

BOM Eminent E310 Upgrade

Extension part

RESISTORS	POSITION	VALUE	POSITION	VALUE
	R1	15k	R21	2k2
	R2	15k	R22	220R
	R3	15k	R23	2k2
	R4	15k	R24	4k7
	R5	15k	R25	680R
	R6	15k	R26	10k
	R7	15k	R27	10k
	R8	47k	R28	1k5
	R9	47k	R29	330k
	R10	1k	R30	22k
	R11	1k	R31	15k
	R12	1k	R32	270k
	R13	1k	R33	10k
	R14	100k	R34	10k
	R15	100k	R35	27k
	R16	180 Ohm	R36	22k
	R17	RES	R37	10k
	R18	RES	R38	10k
	R19	10k	R39	10k
	R20	10k	R40	10R

CAPACITORS	POSITION	VALUE	POSITION	VALUE
	C1	33p	C13	100p
	C2	33p	C14	4,7p
	C3	10u - 50V	C15	10u - 50V
	C4	10u - 50V	C16	RES
	C5	10u - 50V	C17	RES
	C6	10u - 50V	C18	220n
	C7	10u - 50V	C19	1u - 50V
	C8	10u - 50V	C20	RES
	C9	100n	C21	100n
	C10	33u - 63V	C22	100n
	C11	100n	C23	RES
	C12	47u - 50V	C24	RES
			C25	100n

SEMICONDUCTOR

POSITION	VALUE
IC1	LM709
IC2	LM4558
T1	BC547C
T2	BC557C
T3	BC546

SWITCHES

Re1	5V	All relays are DIL socket non latching
Re2	5V	
Re3	5V	
Re4	5V	
Re5	RES	
Re6	RES	
Re8	12V	
Re9	12V	

SPST switch

VAR. RESISTOR ATTACK 2x 22k lin

VARIOUS	NUMBER
SOLDER LUGS	50
IC socket 8p	1
IC socket 14p	1
PLASTIC BUS 10mm	4
PLASTIC BUS 5mm	2
SCREW 20x3,5 mm	6
CABLE TIE	10
SHIELDED DOUBLE WIRE	5m
SHIELDED SINGLE WIRE VARIOUS COLO	SEE MANUAL
WOODEN HOLDER FOR CONTROLS	1
SHRINKING TUBE VARIOUS COLORS	
CIRCUIT BOARD	1
RELAY BOARD	1
KNOBS FOR VAR. RESISTOR	2

Small stone part

RESISTORS	POSITION	VALUE	POSITION	VALUE
	R50	1k5	R71	30k
	R51	RES	R72	10k
	R52	15k	R73	30k
	R53	10k	R74	27k
	R54	1M	R75	510k
	R55	2k2	R76	68k
	R56	5k6	R77	2k2
	R57	4k7	R78	4k7
	R58	1k	R79	100k
	R59	30k	R80	4k7
	R60	30k	R81	100R
	R61	1k	R82	22k
	R62	30k	R83	15k
	R63	30k	R84	1k
	R64	10k	R85	30k
	R65	1k	R86	8k2
	R66	30k	R87	1k5
	R67	30k	R88	270k
	R68	10k	R89	1k8
	R69	1k	R90	30k
	R70	30k	R91	100k
			R92	1M

CAPACITORS	POSITION	VALUE	POSITION	VALUE
	C51	33u – 63V	C58	6n8
	C52	10u – 50V	C59	3n3
	C53	6n8	C60	33u – 63V
	C54	6n8	C61	100n
	C55	6n8	C62	100n
	C56	6n8	C63	470u – 25V
	C57	100n	C64	10u – 50V
	Cres	1u - 50V	C65	1u – 50V

SEMICONDUCTOR

POSITION	VALUE
IC5	CA3094E
IC6	CA3094E
IC7	CA3094E
IC8	CA3094E
IC9	CA3094E
T1	2N5088
T2	BC557B
T3	BC557B
T4	BC557B
T5	BC557B

SWITCHES RE7 24V relais DIL non latching
SPST switch

POTMETER 1M

REMARK : When a RES is given as value, the part must **not** be mounted (except for Cres in the small stone circuit)