

Kit it II

Date:	2021 February 17, Wednesday 18:17:02					
Component Count:	162					
Ref	Qty	Value	Cmp name	Footprint	Description	Vendor
C1,	1	10nF	C_Small	Capacitor_THT:C_Disc_D5.0mm_W2.5mm_P5.00mm	Unpolarized capacitor, small symbol	
C2, C3,	2	3.3nF	C_Small	Capacitor_THT:C_Disc_D5.0mm_W2.5mm_P5.00mm	Unpolarized capacitor, small symbol	
C4, C7, C8, C11, C12, C13, C14, C19, C20, C21, C22, C23, C24,	13	100nF	C_Small	Capacitor_THT:C_Disc_D5.0mm_W2.5mm_P5.00mm	Unpolarized capacitor, small symbol	
C5,	1	1uF	CP1_Small	Capacitor_THT:CP_Radial_D6.3mm_P2.50mm	Polarized capacitor, small US symbol	
C6, C17, C18,	3	10uF	CP1_Small	Capacitor_THT:CP_Radial_D6.3mm_P2.50mm	Polarized capacitor, small US symbol	
D1, D2,	2	1N4148	D_Small	Diode_THT:D_DO-35_SOD27_P7.62mm_Horizontal	Diode, small symbol	
D3,	1	LED	LED	LED_THT:LED_D3.0mm	Light emitting diode	
J1,	1	Power	Conn_02x05_Odd_Even	Connector_IDC:IDC-Header_2x05_P2.54mm_Vertical	Generic connector, double row, 02x05, odd/even pin numbering scheme (row 1 odd nu	
J2, J4, J6,	3	Conn_01x09_Female	Conn_01x09_Female	Connector_PinSocket_2.54mm:PinSocket_1x09_P2.54mm_Vertical	Generic connector, single row, 01x09, script generated (kicad-library-utils/schlib/autoge	
J3, J5, J7,	3	Conn_01x09_Male	Conn_01x09_Male	Connector_PinSocket_2.54mm:PinSocket_1x09_P2.54mm_Vertical	Generic connector, single row, 01x09, script generated (kicad-library-utils/schlib/autoge	
J8,	1	Conn_01x04_Male	Conn_01x04_Male	Connector_PinHeader_2.54mm:PinHeader_1x04_P2.54mm_Vertical	Generic connector, single row, 01x04, script generated (kicad-library-utils/schlib/autoge	
J9,	1	Conn_01x04_Female	Conn_01x04_Female	Connector_PinHeader_2.54mm:PinHeader_1x04_P2.54mm_Vertical	Generic connector, single row, 01x04, script generated (kicad-library-utils/schlib/autoge	
M1, M2, M3, M4, M5, M6,	6	Jack plugs	thonkiconn-WQP-PJ301M	thonkiconn-WQP-PJ301M-12_JACK		
RV1, RV2, RV3, RV4, RV5, RV6, RV7, RV9, RV13, OSC_A_Shape1, OSC_B_Shape1,	11	B100k	R_POT	Potentiometer_THT:Potentiometer_Alpha_RD901F-40-00D_Single_Vertical	Potentiometer	
RV11, RV12,	2	A100k	R_POT	Potentiometer_THT:Potentiometer_Alpha_RD901F-40-00D_Single_Vertical	Potentiometer	
Q1, Q2, Q5, Q6, Q7, Q8, Q9, Q10, Q12, Q13, Q14, Q16, Q17, Q18,	14	2N3904	2N3904	Package_TO_SOT_THT:TO-92_Inline_Wide	0.2A Ic, 40V Vce, Small Signal NPN Transistor, TO-92	
Q3, Q4,	2	2N3906	2N3906	Package_TO_SOT_THT:TO-92_Inline_Wide	-0.2A Ic, -40V Vce, Small Signal PNP Transistor, TO-92	
Q11,	1	J112	Q_NJFET_DSG	Package_TO_SOT_THT:TO-92_Inline_Wide	N-JFET transistor, drain/source/gate	
R30, R32, R56, R83,	4	220R	R	Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P2.54mm_Vertical	Resistor	
R42, R61,	2	470R	R	Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P2.54mm_Vertical	Resistor	
R68, R86,	2	620R	R	Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P2.54mm_Vertical	Resistor	
R2, R45, R59, R69, R74, R80, R22, R23, R81,	8	1k	R	Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P2.54mm_Vertical	Resistor	
R14, R48, R49, R55, R65, R72, R79, R84, R85, R25, R26, R33, R39, R54, R60,	15	10k	R	Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P2.54mm_Vertical	Resistor	
R40, R41, R70, R73, R75, R76,	6	15K	R	Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P2.54mm_Vertical	Resistor	
R44, R47, R64, R66, R50, R51, R71,	7	33K	R	Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P2.54mm_Vertical	Resistor	
R15, R16,	2	47k	R	Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P2.54mm_Vertical	Resistor	
R35, R36, R57, R82,	4	68K	R	Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P2.54mm_Vertical	Resistor	
R1, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R17, R18, R19, R20, R21, R24, R27, R29, R31, R34, R38, R43, R46, R53, R62, R63,	28	100k	R	Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P2.54mm_Vertical	Resistor	
R77, R78,	2	150k	R	Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P2.54mm_Vertical	Resistor	
R52,	1	200k	R	Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P2.54mm_Vertical	Resistor	
R67,	1	330k	R	Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P2.54mm_Vertical	Resistor	
R28,	1	470k	R	Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P2.54mm_Vertical	Resistor	
R37,	1	680k	R	Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P2.54mm_Vertical	Resistor	
R58,	1	1M	R	Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P2.54mm_Vertical	Resistor	
RV8, RV10,	2	100k	R_POT_TRIM	Potentiometer_THT:Potentiometer_Bourns_3296Y_Vertical	Trim-potentiometer	
U1,	1	LM13700	LM13700	Package_DIP:DIP-16_W7.62mm_LongPads	Dual Operational Transconductance Amplifiers with Linearizing Diodes and Buffers, DIP	
U2, U3, U4, U6, U8,	5	TL074	TL074	Package_DIP:DIP-14_W7.62mm_LongPads	Quad Low-Noise JFET-Input Operational Amplifiers, DIP-14/SOIC-14	