

EQ250 Parts list (1)

All the components in this list are included in the kit

Reference	Value	Qty	Description	Marking
R58, R59, R116 , R117	5R6	4	Resistor 1%, 1/4W	GRN-BLU-BLK-SLV-BRN
R53, R111	470R	2	Resistor 1%, 1/4W	YEL-VIO-BLK-BLK-BRN
R16, R26, R34, R42, R50, R74 , R84 , R92 , R100 , R108	620R	10	Resistor 1%, 1/4W	BLU-RED-BLK-BLK-BRN
R13	1k2	1	Resistor 1%, 1/4W	BRN-RED-BLK-BRN-BRN
R18, R23, R28, R31, R36, R39, R44, R47, R54, R57, R77 , R80 , R86 , R89 , R94 , R97 , R102 , R105 , R112 , R115	1k8	20	Resistor 1%, 1/4W	BRN-GRY-BLK-BRN-BRN
R12, R71	4k7	2	Resistor 1%, 1/4W	YEL-VIO-BLK-BRN-BRN
R3, R4, R62 , R63	10k	4	Resistor 1%, 1/4W	BRN-BLK-BLK-RED-BRN
R7, R8, R9, R10, R11, R66 , R67 , R68 , R69 , R70	15k	10	Resistor 1%, 1/4W	BRN-GRN-BLK-RED-BRN
R1, R2, R5, R6, R15, R20, R22, R25, R29, R30, R33, R37, R38, R41, R45, R46, R49, R55, R56, R60 , R61 , R64 , R65 , R73 , R78 , R79 , R83 , R87 , R88 , R91 , R95 , R96 , R99 , R103 , R104 , R107 , R113 , R114	20k	38	Resistor 1%, 1/4W	RED-BLK-BLK-RED-BRN
R14, R24, R32, R40, R48, R72, R82, R90, R98, R106	27k	10	Resistor 1%, 1/4W	RED-VIO-BLK-RED-BRN
R17, R27, R35, R43, R51, R75 , R85 , R93 , R101 , R109	56k	10	Resistor 1%, 1/4W	GRN-BLU-BLK-RED-BRN
R19, R21, R52, R76 , R81 , R110	1M	6	Resistor 1%, 1/4W	BRN-BLK-BLK-YEL-BRN
C6, C7, C48 , C49	22p	4	Capacitor Ceramic	220
C1, C43	47p	2	Capacitor Ceramic	470
C24, C64	150p	2	Capacitor Ceramic	151
C22, C62	330p	2	Capacitor Ceramic	331
C2, C3, C44 , C45	470p	4	Capacitor Ceramic	471
C12, C13 , C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C67 , C68 , C69 , C70 , C71 , C72 , C81 , C82 , C83 , C84 , C85 , C86 , C87 , C88 , C89 , C90	100n	34	Capacitor Ceramic	104
C20, C60	1n	2	Capacitor polypropylene	1000
C18, C58	3n3	2	Capacitor polypropylene	3300

C16, C56	6n8	2	Capacitor polypropylene	6800
C23, C63	47n	2	Capacitor polypropylene	0.047
C21, C61	100n	2	Capacitor polypropylene	0.1
C19, C59	330n	2	Capacitor polypropylene	0.33
C14, C15, C54, C55, C17, C57	1u	6	Capacitor polypropylene	1u
C15*, C16*, C17*, C18*, C19*, C20*, C21*, C22*, C23*, C24*, C55*, C56*, C57*, C58*, C59*, C60*, C61*, C62*, C63*, C64*	NC	20	Capacitor (not connected)	
C9, C10, C11, C51, C52, C53	BP10u-16V	6	Capacitor Electro, Bipolar	
C4, C5, C46, C47	47u-63V	4	Capacitor Electro, 105°	
C8, C50	BP100u-16V	2	Capacitor Electro, Bipolar	
C25, C26, C65, C66	330u-25V	4	Capacitor Electro, 105°	
D1, D2, D3, D4, D5, D6	1N4004	6	Rectifier diode	1N4004
BR1, BR2		2	Diode bridge 1A	
U1, U2, U9, U10	OPA134	4	Low noise Op-Amp	
U4, U5, U6, U7, U8, U12, U13, U14, U15, U16	OPA2134	10	Dual low noise Op-Amp	
U3, U11	THAT1646	2	Balanced line driver	
SW2, SW3	QPDT	2	Push switch, 4 poles, white cap	
SW1	QPDT	1	Push switch, 4 poles, red cap	
J1a, J2a, J3a, J4a, J5a		5	Header 2x5 pins, length 35mm	
J6b, J7b		2	Header 2x5 pins, length 25mm	
J1b, J2b, J3b, J4b, J5b, J6a, J7a		7	Socket 2x5 pins	
0VL, 0VR, TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP12, TP13, TP14, V+L, V+R, V-L, V-R		20	Test pin	
P1, P2, P3, P4, P5	2x50k Lin	5	Potentiometer 9mm Dual Linear, center tap	B503
P6, P8, P10, P12, P14	2x5k Lin	5	Potentiometer 9mm Dual Linear	B503
P7, P9, P11, P13, P15	4x100k RLog	5	Potentiometer 9mm Quad Reverse Log	C100K
TR1, TR2, TR3, TR4	100k	4	Trimmer potentiometer 20 turns	104
RLY1, RLY2		2	Relay submin DPDT 24V	
		1	PCB (3 parts splittable)	
Knob		5	12.7x6mm knob, Red	
Knob		10	12.7x6mm knob, Black	
Knob		5	12.7x6mm knob, Blue	
Knob		5	12.7x6mm knob, Green	
		1	Front pannel	
PCB assembly	M3x6	8	Screw pan head	
Module fixing	M3x8	4	Black screw countersunk	
PCB assembly	M3x35	4	Spacer fem/fem	

PCB assembly	M3x25	2	Spacer male/fem	
PCB assembly	M3	12	Washer	
Black reference --> PCBA				
Blue reference --> PCBB				
Green reference --> PCBC				
(1) Data can be changed without notice				
Schematic Rev 1.4				
PCB Rev 1.4				
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