	1-216-073-91	RES-CHIP	10K	5%	1/10W		R4031	1-216-073-91	RES-CHIP	10K	5%	1/10W	
R3099	1-216-073-91	RES-CHIP	10K	5%	1/10W		R4032	1-216-809-11	METAL CHIP	100	5%	1/16W	
R3100	1-216-073-91	RES-CHIP	10K	5%	1/10W		R4033	1-216-809-11	METAL CHIP	100	5%	1/16W	
R3101	1-216-073-91	RES-CHIP	10K	5%	1/10W		R4034	1-216-809-11	METAL CHIP	100	5%	1/16W	
R3102	1-216-073-91	RES-CHIP	10K	5%	1/10W		R4035	1-216-809-11	METAL CHIP	100	5%	1/16W	
R3103	1-216-073-91	RES-CHIP	10K	5%	1/10W		R4036	1-259-983-11	CARBON MELF	100	2%	1/8W	
R3104	1-216-073-91	RES-CHIP	10K	5%	1/10W								

DIGITAL

POWER

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R4037	1-259-983-11	CARBON MELF	100 2% 1/8W	R5036	1-259-971-11	CARBON MELF	10 2% 1/8W
R4038	1-259-983-11	CARBON MELF	100 2% 1/8W	R5037	1-259-971-11	CARBON MELF	10 2% 1/8W
R4039	1-259-983-11	CARBON MELF	100 2% 1/8W	R5038	1-259-988-11	CARBON MELF	270 2% 1/8W
				R5040	1-259-992-11	CARBON MELF	560 2% 1/8W
R4040	1-216-809-11	METAL CHIP	100 5% 1/16W	R5042	1-259-988-11	CARBON MELF	270 2% 1/8W
R4041	1-216-809-11	METAL CHIP	100 5% 1/16W				
R4042	1-259-983-11	CARBON MELF	100 2% 1/8W	R5044	1-259-976-11	CARBON MELF	27 2% 1/8W
R4043	1-259-983-11	CARBON MELF	100 2% 1/8W	R5045	1-259-971-11	CARBON MELF	10 2% 1/8W
R4044	1-216-073-91	RES-CHIP	10K 5% 1/10W	R5046	1-259-971-11	CARBON MELF	10 2% 1/8W
				R5047	1-259-976-11	CARBON MELF	27 2% 1/8W
R4045	1-216-073-91	RES-CHIP	10K 5% 1/10W	R5048	1-259-971-11	CARBON MELF	10 2% 1/8W
R4046	1-259-983-11	CARBON MELF	100 2% 1/8W				
R4047	1-259-983-11	CARBON MELF	100 2% 1/8W	R5049	1-259-971-11	CARBON MELF	10 2% 1/8W
R4048	1-216-033-00	METAL CHIP	220 5% 1/10W	R5050	1-259-995-11	CARBON MELF	1K 2% 1/8W
R4050	1-216-073-91	RES-CHIP	10K 5% 1/10W	R5051	1-259-971-11	CARBON MELF	10 2% 1/8W
				R5052	1-259-971-11	CARBON MELF	10 2% 1/8W
R4051	1-216-809-11	METAL CHIP	100 5% 1/16W	R5053	1-259-988-11	CARBON MELF	270 2% 1/8W
R4052	1-216-809-11	METAL CHIP	100 5% 1/16W				
R4053	1-216-809-11	METAL CHIP	100 5% 1/16W	R5055	1-259-992-11	CARBON MELF	560 2% 1/8W
R4054	1-216-809-11	METAL CHIP	100 5% 1/16W	R5057	1-259-995-11	CARBON MELF	1K 2% 1/8W
R4055	1-216-809-11	METAL CHIP	100 5% 1/16W	R5058	1-259-988-11	CARBON MELF	270 2% 1/8W
				R5060	1-259-976-11	CARBON MELF	27 2% 1/8W
R4056	1-259-983-11	CARBON MELF	100 2% 1/8W	R5061	1-259-971-11	CARBON MELF	10 2% 1/8W
R4057	1-216-809-11	METAL CHIP	100 5% 1/16W				
R4058	1-259-983-11	CARBON MELF	100 2% 1/8W	R5062	1-259-971-11	CARBON MELF	10 2% 1/8W
R4059	1-216-809-11	METAL CHIP	100 5% 1/16W	R5063	1-259-976-11	CARBON MELF	27 2% 1/8W
R4060	1-259-983-11	CARBON MELF	100 2% 1/8W	R5064	1-259-971-11	CARBON MELF	10 2% 1/8W
				R5065	1-259-971-11	CARBON MELF	10 2% 1/8W
R4061	1-259-983-11	CARBON MELF	100 2% 1/8W	R5066	1-259-971-11	CARBON MELF	10 2% 1/8W
R4062	1-216-809-11	METAL CHIP	100 5% 1/16W				
R4063	1-216-809-11	METAL CHIP	100 5% 1/16W	R5067	1-259-971-11	CARBON MELF	10 2% 1/8W
R4064	1-216-809-11	METAL CHIP	100 5% 1/16W	R5068	1-259-988-11	CARBON MELF	270 2% 1/8W
R4065	1-216-809-11	METAL CHIP	100 5% 1/16W	R5070	1-259-992-11	CARBON MELF	560 2% 1/8W
				R5072	1-259-988-11	CARBON MELF	270 2% 1/8W
R4067	1-216-809-11	METAL CHIP	100 5% 1/16W	R5074	1-259-976-11	CARBON MELF	27 2% 1/8W
R5001	1-259-971-11	CARBON MELF	10 2% 1/8W				
R5002	1-259-971-11	CARBON MELF	10 2% 1/8W	R5075	1-259-971-11	CARBON MELF	10 2% 1/8W
R5003	1-259-976-11	CARBON MELF	27 2% 1/8W	R5076	1-259-971-11	CARBON MELF	10 2% 1/8W
R5004	1-259-971-11	CARBON MELF	10 2% 1/8W	R5077	1-259-976-11	CARBON MELF	27 2% 1/8W
				R5078	1-259-971-11	CARBON MELF	10 2% 1/8W
R5005	1-259-971-11	CARBON MELF	10 2% 1/8W	R5079	1-259-971-11	CARBON MELF	10 2% 1/8W
R5006	1-259-971-11	CARBON MELF	10 2% 1/8W				
R5007	1-259-971-11	CARBON MELF	10 2% 1/8W	R5080	1-259-995-11	CARBON MELF	1K 2% 1/8W
R5008	1-259-988-11	CARBON MELF	270 2% 1/8W	R5081	1-259-971-11	CARBON MELF	10 2% 1/8W
R5010	1-259-992-11	CARBON MELF	560 2% 1/8W	R5082	1-259-971-11	CARBON MELF	10 2% 1/8W
				R5083	1-259-988-11	CARBON MELF	270 2% 1/8W
R5012	1-259-988-11	CARBON MELF	270 2% 1/8W	R5085	1-259-992-11	CARBON MELF	560 2% 1/8W
R5014	1-259-976-11	CARBON MELF	27 2% 1/8W				
R5015	1-259-971-11	CARBON MELF	10 2% 1/8W	R5087	1-259-995-11	CARBON MELF	1K 2% 1/8W
R5016	1-259-971-11	CARBON MELF	10 2% 1/8W	R5088	1-259-988-11	CARBON MELF	270 2% 1/8W
R5017	1-259-976-11	CARBON MELF	27 2% 1/8W	R5090	1-259-976-11	CARBON MELF	27 2% 1/8W
R5018	1-259-971-11	CARBON MELF	10 2% 1/8W	<VIBRATOR>			
R5019	1-259-971-11	CARBON MELF	10 2% 1/8W				
R5020	1-259-995-11	CARBON MELF	1K 2% 1/8W	X2001	1-767-326-21	OSCILLATOR, CRYSTAL (40MHz)	
R5021	1-259-971-11	CARBON MELF	10 2% 1/8W	X3001	1-767-938-21	VIBRATOR, CERAMIC (7.28MHz)	
R5022	1-259-971-11	CARBON MELF	10 2% 1/8W	X3002	1-781-088-21	VIBRATOR, CERAMIC (20MHz)	

R5023	1-259-988-11	CARBON MELF	270 2% 1/8W				
R5025	1-259-992-11	CARBON MELF	560 2% 1/8W	*	A-4417-104-A	POWER BOARD, COMPLETE (US,CND)	
R5027	1-259-995-11	CARBON MELF	1K 2% 1/8W	*	A-4417-110-A	POWER BOARD, COMPLETE (EXCEPT US,CND)	
R5028	1-259-988-11	CARBON MELF	270 2% 1/8W			*****	
R5030	1-259-976-11	CARBON MELF	27 2% 1/8W				
R5031	1-259-971-11	CARBON MELF	10 2% 1/8W	*	1-535-303-00	WIRE, JUMPER	
R5032	1-259-971-11	CARBON MELF	10 2% 1/8W		2-389-320-01	CUSHION	
R5033	1-259-976-11	CARBON MELF	27 2% 1/8W		4-211-649-01	SCREW (+BV 3X6 B)	
R5034	1-259-971-11	CARBON MELF	10 2% 1/8W		4-974-510-01	SCREW (+BV 3X8 CU)	
R5035	1-259-971-11	CARBON MELF	10 2% 1/8W				

POWER

Ref. No.	Part No.	Description	Remark		
<CAPACITOR>					
C110	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C111	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C112	1-126-960-11	ELECT	1uF	20%	50V
C115	1-119-800-21	ELECT	100uF	20%	25V
C116	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C117	1-163-093-00	CERAMIC CHIP	10PF	5%	50V
C118	1-119-840-21	ELECT	470uF	20%	63V
C119	1-163-093-00	CERAMIC CHIP	10PF	5%	50V
C120	1-126-955-11	ELECT	4700uF	20%	35V
C121	1-117-783-11	ELECT	13000uF	20%	16V
C122	1-119-800-21	ELECT	100uF	20%	25V
C123	1-119-840-21	ELECT	470uF	20%	63V
C124	1-126-955-11	ELECT	4700uF	20%	35V
C125	1-117-783-11	ELECT	13000uF	20%	16V
C126	1-117-783-11	ELECT	13000uF	20%	16V
C127	1-117-783-11	ELECT	13000uF	20%	16V
C128	1-119-830-11	ELECT	330uF	20%	25V
C129	1-126-964-11	ELECT	10uF	20%	50V
C130	1-119-830-11	ELECT	330uF	20%	25V
C131	1-126-927-11	ELECT	2200uF	20%	10V
C133	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C134	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C136	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C137	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C138	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C140	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C141	1-126-924-11	ELECT	330uF	20%	10V
C142	1-126-924-11	ELECT	330uF	20%	10V
C144	1-126-964-11	ELECT	10uF	20%	50V
C145	1-119-800-21	ELECT	100uF	20%	25V
C146	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C148	1-119-800-21	ELECT	100uF	20%	25V
C149	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C150	1-164-222-91	CERAMIC CHIP	0.22uF		25V
C151	1-136-169-00	MYLAR	0.22uF	5%	50V
C152	1-136-169-00	MYLAR	0.22uF	5%	50V
C153	1-164-222-91	CERAMIC CHIP	0.22uF		25V
C154	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C155	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C156	1-163-009-91	CERAMIC CHIP	0.001uF	10%	50V
C157	1-119-824-31	ELECT	10uF	20%	50V
C158	1-119-824-31	ELECT	10uF	20%	50V

<CONNECTOR>

* CN102	1-564-243-11	PIN, CONNECTOR(3.96MM PITCH)6P
* CN103	1-564-104-00	PIN, CONNECTOR(3.96MM PITCH)3P
* CN104	1-564-104-00	PIN, CONNECTOR(3.96MM PITCH)3P
* CN105	1-564-241-11	PIN, CONNECTOR(3.96MM PITCH)4P
CN106	1-691-771-11	PLUG (MICRO CONNECTOR) 9P

<DIODE>

D101	8-719-800-76	DIODE 1SS226
D102	8-719-025-37	DIODE 02CZ9.1-TE85L
D103	8-719-025-37	DIODE 02CZ9.1-TE85L
D104	8-719-800-76	DIODE 1SS226
D105	8-719-820-05	DIODE 1SS181

Ref. No.	Part No.	Description	Remark
D106	8-719-025-29	DIODE 02CZ5.1-TE85L	
D107	8-719-060-53	DIODE RBV-2506	
D108	8-719-820-05	DIODE 1SS181	
D109	8-719-820-05	DIODE 1SS181	
D110	8-719-025-03	DIODE RBA-402-SL	
D111	8-719-025-29	DIODE 02CZ5.1-TE85L	
D112	8-719-820-05	DIODE 1SS181	
D113	8-719-820-05	DIODE 1SS181	
D114	8-719-820-05	DIODE 1SS181	
D115	8-719-820-05	DIODE 1SS181	
D116	8-719-820-05	DIODE 1SS181	
D117	8-719-820-05	DIODE 1SS181	
D118	8-719-820-05	DIODE 1SS181	
D119	8-719-820-05	DIODE 1SS181	
D120	8-719-820-05	DIODE 1SS181	
D121	8-719-025-33	DIODE 02CZ6.2-TE85L	
D122	8-719-820-05	DIODE 1SS181	
D123	8-719-820-05	DIODE 1SS181	
D124	8-719-820-05	DIODE 1SS181	
D125	8-719-800-76	DIODE 1SS226	
D126	8-719-800-76	DIODE 1SS226	
D127	8-719-820-05	DIODE 1SS181	
D128	8-719-820-05	DIODE 1SS181	

<GROUND TERMINAL>

E101	1-537-770-21	TERMINAL BOARD, GROUND
E102	1-537-770-21	TERMINAL BOARD, GROUND
E103	1-537-770-21	TERMINAL BOARD, GROUND

<IC>

IC101	8-759-636-55	IC M5218AFP-T1
IC102	8-759-632-07	IC M5237L-700A
IC103	8-759-604-86	IC M5F7807L
IC104	8-759-604-90	IC M5F7907L
IC105	8-759-450-47	IC BA05T
IC106	8-759-245-79	IC M5F7905L
IC107	8-759-604-87	IC M5F7818L
IC108	8-759-636-55	IC M5218AFP-T1
IC109	8-759-604-91	IC M5F7918L

<PHOTO INTERRUPTER>

PH101	8-719-936-96	PHOTO COUPLER PC817-B
PH102	8-719-936-96	PHOTO COUPLER PC817-B

<TRANSISTOR>

Q101	8-729-216-22	TRANSISTOR 2SA1162-G
Q102	8-729-230-49	TRANSISTOR 2SC2712-YG
Q103	8-729-230-49	TRANSISTOR 2SC2712-YG
Q104	8-729-230-49	TRANSISTOR 2SC2712-YG
Q105	8-729-216-22	TRANSISTOR 2SA1162-G
Q106	8-729-209-15	TRANSISTOR 2SD2012
Q107	8-729-209-60	TRANSISTOR 2SB1375
Q108	8-729-111-29	TRANSISTOR 2SD1616A-K
Q109	8-729-230-49	TRANSISTOR 2SC2712-YG
Q110	8-729-140-05	TRANSISTOR 2SB1116A-K
Q111	8-729-209-15	TRANSISTOR 2SD2012
Q112	8-729-209-60	TRANSISTOR 2SB1375
Q113	8-729-230-49	TRANSISTOR 2SC2712-YG

REVISION HISTORY

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Also, clicking the version at the upper right on the revised page allows you to jump to the next revised page.

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