

EQUALISER TWO 14 OCTOBER 2021

Count	Description	RefDes	NOTES/OPTIONS
1	LD100 PCB		
6	1N4003	CR2 CR3 CR4 CR5 CR10 CR12	
4	1N4148	CR6 CR7 CR8 CR9	
1	BZX85C 12V 1.3W Zener	CR11	
2	2R2	R19	
	2R2	R20	
2	5R6	R34	
	5R6	R49	
2	10R	R17	
	10R	R18	
1	10R/1W	R5	
1	18R	R74	
1	100R	R77	
1	160R	R48	
1	226R	R73	
1	330R	R70	
	430R	R4	
	430R	R56	
5	1k	R14	
	1k	R29	
	1k	R43	
	1k	R65	
	1k	R72	
8	1.5k	R11	
	1.5k	R15	
	1.5k	R26	
	1.5k	R30	
	1.5k	R40	
	1.5k	R44	
	1.5k	R61	
	1.5k	R67	
2	2.2k	R50	
	2.2k	R71	
16	3.3k	R7	
	3.3k	R8	
	3.3k	R12	
	3.3k	R13	
	3.3k	R22	
	3.3k	R23	
	3.3k	R27	
	3.3k	R28	
	3.3k	R36	
	3.3k	R37	
	3.3k	R41	
	3.3k	R42	
	3.3k	R57	
	3.3k	R58	
	3.3k	R62	
	3.3k	R64	
6	4k7	R9	

4k7	R24	
4k7	R38	
4k7	R59	
4k7	R68	
4k7	R69	
1 6k8	R76	
2 10k	R32	
10k	R33	
4 12k	R10	
12k	R25	
12k	R39	
12k	R60	
4 68k	R31	
68k	R45	
68k	R46	
68k	R47	
5 100k	R35	
100k	R51	
100k	R52	
100k	R53	
100k	R63	
1 120k	R75	
2 220k	R3	
220k	R55	
3 1Meg	R6	
1Meg	R16	
1Meg	R21	
1 10Meg	R66	
2 IND_BEAD	L1	
IND_BEAD	L2	
2 PTC 200mA	PTC1	
	PTC2	
16 TESTPOINT	TP1	HF_OUT
TESTPOINT	TP2	OUT_LO
TESTPOINT	TP3	OUT_HI
TESTPOINT	TP4	HMF_OUT
TESTPOINT	TP5	SIG
TESTPOINT	TP6	INPUT
TESTPOINT	TP7	LMF_OUT
TESTPOINT	TP8	LF_OUT
TESTPOINT	TP9	+V
TESTPOINT	TP10	-V
TESTPOINT	TP11	GND
TESTPOINT	TP12	+4dBu
TESTPOINT	TP13	+18dBu
TESTPOINT	TP14	SP
TESTPOINT	TP15	DC
TESTPOINT	TP16	+12V
9 22pF 50V COG	C5	
	C7	
	C25	
	C28	
	C33	
	C42	
	C47	
	C49	
	C52	
17 100nF/50V 2.5mm CERAMIC X7R	C3	
	C4	
	C12	
	C13	
	C16	

	C20
	C24
	C31
	C32
	C40
	C41
	C45
	C46
	C60
	C61
	C63
	C64
3 470pF 5mm 5% COG/NPO	C6
	C34
	C35
1 1uF/63V EPCOS 5%	C57
2 2.2n 5mm 5% FILM	C19
	C26
1 6.8n 5mm 5% FILM	C48
2 10n 5mm 5% FILM	C50
10n	C51
1 22n 5mm 5% FILM	C8
4 47n 5mm 5% FILM	C9
	C18
	C27
	C53
1 100n 5mm 5% FILM	C54
2 CAPT_FILTER 100pF	CL1
	CL2
1 10uF/50V 10%	C69
6 47uF/25V	C14
	C15
	C29
	C58
	C59
	C70
2 10uF/35VNP	C10
	C11
2 47uF/63V	C37
	C62
11 220uF/25V	C1
	C2
	C17
	C21
	C22
	C30
	C36
	C38
	C43
	C44
	C56
3 470uF/25V	C23
	C39
	C55
1 2N3906	Q1
11 8PIN DIL SKTS	
1 14PIN DIL SKTS	
1 LM339N	U12
8 NE5532P/NJM5532	U1
	U2
	U4
	U5

		U7	
		U8	
		U10	
		U11	
1 THAT 1246		U6	
1 THAT 1646		U3	
1 TL072		U9	
1 16 pin male box header		J7	
1 20 pin male box header		J3	
2 PIN3	J2B	LD100 TO LD101 JOIN	
PIN3	J6B	LD100 TO LD101 JOIN	
2 PIN6	J4B	LD100 TO LD101 JOIN	
PIN6	J5B	LD100 TO LD101 JOIN	
1 SCREEN PLATE			
4 SCREW_M3 x 6mm PAN/POZI	FIX6	LHS SCREENPLATE-TO-LD100	FIXING
	FIX7		
	FIX9		
	FIX10		
1 LD101 PCB			
4 430R	R1		
430R	R2		
4 5KLN_CI	VR1	ON LD097 or 046	
5KLN_CI	VR2	ON LD097 or 046	
5KLN_CI	VR4	ON LD097 or 046	
5KLN_CI	VR6	ON LD097 or 046	
2 10kLG	VR3	ON LD097 or 046	
10kLG	VR5	ON LD097 or 046	
6 LD097 + 3 PIN RIGHT ANGLE HEADER + POT	A1	See LD097 to LD101 drawing below for type	
	A2	See LD097 to LD101 drawing below for type	
	A3	See LD097 to LD101 drawing below for type	
	A4	See LD097 to LD101 drawing below for type	
	A5	See LD097 to LD101 drawing below for type	
	A6	See LD097 to LD101 drawing below for type	
1 LED 3MM RED/GREEN + SPACER	CR1	LD101	
2 PIN3	J2	LD101 TO LD100 JOIN	
PIN3	J6	LD101 TO LD100 JOIN	
2 PIN6	J4	LD101 TO LD10 JOIN	
PIN6	J5	LD101 TO LD100 JOIN	
2 M3 x 5mm FF HEX PILLAR L=14mm	FIX5		
	FIX8		
2 SCREW M3 x 8mm PAN/POZI	FIX2	FROM SOLDER SIDE OF LD100	
	FIX3	FROM SOLDER SIDE OF LD100	
1 BACKPLATE			
2 SCREW_M2 x 6mm PAN/POZI +NUT+WASHER	FIX1	BACKPLATE-TO-LD101 PCB	FIXING
1 FACEPLATE			
5 M2 SCREWS & WASHERS		BACKPLATEto FACEPLATE	FIXINGS
2 UNC 4-40 + PLASTIC WASHER		MODUE	FIXING
4 KNOB GREEN		FREQUENCY	
4 KNOB RED		CUT/BOOST	
2 KNOB BLUE		Q	
1 LD102 PCB			
4 LD040 + 6 PIN RIGHT ANGLE HEADER + POT	A7	See LD040 to LD102 drawing below for type	
LD040 + 6 PIN RIGHT ANGLE HEADER + POT	A8	See LD040 to LD102 drawing below for type	
LD040 + 6 PIN RIGHT ANGLE HEADER + POT	A9	See LD040 to LD102 drawing below for type	
LD040 + 6 PIN RIGHT ANGLE HEADER + POT	A10	See LD040 to LD102 drawing below for type	
4 50kC DUAL	VR7	ON LD040 / Fitted to LD102	
50kC DUAL	VR8	ON LD040 / Fitted to LD102	
50kC DUAL	VR9	ON LD040 / Fitted to LD102	
50kC DUAL	VR10	ON LD040 / Fitted to LD102	
L 1.8k	R78	LD102	

1.8k	R80	LD102
2 10kSOT	R79	LD102
10kSOT	R81	LD102
1 ML SWITCH BLUE	SW3	Fitted to LD102
1 SWITCH CAP 8.5mm		
2 ML SWITCH GREEN	SW1	Fitted to LD102
ML SWITCH GREEN	SW4	Fitted to LD102
1 ML SWITCH RED	SW2	Fitted to LD102
3 SWITCH CAP 6mm		
1 16 pin transition header	J9	Fitted on LD102
1 16 pin female cable connector	J9	16 WAY TRANSITION+RIBBON+FEMALE HEADER
1 Ribbon cable 16 way		Approx 40mm
1 20 pin transition header	J8	Fitted on LD102
1 20 pin female cable connector	J8	20 WAY TRANSITION+RIBBON+FEMALE HEADER
1 Ribbon cable 26 way		Approx 40mm
2	FIX11	
	FIX12	