

clee EURO Looping Gain Sequencer – BOM

Resistors					
	Designator	Quantity	Value	Package	Notes
1	R118	1	100R	SMD:R_0805	Tayda 1% 805 resistors
2	R138, R312	2	300R	SMD:R_0805	
3	R313, R314, R315, R316, R321, R322, R323, R324, R325, R326, R327, R328, R333, R334, R335, R336, R341, R342, R343, R344, R345, R346, R347, R348, R356, R357	26	1K	SMD:R_0805	
4	R353	1	2.2K	SMD:R_0805	
5	R273	1	3.3K	SMD:R_0805	
6	R101, R102, R108, R109, R119, R134, R137, R223, R224, R225, R226, R227, R228, R229, R241, R242, R243, R244, R245, R246, R247, R288, R289, R291, R293, R311, R355	27	10K	SMD:R_0805	
7	R114, R115, R231, R232, R233, R234, R235, R236, R237, R317, R318, R319, R320, R337, R338, R339, R340	17	RLED (22K)	SMD:R_0805	RLED – select for desired brightness
8	R117, R133, R135	3	15K	SMD:R_0805	
9	R309	1	20K	SMD:R_0805	
10	R127, R130	2	39K	SMD:R_0805	
11	R113, R120, R122, R126	4	47K	SMD:R_0805	
12	R209, R210, R211, R212, R213, R214, R215, R354	8	51K	SMD:R_0805	
13	R107	1	68K	SMD:R_0805	

14	R103, R104, R105, R106, R116, R121, R123, R124, R125, R129, R132, R136, R265, R266, R267, R268, R269, R270, R271, R272, R301, R302, R303, R304, R305, R306, R307, R308, R310, R329, R330, R331, R332, R349, R350, R351, R352	37	100K	SMD:R_0805	
15	R111	1	160K	SMD:R_0805	
16	R110, R112, R128, R131	4	200K	SMD:R_0805	
17	R290, R292, R294	3	10M	SMD:R_0805	
18	R216, R217, R218, R219, R220, R221, R222, R249, R250, R251, R252, R253, R254, R255	14	20M	SMD:R_0805	Tayda or Digikey 1% https://www.digikey.com/en/products/detail/yageo/RC0805JR-0720ML/5919059

Resistors 0.1%					
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19	R201, R202, R203, R204, R205, R206, R207, R208, R257, R258, R259, R260, R261, R262, R263, R264	16	1K 0.1%	SMD:R_0805	https://www.digikey.com/en/products/detail/panasonic-electronic-components/ERA-6AEB102V/1465748
20	R230, R238, R239, R240, R248, R256, R274, R275, R276, R277, R278, R279, R280, R281, R282, R283, R284, R285, R286, R287	20	100K 0.1%	SMD:R_0805	https://www.digikey.com/en/products/detail/panasonic-electronic-components/ERA-6AEB104V/1465797

Capacitors					
	Designator	Quantity	Value	Package	Notes
21	C105, C106, C110, C111, C301	5	22p	SMD_C_0805	Tayda 805 capacitors
22	C107	1	5n	SMD_C_0805	
23	C307, C308, C309, C310, C311, C312, C313, C314	8	10n	SMD_C_0805	

24	C103, C104, C109, C303, C304, C305, C306, C315, C316, C317, C318, C319, C320, C321, C322, C323, C324, C325, C326, C327, C328, C329, C330, C331, C332, C333, C334, C335, C336	29	BP (100n)	SMD_C_0805	
25	C108	1	330n	SMD_C_0805	
26	C101, C102	2	10ufd	Electrolytic THT	
27	C201, C302	2	NF (not fitted)	SMD_C_0805	

Diodes					
	Designator	Quantity	Value	Package	Notes
28	D101, D102, D305, D306, D307, D308, D313, D314, D315, D316, D317, D318	12	4148	SOD-80	https://www.taydaelectronics.com/diodes/standard/fdll4148-small-signal-diode-200ma-100v.html
29	D1, D2, D103, D106	4	LS103A	SOD-80_Schottkey	https://www.digikey.com/en/products/detail/vishay-general-semiconductor-diodes-division/LS103A-GS08/4831810
30	D104, D105, D201, D202, D203, D204, D205, D206, D207	9	LED	LED_D3.0mm_Red	https://www.taydaelectronics.com/leds/round-leds/3mm-leds/led-3mm-red.html

Silicon					
	Designator	Quantity	Value	Package	Notes
31	Q301, Q302, Q303, Q304, Q305, Q306, Q307, Q308, Q309	9	BC847	SOT-23	https://www.taydaelectronics.com/bc847-transistor-npn-45v-0-1a-sot-23-3-bc847c-215.html
32	U210	1	LM4040 8.2	SOT-23	https://www.digikey.com/en/products/detail/texas-instruments/LM4040CIM3-8-2-NOPB/305137
33	U302	1	TL071	SOIC-8	
34	U102, U103, U104, U105, U301	5	TL072	SOIC-8	
35	U101, U209	2	TL074	SOIC-14	
36	U201, U202, U203, U204, U205, U206	6	LM339	SOIC-14	

37	U207, U208	2	CD4070	SOIC-14	https://www.digikey.com/en/products/detail/texas-instruments/CD4070BM96/1691299
38	U106	1	AS3364	SOIC-16	synthCube
39	U107	1	L7805	TO-92_Inline	

Other					
	Designator	Quantity	Value	Package	Notes
40	FB101, FB102	2	Ferrite_Bead_Small	THT	https://www.taydaelectronics.com/axial-ferrite-bead-76-ohm.html
41	SW101	1	SW_SPDT	SubMini toggle	
42	RV105, RV108, RV109	3	20K	20K Trim pot	https://www.taydaelectronics.com/potentiometer-variable-resistors/cermet-potentiometers/3296w/50k-ohm-trimmer-potentiometer-cermet-25-turns-3296w-jbr.html
42	RV1, RV301, RV302, RV303, RV304, RV305, RV306, RV307	8	50K	Slider pot	https://www.digikey.com/en/products/detail/bourns-inc/PTL20-15R1-503B2/7314939
43	RV101, RV102, RV103, RV104, RV106, RV107	6	50K	Potentiometer	https://www.taydaelectronics.com/50k-ohm-linear-taper-potentiometer-round-shaft-pcb-9mm.html
44	J112	1	Test Point 01	Test Point 01	PinHeader_2.54mm
45	Stackable Header Female		38 positions	2.54mm:PinHeader_Vertical	https://www.taydaelectronics.com/connectors-sockets/pin-headers/40-pin-male-2-54-mm-single-row-pin-header-break-away-round-pin-gold-plated.html
46	Stackable Header Male		38 positions	2.54mm:PinHeader_Vertical	https://www.taydaelectronics.com/connectors-sockets/pin-headers/40-pin-2-54-mm-single-row-female-pin-header.html
47	J1	1	Euro Power	Connector_IDC:IDC - Header_2x05_P2.54mm_Vertical	
48	B101, B102, B103, B104, B105, B301, B302, B303, B304, B305, B306, B307, B308, B309, B310	15	1/8" Jack	thonkiconn_alpha	thonkiconn PJ301 jack
49	J101	1	Conn_01x04	Molex .156 4 PIN	