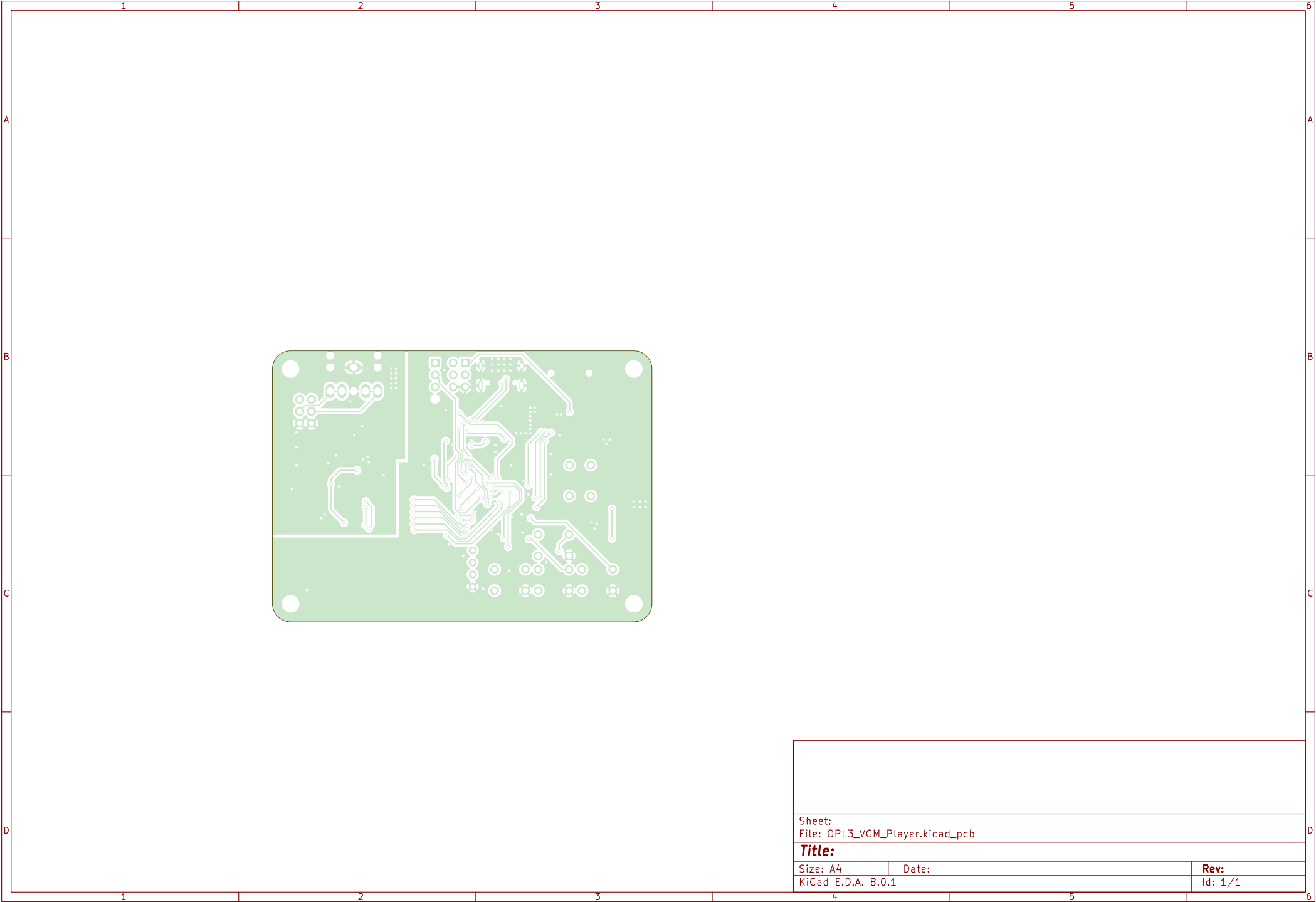


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File: OPL3_VGM_Player.kicad_pcb		
Title:		
Size: A4	Date:	Rev:
KiCad E.D.A. 8.0.1		Id: 1/1



Bill Of Materials

References	Value	Footprint	Qty
C1 C2 C21	10uF	Capacitors_SMD:C_1206	3
C3 C5 C9 C10 C11 C12 C14 C15 C20	100nF	Capacitors_SMD:C_0805	9
C4	10nF	Capacitors_SMD:C_0805	1
C6 C13 C19 C22 C23	10uF	Capacitor_SMD:C_1206_3216Metric	5
C7 C8	22pF	Capacitors_SMD:C_0603	2
C16	68pF	Capacitors_SMD:C_0603	1
C17 C18	2.7nF	Capacitors_SMD:C_0603	2
DS1	128x32_I2C_OLED	oled_display:128x32_OLED_I2C_Module	1
H1 H2 H3 H4	M3	Mounting_Holes:MountingHole_3.2mm_M3	4
J1	PJ-307	my:PJ-307	1
J2	Conn_02x03_Odd_Even	Pin_Headers:Pin_Header_Straight_2x03_Pitch2.54mm	1
J3	Micro_SD_Card	my:GCT-MEM2055-00-190-01-A	1
J4	Conn_01x04	Pin_Headers:Pin_Header_Straight_1x04_Pitch2.54mm	1
J6	USB_C_Receptacle_USB2.0_16P	Connector_USB:USB_C_Receptacle_HRO_TYPE-C-31-M-12	1
L1	BLM18PG221SN1D	Inductor_SMD:L_0603_1608Metric_Pad1.05x0.95mm_HandSolder	1
L2	33uH	custom_inductors:L_4x4	1
L3	10uH	custom_inductors:L_4x4	1
R1 R2	100K	Resistors_SMD:R_0805	2
R3	1K	Resistors_SMD:R_0805	1
R4 R5	10K	Resistors_SMD:R_0805	2
R6	33	Resistors_SMD:R_0805	1
R7	4.7	Resistors_SMD:R_0805	1
R8 R9	4.7K	Resistors_SMD:R_0805	2
R10 R11	5.1k	Resistor_SMD:R_0603_1608Metric_Pad0.98x0.95mm_HandSolder	2
RV1	R_POT_Dual	Potentiometers:Potentiometer_Alps_RK097_Double_Vertical	1
SW1 SW2 SW3 SW4 SW5	SW_Push_Dual	Buttons_Switches_THT:SW_TH_Tactile_Omr on_B3F-10xx	5
U1	LD1117S33TR_SOT223	TO_SOT_Packages_SMD:SOT-223-3_TabPin2	1
U2	STM32F103C8Tx	Housings_QFP:LQFP-48_7x7mm_Pitch0.5mm	1
U3	CH340E	Housings_SSOP:MSOP-10_3x3mm_Pitch0.5mm	1
U4	YMF262-M	Housings_SOIC:SOIC-24W_7.5x15.4mm_Pitch1.27mm	1
U5	YAC512-M	Housings_SOIC:SOIC-16W_5.3x10.2mm_Pitch1.27mm	1

U6	TL074	Housings_SOIC:SOIC-14_3.9x8.7mm_Pitch1 .27mm	1
Y1	8MHz	Crystal:Crystal_SMD_SeikoEpson_TSX3225- 4Pin_3.2x2.5mm_HandSoldering	1