

**ALM SID GUTS DIY BOM v1.3**

The only changes to v1.2 are the addition of part sources in **red text**.

RESISTORS -	#	PART NO	NOTES or product code
100k	15		1% - 0.25W
10k	11		1% - 0.25W
1k	2		1% - 0.25W
220k	1		1% - 0.25W
2.2k	2		1% - 0.25W
330R	9		1% - 0.25W
47K	2		1% - 0.25W
DIODES	#	PART NO	NOTES
1N4148	2	1N4148	Mouser - 583-1N4148-T
BAT85S	2	BAT85S	Mouser - 78-BAT85S-TAP
Schottky Diode	2	1N5817	Farnell - 9801197
CAPACITORS	#	PART NO	NOTES
1n Ceramic	1		Mouser - 140-50P2-102K-RC
100n Ceramic	9		Mouser - 594-K104K15X7RF5TL2
1uf Electrolytic	2		Mouser - 667-ECE-A1HKS010
10uf Electrolytic	3		Mouser - 667-ECE-A1VKA100B
470pf Film Cap	2	for 6581 SID	Rapid - 10-1420
22nf Film Cap	2	for 8580 SID	<b>Mouser - 505-MKP20.022/100/5</b>
MISC COMPONENTS	#	PART NO	NOTES
Ferrites	2		Farnell - 2292304
Resonator ZTT	1	C16M000000L003	Farnell - 1448129
IC SOCKETS	#	PART NO	NOTES
16 pin DIL - 0.3"	2		
8 pin DIL - 0.3"	3		
28 pin DIL - 0.3"	1		
28 pin DIL - 0.6"	2		
PANEL COMPONENTS	#	PART NO	NOTES
Pots	5	RK09L1140A66	Mouser - 688-RK09L1140A66
Switches	3	3FTL6S	Rapid - 78-0655
Switch Caps	3	1D00	Farnell - 1132912
Jacks	9	"1502 03" OR MJ-355	Farnell - 1270966 OR 1267382
red LED	6		Rapid - 56-2126
green LED	1		Rapid - 56-0305
yellow LED	1		Rapid - 56-0310
orange LED	1		Rapid - 56-0315
PCB HEADERS ETC.	#	PART NO	NOTES
Male pin header 5x2	1		Power
Male pin header 3x2	1		PGM
Female pin socket 12x1	2		PCB Interconnect
Male pin header 12x1	2		PCB Interconnect
Male pin header 3x1	2		SID power select
Shunt	1		SID power select

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<b>FIXINGS</b>	<b>#</b>	<b>PART NO</b>	<b>NOTES</b>
M3 Screws	6		
Hex M3 standoff	1		12mm
M3 Nylon Washers	4		
<b>ICs</b>	<b>#</b>	<b>PART NO</b>	<b>NOTES</b>
TL072	3		Mouser - 595-TL072IP
DG406	1		Mouser - 968-DG406DJZ
7805	1	863-MC7805CTG	Mouser - 863-MC7805CTG
7809	1	863-MC7809CTG	<b>Mouser - 863-MC7809CTG</b>
Heatsinks	2	FK 237 SA 220 H	Rapid - 36-0290
74LS174N	1		Farnell - 1652029
74HC595N	1		Mouser - 595-SN74HC595N
ATMEGA328P-PU	1		Mouser - 556-ATMEGA328P-PU
<b>Ribbon Cables</b>	<b>#</b>	<b>PART NO</b>	<b>NOTES</b>
Eurorack Power	1		10-16 pin power cable