
Replaceable Parts

Replaceable Parts

This chapter contains information ordering replacement parts for your power supply. The parts lists are divided into the following groups:

- E3633-60002 Main PC Assembly, starting on page 109
- E3634-60002 Main PC Assembly, starting on page 109
- E3633-60003 Front-Panel Display PC Assembly, on page 119
- E3633-60011 Front Frame Assembly, on page 120
- Agilent E3633A Power Supply Assembly, on page 120
- Agilent E3634A Power Supply Assembly, on page 120
- Manufacturer's List, on page 121

Parts are listed in the alphanumeric order according to their schematic reference designators. The parts lists include a brief description of the part with applicable Agilent part numbers and manufacturer part number.

To Order Replaceable Parts

You can order replaceable parts from Agilent Technologies using the Agilent part number or directly from the manufacturer using the manufacturer's part number. Note that not all parts listed in this chapter are available as field-replaceable parts. To order replaceable parts from Agilent, do the following:

- 1 Contact your nearest Agilent Sales Office or Agilent Service Center.
- 2 Identify parts by the Agilent part number shown in the replaceable parts lists.
- 3 Provide the instrument model number and serial number.

Backdating and Part Changes

Always refer to chapter 7, "Backdating" before attempting repair or before ordering replacement parts. Parts changes are documented in the backdating chapter.

Chapter 6 Replaceable Parts
E3633/E3634-60002 Main PC Assembly

E3633/E3634-60002 Main PC Assembly

Reference Designator	Agilent Part Number	Qty	Part Description	Mfr. Code	Mfr. Part Number
C1	0180-4228	1	CAP-FXD 47uF +-20% 10V TA	12340	T491D476M010AS
C2-6	0160-6497	45	CAP-FXD 0.1uF +-10% 50V CER X7R	12340	C1206C104K5RAC
C7	0180-3751	4	CAP-FXD 1uF +-20% 35 V TA	12340	T491B105M035AS
C8-9	0160-6497		CAP-FXD 0.1uF +-10% 50V CER X7R	12340	C1206C104K5RAC
C10	0180-4854	2	CAP-FXD 2200uF +-20% 35 V AL-ELCTLT	06360	KMG1V222H
C11 (3633A) (3634A)	0180-4235	4	CAP-FXD 470uF +-20% 50 V AL-ELCTLT	12599	KME50VB471M12X20LL
	0180-3595	2	CAP-FXD 220uF +-20% 100 V AL-ELCTLT	00779	UPR2A221RH
C12-14	0160-6497		CAP-FXD 0.1uF +-10% 50V CER X7R	12340	C1206C104K5RAC
C15-16	0160-7746	2	CAP-FXD 0.33uF +- 5% 25V CER X7R	02010	12103C334JATMA
C17	0160-6497		CAP-FXD 0.1uF +-10% 50 V CER X7R	12340	C1206C104K5RAC
C18-19	0180-4853	2	CAP-FXD 2200uF +-20% 50 V AL-ELCTLT	06360	KMG1H222H
C20	0160-6497		CAP-FXD 0.1uF +-10% 50 V CER X7R	12340	C1206C104K5RAC
C21	0180-3643	1	CAP-FXD 470uF +-20% 25 V AL-ELCTLT	06360	SME25VB471M10X16LL
C22	0160-6497		CAP-FXD 0.1uF +-10% 50V CER X7R	12340	C1206C104K5RAC
C23	0180-4854		CAP-FXD 2200uF +-20% 35 V AL-ELCTLT	06360	KMG1V222H
C24-25	0160-6225	2	CAP-FXD 0.33uF +-10% 250 V POLYE-MET	06127	MKS4-.33/250/10
C26-27	0180-4116	3	CAP-FXD 22uF +-20% 20 V TA	12340	T491D226M020AS
C28	0160-6497		CAP-FXD 0.1uF +-10% 50V CER X7R	12340	C1206C104K5RAC
C29	0160-6497		CAP-FXD 0.1uF +-10% 50 V CER X7R	12340	C1206C104K5RAC
C30	0160-6497		CAP-FXD 0.1uF +-10% 50V CER X7R	12340	C1206C104K5RAC
C31-32	0160-5947	2	CAP-FXD 1000pF +-10% 50V CER X7R	06352	C2012X7R1H102K
C33	0160-6497		CAP-FXD 0.1uF +-10% 50 V CER X7R	12340	C1206C104K5RAC
C34	0160-6940	2	CAP-FXD 0.33uF +-20% 50 V CER Z5U	12340	C1210C334M5UAC
C35	0180-3751		CAP-FXD 1uF +-20% 35 V TA	12340	T491B105M035AS
C36-37	0160-5550	2	CAP-FXD 0.1 uF +-5% 100V POLYC-MET	10200	MC1-9196J
C38	0180-3751		CAP-FXD 1uF +-20% 35 V TA	12340	T491B105M035AS
C39 (3633A) (3634A)	0180-4568	3	CAP-FXD +-20% 63 V AL-ELCTLT	00779	LLQ1J123MHSC
	0180-4855		CAP-FXD +-20% 80 V AL-ELCTLT	00779	LLQ1K103MHSC
C40	0160-6497		CAP-FXD 0.1uF +-10% 50V CER X7R	12340	C1206C104K5RAC
C41	0160-6940		CAP-FXD 0.33uF +-20% 50 V CER Z5U	12340	C1210C334M5UAC
C42-43	0160-6497	2	CAP-FXD 0.1uF +-10% 50V CER X7R	12340	C1206C104K5RAC
C44	0160-6736	4	CAP-FXD 0.01uF +-10% 50V CER X7R	12340	C1206C103K5RAC
C45	0160-6497		CAP-FXD 0.1uF +-10% 50V CER X7R	12340	C1206C104K5RAC
C46 (3633A) (3634A)	0180-4568		CAP-FXD +-20% 63 V AL-ELCTLT	00779	LLQ1J123MHSC
	0180-4855		CAP-FXD +-20% 80 V AL-ELCTLT		LLQ1K103MHSC
C47	0160-6497		CAP-FXD 0.1uF +-10% 50V CER X7R	12340	C1206C104K5RAC

Chapter 6 Replaceable Parts
E3633/E3634-60002 Main PC Assembly

Reference Designator	Agilent Part Number	Qty	Part Description	Mfr. Code	Mfr. Part Number
C48	0160-6736	3	CAP-FXD 0.01uF +-10% 50V CER X7R	12340	C1206C103K5RAC
C49	0160-6497		CAP-FXD 0.1uF +-10% 50 V CER X7R	12340	C1206C104K5RAC
C50	0160-5954		CAP-FXD 220pF +-5% 50V CER C0G	12340	C0805C473K5RAC
C51	0160-6497	1	CAP-FXD 0.1uF +-10% 50V CER X7R	12340	C1206C104K5RAC
C52	0160-5954		CAP-FXD 220pF +-5% 50V CER C0G	12340	C0805C473K5RAC
C53-56	0160-6497		CAP-FXD 0.1uF +-10% 50V CER X7R	12340	C1206C104K5RAC
C57	0180-3744	7	CAP-FXD 4.7uF +- 20% 10V TA	12340	T491B475M010AS
C58-59	0160-6497		CAP-FXD 0.1uF +-10% 50V CER X7R	12340	C1206C104K5RAC
C60-65	0160-5892		CAP-FXD 0.22uF +-10% 63V POLYE-MET	11892	MMK5224K63L6
C66-68	0160-6497	2	CAP-FXD 0.1uF +-10% 50 V CER X7R	12340	C1206C104K5RAC
C69,70	0160-6497		CAP-FXD 0.1uF +-10% 50V CER X7R	12340	C1206C104K5RAC
C71	0180-3751		CAP-FXD 1uF +-20% 35 V TA	12340	T491B105M035AS
C72	0160-5944	2	CAP-FXD 0.047uF +-10% 50 V CER X7R	12340	C0805C473K5RAC
C73	0180-4575		CAP-FXD 47uF +-10% 20 V TA	12340	T491D476K020AS
C74 (3633A) (3634A)	0180-4568 0180-4855		CAP-FXD +-20% 63 V AL-ELCTLT CAP-FXD +-20% 80 V AL-ELCTLT	00779	LLQ1J123MHSC LLQ1K103MHSC
C75	0160-6736	2	CAP-FXD 0.01uF +-10% 50V CER X7R	12340	C1206C103K5RAC
C76-80	0160-6497		CAP-FXD 0.1uF +-10% 50V CER X7R	12340	C1206C104K5RAC
C81 (3633A) (3634A)	0160-7332 0160-6105		CAP-FXD 6800pF +-10% 50 V CER X7R CAP-FXD 2700pF +-5% 50 V CER C0G	12340	C1206C682K5RAC C1206C272J5GAC
C82	0160-6734	1	CAP-FXD 0.047uF +-10% 50V CER X7R	12340	C0805C473K5RAC
C83	0160-7021		CAP-FXD 56pF +-5% 50 V CER C0G	12340	C1206C560J5GAC
C84	0160-7332		CAP-FXD 6800pF +-10% 50 V CER X7R	12340	C1206C682K5RAC
C85	0160-6736	1	CAP-FXD 0.01uF +-10% 50V CER X7R	12340	C1206C103K5RAC
C86	0160-7711		CAP-FXD 4700pF +-10% 50 V CER X7R	12340	C0603C472K5RAC
C87	0160-6497		CAP-FXD 0.1uF +-10% 50V CER X7R	12340	C1206C104K5RAC
C88-89 (3633A) (3634A)	0160-6980 0160-8673	3 2	CAP-FXD 39pF +-1% 50 V CER C0G CAP-FXD 680pF +-5% 100 V CER C0G	12340	C1206C390J5GAC C1206C681J1GAC
C90	0160-5944	2	CAP-FXD 0.047uF +-10% 50 V CER X7R	12340	C0805C473K5RAC
C91-92	0160-6497		CAP-FXD 0.1uF +-10% 50 V CER X7R	12340	C1206C104K5RAC
C93	0160-3237		CAP-FXD 0.1uF +-20% 50 V CER Z5U	01542	RPE132Z5U104M50
C94	0160-6104	1	CAP-FXD 2200pF +-5% 50 V CER C0G	12340	C1206C222J5GAC
C95	0160-6497		CAP-FXD 0.1uF +-10% 50 V CER X7R	12340	C1206C104K5RAC
C96	0160-5954		CAP-FXD 220pF +-5% 50V CER C0G	12340	C0805C473K5RAC
C97-98	0180-4235	1	CAP-FXD 470uF +-20% 50 V AL-ELCTLT	06360	KME50VB471M12X20LL
C99	0160-4065		CAP-FXD 0.1uF +-20% 250V PPR-MET	11892	PME271M610M
C100	0160-5892		CAP-FXD 0.22uF +-10% 63V POLYE-MET	11892	MMK5224K63L6
C101-102	0180-3469	2	CAP-FXD 100uF +-20% 35 V AL-ELCTLT	06360	KME35VB101M8X11LL

Chapter 6 Replaceable Parts
E3633/E3634-60002 Main PC Assembly

Reference Designator	Agilent Part Number	Qty	Part Description	Mfr. Code	Mfr. Part Number
C103-104	0160-4183	2	CAP-FXD 1000pF +-20% 250V PPR-MET	11892	PME271Y410M
C105					
(3633A)	0180-4235		CAP-FXD 470uF +-20% 50 V AL-ELCTLT	12599	KME50VB471M12X20LL
(3634A)	0180-3595		CAP 220UF 100V 20% AL	00779	UPR2A221RH
C106					
(3633A)	0160-4535		CAP-FXD 1uF +-10% 50 V CER X7R	00901	C330C105K5R5CA
(3634A)	0160-5755		CAP 0.1UF 100V CER X7R		C192C104K1R5CA
C107	0160-6980		CAP-FXD 39pF +-1% 50 V CER C0G	12340	C1206C390J5GAC
C108-109	0150-0012	2	CAP-FXD 0.01uF +-20% 1 kV CER Z5U	09859	562CAB102AJ103MA22
C110	0160-3237		CAP-FXD 0.1uF +-20% 50 V CER Z5U	01542	RPE132Z5U104M50
C111					
(3633A)	0160-5957	1	CAP-FXD 47pF +-5% 50 V CER C0G	12340	C0805C470J5GAC
(3634A)	0160-6980		CAP 39PF 5% 50V CER COG		C1206C390J5GAC
C112	0160-4697		CAP-FXD 0.1uF +10% 50 V CER X7R	12340	C1206C104K5RAC
CR1	1906-0407	3	DIODE-FW BRDG 400V 1A	04504	DF04S
CR2-3	1906-0291	7	DIODE-DUAL 70V 100MA TO-236AA	02037	BAV99LT1
CR4	1906-0407		DIODE-FW BRDG 400V 1A	04504	DF04S
CR6	1902-0579	3	DIODE-ZNR 5.1V 5% PD=1W IR=10UA	02037	1N4733ARL
CR7	1902-1542	1	DIODE-ZNR 6.2V 5% TO-236 (SOT-23	06337	BZX84C6V2
CR8	1906-0407		DIODE-FW BRDG 400V 1A	04504	DF04S
CR9-10	1902-1570	2	DIODE-ZNR 2.4V 5% TO-236 (SOT-23) PD=.3W	03334	BZX84-C2V4
CR11-12	1901-1335	2	DIODE-PWR RECT 400V 1A 50NS	02037	MURS140T3
CR13	1901-1227	9	DIODE SWITCHING 75V 200MA 6NS TO-236	02910	BAS16
CR14	1906-0291		DIODE-DUAL 70V 100MA TO-236AA	02037	BAV99LT1
CR15	1901-1332	1	DIODE-PWR-S 40V 1A	02037	MBRS140T3
CR16	1902-1304	1	DIODE-ZNR 1N965B 15V 5% DO-35 PD=.5W	02037	1N965B
CR17	1884-0332	2	THYRISTOR-SCR	02037	MCR264-00
CR18	1901-1227		DIODE SWITCHING 75V 200MA 6NS TO-236	02910	BAS16
CR19	1884-0332		THYRISTOR-SCR	02037	MCR264-00
CR20-23	1901-1227		DIODE SWITCHING 75V 200MA 6NS TO-236	02910	BAS16
CR24-25	1906-0291		DIODE-DUAL 70V 100MA TO-236AA	02037	BAV99LT1
CR26	1902-0579		DIODE-ZNR 5.1V 5% PD=1W IR=10UA	02037	1N4733ARL
CR27-28	1906-0291		DIODE-DUAL 70V 100MA TO-236AA	02037	BAV99LT1
CR29-30	1901-1065	2	DIODE-PWR RECT 1N4936 400V 1A 200NS	22280	1N4936
CR31	1906-0291	5	DIODE-DUAL 70V 100MA TO-236AA	02037	BAV99LT1
CR32	1902-0579		DIODE-ZNR 5.1V 5% PD=1W IR=10UA	02037	1N4733ARL
CR33	1906-0291		DIODE-DUAL 70V 100MA TO-236AA	02037	BAV99LT1
CR34	1901-1227		DIODE-SWITCHING 75V 200MA 6NS TO-236	02910	BAS16
CR35-36	1906-0291		DIODE-DUAL 70V 100MA TO-236AA	02037	BAV99LT1

Chapter 6 Replaceable Parts
E3633/E3634-60002 Main PC Assembly

Reference Designator	Agilent Part Number	Qty	Part Description	Mfr. Code	Mfr. Part Number
CR37	1901-1227	1	DIODE-SWITCHING 75V 200MA 6NS TO-236	02910	BAS16
CR38	1906-0291		DIODE-DUAL 70V 100MA TO-236AA	02037	BAV99LT1
CR39	1884-0332		THYRISTOR-SCR TO-220AB VRRM=200	02037	MCR264-00
CR40	1901-1227		DIODE-SWITCHING 75V 200MA 6NS TO-236	02910	BAS16
CR41-42		2			
(3633A)	1901-1542		DIODE-ULT-FST-RCRY 400V 30A 60NS	02910	RURG3040
(3634A)	1906-0261		DIODE PWR 150V 16A	02037	MUR1615CT
CR44	1906-0480	1	DIODE-FW BRDG 200V 35A	22280	GBPC3502W
CR45	1902-0052	1	DIODE-ZNR 6.8V 2% 0.4W	01542	1902-0052
E4	9164-0173	1	ALARM-AUDIBLE PIEZO ALARM PIN TYPE; 25V	09939	PKM22EPP-4002 S
E5-10	9170-1431	6	CORE-SHIELDING BEAD	06352	HF50ACB-453215
E11	9170-1506	1	CORE-SHIELDING BEAD	06352	HF50ACB201209
F1-3	0699-2715	3	RESISTOR-FUSE 1 OHM +-5%; 0.5 W @70	01542	FN1/2
JP1-5	1251-4682	5	CONN-POST TYPE .100-PIN-SPCG-MTG-END	03418	22-10-2031
P1	1252-2161	1	CONN-RECT MICRORBN 24-CKT 24-CONT	01542	554923-2
P2	1252-2266	1	ONN-RECT D-SUBMIN 9-CKT 9-CONT	01542	748959-1
P3	1251-5066	2	CONN-POST TYPE 2.5-PIN-SPCG-MTG-END	01542	22-04-1021
P4	1252-8092	1	CONN-POST TYPE 3.96-PIN-SPCG-MTG-END	01542	09-65-2088
P5	1251-8363	1	CONN-POST TYPE .156-PIN-SPCG-MTG-END	01542	09-65-2038
P6	1252-7162	1	CONN-POST TYPE 2.0-PIN-SPCG-MTG-END	01542	00-8283-12-12-00-000
P7-9	1252-2771	3	CONNECTOR-SGL QDISC-M .25-IN-BSC-SZ	01542	63067-1
P10	1252-8093	1	CONN-POST TYPE 3.96-PIN-SPCG-MTG-END	01542	09-65-2068
P11	1251-5066		CONN-POST TYPE 2.5-PIN-SPCG-MTG-END	03418	22-04-1021
Q2-3	1854-1053	2	TRANSISTOR NPN SI SOT-23 (TO-236AB)	03406	MMBT2222ALT1
Q4	1853-0281	1	TRANSISTOR PNP 2N2907A SI TO-18 PD=400MW	02037	2N2907A
Q5-6		2			
(3633A)	1855-1122		TRANSISTOR MOSFET N-CHAN TO-247AC	03038	IRFP064
(3634A)	1855-1651		TRANSISTOR MOSFET N-CHAN E-MODE TO-247		IRFP260N
Q7	1855-0493	1	TRANSISTOR MOSFET P-CHAN E-MODE TO-220	03038	IRF9530N
R1	0699-1318	16	RESISTOR 1K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-1001
R2	0699-1380	2	RESISTOR 3.16K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-3161
R3-R4	0699-1318		RESISTOR 1K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-1001
R5	0699-1330	4	RESISTOR 100K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-1003
R6	0699-1374	1	RESISTOR 1.78K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-1781
R7	0699-1391	8	RESISTOR 10K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-1002
R8	0699-1318		RESISTOR 1K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-1001
R9	0699-1391		RESISTOR 10K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-1002
R10	0699-1405	1	RESISTOR 38.3K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-3832
R11-12	0699-1423	15	RESISTOR 215 +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-2150

Chapter 6 Replaceable Parts
E3633/E3634-60002 Main PC Assembly

Reference Designator	Agilent Part Number	Qty	Part Description	Mfr. Code	Mfr. Part Number
R13	0699-1386	2	RESISTOR 5.62K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-5621
R14	0699-1381	2	RESISTOR 3.48K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-3481
R17-18	0699-1415	7	RESISTOR 100 +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-1000
R19	0699-1425	3	RESISTOR 261 +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-2610
R20	0764-0033	1	RESISTOR 33 +-5% 2W MO TC=0+-200	01542	FP69 33R0 5%
R21-23	0699-1423		RESISTOR 215 +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-2150
R24	0699-1391		RESISTOR 10K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-1002
R25	0699-1425		RESISTOR 261 +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-2610
R26	0699-1318		RESISTOR 1K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-1001
R27-28	0699-1415		RESISTOR 100 +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-1000
R29-30	0699-1318		RESISTOR 1K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-1001
R31	0699-1391		RESISTOR 10K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-1002
R32	0699-1381		RESISTOR 3.48K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-3481
R33	0699-1425		RESISTOR 261 +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-2610
R34	0699-1330		RESISTOR 100K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-1003
R35	0757-0274	1	RESISTOR 1.21K +-1% .125W TF TC=0+-100	00746	5053HD1K210F
R36	0699-1318		RESISTOR 1K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-1001
R37	0699-1318		RESISTOR 1K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-1001
R38	0699-3431	1	RESISTOR 4.99K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-4991
R39	0811-2188	1	RESISTOR 5K +-5% 3W PWI TC=0+-20	02499	RS-25K05%
R40	0699-1423		RESISTOR 215 +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-2150
R41	0699-1386		RESISTOR 5.62K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-5621
R42	0699-1415		RESISTOR 100 +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-1000
R43	0699-1348	1	RESISTOR 14.7 +-1% .125W TKF TC=0+-100	00746	MCR18-F-14R7
R44	0699-1344	1	RESISTOR 10 +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-10R0
R45	0699-1318		RESISTOR 1K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-1001
R46	0699-1382	1	RESISTOR 3.83K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-3831
R47	0699-1380		RESISTOR 3.16K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-3161
R48-53	0699-1423		RESISTOR 215 +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-2150
R54	0699-1318		RESISTOR 1K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-1001
R55-56	0699-1428	2	RESISTOR 348 +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-3480
R57	0699-1415		RESISTOR 100 +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-1000
R58	0699-3211	1	RESISTOR 39.2K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-3922
R59	0699-1904	2	RESISTOR 1.62K +-0.1% .25W TF TC=0+-100	00746	MCR18-F-1621
R60	0699-1389	3	RESISTOR 8.25K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-8251
R61	0699-1318		RESISTOR 1K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-1001
R62-64	0699-2489	17	RESISTOR 10K +-0.1% .125W TF TC=0+-25	06337	W1206R031002BT
R65	0699-1385	2	RESISTOR 5.11K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-5111

Chapter 6 Replaceable Parts
E3633/E3634-60002 Main PC Assembly

Reference Designator	Agilent Part Number	Qty	Part Description	Mfr. Code	Mfr. Part Number
R66	0699-1423		RESISTOR 215 +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-2150
R67	0699-1383	1	RESISTOR 4.22K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-4221
R68	0699-1379	1	RESISTOR 2.87K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-2871
R69 (3633A)	0699-1404	1	RESISTOR 34.8K +-1% .125W TKF TC=0+-100		MCR18-F-X-3482
(3634A)	0699-1406	2	RESISTOR 42.2K +-1% .125W TKF TC=0+-100	00746	MCR18-F-4222
R70	0699-1400	1	RESISTOR 26.1K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-2612
R71	0699-2491	3	RESISTOR 20K +-0.1% .125W TF TC=0+-25	02499	W1206R032002BT
R72	0699-2837	5	RESISTOR 30K +-0.1% .125W TF TC=0+-25	02499	W1206R033002BT
R73	0699-2843	1	RESISTOR 100K +-0.5% .125W TF TC=0+-25	02499	W1206R031003BT
R74	0699-1406		RESISTOR 42.2K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-4222
R75-82	0699-2489		RESISTOR 10K +-0.1% .125W TF TC=0+-25	06337	W1206R031002BT
R83	0699-1396	1	RESISTOR 17.8K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-1782
R84	0699-1415		RESISTOR 100 +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-1000
R85	0699-1403	3	RESISTOR 31.6K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-3162
R86	0699-1384	2	RESISTOR 4.64K +-1% .125W TKF TC=0+-100	00746	MCR18-F-4641
R87 (3633A)	0699-1394	4	RESISTOR 14.7K +-1% .125W TKF TC=0+-100	00746	MCR18-F-1472
(3634A)	0699-1394	3			
R88	0699-1398	1	RESISTOR 21.5K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-2152
R89	0699-3602	1	RESISTOR 12.4K +-0.1% .125W TF TC=0+-25	00746	MCR18-F-1472
R90	0699-1389		RESISTOR 8.25K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-8251
R91 (3633A)	0699-3223	2	RESISTOR 45.3K +-0.1% .125W TF TC=0+-25	02499	W1206-R-03-45R3KB
(3634A)	0699-5409	2	R-C 17.4K 0.1% 1/8W	09891	RN73E2B1742B
R92	0699-1423		RESISTOR 215 +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-2150
R93	0699-1413	1	RESISTOR 82.5K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-8252
R95-97	0699-2489		RESISTOR 10K +-0.1% .125W TF TC=0+-25	02499	W1206R031002BT
R98	0699-2837		RESISTOR 30K +-0.1% .125W TF TC=0+-25	02499	W1206R033002BT
R99	0699-1330		RESISTOR 100K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-1003
R100	0699-2506	1	RESISTOR 7.15K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-7151
R101	0699-2489		RESISTOR 10K +-0.1% .125W TF TC=0+-25	06337	W1206R031002BT
R102	0699-2837		RESISTOR 30K +-0.1% .125W TF TC=0+-25	02499	W1206R033002BT
R103	0699-1449	1	RESISTOR 348K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-3483
R104	0699-1318		RESISTOR 1K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-1001
R105	0699-4527	3	RESISTOR 16.9K +-0.1% .125W TF TC=0+-25	02499	W1206-R-03-1692-B
R106	0699-1391		RESISTOR 10K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-1002
R107-108	0699-2837		RESISTOR 30K +-0.1% .125W TF TC=0+-25	02499	W1206R033002BT
R109					
(3633A)	0699-1410	1	RESISTOR 61.9K +-1% .125W TKF TC=0+-100		MCR18-F-X-6192
(3634A)	0699-2145	2	RESISTOR 33K +-1% .125W TKF TC=0+-100	00746	MCR18-J-333

Chapter 6 Replaceable Parts
E3633/E3634-60002 Main PC Assembly

Reference Designator	Agilent Part Number	Qty	Part Description	Mfr. Code	Mfr. Part Number
R110					
(3633A)	0699-3223		RESISTOR 45.3K +-0.1% .125W TF TC=0+-25	02499	W1206-R-03-45R3KB
(3634A)	0699-5409		R-C 17.4K 0.1% 1/8W	09891	RN73E2B1742B
R111-112	0699-3577	2	RESISTOR 140K +-0.1% .125W TF TC=0+-25	02499	W1206-R-03-1403B
R113	0699-1318		RESISTOR 1K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-1001
R114	0699-1423		RESISTOR 215 +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-2150
R115	0699-2484	1	RESISTOR 50K +-1% .125W TKF TC=0+-25	09891	W1206R035002BT
R116	0699-3590	3	RESISTOR 22.1K +-0.1% .125W TF TC=0+-25	09891	9C12063A2212BE
R117	0699-1389		RESISTOR 8.25K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-8251
R118	0699-1408	2	RESISTOR 51.1K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-5112
R119	0699-1394		RESISTOR 14.7K +-1% .125W TKF TC=0+-100	00746	MCR18-F-1472
R120					
(3633A)	0699-1394		RESISTOR 14.7K +-1% .125W TKF TC=0+-100	00746	MCR18-F-1472
(3634A)	0699-2489		R-C 10K 0.1% 1/8W	02499	W1206R031002BT
R121					
(3633A)	0699-4527	1	RESISTOR 16.9K +-0.1% .125W TF TC=0+-25	02499	W1206-R-03-1692-B
(3634A)	0699-1400		R-C 26.1K 1% 1/8W	00746	MCR18-F-2612
R122	0699-3590		RESISTOR 22.1K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-2212
R123					
(3633A)	0699-1394		RESISTOR 14.7K +-1% .125W TKF TC=0+-100	00746	MCR18-F-1472
(3634A)	0699-2489		R-C 10K 0.1% 1/8W	02499	W1206R031002BT
R124	0699-4527		RESISTOR 16.9K +-0.1% .125W TF TC=0+-25	02499	W1206-R-03-1692-B
R125	0699-1318		RESISTOR 1K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-1001
R126	0699-2491		RESISTOR 20K +-0.1% .125W TF TC=0+-25	02499	W1206R032002BT
R127	0699-1408		RESISTOR 51.1K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-5112
R128	0699-2491		RESISTOR 20K +-0.1% .125W TF TC=0+-25	02499	W1206R032002BT
R129					
(3633A)	0699-1330		RESISTOR 100K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-1003
(3634A)	0699-2837		R-C 30K 0.1% 1/8W	02499	W1206R033002BT
R130					
(3633A)	0699-3662	1	RESISTOR 5.36K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-5361
(3634A)	0699-2721		R-C 3.16K 0.1% 1/8W	02499	W1206R033161BT
R131	0699-1391		RESISTOR 10K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-1002
R132	0699-1403		RESISTOR 31.6K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-3162
R133	0699-1391		RESISTOR 10K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-1002
R134	0699-2145	1	RESISTOR 33K +-5% .125W TKF TC=0+-200	00746	MCR18-J-W-333
R135					
(3633A)	0699-3590		RESISTOR 22.1K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-2212
(3634A)	0699-2489		R-C 10K 0.1% 1/8W	02499	W1206R031002BT
R136	0699-2127	1	RESISTOR 36.5K +-5% .125W TKF TC=0+-100	00746	MCR18-F-X-3652
R137	0699-2843		RESISTOR 100K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-1003

Chapter 6 Replaceable Parts
E3633/E3634-60002 Main PC Assembly

Reference Designator	Agilent Part Number	Qty	Part Description	Mfr. Code	Mfr. Part Number
R138	0699-1385		RESISTOR 5.11K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-5111
R139	0699-1394		RESISTOR 14.7K +-1% .125W TKF TC=0+-100	00746	MCR18-F-1472
R140					
(3633A)	0699-1904	1	RESISTOR 1.62K +-0.1% .125W TF TC=0+-25	01542	0699-3270
(3634A)	0699-2489		R-C 10K 0.1% 1/8W	02499	W1206R031002BT
R141	0699-1403		RESISTOR 31.6K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-3162
R142					
(3633A)	0683-3025	1	RESISTOR 3K +-5% .25W CF TC=0-400	06337	5043CX3K000J
(3634A)	0761-0068		RES 4.7K 1W 5% MO	02499	RG324K7-%
R143	0699-1318		RESISTOR 1K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-1001
R144					
(3633A)	0699-5488	1	SHUNT SENSE RESISTOR 10MOHM 10W	01542	PBV-R010-F1-1.0
(3634A)	0699-5701	1	RES 0.05 0.5% 3W		PBV-R050-0.5
R145	0699-1384		RESISTOR 4.64K +-1% .125W TKF TC=0+-100	00746	MCR18-F-4641
R146	0699-1377	1	RESISTOR 2.37K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-2371
R147	0698-3627	1	RESISTOR 200 +-5% 2W MO TC=0+-200	02499	FP69 200R 5%
R148	0683-3305	1	RESISTOR 33 +-5% .25W CF TC=0-400	06337	5043CX33R00J
R149	0699-1391		RESISTOR 10K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-1002
R150-151	0699-1375	2	RESISTOR 1.96K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-1961
RV1-6	0837-0261	6	DIODE-VRTS	03799	V275LA20A
S1	3101-2976	1	SW-PB DPST 6A 250V	04486	NE18-2A-EE-SP
U1	34401-88842	1	IC(34401-88805)8BIT MCU 87C51	01542	N83C51FA(R8922)
U2	1990-1552	2	OPTO-ISOLATOR LED-IC GATE IF=10MA-MAX	01542	HCPL-2211-300
U3	1820-6176	1	IC-INTERFACE XCVR BIPOLAR BUS OCTL	01698	SN75ALS160DW
U4	1820-7662	1	IC-INTERFACE DRV/R/CVR BIPOLAR DUAL	01542	LT1180CS
U5	1990-1552		OPTO-ISOLATOR LED-IC GATE IF=10MA-MAX	01542	HCPL-2211-300
U6	1821-1721	1	IC-GPIB CONTROLLER	01698	MP9914FNL
U7	1820-5478	1	IC FF CMOS/HCT D-TYPE POS-EDGE-TRIG	01542	74HCT74D
U8	1820-6470	1	IC SCHMITT-TRIG CMOS/HCT INV HEX	02037	74HCT14AD
U9	1826-0144	1	IC PWR MGT-V-REG-FXD-POS 4.8/5.2V TO-220	01542	MC7805CT
U10	1826-3755	1	IC PWR MGT-V-REG-FXD-POS 4.75/5.25V 5	03406	LM2925T
U11	1820-6175	1	IC-INTERFACE XCVR BIPOLAR BUS OCTL	01698	SN75ALS162DW
U12	1826-0393	1	LM 317	01542	LM317T
U13 (3633A)	E3633-60035	1	IC 2M-BIT OTP 150NS CMOS	01542	AM27C020-150JC
(3634A)	E3634-60035	1			
U14	1818-4777	1	IC 256K-BIT SRAM 70-NS CMOS	01542	CXK58257AM-70L
U15	1818-5236	1	IC 4K-BIT EEPROM 500-NS CMOS	01542	ST93C66CM1
U16	1826-0527	1	LM 337	01542	LM337T
U17	1990-1659	3	OPTO-ISOLATOR LED-PTRIAC IF=50MA-MAX	01542	MCP3020Z

Chapter 6 Replaceable Parts
E3633/E3634-60002 Main PC Assembly

Reference Designator	Agilent Part Number	Qty	Part Description	Mfr. Code	Mfr. Part Number
U18	1990-1659		OPTO-ISOLATOR LED-PTRIAC IF=50MA-MAX	01542	MCP3020Z
U19	1821-1479	1	IC 16-BIT MCU I/O TIMER	01542	N80C196KB
U20	1820-8907	1	IC-ASIC GT-ARY 600 GATES CMOS SCX6200	01542	SCX6206AK0
U21	1820-5937	1	IC FF CMOS/AC D-TYPE POS-EDGE-TRIG	01542	74AC74SC
U22	1826-2793	1	D/A 16-BIT 16-P-SOIC BICMOS	01542	AD1851R
U23	1820-5790	1	IC SHF-RGTR CMOS/HC SYNCHRO SERIAL-IN	01542	74HC4094D
U24	1821-0434	2	IC ANLG-MUXR/DEMUXR CMOS/HC 8-CHANNEL	01542	74HC4051D
U25	1826-1991	1	IC OP AMP HS SINGLE 8 PIN PLSTC-SOIC	01542	AD711JR
U26	1821-0434		IC ANLG-MUXR/DEMUXR CMOS/HC 8-CHANNEL	01542	74HC4051D
U27	1826-4018	1	PHASE CONTROL IC SINGLE 16 PIN DIP-P	06121	TCA785
U28	1826-1925	2	IC OP AMP LOW-NOISE SINGLE 8 PIN	01542	OP-27GS
U29	1826-1811	3	IC OP AMP LOW-BIAS-H-IMPED DUAL 8 PIN	01542	TL072ACD
U30	1826-1622	3	IC OP AMP LOW-BIAS-H-IMPED QUAD 14 PIN	01542	TL074CD
U31	1826-2420	3	IC OP AMP LP DUAL 8 PIN PLATC-SOIC	01542	AD706002JR
U32	1820-4346	1	IC MUXR/DATA-SEL CMOS/HC	01542	74HC4053D
U33	1826-2801	2	IC PWR MGT-OV-V-SEN 8 PINS P-SOIC PKG	01542	MC3423D
U34	1826-1811		IC OP AMP LOW-BIAS-H-IMPED DUAL 8 PIN	01542	TL072ACD
U35	1826-1925		IC OP AMP LOW-NOISE SINGLE 8 PIN	01542	OP-27GS
U36	1826-1622		IC OP AMP LOW-BIAS-H-IMPED QUAD 14 PIN	01542	TL074CD
U37	1826-2801		IC PWR MGT-OV-V-SEN 8 PINS P-SOIC PKG	01542	MC3423D
U38	1826-0147	1	IC PWR MGT-V-REG-FXD-POS 11.5/12.5V	02037	MC7812CT
U39	1826-0221	1	IC PWR MGT-V-REG-FXD-NEG -11.5/-12.5V	02037	MC7912CT
U40	1826-1838	1	IC PWR MGT-V-REF-FXD 4.95/5.05V 8 PINS	01542	LT1021DCS8-5
U41	1826-2420		IC OP AMP LP DUAL 8 PIN PLATC-SOIC	01542	AD706002JR
U42	1826-1622		IC OP AMP LOW-BIAS-H-IMPED QUAD 14 PIN	01542	TL074CD
U43	1826-2420		IC OP AMP LP DUAL 8 PIN PLATC-SOIC	01542	AD706002JR
U44	1826-1635	1	IC OP AMP LOW-OFS SINGLE 8 PIN	10858	OP-07CS8
U45	1826-1811		IC OP AMP LOW-BIAS-H-IMPED DUAL 8 PIN	01542	TL072ACD
U46	1990-1659		OPTO-ISOLATOR LED-PTRIAC IF=50MA-MAX	01542	MCP3030Z
VR1	1902-1542	1	DIODE-ZNR 6.2V 5% TO-236 (SOT-23)	01542	BZX84C6V2
Y1	0410-4009	1	RESONATOR-CERAMIC 12.0MHZ; STABILITY=.1	01542	PBRC-12.0BR
Y2	1813-0827	1	CLK-OSC-XTAL STD 12.000-MHZ 0.01%	01542	SG-615P-12.000MC
	E3633-60016	1	TERMINAL BLOCK ASSY	01542	E3633-60016
	2110-1030	1	FUSE 6.3A 250V TD FE UL-REC IEC (for option STD, 0E9)	02805	S506-6.3A
	2110-1031	1	FUSE (METRIC) 3.15A 250V TD FE UL-REC (for option 0E3)	02805	S506-3.15A

Chapter 6 Replaceable Parts
E3633/E3634-60002 Main PC Assembly

Reference Designator	Agilent Part Number	Qty	Part Description	Mfr. Code	Mfr. Part Number
C301-302*	0160-5959	2	CAP-FXD 33PF 5% 50V CER	12340	C0805C330J5GAC
C303*	0160-5967	1	CAP-FXD 100PF 5% 50V CER	12340	C0805C101J5GAC
C304*	0160-4535	1	CAP 1UF 50VDC CER 10%	12340	C330C105K5R5CA
C305	0180-4575	1	CAP-FXD 47uF +-10% 20V TA	12340	T491D476K020AS
CR46*	1901-1149	1	DIODE-PWR RECT 400V 1A 50NS DO-41	71744	UF4004
CR301-302*	1901-1227	2	DIODE SWITCHING 75V 200MA 6NS TO-230	02910	BAS16
CR303	1901-1227	1	DIODE SWITCHING 75V 200MA 6NS TO-230	02910	BAS16
R301*	0699-2145	1	R-C 33K 1% 1/8W	00746	MCR18-J-333
R302*	0699-1408	1	R-C 51.1K 1% 1/8W	00746	MCR18-F-5112
R303*	0699-5553	1	R-C 14.3K 1% 1/8W TF	00746	MCR18-F-X-1432
R304-305*	0699-1369	2	R-C 1.1K 1% 1/8W	00746	MCR18-F-1101
R306*	0699-1430	1	R-C 422 1% 1/8W TKF	00746	MCR18-F-4220
R307	0699-1398	1	R-C 21.5K 1% 1/8W	00746	MCR18-F-2152
R308	0699-1385	1	R-C 5.11K 1% 1/8W	00746	MCR18-F-5111
R309	0699-1381	1	R-C 3.48K 1% 1/8W	00746	MCR18-F-3481
Q301	1854-1053	1	TRANSISTOR NPNN SI SOT-23(TO-236AB)	03406	MMBT2222ALT1
U301*	1826-1811	1	IC OP AMP LOW-BIAS-H-IMPD DUAL 8 PIN	01542	TO072ACD
U302*	1990-1276	1	IC OPTO-ISLTR CNY17GF-1Z	06121	CNY17F-1

*** For use with E3634A model only**

Chapter 6 Replaceable Parts
E3633-60003 Front-Panel Display PC Assembly

E3633-60003 Front-Panel Display PC Assembly

Reference Designator	Agilent Part Number	Qty	Part Description	Mfr. Code	Mfr. Part Number
C1-3	0160-6497	14	CAP-FXD 0.1uF +-10% 50 V CER X7R	12340	C1206C104K5RAC
C4-5	0180-3751	2	CAP-FXD 1uF +-20% 35 V TA	12340	T491B105M035AS
C6	0160-5945	3	CAP-FXD 0.01uF +-10% 50 V CER X7R	12340	C0805C103K5RAC
C7-8	0160-6497		CAP-FXD 0.1uF +-10% 50V CER X7R	12340	C1206C104K5RAC
C9	0160-5945		CAP-FXD 0.01uF +-10% 50 V CER X7R	12340	C0805C103K5RAC
C10-15	0160-6497		CAP-FXD 0.1uF +-10% 50V CER X7R	12340	C1206C104K5RAC
C16-17	0160-5947	2	CAP-FXD 1000pF +-10% 50 V CER X7R	12340	C0805C102K5RAC
C18	0160-5945		CAP-FXD 0.01uF +-10% 50 V CER X7R	12340	C0805C103K5RAC
C19-20	0160-6497	1	CAP-FXD 0.1uF +-10% 50 V CER X7R	12340	C1206C104K5RAC
C25	0160-6497		CAP-FXD 0.1uF +-10% 50 V CER X7R	12340	C1206C104K5RAC
CR1	1906-0291	1	DIODE-DUAL 70V 100MA TO-236AA	02037	BAV99LT1
CR2	1902-1542	1	DIODE-ZNR 6.2V 5% TO-236 (SOT-23)	02910	BZX84C6V2
Q1-2	1854-1053	2	TRANSISTOR NPN SI SOT-23 (TO-236AB)	03406	MMBT2222ALT1
R1-4	0699-1348	4	RESISTOR 14.7 +-1% .125W TKF TC=0+-100	00746	MCR18-F-14R7
R5	0699-1391	8	RESISTOR 10K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-1002
R6	0699-1400	2	RESISTOR 26.1K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-2612
R7-9	0699-1391		RESISTOR 10K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-1002
R10	0699-1318	1	RESISTOR 1K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-1001
R11	0699-1391		RESISTOR 10K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-1002
R12	0699-1378	1	RESISTOR 2.61K +-1% .125W TKF TC=0+-100	00746	MCR18-F-2611
R13-15	0699-1391		RESISTOR 10K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-1002
R16-19	0699-1423	4	RESISTOR 215 +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-2150
R20-21	0699-1330	2	RESISTOR 100K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-1003
R22	0699-1400		RESISTOR 26.1K +-1% .125W TKF TC=0+-100	00746	MCR18-F-X-2612
U1	1820-5330	1	IC-INTERFACE DRVR BIPOLAR DISPLAY	07221	HV518PJ
U2	1826-1402	1	IC PWR MGT-V-REG-FXD-POS 4.8/5.2V 8 PINS	03406	LM78L05ACM
U3	1826-2264	1	IC PWR MGT-UND-V-SEN 8 PINS P-SOIC PKG	02037	MC34064D-5
U4	1820-5562	1	IC GATE CMOS/HC NOR QUAD 2-INP	02037	MC74HC02AD
U5	1820-5478	1	IC FF CMOS/HCT D-TYPE POS-EDGE-TRIG	02910	74HCT74D
U6	1820-6756	1	IC SHF-RGTR CMOS/HC MULTI-MODE	02037	MC74HC299D
U7	34401-88804	1	IC-8-BIT MCU W/4K EPROM;12MHz	01542	34401-88804
U8	1826-1528	1	IC COMPARATOR LP QUAD 14 PIN PLSTC-SOIC	03406	LM339M
U9	E3633-60012	1	VFD, E3633A	01542	E3633-60012
Y1	0410-4009	1	RESONATOR-CERAMIC 12.0MHZ; STABILITY=.1	00830	PBRC-12.00BR07
J1	1252-7161	1	CONN-POST TYPE 2.0-PIN-SPCG-MTG-END	01542	1252-7161

E3633-60011 Front Frame Assembly

Reference Designator	Agilent Part Number	Qty	Part Description	Mfr. Code	Mfr. Part Number
	E3633-40001 E3634-40001	1	WINDOW PLATE	01542	E3633-40001
	E3633-40002 E3634-40002	1	KEY PAD	01542	E3633-40002
	E3632-40003	1	KNOB	01542	E3633-40003
	E3632-40004	1	FRONT FRAME	01542	E3633-40004
	E3633-60007 E3634-60007	1	BINDING POST BLOCK ASSY	01542	E3633-60007

E3633A/E3634A Power Supply Assembly

Reference Designator	Agilent Part Number	Qty	Part Description	Mfr. Code	Mfr. Part Number
	E3633-60013 E3634-60013	1	TRANSFORMER BRACKET ASSY	01542	E3633-60013 E3634-60013
	E3633-60006	1	DC FAN HARNESS ASSY	01542	E3633-60006
	E3632-60013	1	AC INLET ASSY	01542	E3633-60015
	E3632-00002	2	SHORT LINK	01542	E3633-00002
	E3631-40010	1	BUMFER-FRONT, NEW COLOR	01542	E3631-40010
	E3631-40011	1	BUMFER-REAR, NEW COLOR	01542	E3631-40011
	E3631-40014	1	REAR BEZEL, NEW COLOR	01542	E3631-40014
	E3632-40005	1	PUSH ROD	01542	E3632-40005
	2110-1030	1	FUSE 6.3A FOR 100 AND 115 Vac	01542	2110-1030
	2110-1031	1	FUSE 3.15A FOR 230 Vac	01542	2110-1031

Manufacturer's List

Mfr Code	Manufacturer's Name	Manufacturer's Address
07221	SUPERTEX INC	SUNNYVALE, CA, U.S.A
00746	ROHM Corp	Kyoto, Japan
00779	NICHICON AMERICA CORP	Schaumburg, IL, U.S.A
00830	KYOCERA AMERICA, INC	SAN DIEGO, CA, U.S.A
00901	UNION CARBIDE CORP	DANBURY, CT, U.S.A
01542	Agilent Div. 01 San Jose Components	San Jose, CA, U.S.A
01698	Texas Instrument Inc	Dallas, TX, U.S.A
02010	AVX Corp	Myrtle Beach, SC, U.S.A
02037	Motorola Inc	Schaumburg, IL, U.S.A
02499	International Resistive Co.	Boone, NC, U.S.A
02805	COOPER INDUSTRIES INC	HOUSTON, TX, U.S.A
02910	Philips Semiconductors	Eindhoven, NL
03038	INTL Rectifier Corp	Los Angeles, CA, U.S.A
03334	NV Philips Elcoma	Eindhoven, NL
03406	National Semiconductors	Santa Clara, CA, U.S.A
03418	MOLEX INC	LISLE, IL, U.S.A
04486	ITT Corp	New York, NY, U.S.A
04504	General Instrument Corp	Clifton, NJ, U.S.A
06121	SIEMENS AG	BERLIN, DE
06127	WIMA	Mannheim, DE
06337	Philips Electronics N V	Eindhoven, NL
06352	TDK Corporation of America	Skokie, IL, U.S.A
06360	Nippon Chemi-Con Corp	Ohme-Shi, Japan
09859	CERA-MITE CORP	GRAFTON, WI, U.S.A
09891	KOA Corporation	Ina-shi, Nagano, Japan
09939	Murata Electronics North America	Long beach, CA, U.S.A
10200	Electronic Concepts Inc	
10858	LINEAR TECHNOLOGY CORP	MILPITAS, CA, U.S.A
11892	EVOX/RIFA Inc	Lincolnshire, IL, U.S.A
12340	KEMET Electronics Corporation	Simpsonville SC, U.S.A
12599	SAM YOUNG ELECTRONICS	SongNam City, Korea
22280	GENERAL SEMICONDUCTOR INC	MELVILLE, NY U.S.A

Backdating

Backdating

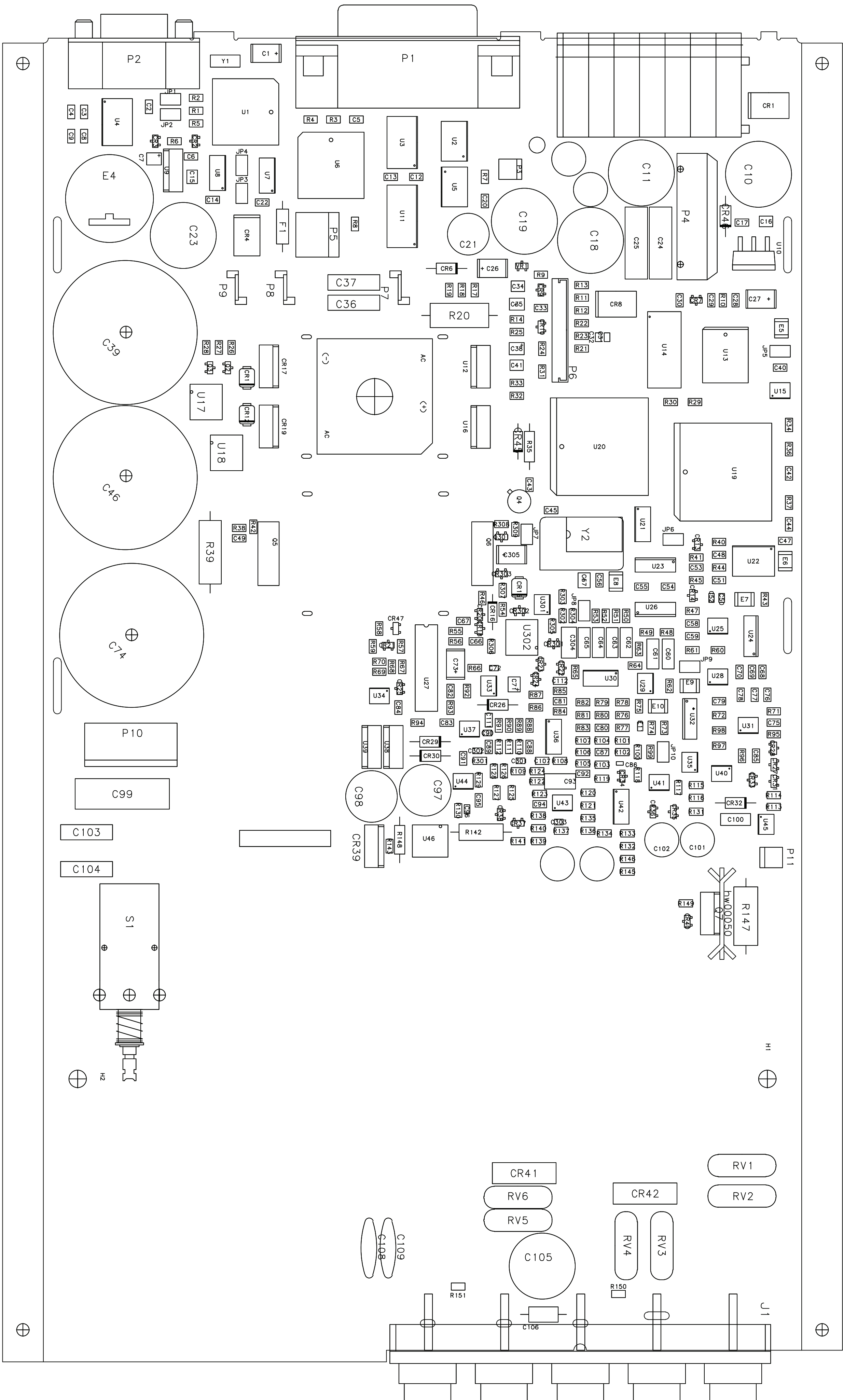
This chapter normally contains information necessary to adapt this manual to instruments not directly covered by the current content. At this printing, however, the manual applies to all instruments. Therefore, no information is included in this chapter.

Schematics

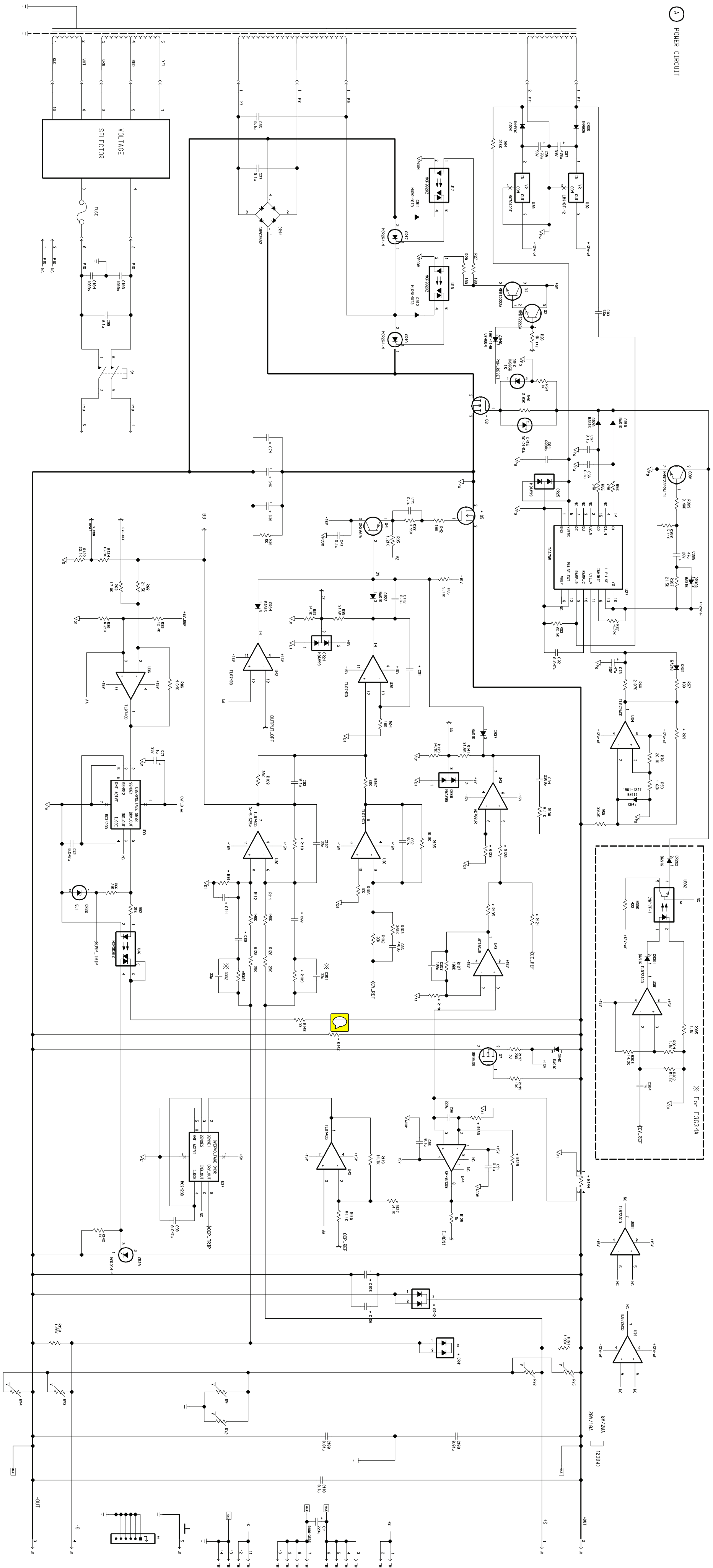
Schematics

This chapter contains disassembly drawings, component locator drawings, and schematics for the power supply. The block diagram is also shown in chapter 4. The block diagram and schematics support the theory of operation in chapter 4.

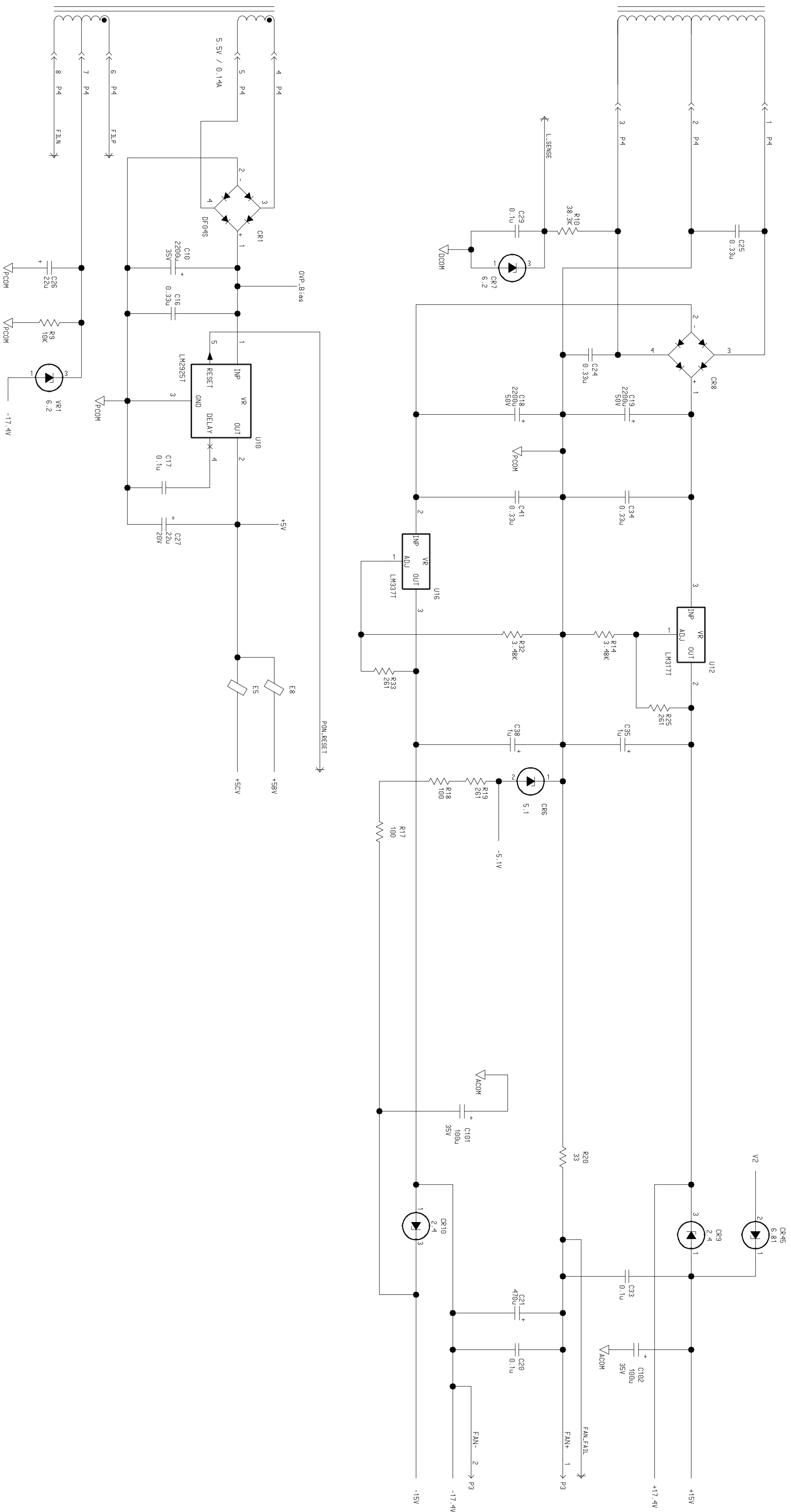
- Mechanical Disassembly, on page 127
- Component Locator (Main Board E3633/E3634-60002), on page 128
- Power Circuit and Protection Circuit Schematic, on page 129
- Bias Supply Schematic, on page 130
- ADC and DAC System Schematic, on page 131
- Floating Logic Schematic, on page 132
- Earth-Referenced Logic Schematic, on page 133
- Component Locator (Front Panel E3633-60003), on page 134
- Display and Keyboard Schematic, on page 135

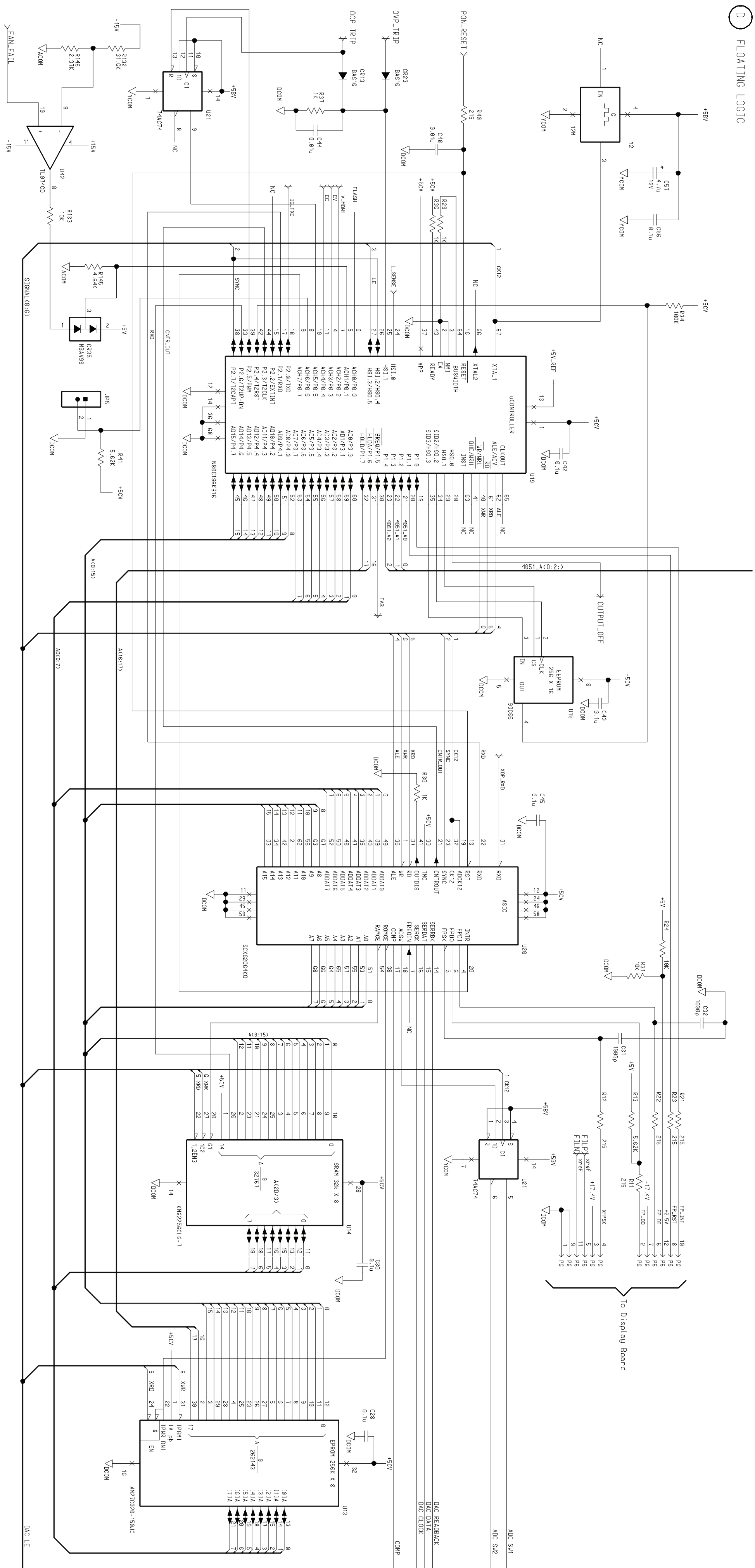


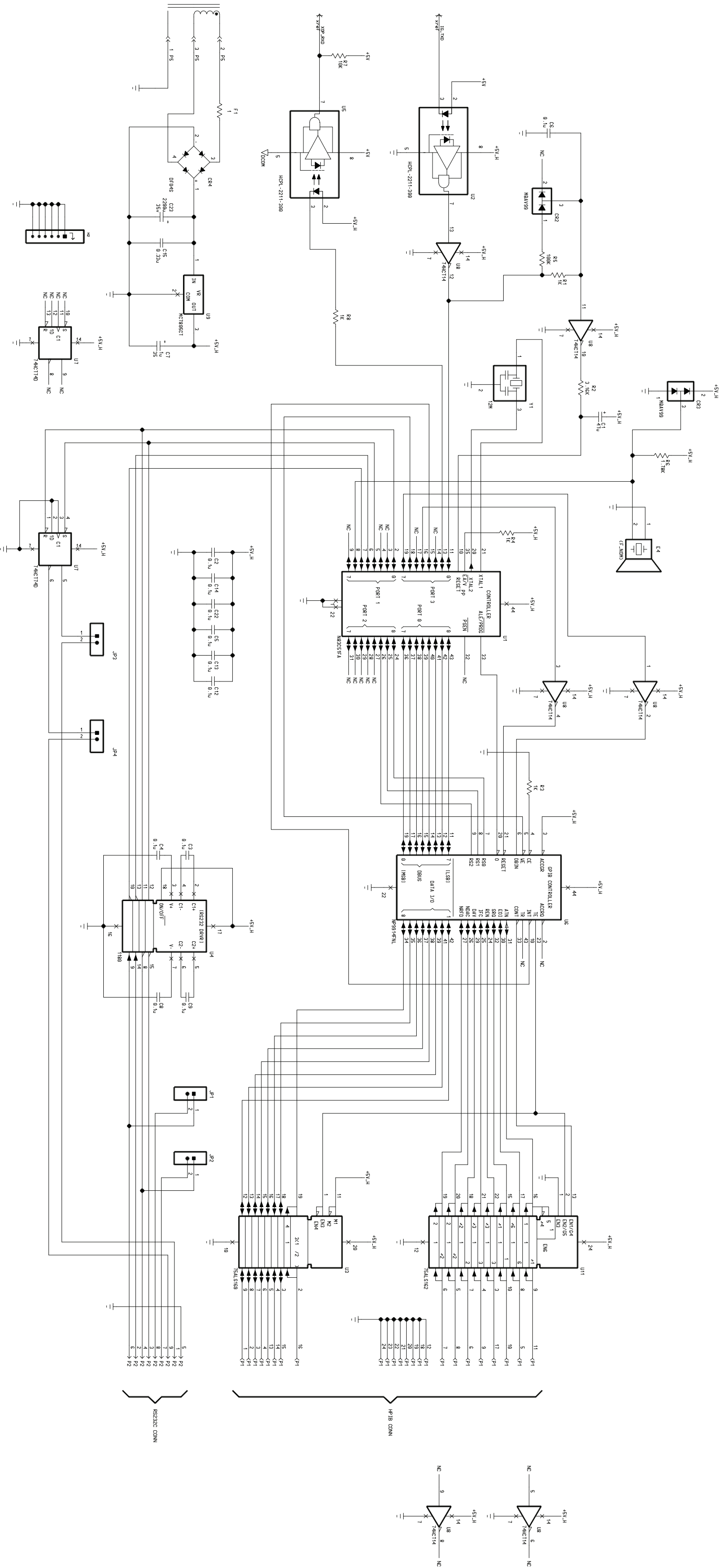
POWER CIRCUIT

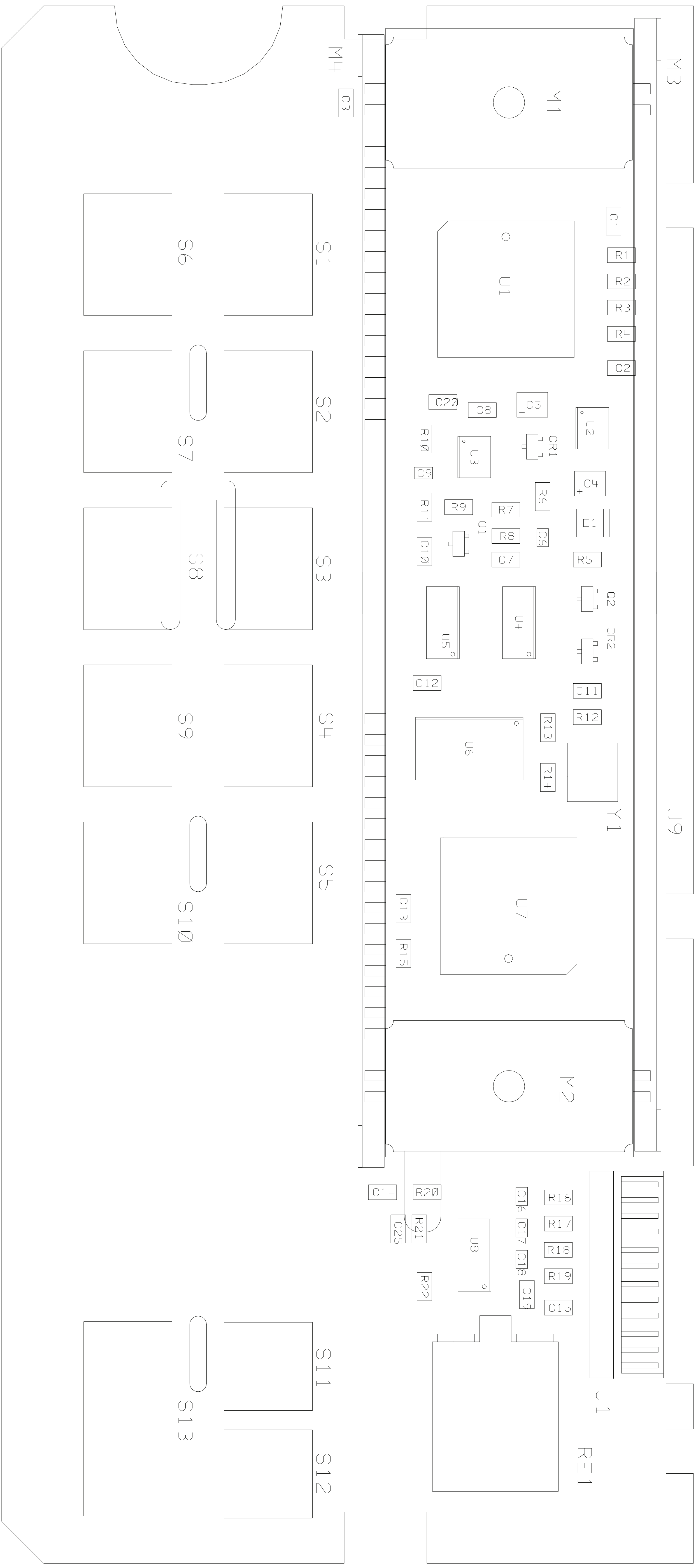


B BIAS SUPPLY









Printing History

Edition 1, November 1998
Edition 2, April 2000

New editions are complete revisions of the manual. Update packages, which are issued between editions, may contain additional information and replacement pages which you merge into the manual. The dates on this page change only when a new edition is published.

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Safety Symbols

Warning

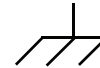
Calls attention to a procedure, practice, or condition, that could possibly cause bodily injury or death.

Caution

Calls attention to a procedure, practice, or condition that could possibly cause damage to equipment or permanent loss of data.



Earth ground symbol.



Chassis ground symbol.



Refer to the manual for specific Warning or Caution information to avoid personal injury or equipment damage. Hazardous voltages may be present.

Warning

No operator serviceable parts inside. Refer servicing to service-trained personnel.

Warning

For continued protection against fire, replace the line fuse only with a fuse of the specified type and rating.