SAGE ENDEC 1822 Bill of Material

SAGE ENDEC PARTS

Ref Designator	Part number	Description
BT1	SAGBATTERY	BATTERY LITHIUM 3V CR2330
BT1		BATTERY HOLDER BH906
C1,C2,C4,C7,C8,C10,C11,C12,C13,C14,C15,C18,C19,C20,C25,C26,C28,C29,C33,C34,C36,C39,C40,C44,C45,C49,C51,C52,C58,C62,C67,C68,C69,C70,C71,C72,C73,C74,C75,C76,C79,C81,C82,C83,C86,C93,C94,C95,C96,C97,C98,C100,C101,C102,C103,C104,C107,C108,C109,C110,C111,C114,C116,C117,C122,C123,C127,C128,C134,C137,C140,C141,C148,C149,C305,C306,C308,C309,C310,C311		CAP .1UF
C105,C119		CAP 10UF 25V
C106,C112,C113,C118,C120,C125,C126,C130,C132,C133,C135,C138,C139,C142,C143,C144,C145		CAP 220UF 50V
C16,C17,C21,C22,C23,C24,C27,C30,C37,C41,C42,C43,C46,C47,C48,C50,C53,C54,C55,C56,C57,C59,C60,C61,C63,C64,C65,C66,C77,C78, C84,C85	522-0538-000	CAP 220PF
C3,C6,C92,C99,C307		CAP 100UF 25V
C300,C301		CAP 4700PF
C302		CAP .33UF
C303,C304		CAP 470PF
C35,C38,C115,C124,C129		CAP 22PF
C5	522-0417-000	CAP 1000UF 25V
D1		DIODE 3A 50V
D6,D7,D8,D9	384-0205-000	DIODE 1N4148
J1		HEADER 4 PIN
J2		1.22MM COAXIAL
J5,J6,J7,J8,JP15		HEADER 3 PIN
J9		CONN 20 PIN
JP14,JP16		HEADER 2 PIN
K1,K2	783-0045-030	RELAY DPDTT5V G5A-237P-DC5
K3,K4,K5		RELAY SPDT 5V G5V-1-DC5
L1		INDUCTOR 470UH
LCD	783-0045-023	LCD4X20
MADE UP OF D2,D3,D4,D5, AND LS1		HEADER 10 PIN .1"
P1,P3,P4,P5,P6,P7		CONN DE9P RT ANGLE .318"
P2		CONN 16 PIN DUAL ROW .1"
P8		HEADER 14 PIN DUAL ROW.1"

PD2,PD3,PD4,PD5,PLS1		LED RED
PJ5,PJ6		CONN XLR FEMALE
PJ7,PJ8		CONN XLR MALE
PJ9		CONN 20 PIN PLUG T STRIP
PLS1	783-0045-024	2" ROUND SPEAKER
PLS1		GRILL CLOTH
PS1		CAP
PS2,PS3,PS4,PS5		CAP
PWRC	SAGPOWER	POWER CUBE (Original)
Heavy Duty Supply	SAGHDPWRSUPLY	HEAVY DUTY POWER SUPPLY
R1,R23,R306,R308	548-2400-301	RES 1K 1/4W 5%
R2	548-2400-305	RES 1.1K 1/4W 1%
R24	548-2400-334	RES 2.2K 1/4W 5%
R25,R26,R27,R28,R29,R300,R303,R305,R307	548-2400-401	RES 10K 1/4W 5%
R3	548-2400-405	RES 11K 1/4W 1%
R304	548-2400-534	RES 220K 1/4W 5%
R38	548-2400-501	RES 100K 1/4W 5%
R39,R40,R41,R42,R47,R48,R49,R53,R54,R55,R56	548-2400-276	RES 604 1/4W 1%
R50	248-2400-081	RES 6.8 1/2W 5%
R51,R52	548-2400-101	RES 10 1/4 5%
R6,R302	548-2400-366	RES 4.7K 1/4W 5%
R7,R8,R9,R10	548-2400-166	RES 470 1/4W 5%
RP1,PR7,RP8	540-1386-000	RES NET 10K 10 PIN SIP
RP2	540-1416-000	RES NET 10K 6 PIN SIP
RP3,RP6,RP9		RES NET 470 8 PIN SIP
RP4	540-1427-000	RES NET 470 6 PIN SIP
RP5,RP10,RP11	540-1430-000	RES NET 10K 8 PIN SIP
S1	783-0045-125	SWITCH WITH CAP (POWER)
S2,S3,S4,S5	783-0045-124	SWITCH MOM S2, S3, S4, S5
switch cap for S2,S3,S4,S5	783-0045-028	CAP FOR S2, S3, S4, S5
U1	783-0045-026	VOLT REG LM2575T-12
U2	382-0406-000	VOLT REG LM7812T
U3	382-0897-000	DRIVER ULN2803A
U4,U9,U11,U19,U22,U39,U42,U51	382-1250-000	IC 74AC574
U5	783-0045-035	PROGRAMMABLE LOGIC 17222
U6	783-0045-038	PROGRAMMABLE LOGIC 17223
U18	783-0045-036	PROGRAMMABLE LOGIC 17233

U7	783-0045-010	IC 74AC541
U13,U15,U29	783-0045-012	SIO 40 PIN DIP Z84C4206
U16	783-0045-040	32 MACROCELL
U17	383-0138-000	IC 74AC74
U20	783-0045-041	IC ADSP-2115
U21,U23	382-0291-000	IC DRIVER RS232 1488
U24	783-0045-008	EEPROM 8K X 8
U25	382-0774-000	IC 74NC14
U26,U27	382-0292-000	IC DRIVER RS232 1489A
U28	382-0851-000	IC 74HC4040
U30,U31	783-0045-011	IC CODEC TCM29C23N
U32		SRAM 128K X 8 HM628128LP-10
U33,U34,U52,U53	382-0463-000	IC 8 POS MUX 4051
U36	SAGENDECROM6-0	PROGRAMMED ROM 6.1
U36	SAG5-XTO6-2PROM	PROGRAMMED ROM
U36	SAG6-1TO6-2PROM	PROGRAMMED ROM
U37	783-0045-027	IC EEPOT 10K X9241
U38,U56	382-0184-000	VOLT REG LM7805T
U40	382-0605-000	VOLT REG LM7905T
U41	783-0045-034	IC MAX691 ADM691AN
U43	9334-768-70752	IC TLO84ACN
U45,U46	3913-935-12076	IC 74AC573
U47,U48	783-0045-039	IC LM386-N1
U49	783-0045-016	PROCESSOR TN80C188EB-13 PLCC
U50	783-0045-044	IC PCF8583PN
U54		DRAM 128K X 8 HM628128LP-10
U54		KGT4008CIC-0855
U55		IC DS1210N
U56	382-0273-000	VOLT REG 7808
U8,U10,U12		DRAM 512 X 8 UPD424900ALE-80
XU16	404-0830-000	SOCKET 44 PIN PLC 821575-1
XU20	404-0823-000	SOCKET 68 PIN PLC 821574-1
XU36,XU54		SOCKET 32 PIN 332-AG19DC
XU49	404-0836-000	SOCKET 84 PIN PLCC 821573-1
XU55		SOCKET 8 PIN 308AG-19DC
Y1		XTAL 1 MHZ ECS-160-20-1
Y2		XTAL 16 MHZ HC-49 ECS-196.6-20-1
Y3		XTAL 32.758 KHZ ECS3X8-32-768KHZ
	SAGENDECMBOARD	SAE MOTHER BOARD

	SAGTHUMBSCREW	PRINTER DOOR THUMB SCREW
	783-0045-021	PRINTER SLIDE TRAY
	783-0045-022	PRINTER DOOR
	783-0046-061	GREEN CONNECTOR
	SAGNV10KIT	10 SECOND NV AUDIO KIT
	SAGNV40KIT	40 SECOND NV AUDIO KIT
	404-0673-000	8 PIN IC SOCKET
	404-0674-000	14PIN IC SOCKET
	404-0675-000	16 PIN IC SOCKET
	404-0766-000	18 PIN IC SOCKET
	404-0767-000	20 PIN IC SOCKET
	404-0509-000	28 PIN IC SOCKET (U24)
	404-0779-000	40 PIN IC SOCKET
	783-0045-023	LCD DISPLAY
	SAGENDECTECHMAN	MANUAL WITH SCHEMATICS
	612-1184-000	JUMPER PC BOARD
LS1	783-0045-024	SPEAKER

SAGE PRINTER PARTS

C1,C2,C3,C4,C10		CAP .1uf
C11		CAP 1uf 50V
C5		CAP 560PF
C6		CAP 820PF
C7		CAP 100UF 25V
C8,C9		CAP 22PF
D1,D3	384-0205-000	DIODE 1N4148
D2	384-0597-000	DIODE 1N2002
F1	783-0045-009	FUSE PICO .75A SLOWBLO
J1		8 PIN SOCKET
J2		6 PIN SOCKET
P1		14 PIN HEADER DUAL ROW
Q1	380-0190-000	2N3906
Q2,Q3,Q6,Q7	380-0189-000	2N3904
Q4,Q5	380-0327-000	2N2222
R1,R2	548-2400-526	180K 1/4W 5%
R3,R18,R19,R20	548-2400-301	1K 1/4W 5%
R4,R8	548-2400-401	10K 1/4W 5%
R5,R6	548-2400-442	27K 1/4W 5%
R7	548-2400-347	3K 1/4W 5%

R9,R12	548-2400-330	2K 1/4W 5%
R10	548-2400-242	270 1/4 5%
R11	548-2400-247	300 1/4W 5%
R13	548-2400-518	150K 1/4 5%
R14		50K TRIMPOT SINGLE TURN
R15	548-2400-434	22K 1/4W 5%
R16	548-2400-430	20K 1/4W 5%
R17	548-2400-501	100K 1/4W 5%
R21		RES NET 4.7K SIP
RP1,RP2	540-1386-000	RES NET 10K 10P SIP
U1	382-0971-000	IC 4069
U2	783-0045-037	IC MICRO PROC AT89C51-12PC
U3	382-0897-000	IC ULN2803A
U4	382-0184-000	REG LM7805CT
Y1		9.8304MHZ CRYSTAL ECS-98.3-S-1
	SAGENDECPRINTER	PRINTER BOARD ASSY
	SAGPRINTHEAD	PRINTER HEAD
	783-0045-013	PRINTER CABLE