



Component	Model		
	E3610A	E3611A	E3612A
C2	1000UF 50V +-20% AL-ELECTLT	4700UF 100V +-20% AL-ELECTLT	1000UF 250V +-20% AL-ELECTLT
C4,5			0.1UF 500V +-20% CER
C3	470UF 50V +-20% AL-ELECTLT	220UF 100V +-20% AL-ELECTLT	100UF 250V +-20% AL-ELECTLT
C6	2200PF 50V +-10% CER	2200PF 50V +-10% CER	22PF 100V +-5% CER
C12	180PF 50V +-5% CER	220PF 50V +-5% CER	120PF 50V +-5% CER
C22,23			0.1UF 50V +-20% CER
R1	2K +-5% 3W PWI	5K +-5% 3W PWI	45K +-5% 2W MO
R2	0.1 +-1% 5W PWN	0.2 +-1% 5W PWN	1.78 +-1% 5W PWN
R6	1.5M +-5% .125W TF	1.5M +-5% .125W TF	JUMPER WIRE
R8	1K +-5% .125W TF	1K +-5% .125W TF	5K +-5% .125W TF
R10	21.5 +-1% .125W TF	21.5 +-1% .125W TF	75 +-1% .125W TF
R11		10K +-1% .125W TF	10K +-1% .125W TF
R12	JUMPER WIRE	10K +-1% .125W TF	10K +-1% .125W TF
R13	1K +-5% 3W PWI	1K +-5% 3W PWI	5K +-5% 3W PWI
R15	14.3K +-1% .125W TF	6.19K +-1% .125W TF	3.65K +-1% 3W PWN
R18	100K +-1% .125W TF	9.09K +-1% .125W TF	9.09K +-1% .125W TF
R22,23	2.5K +-1% .125W TF	2.5K +-1% .125W TF	7.5K +-1% .125W TF
R27	1 +-1% .125W TF	6.8 +-1% .125W TF	JUMPER WIRE
R28	6.81K +-1% .125W TF	6.81K +-1% .125W TF	6.19K +-1% .125W TF
R33	3.4K +-1% .125W TF	5.23K +-1% .125W TF	7.15K +-1% .125W TF
R34	500K +-1% .125W TF	681K +-1% .125W TF	
R35,36	0.6 +-5% 5W PWN	1.2 +-5% 5W PWN	10 +-5% 3W PWN
R37	50K +-5% 10-TURN WW	50K +-5% 10-TURN WW	100K +-5% 10-TURN WW
R38,39			75 +-1% .125W TF
R43			100K +-1% .125W TF
R44,45			31.6K +-1% .125W TF
R46	390 +-5% 3W PWI	1K +-5% 3W PWI	
Q4,5			XSTR NPN 2N2222A SI TO-18
JP1			JUMPER WIRE
JP2	JUMPER WIRE	JUMPER WIRE	

* COMPONENT VALUE TABLE

NOTES:

- 1.The value of all component *marked are shown in the above component value table.
- 2.All resistors are .125W, +-5%, and ohms, unless otherwise specified.
- 3.All capacitors are microfarads, unless otherwise specified.
- 4.S1A CC SET switch shown is OFF position.
- 5.S2B RANGE selector switch shown is high current range.
- 6.Voltages between TP2 and TP4 in low current range are as follows.

E3610A 25V +- 10%
E3611A 47V +- 10%
E3612A 152V +- 10%

E361XA REPLACEABLE PARTS LIST

Reference Designator	Agilent Part Number	Q'ty	Description	Mfr. Code	Mfr. Part Number
E361XA STD/OE9 E361XA OE3	E361XA		E361XA POWER SUPPLY		
	0403-0424	2	BUMPER FOOT-ADH MTG	28480	
	5041-8626	1	REAR CAP	28480	
	5041-8627	1	TOP COVER	28480	
	5041-8628	1	BOTTOM COVER	28480	
	0371-3806	1	KEY CAP-WH	28480	
	0371-8624	2	KEY CAP-FLINT GRAY	28480	
	5959-5304	1	OPERATION AND SERVICE MANUAL	28480	
	8120-1378	1	POWER CORD OPT903	28480	
	8120-1689	1	POWER CORD OPT902	28480	
	9220-4867	1	PAD-PACKING,FRONT	28480	
	9220-4868	1	PAD-PACKING,REAR		
	E361X-60001	1	MAIN BOARD ASSY		
	0340-0140	2	INSULATOR-XSTR MICA	28480	
	0340-0168	8	INSULATOR BUSHING	28480	
	0515-0926	2	SCR-MACH M4X0.7	28480	
	0515-1162	2	SCR-MACH M5X0.8	28480	
	0515-1711	4	SCR-MACH M3.5X0.6	28480	
	0535-0007	4	NUT-HEX DBL-CHAM M3.5X0.6	28480	
	1400-0307	6	CABLE TIE	28480	
	1854-0611	2	XSTR NPN 2N6056 SI DARL TO-3	04713	2N6056
E3610A Q1,3	1854-0611	2	XSTR NPN 2N6056 SI DARL TO-3	04713	2N6056
E3611A Q1,3	1855-0536	2	XSTR MOSFET IRF440 N-CHAN TO-3	04713	IRF440
E3612A Q1,3	2190-0585	4	WSHR-LK M3.5 ID	28480	
	2190-0586	2	WSHR-LK M4.0 ID	28480	
	2190-0587	2	WSHR-LK M5.0 ID	28480	
	3050-0894	2	WSHR-FL MTLC 5.0	28480	
S1	3101-3115	1	SW-PB .5A 250AC	28480	
S2	3101-3231	1	SW-PB DPDT 6A 250V	28480	
S3	3101-3230	1	SW-PB DPST 6A 250V		
E3610A STD T1	9100-5249	1	TRANSFORMER, E3610A 115V	28480	
E3610A OE9 T1	9100-5250	1	TRANSFORMER, E3610A 100V	28480	
E3610A OE3 T1	9100-5252	1	TRANSFORMER, E3610A 230V	28480	
E3611A STD T1	9100-5253	1	TRANSFORMER, E3611A 115V	28480	
E3611A OE9 T1	9100-5254	1	TRANSFORMER, E3611A 100V	28480	
E3611A OE3 T1	9100-5255	1	TRANSFORMER, E3611A 230V	28480	
E3612A STD T1	9100-5256	1	TRANSFORMER, E3612A 115V	28480	
E3612A OE9 T1	9100-5246	1	TRANSFORMER, E3612A 100V	28480	
E3612A OE3 T1	9100-5247	1	TRANSFORMER, E3612A 230V	28480	
	0890-1788	.240	SLEEVING FLEXIBLE	28480	
	5062-3403	1	WIRE-HARNESS ASSY-DISPLAY	28480	
	0470-0357	3	SILICONE RUBBER-RTV	28480	
	0890-1788	1	SLEEVING FLEXIBLE	28480	
	5062-3401	1	HEAT SINK ASSY		
	0360-0268	3	TERM-SOLDER LUG	28480	
	0515-0910	3	SCR-MACH M4X0.7	28480	
	1252-4214	1	CONNECTOR-AC POWER	28480	
E361XA STD/OE9 F4	2110-0702	1	FUSE 2A 250V NTD	28480	
E361XA OE3 F4	2110-0599	1	FUSE 250V 1A	28480	
	5022-1631	1	HEAT SINK-DIECASTING	28480	
	E361X-60002	1	MAIN BOARD ASSY		
C1	0160-7077	1	CAP 0.1UF 630V 10% POLY-MET	28480	
E3610A C2	0180-4352	1	CAP 10000UF 50V 20% AL-ELEC	28480	
E3611A C2	0180-4361	1	CAP 4700UF 100V 20% AL-ELEC	28480	
E3612A C2	0180-4351	1	CAP 1000UF 250V 20% AL-ELEC	28480	
E3610A C3	0180-4355	1	CAP 470UF 50V 20% AL-ELEC	28480	
E3611A C3	0180-3595	1	CAP 220UF 100V 20% AL-ELEC	28480	
E3612A C3	0180-3937	1	CAP 100UF 250V 20% AL-ELEC	28480	
E3612 C4,5	0160-0269	2	CAP 0.1UF 500V 20% CER	28480	
E3610A,11A C6	0160-7548	1	CAP 2200PF 50V 10% CER	28480	
E3612A C6	0160-4787	1	CAP 22PF 100V 5% CER	28480	
C7	0180-4085	1	CAP 330UF 35V 20% AL-ELEC	28480	
E3610A,11A C10	0180-3769	1	CAP 6.8UF 35V 10% TA	28480	
E3612A C10	0160-3585	1	CAP 1UF 250V 20% AL-ELEC	28480	
C11,16	0160-6225	2	CAP .33UF 250V 10% POLY-MET	28480	
C8,14,18	0160-7449	3	CAP.33UF 50V 10% PE	28480	
C9,15,19	0180-3970	3	CAP 1UF 50V 20% AL-ELEC	28480	
E3610A C12	0160-7456	1	CAP 180PF 50V 5% CER	28480	
E3611A C12	0160-7080	1	CAP 220PF 50V 5% CER	28480	
E3612A C12	0160-7082	1	CAP 120PF 50V 5% CER	28480	
C13	0180-4355	1	CAP 470UF 50V 20% AL-ELEC	28480	

E361XA REPLACEABLE PARTS LIST

Reference Designator	Agilent Part Number	Q'ty	Description	Mfr. Code	Mfr. Part Number
C17	0180-3990	1	CAP 4700UF 25V 20% AL-ELEC	28480	
C20	0160-6071	1	CAP 18PF 100V 5% CER	28480	
E3612A C22,23	0160-4832	2	CAP 0.1UF 50V 20% CER	28480	
E3610A R1	0811-1806	1	RES 2K 5% 3W PWI	28480	
E3611A R1	0811-2188	1	RES 5K 5% 3W PWI	28480	
E3612A R1	0699-3105	1	RES 45K 5% 2W MO	28480	
E3610A R2	0811-3478	1	RES .1 1% 5W PWN	28480	
E3611A R2	0811-3839	1	RES .2 1% 5W PWN	28480	
E3612A R2	0811-3861	1	RES 1.78 1% 5W PWN	28480	
R3	0699-2882	1	RES 1.2K 1% .5W TF	28480	
R4,25	0698-4254	2	RES 1K 5% .125W TF	28480	
R5	0698-4002	1	RES 5K 1% .125W TF	28480	
E3610A,11A R6	0699-3266	1	RES 1.5M 5% .125W TF	28480	
E3612A R6	8150-4920	1	JUMPER WIRE 22AWG 1X2	28480	
E3610A,11A R8	0698-4254	1	RES 1K 5% .125W TF	28480	
E3612A R8	0698-4002	1	RES 5K 1% .125W TF	28480	
E3610A,11A R10	0698-3430	1	RES 21.5 1% .125W TF	28480	
E3612A R10,38,39	0757-0398	3	RES 75 1% .125W TF	28480	
E3611A,12A R11,12	0757-0442	2	RES 10K 1% .125W TF	28480	
E3610A R12	8150-4920	1	JUMPER WIRE, 22AWG 1X22	28480	
E3610,11A R13	0813-0001	1	RES 1K 5% 3W PWI	28480	
E3612A R13	0811-2188	1	RES 5K 5% 3W PWI	28480	
R14	0698-4254	1	RES 1K 5% .125W TF	28480	
E3610A R15	0698-4307	1	RES 14.3K 1% .125W TF	28480	
E3611A R15	0757-0290	1	RES 6.19K 1% .125W TF	28480	
E3612A R15	0811-3873	1	RES 3.65K 1% 3W PWN	28480	
R16,26	0698-4278	2	RES 10K 5% .125W TF	28480	
R17	0699-1063	1	RES 900K 1% .125W TF	28480	
E3610A R18	0698-8020	1	RES 100K 1% .125W TF	28480	
E3611A,12A R18	0757-0288	1	RES 9.09K 1% .125W TF	28480	
R20	2100-4306	1	RES-TMMR 50K 10% 25T	28480	
E3610A,11A R22,23	0698-6250	2	RES 2.5K 1% .125W TF	28480	
E3612A R22,23	0757-0440	2	RES 7.5K 1% .125W TF	28480	
R24	0698-4009	1	RES 50K 1% .125W TF	28480	
E3610A R27	0698-8812	1	RES 1 1% .125W TF	28480	
E3611A R27	0699-3200	1	RES 6.8 1% .125W TF	28480	
E3612A R27	8150-4920	1	JUMPER WIRE 22AWG 1X22	28480	
E3610A,11A R28	0757-0439	1	RES 6.81K 1% .125W TF	28480	
E3612A R28	0757-0290	1	RES 6.19K 1% .125W TF	28480	
R29,30	0761-0021	2	RES 1K 5% 1W MO	28480	
R31,32	2100-4305	2	RES-TMMR 10K 10% 25T	28480	
E3610A R33	0698-4440	1	RES 3.40K 1% .125W TF	28480	
E3611A R33	0698-0063	1	RES 5.23K 1% .125W TF	28480	
E3612A R33	0698-4471	1	RES 7.15K 1% .125W TF	28480	
E3610A R34	0698-8957	1	RES 500K 1% .125W TF	28480	
E3611A R34	0698-8825	1	RES 681K 1% .125W TF	28480	
E3610A R35,36	0811-3864	2	RES .6 5% 5W PWN	28480	
E3611A R35,36	0811-3874	2	RES 1.2 5% 5W PWN	28480	
E3612A R35,36	0811-3886	2	RES 10 1% 3W PWN	28480	
R40	0698-4531	1	RES 267K 1% .125W TF	28480	
R41	0698-3155	1	RES 4.64K 1% .125W TF	28480	
E3612A R43	0757-0465	1	RES 100K 1% .125W TF	28480	
E3612A R44,45	0698-3160	2	RES 31.6K 1% .125W TF	28480	
E3610A R46	0811-1799	1	RES 390 5% 3W PWI	28480	
E3611A R46	0813-0001	1	RES 1K 5% 3W PWI	28480	
F1,2	2110-0665	2	FUSE 1A 125V	28480	
F3	0699-2715	1	FUSIBLE RES 1 OHM 5% .5W	28480	
U1	1826-0961	1	IC LF411CN-OP AMP	27014	LF411CN
U2	1826-0147	1	IC V RGLTR FXD 11.5/12.5 TO-220	04713	MC7812CT
U3	1826-1297	1	IC LM336BZ5.0-V RGLTR TO-92	27014	LM336BZ
U4	1826-1075	1	IC LF442CN-OP AMP DUAL 8 DIP-P	27014	LF442CN
U5	1826-0412	1	IC 393 8-DIP-P PKG	27014	LM393CN
U6	1826-0221	1	IC MC7912CT-V RGLTR TO-220	04713	MC7912CT
U7	1826-0144	1	IC MC7805CT-V RGLTR TO-220	04713	MC7805CT
Q2	1853-0590	1	XSTR PNP SI 2N4036	04713	
E3612A Q4,5	1854-0477	2	XSTR NPN 2N2222A SI TO-18	04713	2N2222A
CR2	1906-0255	1	DIODE-FW BRDG 600V 6A	28480	KBPC606
CR3	1901-0848	1	DIODE-PWR RECT 400V 3A	04713	MR854
CR4,5	1901-0461	2	DIODE-GEN PRP 10V .2A	27014	1N4148
CR6,7,10,11	1901-0033	4	DIODE-GEN PRP 180V .2A	27014	1N645
CR8	1901-0327	1	DIODE-PWR RECT 200V 1A	28480	
CR9,13	1906-0284	2	DIODE-FW BRDG 100V 1A	28480	
	0360-2359	10	TERMINAL-TEST POINT	28480	