MIDIMUSO 1007 MIDI TO CV KOSMO BOM

1	Designator	Package	Quantity Designation	Supplier and ref
Montange	U2	TO-92_Inline_Wide	1 TL431	rapidonline.com/texas-instruments-tl431clp-precision-regulator-82-0298
	J25,J27,J29	8 Pin Headers Male for connecting boards	3 MAIN A,MAIN B, MAIN C	https://www.ebay.co.uk/itm/Female-Male-Header-Pins-Strip-0-1-2-54mm-for-Breadboard-PCB-DuPont-arduino-pi/36294
Description Common Capation Common Capati	J1	Multicomp_MC9A12-1034_2x05_P2.54mm_Vertical	1 Eurorack STYLE POWER	https://www.rapidonline.com/truconnect-10-way-idc-straight-boxed-header-2-54mm-pitch-19-0033
Section	C2,C1,C3	CP_Radial_D6.3mm_P2.50mm	3 10uf	
December	C5,C14,C15,C16,C17,C24,C25,C28	Ceramic Capacitor	8 100nf	https://www.rapidonline.com/suntan-ts170r1h104msbfa0r-0-1uf-20-50v-y5v-p-2-54mm-radial-ceramic-capacitor-11-345
### Control		· · · · · · · · · · · · · · · · · · ·		
1		·	·	https://www.rapidonline.com/suntan-ts15001h103zsbva0r-10nf-20-80-50v-2-5mm-z5v-ceramic-disc-capacitor-08-0232
1 No. 1949	C4	TANTALUM CAPACITOR 1uf	1 1uf TANTALUM	https://www.rapidonline.com/suntan-ts19001v010msb0b0r-1uf-35v-5-08mm-tantalum-bead-capacitor-11-0688
## 1	D1	Signal Diode	1 1N4148	https://www.rapidonline.com/dc-components-1n4148-pack-of-5000-signal-diode-75v-47-3415
## 1	J2.J4,J5	Molex 3 pin male	3 MIDI THRU, IN	https://www.rapidonline.com/ivk-p2500-03-3-pole-straight-header-22-0955
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RB-RB-RB-RB-RB-RB-RB-RB-RB-RB-RB-RB-RB-R				
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UR 0. Up Coupler (red 8 pin is sucket) 1				
Un 10				
14 Pin IC (and 14 pin is socket)		, , , , , , , , , , , , , , , , , , , ,		
Post Proceedings Process Pr		, , , , , , , , , , , , , , , , , , , ,		
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Fig. 20		, – –		
NOS Standoffs would be good to hold in like linked 1 florm (froit like pictured in the link but they are the right ones 4 has betts and must 1 have been packs of 100, but you'll end up using them—I have been packs of 100, but you'll end up using them packs of 100 and 100 a				
NS Standoffs would be good to hold in like linked. 10mm (not like pictured in the link but they are the right on so 14 has both and nuts. 10mm (not like pictured in the link but they are the right on so 14 has both and nuts. 10mm (not like pictured in the link but they are the right on so 100, but you'll end up using they. 10mm (not like pictured in the link but they are the right on so 100, but you'll end up using they. 10mm (not like pictured in the link but they are the right on so 100, but you'll end up using they. 10mm (not like pictured in the link but they are the right on so 100, but you'll end up using they. 10mm (not like pictured in the link but they are the right on so 100, but you'll end up using they. 10mm (not like pictured in the link but they are the right on so 100, but you'll end up using they. 10mm (not like pictured in the link but they are the right on so 100, but you'll end up using they. 10mm (not like pictured in the link but they are they are to so 100, but you'll end up using they. 10mm (not like pictured in the link but but you'll end up using they are the above is only for the back board. Below: 5 for the control board. 30.0128.0128.0128.0128.0128.0128.0128.012				
trips://www.rapidonline.com/affix-stainless-steel-nuts-m3-pack-of-100-33-4305 https://www.rapidonline.com/affix-pozi-pan-head-machine-screws-bzp-m3-6mm-pack-of-100-33-4305 https://www.rapidonline.com/affix-pozi-pan-head-machine-screws-bzp-m3-6mm-pack-of-100-33-2300 https://www.rapidonline.com/affix-pozi-pan-head-machine-screws-bzp-m3-6mm-pack-of-100-33-2300 JACHTER A.B.C				
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Please note the above is only for the back board. Bedy for connecting boards 10,00,28,126 8 Pi Headers Female for connecting boards 3 20,00,28,126 11,00,28,126 12,00,28,127 13,00,311,11,12,113,114,115 up to 310 13,00,311,11,12,113,114,115 up to 310 13,00,311,11,112,113,114,115 up to 310 13,00,311,111,112,113,114,115 up to 310 13,00,311,111,112,113,114,115 up to 310 13,00,311,111,112,113,114,115 up to 310 13,00,311,111,112,113,114,115 up to 310 13,00,311,1112,113,114,115 up to 310,311,1112,113,114,115 up to 310,311,1112,113,114,115 up to 310,311,1112,113,114,115 up to 310,311,112,113,114,115 up to 310,311,112,113,114,115 up to 310,311,112,113,114,115 up to 310,311,112,114,114,114,114,114,114,114,114,1				
30,128,126 8 Pin Headers Female for connecting boards 3 DAUGHTER A.B.C https://www.rapidonline.com/trusemi-2n3904-transistor-npn-to-92-60y-81-0484 17,18,19,110,111,112,113,114,115 up to J30 BIG JACK SOCKETS 18 https://www.rapidonline.com/trusemi-2n3904-transistor-npn-to-92-60y-81-0484 17,18,19,110,111,112,113,114,115 up to J30 BIG JACK SOCKETS 18 https://www.rapidonline.com/trusemi-2n3904-transistor-npn-to-92-60y-81-0484 17,18,19,110,111,112,113,114,115 up to J30 BIG JACK SOCKETS 18 https://www.rapidonline.com/trusemie-2n3904-transistor-npn-to-92-60y-81-0484 17,18,19,110,111,112,113,114,115 up to J30 BIG JACK SOCKETS 18 https://www.rapidonline.com/trusemie-2n3904-transistor-npn-to-92-60y-81-0484 17,18,19,110,111,112,113,114,115 up to J30 BIG JACK SOCKETS 18 BIG JACK SOCKETS 18 https://www.rapidonline.com/trusemie-2n3904-transistor-npn-to-92-60y-81-0484 17,18,19,110,111,112,113,114,115 up to J30 BIG JACK SOCKETS 18 BIG JACK SOCKETS 18 https://www.rapidonline.com/trusemie-13-3904-transistor-npn-to-92-60y-81-0484 18 https://www.rapidonline.com/trusemie-13-3904-transistor-npn-to-92-60y-81-04-04-04-04-04-04-04-04-04-04-04-04-04-				nttps://www.rapidonline.com/amx-pozi-pan-nead-machine-screws-bzp-m3-omm-pack-or-100-33-2300
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D_D3,D4,D7,D8,D11,D12	Q1			https://www.rapidonline.com/trusemi-2n3904-transistor-npn-to92-60v-81-0484
R25,R28,R29,R35,R40,R41,R52 Metal Film Resistor 1/4Watt 7 1k https://www.ebay.co.uk/itm/1-4W-Metal-Film-Resistors-1-Values-1ohm-to-10Mohm-12-25-50-100/3214110969937_trkp. R30,R31,R36,R37,R42,R43,R32,R33,R34,R38,R39,R45,R46,R47,R48,R49,R50,R51 Metal Film Resistor 1/4Watt 18 1007 U11 101 102 103 104 105 105 107 1074 1077 1077 1077 1077 1078	J7,J8,J9,J10,J11,J12,J13,J14,J15 up to J30	BIG JACK SOCKETS	18	https://www.rapidonline.com/truconnect-3-pole-box-style-jack-socket-20-1397
R30,R31,R36,R37,R42,R43,R32,R33,R34,R38,R39,R45,R47,R46,R49,R50,R51 Metal Film Resistor 1/4Watt 1s 100r U11	D2,D3,D4,D7,D8,D11,D12	5mm LED's	7	https://www.rapidonline.com/kingbright-l-7113src-dv-5mm-super-bright-red-led-1600mcd-55-0131
U11 1 1.074 Quad Opamp (and 14 pin ic socket) 1 1.074 1.075	R25,R28,R29,R35,R40,R41,R52	Metal Film Resistor 1/4Watt	7 1k	https://www.ebay.co.uk/itm/1-4W-Metal-Film-Resistors-1-Values-1ohm-to-10Mohm-12-25-50-100/321411096993? trkpa
1 TL072 https://www.rapidonline.com/Catalogue/Search?Query=tL072 C27,C29 100nf Ceramic Capacitor 2 100nf Ceramic Capacitor 2 100nf https://www.rapidonline.com/suntan-ts170r1h104msbfa0r-0-1uf-20-50v-y5v-p-2-54mm-radial-ceramic-capacitor-11-345 https://www.rapidonline.com/suntan-ts170r1h104msbfa0r-0-1uf-20-50v-y5v-p-2-54mm-radial-ceramic-capacitor-11-345 https://www.rapidonline.com/suntan-ts170r1h104msbfa0r-0-1uf-20-50v-y5v-p-2-54mm-radial-ceramic-capacitor-11-345 https://www.rapidonline.com/fruconnect-5-pin-180-din-chassis-socket-20-0255 Use the M3 bolts you bought above to screw in the midi sockets:) You'll need some wire to connect the midi sockets to the molex connectors Molex 3 pin female to attach too above J2,J4,J5, Check orientation on images. https://www.rapidonline.com/jyk-h2500-03-3-pole-crimp-housing-22-0910 You probably have the metal bits that go in the molex connectors from previous builds but below is the link anyway India	R30,R31,R36,R37,R42,R43,R32,R33,R34,R38,R39,R4	I5,R46,R47,R48,R49,R50,R51 Metal Film Resistor 1/4Watt	18 100r	
C27,C29 100nf Ceramic Capacitor 2 100nf https://www.rapidonline.com/suntan-ts170r1h104msbfa0r-0-1uf-20-50v-y5v-p-2-54mm-radial-ceramic-capacitor-11-345 https://www.rapidonline.com/truconnect-5-pin-180-din-chassis-socket-20-0255	U11	TL074 Quad Opamp (and 14 pin ic socket)	1 TL074	https://www.rapidonline.com/Catalogue/Search?Query=tl074&Size=20
MIDI SOCKETS Use the M3 bolts you bought above to screw in the midi sockets:) You'll need some wire to connect the midi sockets to the molex connectors Molex 3 pin female to attach too above J2,J4,J5, Check orientation on images. https://www.rapidonline.com/jyk-h2500-03-3-pole-crimp-housing-22-0910 You probably have the metal bits that go in the molex connectors from previous builds but below is the link anyway	U12	TL072 Dual Opamp (and 8 pin ic socket)	1 TL072	https://www.rapidonline.com/Catalogue/Search?Query=tL072
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You'll need some wire to connect the midi sockets to the molex connectors Molex 3 pin female to attach too above J2,J4,J5, Check orientation on images. https://www.rapidonline.com/jyk-h2500-03-3-pole-crimp-housing-22-0910 You probably have the metal bits that go in the molex connectors from previous builds but below is the link anyway	MIDI SOCKETS		3	https://www.rapidonline.com/truconnect-5-pin-180-din-chassis-socket-20-0255
Molex 3 pin female to attach too above J2,J4,J5, Check orientation on images. https://www.rapidonline.com/jyk-h2500-03-3-pole-crimp-housing-22-0910 You probably have the metal bits that go in the molex connectors from previous builds but below is the link anyway	Use the M3 bolts you bought above to screw in the midi sockets :)			
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https://www.rapidonline.com/jyk-t2500-02-reel-1000-0-1-crimp-terminals-22-1098	You probably have the metal bits that go in the molex connectors from previous builds but below is the link anyway			
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