

MCVI BOM

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Component Count: 62

Refs	Qty	Component	Description	Vendor	SKU
A1	1	Arduino_Nano_v3.x	Arduino Nano v3.x		
C1, C4, C5, C6, C7, C8, C9	7	0.1uF	Ceramic capacitor		
C2, C3	2	10uF	Electrolytic capacitor		
C10, C11, C12, C13	4	33pF	Ceramic capacitor		
D1	1	1N4148	100V 0.15A standard switching diode, DO-35		
D2, D3	2	1N5817	Schottky diode		
D4	1	Red LED	Light emitting diode		
D5, D6, D7, D8	4	Green LED	Light emitting diode		
DAC1, DAC2	2	MCP4822	2-Channel 12-Bit D/A Converters with SPI Interface and Internal Reference (2.048V)		
IC1, IC2	2	TL074	Quad Low-Noise JFET-Input Operational Amplifiers, DIP-14		
J1	1	Synth_power_2x5	2x5 shrouded 2.54mm pin header		
J2	1	10 pin header	Pin header, 2.54 mm spacing		
J3	1	3 pin Molex header	3 pin Molex header 2.54 mm spacing	Tayda	A-805
J4	1	2 pin Molex header	2 pin Molex header 2.54 mm spacing	Tayda	A-804
J5	1	DIN-5 MIDI jack	5-pin DIN connector (5-pin DIN-5 stereo)		
J6	1	3 pin Molex connector	3 pin Molex connector 2.54 mm spacing	Tayda	A-827
J7	1	2 pin Molex connector	2 pin Molex connector 2.54 mm spacing	Tayda	A-826
J8	1	10 pin socket	Pin socket, 2.54 mm spacing		
J9, J10, J11, J12, J13, J14, J15, J16	8	AudioJack2	Audio Jack, 2 Poles (Mono / TS)		
R1	1	220R	Resistor		
R2	1	3.9k	Resistor		
R3	1	10k	Resistor		
R4	1	3k	Resistor		
R5, R7, R8, R9, R11, R13, R15, R17	8	1k	Resistor		
R6	1	4.7k	Resistor		
R10	1	2k	Resistor		
R12, R14, R16, R18	4	470R	Resistor		
SW1	1	SW_SPDT	Switch, single pole double throw		
U1	1	6N137	Optocoupler, DIP-8		
	3		8 pin DIP socket		
	2		14 pin DIP socket		
	2		15 pin header		
	8		M3 6 mm screws		
	8		M3 washers		
	4		M3 10 mm spacers		

Yes, there's IC1 and IC2 and DAC1 and DAC2 and U1. Sorry.